

Supplementary Table 4. DMLs identified between the two OA hip clusters.**Hypermethylated in OA hip cluster 2**

Probe	Gene	CHR	adj.P-val	Mean β -value OA hip cluster 1	Mean β -value OAHip cluster 2
cg03630821	A1BG	19	0.00250493	0.164641216	0.312356088
cg06705265	A2BP1;A2BP1	16	0.03257623	0.402753815	0.504963366
cg04006565	A2BP1;A2BP1	16	0.0170157	0.479005173	0.647337179
cg00480381	A2BP1;A2BP1	16	0.04103591	0.555626159	0.662725325
cg25710107	A2LD1	13	0.00066484	0.371051383	0.586512344
cg13776095	A2LD1;A2LD1	13	0.00165428	0.549427037	0.69103509
cg07439546	ABAT;ABAT;A	16	0.00187865	0.309710137	0.464489856
cg14151317	ABCA2;ABCA	9	0.00061181	0.350937892	0.629123051
cg06400857	ABCA2;ABCA	9	7.79E-05	0.239323452	0.364374007
cg01807748	ABCA4	1	0.02889682	0.094212947	0.239150668
cg07372195	ABCA5;ABCA	17	0.00030589	0.632779242	0.82319452
cg21660392	ABCA8	17	0.00878444	0.391360066	0.558473815
cg09330923	ABCB8	7	0.00391195	0.601901284	0.738543727
cg18473642	ABCB9;ABCB	12	0.00040104	0.375679011	0.523069204
cg06503456	ABCC1;ABCC	16	0.00185575	0.189057581	0.436965422
cg00050375	ABCC10	6	0.00416923	0.335492212	0.499176604
cg19211382	ABCC13;ABC	21	0.00182198	0.682838607	0.821210741
cg00241432	ABCC4;ABCC	13	0.00317774	0.458338969	0.678836895
cg09711028	ABCC9;ABCC	12	0.01506222	0.497396421	0.647062609
cg04210566	ABHD14A	3	0.00761185	0.298630733	0.401617202
cg16569813	ABHD6	3	0.03061367	0.475301549	0.593974123
cg10311020	ABI1;ABI1;AE	10	0.00461618	0.442553056	0.626758178
cg03419646	ABI3;ABI3	17	0.02084885	0.463946526	0.575121214
cg27402766	ABI3BP	3	0.00279081	0.810793598	0.924214809
cg02493205	ABI3BP	3	0.04949919	0.580554058	0.685974325
cg14142977	ABL1;ABL1	9	0.00314141	0.628172231	0.74387651
cg14102055	ABL1;ABL1	9	0.01525618	0.591874343	0.692088401
cg05733497	ABLIM2;ABLI	4	0.0001685	0.622329873	0.735497741
cg14458783	ABR;ABR	17	0.00014332	0.277073903	0.481898644
cg04318619	ABR;ABR	17	0.00543371	0.196732585	0.391792113
cg08458121	ABR;ABR	17	0.00037711	0.280949597	0.458242402
cg22559878	ABR;ABR	17	0.00239252	0.184939731	0.316282972
cg23401459	ABR;ABR	17	0.00054498	0.739561003	0.867537317
cg10370025	ABR;ABR;ABF	17	0.00104964	0.191376601	0.406135169
cg10996148	ABR;ABR;ABF	17	0.00110281	0.252525637	0.435831639
cg17298275	ABR;ABR;ABF	17	0.0006443	0.227663674	0.374440816
cg05633070	ABR;ABR;ABF	17	0.00476815	0.500050092	0.637319642
cg24210280	ABR;ABR;ABF	17	0.02498494	0.444061726	0.581269547
cg19029445	ABR;ABR;ABF	17	0.02097334	0.331313071	0.46768659
cg23180978	ABR;ABR;ABF	17	0.00103662	0.31141275	0.43258369

cg10803453	ABR;ABR;ABF	17	0.00290103	0.504244307	0.621335517
cg07493499	ABR;ABR;ABF	17	0.00539134	0.212783439	0.326386487
cg24439623	ABR;ABR;ABF	17	0.01388229	0.239942307	0.345147577
cg26809043	ABTB2	11	0.0038042	0.160842479	0.29151944
cg08663298	ABTB2	11	0.00876901	0.569266866	0.694875019
cg01369908	ABTB2	11	0.01204487	0.52188456	0.632541164
cg02434541	ABTB2	11	0.00596842	0.181350698	0.290197258
cg10548708	ACAA1;ACAA	3	0.00138984	0.677775677	0.796105406
cg01760189	ACACA;ACAC	17	0.00055305	0.422327156	0.656723973
cg16822666	ACACA;ACAC	17	0.00838334	0.216817179	0.392377832
cg10458080	ACAD10;ACA	12	0.04606654	0.339322089	0.488247096
cg21636577	ACADVL;DLG	17	0.00146948	0.311352006	0.414147858
cg08931456	ACAP2	3	0.00029151	0.477382139	0.646338372
cg19414302	ACAP3	1	0.00223446	0.445083416	0.610889451
cg03003335	ACAP3	1	0.00283395	0.339636502	0.496075801
cg22675767	ACAP3	1	0.00082671	0.281792873	0.402951532
cg25203980	ACAP3	1	0.00024151	0.535218665	0.653691753
cg17475583	ACBD6	1	0.01156514	0.145996465	0.366513713
cg09143318	ACCN1	17	0.01343132	0.288324091	0.43261249
cg26142972	ACCN4;ACCN	2	0.00288105	0.192501199	0.328523173
cg03476105	ACN9	7	0.02195899	0.649203543	0.75355776
cg08172947	ACO2	22	0.00854525	0.489654681	0.619897449
cg18180407	ACOT11;ACO	1	0.00060628	0.248403516	0.446125729
cg02328793	ACOT7;ACOT	1	0.00826412	0.48472418	0.59095226
cg26570804	ACOT7;ACOT	1	0.00423319	0.224161622	0.477782972
cg11654006	ACOT7;ACOT	1	0.00033508	0.241004058	0.459428959
cg11723698	ACOT7;ACOT	1	0.01817928	0.757920231	0.916295454
cg06834177	ACOT7;ACOT	1	0.01652881	0.351614965	0.483314544
cg26869512	ACOX3;ACOX	4	0.00042068	0.472987533	0.720459932
cg09133485	ACOX3;ACOX	4	0.0028278	0.357061475	0.530446365
cg24597207	ACOX3;ACOX	4	0.00018166	0.602107214	0.769547192
cg08529267	ACOX3;ACOX	4	0.00461781	0.444319606	0.60956493
cg17949316	ACOX3;ACOX	4	0.00068943	0.51568075	0.667680562
cg08206079	ACOX3;ACOX	4	0.00303663	0.476108942	0.620384391
cg18038894	ACSF2	17	0.00021343	0.339116683	0.477970004
cg22002216	ACSF2	17	0.00920225	0.446782501	0.557138916
cg12649208	ACSF2	17	0.0023201	0.135466674	0.238122239
cg14906909	ACSS3	12	0.02400332	0.344800749	0.490894429
cg24691835	ACTG2	2	0.00358506	0.452169894	0.559665405
cg08292104	ACTN1;ACTN	14	0.04435728	0.305097615	0.437524171
cg01234517	ACTR3C;LRR	7	0.00329933	0.381950564	0.506558464
cg24474409	ACTR3C;LRR	7	0.01038947	0.371185095	0.489737548
cg00653455	ACTR8	3	0.01278775	0.420301671	0.634079898
cg26808747	ADAM12;AD	10	0.00101966	0.113903118	0.220644483
cg09648467	ADAM19	5	0.01113436	0.097300219	0.204524774
cg03780701	ADAM32	8	0.00990569	0.16973473	0.2814019

cg05945984	ADAM9;ADA	8	0.00420014	0.726065279	0.862571845
cg12845177	ADAMTS10	19	0.01734749	0.557798494	0.73075421
cg26523264	ADAMTS10	19	0.00178639	0.588922941	0.730867475
cg19662846	ADAMTS10	19	0.00203269	0.264227961	0.38650826
cg11990296	ADAMTS10	19	0.00067347	0.549654502	0.661787855
cg06982745	ADAMTS14;A	10	0.01591399	0.442362271	0.586577155
cg16398051	ADAMTS17	15	0.03154219	0.609799225	0.826725764
cg24368226	ADAMTS17	15	0.02014055	0.222202013	0.343087579
cg17212277	ADAMTS2;AI	5	0.00333804	0.510230732	0.646348946
cg27000228	ADAMTS2;AI	5	0.0009872	0.380894877	0.512527339
cg17745098	ADAMTS2;AI	5	0.00076565	0.249238432	0.363866818
cg21901223	ADAMTS2;AI	5	0.00575134	0.316449622	0.428210192
cg10077410	ADAMTS7	15	0.00207283	0.422267581	0.54938843
cg13468759	ADAMTSL1;A	9	0.00037618	0.382985308	0.628178484
cg18127823	ADAP1	7	0.0015281	0.315317863	0.451126162
cg15483084	ADAP1	7	0.01043662	0.260401803	0.363914253
cg00048381	ADAR	1	0.02278897	0.542447027	0.676411417
cg24304309	ADAR;ADAR;	1	0.00051121	0.35905453	0.463130102
cg00927699	ADARB1;C21	21	0.00423728	0.391007478	0.534657805
cg08944086	ADARB2	10	0.00799467	0.206137899	0.338786503
cg26361041	ADARB2	10	0.03449503	0.325690567	0.455399375
cg16990474	ADARB2	10	0.03019484	0.381855748	0.510354633
cg09265586	ADARB2	10	0.00951	0.207806686	0.315401841
cg01397065	ADAT3;SCAM	19	0.00273745	0.308971266	0.519573665
cg19254118	ADAT3;SCAM	19	0.00082946	0.532927309	0.720773351
cg01294521	ADAT3;SCAM	19	0.00108372	0.374868242	0.55555984
cg20243900	ADAT3;SCAM	19	0.02284661	0.508606074	0.655070206
cg06887224	ADCY2	5	0.00702457	0.199281727	0.361333685
cg14418176	ADCY3	2	0.00574986	0.161712692	0.30099399
cg10639428	ADCY3	2	0.00764462	0.214136675	0.321442333
cg08266286	ADCY3;ADCY	2	0.00551279	0.139952645	0.259579755
cg15464481	ADCY5	3	0.03847114	0.227944189	0.337239188
cg00061520	ADCY9	16	0.01232696	0.425369719	0.616336268
cg00162104	ADD1;ADD1;	4	0.00275012	0.406723022	0.590406955
cg02063365	ADI1	2	0.00691143	0.642953897	0.748343124
cg14271690	ADIG	20	0.00145929	0.206512744	0.354234742
cg03532879	ADIG	20	0.00236096	0.547825477	0.678977836
cg27392775	ADIPOR1;AD	1	0.01234141	0.550501042	0.657608291
cg19678564	ADORA1;ADC	1	0.00168527	0.25508631	0.410317426
cg21083556	ADSSL1	14	0.00011092	0.337632906	0.547150284
cg04522949	ADSSL1;ADSS	14	0.00030045	0.422092962	0.530057127
cg07406289	AFAP1;AFAP:	4	0.00823662	0.203797978	0.325549281
cg01592387	AFAP1;AFAP:	4	0.03401309	0.447765525	0.59920691
cg07109358	AFAP1;AFAP:	4	0.00032083	0.332917513	0.460244527
cg20147046	AFAP1;AFAP:	4	0.00111041	0.32498188	0.434825597
cg00624564	AFAP1;AFAP:	4	0.03153492	0.67252901	0.78104111

cg02465859	AFAP1L2;AFA	10	0.03065544	0.205171512	0.33166208
cg17875845	AFF1;AFF1	4	0.00053355	0.362248275	0.601250812
cg25350306	AFF3;AFF3	2	0.00547429	0.193763992	0.38150812
cg20965469	AFF3;AFF3	2	0.00030197	0.594421368	0.764613267
cg13353679	AFF3;AFF3	2	0.01789311	0.169026096	0.305539857
cg19542849	AFF3;AFF3	2	0.00132293	0.3054993	0.424786047
cg14941226	AFF3;AFF3	2	0.02762688	0.582909024	0.690897363
cg10140126	AFF3;AFF3	2	0.01538294	0.468249843	0.571461326
cg01254170	AGAP1;AGAF	2	0.00272851	0.354969107	0.539203593
cg09646946	AGAP1;AGAF	2	0.04602924	0.620554642	0.745550701
cg23467747	AGAP1;AGAF	2	0.00222897	0.655963345	0.779146519
cg07164047	AGAP1;AGAF	2	0.04893451	0.507113761	0.611605606
cg15068641	AGAP1;AGAF	2	0.00591638	0.362968347	0.463161308
cg03505148	AGAP2;AGAF	12	0.00045743	0.298615517	0.440972548
cg12253175	AGAP2;AGAF	12	0.00329933	0.241141695	0.368344683
cg14795572	AGAP2;AGAF	12	0.00122029	0.382787351	0.505736043
cg09596958	AGAP2;AGAF	12	0.01494635	0.255879309	0.374993484
cg22507723	AGAP2;AGAF	12	0.00139041	0.245098527	0.349061839
cg23387569	AGAP2;LOC1	12	0.00144872	0.20523729	0.35265241
cg14845962	AGAP2;LOC1	12	0.01214237	0.116927372	0.251252748
cg06314111	AGAP2;LOC1	12	0.00040104	0.277384282	0.395718862
cg16823042	AGAP2;LOC1	12	0.00368527	0.227523778	0.330730545
cg25417842	AGAP3	7	0.00300773	0.360590965	0.494843433
cg11817411	AGAP3;AGAF	7	0.01400471	0.488400503	0.598411259
cg04712895	AGAP3;AGAF	7	0.01067648	0.172446317	0.282156851
cg03743037	AGBL3	7	0.01657119	0.78158743	0.890490886
cg08321684	AGER;AGER	6	0.00967567	0.324072329	0.489310998
cg05914981	AGER;AGER	6	0.00039237	0.280400375	0.402319568
cg19730924	AGPAT1;AGP	6	0.00564559	0.428070465	0.533436851
cg01331461	AGPAT3;AGP	21	0.00613872	0.176623444	0.293757269
cg12466405	AGPAT3;AGP	21	0.01194328	0.797118083	0.900066164
cg23638070	AGPAT5	8	0.00886749	0.64968304	0.835007005
cg24485696	AGPAT5	8	0.02624679	0.660085226	0.770932764
cg12859101	AGPAT6	8	0.00093798	0.460144965	0.62023927
cg18272461	AGRN	1	0.00084423	0.302720746	0.415075317
cg06712559	AGRN	1	0.00575542	0.075633311	0.185699747
cg08057869	AGXT2L1;AG	4	6.44E-05	0.23200824	0.442710695
cg07181257	AHDC1	1	0.00022303	0.330121645	0.506696331
cg13373315	AHDC1	1	0.00017473	0.393254854	0.532952513
cg02283949	AIG1	6	0.00921506	0.155882031	0.347618749
cg03113916	AIG1	6	0.00063619	0.410680431	0.592850051
cg18689454	AIRE	21	0.00567394	0.255045924	0.399923662
cg16717549	AIRE	21	0.00484386	0.322850234	0.449476567
cg11923631	AIRE	21	0.00298396	0.251442892	0.356321212
cg09510531	AIRE	21	0.00065681	0.312413611	0.414907046
cg27251412	AIRE	21	0.00135604	0.277257234	0.377657354

cg06483820	AKAP1	17	0.00045961	0.507563786	0.689442975
cg13263323	AKAP13;AKA	15	0.00384471	0.175689452	0.391486894
cg17133734	AKAP13;AKA	15	0.01060528	0.230696665	0.421858518
cg19792099	AKAP5	14	0.01168301	0.573374271	0.682378471
cg25862117	AKAP7	6	0.00240483	0.167542712	0.306832253
cg19765281	AKAP8	19	0.00162288	0.377749584	0.488074003
cg09794444	AKD1	6	0.00139832	0.599161025	0.757608282
cg14274357	AKT1;AKT1;A	14	0.00308382	0.327610897	0.477972537
cg07160992	AKT1;AKT1;A	14	0.02221094	0.376452479	0.497788943
cg04820159	AKT1;AKT1;A	14	0.03608351	0.134692812	0.239367091
cg13351352	AKT2	19	0.00813856	0.313597342	0.481759052
cg24455383	AKT3;AKT3	1	0.00520139	0.540084401	0.727918321
cg11973514	AKT3;AKT3	1	0.00993992	0.762790885	0.866938376
cg09025274	ALCAM	3	0.00038848	0.638816505	0.765513985
cg19852058	ALCAM	3	0.04058092	0.719050481	0.838523504
cg21832978	ALCAM	3	0.01145764	0.547632398	0.664843966
cg27451508	ALDH3A1	17	0.0003098	0.613094946	0.747476598
cg04088289	ALDH4A1;ALI	1	0.00101424	0.495246036	0.623211836
cg00577167	ALDOB	9	0.03601201	0.273747571	0.406511626
cg14908875	ALKBH3	11	0.02608533	0.625700584	0.735599743
cg01928068	ALKBH3	11	0.00157885	0.606195466	0.707535187
cg02493798	ALOX12	17	0.01415537	0.120834891	0.254865208
cg03762994	ALOX12	17	0.0427518	0.162343788	0.296095518
cg12262378	ALOX12	17	0.03643743	0.134057978	0.24624951
cg18007837	ALOX12P2	17	0.00220817	0.147305798	0.2690911
cg11027217	ALPK1;ALPK1	4	0.00151625	0.352568572	0.463715212
cg00031779	ALPK2	18	0.00210549	0.303876626	0.477872153
cg07910680	ALPK2	18	0.00036524	0.196030007	0.360627457
cg27555092	ALPK2	18	0.00613024	0.115517064	0.257460308
cg25407077	ALPK2	18	0.00089633	0.546546741	0.682559251
cg27614534	ALPK2	18	0.00322688	0.597047239	0.710623775
cg14386193	ALPK2;ALPK2	18	0.0308337	0.29934273	0.428016443
cg00894103	ALPK3	15	0.01883409	0.368047472	0.523353153
cg26893816	AMACR;AMA	5	0.01260793	0.200865883	0.331662819
cg23449274	AMBRA1	11	0.00520462	0.69003337	0.794464003
cg01818391	AMDHD1	12	0.01896085	0.598398794	0.703857721
cg16636114	AMH;AMH	19	0.00840173	0.63693363	0.741394213
cg20406747	AMHR2;AMH	12	0.00052338	0.219521064	0.407437119
cg01636354	AMOTL2	3	0.01498125	0.153791204	0.264338542
cg08173606	AMOTL2	3	0.0423065	0.109545445	0.217338924
cg27565899	AMPD2;AMP	1	0.00237678	0.163010092	0.276358924
cg25772143	AMPD2;AMP	1	0.00055056	0.263212584	0.372457804
cg18015301	AMPH;AMPH	7	0.00186103	0.241032897	0.398243395
cg22308970	AMPH;AMPH	7	0.01134237	0.507245969	0.633195932
cg06618764	AMZ1	7	6.44E-05	0.306094621	0.460655027
cg06703803	ANAPC7	12	0.00098708	0.237159758	0.475931096

cg25116615	ANGPT1	8	0.03852062	0.47267511	0.597278091
cg03639897	ANGPT4	20	0.01307108	0.297930803	0.401089978
cg05234958	ANK1;ANK1;	8	0.00043672	0.575268542	0.709486974
cg07677598	ANK2	4	0.00036622	0.416422697	0.657477315
cg13555290	ANK2	4	0.01264439	0.297570072	0.490906627
cg17665652	ANK2;ANK2;	4	0.00582835	0.087405806	0.283746114
cg02296478	ANK2;ANK2;	4	0.00626215	0.134925025	0.271243109
cg12055265	ANK2;ANK2;	4	0.04407341	0.763670348	0.883837239
cg00294550	ANK3	10	0.02428736	0.110394254	0.229788108
cg01497527	ANKDD1A	15	0.0009943	0.381008506	0.497073255
cg07118895	ANKFN1	17	0.03333689	0.151789026	0.256232043
cg04023742	ANKLE2	12	0.00065064	0.697276732	0.808639861
cg20647656	ANKMY1;ANI	2	0.00055372	0.586297407	0.715448071
cg25810938	ANKMY1;ANI	2	0.02202689	0.098602543	0.225030956
cg03743720	ANKMY1;ANI	2	0.00067726	0.146987426	0.270399275
cg07592361	ANKMY1;ANI	2	0.00818574	0.149929951	0.250878727
cg09486407	ANKRD11	16	0.00048329	0.391947559	0.631292361
cg09420319	ANKRD11	16	0.0028151	0.257499233	0.473644106
cg08420923	ANKRD11	16	0.00393529	0.282726668	0.451340197
cg00488747	ANKRD11	16	0.00241324	0.571554166	0.739891576
cg05071195	ANKRD11	16	0.00287805	0.199011499	0.340286542
cg06567829	ANKRD11	16	0.04018791	0.376131129	0.513765874
cg00770754	ANKRD11	16	0.00201051	0.483001216	0.618096741
cg00332509	ANKRD11	16	0.00528039	0.504253126	0.636917112
cg03163759	ANKRD11	16	8.30E-05	0.239028943	0.362143001
cg27468976	ANKRD11	16	0.01398076	0.16153131	0.267966363
cg22889914	ANKRD2;ANK	10	0.00163987	0.430491287	0.606947642
cg10343327	ANKRD2;ANK	10	0.00106511	0.441144431	0.612031215
cg02950892	ANKRD2;ANK	10	0.01159322	0.327879821	0.464269958
cg09114211	ANKRD23	2	0.00016884	0.550049013	0.658221202
cg25290139	ANKRD23	2	0.03547733	0.626620933	0.734453759
cg10284115	ANKRD28	3	0.01572505	0.759583607	0.88155192
cg25612428	ANKRD33B	5	0.00053405	0.364908679	0.522374885
cg16343302	ANKRD33B	5	0.00138414	0.697957036	0.822433228
cg03701266	ANKRD33B	5	0.00212896	0.410282483	0.53189567
cg21167493	ANKRD33B	5	0.02601192	0.50236312	0.621917893
cg13276570	ANKRD33B	5	0.00216283	0.560715532	0.675126287
cg26741686	ANKRD37	4	0.02061896	0.136339271	0.242712093
cg04869949	ANKRD44	2	0.0017987	0.588091446	0.725988376
cg07683388	ANKRD44	2	0.00024762	0.226947369	0.35178921
cg16501561	ANKRD55	5	0.03253717	0.180292628	0.345655302
cg26978611	ANKRD6	6	0.00578879	0.18604594	0.299178831
cg03613003	ANO1;ANO1	11	0.00120326	0.260606952	0.471881408
cg15767218	ANO1;ANO1	11	0.00231554	0.241699826	0.438380509
cg02179492	ANO1;ANO1	11	0.0015487	0.578788019	0.697811215
cg13767135	ANO1;ANO1	11	0.02843835	0.197953411	0.305210194

cg04146573	ANO1;ANO1	11	0.00747639	0.129340911	0.23419383
cg04574152	ANO2	12	0.02630975	0.454784795	0.563227429
cg14399475	ANO2	12	0.00019215	0.598097788	0.701949814
cg23336996	ANO6;ANO6;	12	0.03883076	0.163000544	0.271258168
cg01410615	ANO7	2	0.0005395	0.134419961	0.317379739
cg25605313	ANO8	19	0.02773559	0.141089272	0.259453234
cg24192660	ANO8	19	0.02664812	0.226322454	0.340649949
cg24530041	ANPEP	15	0.00395835	0.377934522	0.524109981
cg13042288	ANPEP	15	0.02657227	0.626479377	0.750965473
cg21935536	ANPEP	15	0.03110225	0.465246032	0.575193498
cg20836795	ANTXR1;ANT	2	0.01133182	0.186321459	0.350050375
cg03164800	ANTXR2	4	0.00953655	0.502428778	0.626775236
cg03730709	ANXA11;ANX	10	0.00185899	0.209334905	0.36631891
cg11900509	ANXA11;ANX	10	0.00129947	0.171892946	0.312723454
cg15892650	ANXA6;ANXA	5	0.00727447	0.340328371	0.452762554
cg20437604	ANXA9;ANXA	1	0.00197009	0.316694483	0.474317095
cg18043280	AOC2;AOC2	17	0.00719766	0.183998214	0.333619006
cg14707353	AOX1	2	0.00852243	0.628392118	0.773853935
cg03832197	AOX2P	2	0.00522133	0.303299207	0.482948439
cg14557787	AP2A1;AP2A	19	0.00024762	0.412878655	0.520053189
cg27205902	AP2A2	11	0.00055215	0.337275229	0.654611801
cg21185674	AP2A2	11	0.0081004	0.392061148	0.530248853
cg02570643	AP3B1	5	0.0007159	0.537515085	0.679031632
cg17656426	AP3D1;AP3D	19	0.00119278	0.531996752	0.699010005
cg23429735	AP4E1	15	0.01010298	0.631892475	0.772145442
cg13917002	APBA1	9	0.01609999	0.194086661	0.323022456
cg27216937	APBB1;APBB	11	0.01069784	0.518329954	0.63524097
cg16492341	APBB1IP	10	0.00130817	0.201046702	0.355754884
cg10331073	APBB1IP	10	0.00839953	0.178768694	0.313919043
cg18014277	APBB1IP	10	0.00522459	0.649907294	0.779381118
cg23774717	APBB1IP	10	0.01001963	0.201215994	0.320458344
cg23877017	APBB2;APBB	4	0.01852405	0.234259256	0.411412104
cg26865481	APBB2;APBB	4	0.01164891	0.691365705	0.80214846
cg04229487	APCDD1	18	0.03363239	0.570687064	0.68282975
cg25611723	APCDD1	18	0.01277966	0.287775595	0.39688662
cg03401480	APCDD1L	20	0.01809888	0.16133784	0.262302084
cg15727249	APOA4	11	0.00063697	0.200645732	0.306278872
cg17548735	APOBEC2;AP	6	1.74E-05	0.275543772	0.498286787
cg24424889	APOBEC3H;A	22	0.01441908	0.423831125	0.561982428
cg09444226	APOLD1	12	0.01696611	0.449578849	0.587185298
cg05502439	AQP6	12	0.00391785	0.211541094	0.345208008
cg00604736	AQP6;AQP6	12	0.00147638	0.218103624	0.335348651
cg27321325	ARAP1;ARAP	11	0.02717969	0.316581065	0.441863902
cg00238848	ARAP1;ARAP	11	0.00262461	0.310500663	0.412761361
cg00487506	ARC	8	0.00457136	0.441580561	0.56608734
cg03059876	ARFGAP1;AR	20	0.00073803	0.224687052	0.329363558

cg16178743	ARG1;MED2	6	0.03077534	0.442694397	0.583030189
cg24867153	ARGLU1	13	0.00168146	0.783945671	0.893715595
cg26282731	ARHGAP10	4	0.00886583	0.167758448	0.341486785
cg01165159	ARHGAP10	4	0.00165587	0.248282098	0.407273852
cg14780276	ARHGAP10	4	0.01294623	0.307953785	0.451212709
cg01381498	ARHGAP10	4	0.04268784	0.318465736	0.434540954
cg14575356	ARHGAP18	6	0.04620986	0.209750223	0.32447465
cg16775752	ARHGAP22	10	0.00486332	0.306376976	0.447772094
cg25139229	ARHGAP22	10	0.00385276	0.142419756	0.255820455
cg26117265	ARHGAP22	10	0.00761795	0.367005715	0.469771828
cg20028019	ARHGAP23	17	0.00043968	0.435437576	0.590857923
cg03930313	ARHGAP23	17	0.00458583	0.178109514	0.316058556
cg23367339	ARHGAP23	17	0.00025547	0.642947464	0.749903555
cg05204171	ARHGAP26;A	5	0.01813132	0.669130413	0.774098907
cg23659289	ARHGAP27;A	17	0.00050716	0.10428184	0.231328122
cg19943578	ARHGAP27;A	17	0.00648112	0.294561055	0.419293245
cg27244773	ARHGAP27;A	17	0.000403	0.277116543	0.459782395
cg10094238	ARHGAP27;A	17	6.44E-05	0.270791656	0.41338586
cg26074051	ARHGDI	17	0.00147345	0.674104754	0.885381121
cg25141766	ARHGDI	17	0.00026045	0.440952138	0.560474863
cg10236857	ARHGDI	17	3.77E-05	0.33079401	0.449934518
cg11326429	ARHGDI	17	0.00253806	0.236499626	0.348537888
cg24299913	ARHGEF1;AR	19	0.03178618	0.491802914	0.616382233
cg05503433	ARHGEF1;AR	19	0.00367549	0.382115324	0.489228135
cg01824603	ARHGEF10	8	0.00064977	0.366546864	0.618851254
cg07694735	ARHGEF10	8	3.61E-05	0.347484247	0.591467974
cg06807837	ARHGEF10	8	0.00011726	0.518840438	0.741022684
cg03705571	ARHGEF10	8	0.00128815	0.274187235	0.467299394
cg22223001	ARHGEF10	8	0.0028501	0.5484619	0.720933775
cg20690085	ARHGEF10	8	0.01214237	0.210965048	0.383285752
cg23780635	ARHGEF10	8	0.00090595	0.310520875	0.482323737
cg20149022	ARHGEF10	8	0.00606751	0.325416639	0.480548176
cg01607321	ARHGEF10	8	0.01599565	0.311016773	0.450275702
cg08381013	ARHGEF10	8	0.00159001	0.596496555	0.711887308
cg21161403	ARHGEF10	8	0.00066183	0.269351274	0.381918397
cg09915232	ARHGEF10	8	0.00047308	0.567908967	0.677782147
cg15414698	ARHGEF10	8	0.0373181	0.599435118	0.706889533
cg10195336	ARHGEF10	8	0.03567034	0.325837394	0.431528188
cg20294080	ARHGEF10L;A	1	0.00555981	0.248072822	0.394127384
cg09754341	ARHGEF12	11	0.00394117	0.716894462	0.858443753
cg24371534	ARHGEF16	1	0.00025927	0.35765579	0.486893246
cg20933326	ARHGEF16	1	0.00104964	0.31175455	0.435630099
cg16017089	ARHGEF17	11	0.00901469	0.107987528	0.223034475
cg18252633	ARHGEF17	11	0.00197833	0.168078808	0.276092112
cg23460145	ARHGEF17	11	0.00050336	0.328831307	0.430683903
cg03887218	ARHGEF19	1	7.87E-05	0.252699634	0.429029832

cg20430773	ARHGEF19	1	0.00323249	0.099369461	0.229873151
cg05400732	ARHGEF3	3	0.00056907	0.256830513	0.513248874
cg05722035	ARHGEF3	3	0.01035148	0.323638331	0.510708448
cg14987175	ARID1B;ARID	6	0.00052359	0.28806615	0.441299616
cg03561416	ARID1B;ARID	6	0.00837599	0.204191354	0.353665841
cg17596249	ARID1B;ARID	6	0.04628179	0.220993327	0.369242306
cg05466469	ARID1B;ARID	6	0.02919134	0.130911618	0.260792034
cg02671826	ARID1B;ARID	6	0.00651901	0.68716291	0.803086532
cg04606397	ARID1B;ARID	6	0.03092007	0.478031234	0.585277316
cg26758131	ARID5B	10	0.02321361	0.479282892	0.582267444
cg10845391	ARL10	5	0.00581964	0.20145972	0.37433558
cg21467371	ARL16	17	0.00019723	0.294023352	0.418156332
cg06876872	ARL8A	1	0.00815729	0.556195313	0.665291795
cg19140602	ARMC4	10	0.00690636	0.333349108	0.531758292
cg18113295	ARMC9	2	0.04422834	0.123879402	0.226649024
cg13295549	ARNT2	15	0.0114387	0.117813133	0.229088936
cg10435282	ARNTL;ARNT	11	0.00088792	0.444813625	0.636857681
cg19536902	ARNTL;ARNT	11	0.01976884	0.667244359	0.78565992
cg11699265	ARPC1B	7	0.00109061	0.18280202	0.314634526
cg22729543	ARPC1B	7	0.00710599	0.428804083	0.530622967
cg21852346	ARPP-21;ARF	3	0.0022313	0.500838777	0.690756549
cg25399818	ARRB2;ARRB	17	0.00083907	0.674706835	0.775205878
cg17456851	ARSB	5	0.00072247	0.442519695	0.728502071
cg15922611	ARSJ	4	0.04225505	0.207289645	0.368396445
cg06160171	ARSJ	4	0.03271149	0.384470387	0.493990132
cg13258774	ASAP2;ASAP:	2	0.00723386	0.108894282	0.243702697
cg05027258	ASAP2;ASAP:	2	0.04773034	0.725987815	0.858826987
cg05991902	ASAP2;ASAP:	2	0.02048863	0.30679695	0.423923711
cg10903916	ASAP2;ASAP:	2	0.01993048	0.712929676	0.823693196
cg17731409	ASAP2;ASAP:	2	0.00817439	0.187825596	0.289621611
cg24580199	ASAP3;ASAP:	1	0.03710499	0.246753081	0.408397028
cg24654025	ASB13;ASB1:	10	0.00967116	0.406724687	0.541646094
cg05685483	ASB18	2	0.01018299	0.363766338	0.503519669
cg25692621	ASB4;ASB4	7	0.01037023	0.587987027	0.724857683
cg11554605	ASB4;ASB4	7	0.02126461	0.702187536	0.826856838
cg23685969	ASCC1;C10or	10	0.00898626	0.568748265	0.674294438
cg10584100	ASPH;ASPH;A	8	0.02394328	0.698581323	0.812805144
cg26955287	ASPSCR1	17	0.00016594	0.35892709	0.630854647
cg12374579	ASPSCR1	17	0.00043878	0.336087007	0.565699189
cg14419393	ASPSCR1	17	0.00118455	0.347562637	0.565169696
cg08311321	ASPSCR1	17	0.00078528	0.250463193	0.446862201
cg22949575	ASPSCR1	17	0.00093434	0.532015216	0.726695684
cg01410415	ASPSCR1	17	0.0005394	0.258230988	0.420193652
cg02647835	ASPSCR1	17	0.00095439	0.343886408	0.498159753
cg15438211	ASPSCR1	17	0.00253989	0.205498126	0.357145668
cg06483978	ASPSCR1	17	0.00173032	0.276253932	0.426049543

cg11780549	ASPSCR1	17	0.0029649	0.31247572	0.452277352
cg04784499	ASPSCR1	17	0.00053355	0.435743911	0.568671801
cg09925620	ASPSCR1	17	0.00015312	0.676118506	0.803619088
cg23928512	ASPSCR1	17	0.0258664	0.490040517	0.607682614
cg05277504	ASPSCR1	17	0.00277881	0.381228893	0.491388256
cg23135546	ASPSCR1	17	0.02649775	0.136109403	0.236955349
cg14010829	ASS1;ASS1	9	0.00157824	0.289627978	0.480584779
cg14053997	ASS1;ASS1	9	0.00976277	0.117538208	0.220028097
cg13792444	ASTN2;ASTN1	9	0.00115842	0.24396643	0.460734955
cg04372436	ATCAY	19	0.01430637	0.742756879	0.891592939
cg20363931	ATE1;ATE1	10	0.00915753	0.190222209	0.351487041
cg10315420	ATF1	12	0.01584036	0.663970926	0.801037663
cg07238630	ATG10;ATG1	5	0.00046317	0.512529435	0.712877879
cg13771313	ATG16L2	11	0.00253806	0.124803012	0.240122228
cg22214498	ATG2A	11	0.00096211	0.535925739	0.687325214
cg16721106	ATG4B;ATG4	2	0.00050349	0.661180642	0.799688868
cg20707601	ATG4B;ATG4	2	0.03269532	0.572108483	0.682395173
cg05791356	ATG7;ATG7;ATG7	3	0.01253457	0.698436101	0.799631636
cg24434988	ATHL1	11	0.01125706	0.44668455	0.617236794
cg05471373	ATM;ATM	11	0.00171446	0.662143548	0.794984297
cg04770025	ATM;ATM	11	0.02460408	0.79284003	0.910251309
cg12139707	ATM;ATM	11	0.00399459	0.691922572	0.802846298
cg20006729	ATN1	12	0.00622214	0.635996685	0.78443932
cg22548551	ATN1;ATN1	12	0.00827889	0.441836163	0.546808396
cg20839205	ATOH8	2	0.00658735	0.18347848	0.365420927
cg02914235	ATOH8	2	0.0018825	0.68550358	0.788584225
cg18256640	ATP10A	15	0.00742106	0.198010663	0.376808584
cg14381255	ATP11A;ATP11A	13	0.00641366	0.297262859	0.509325867
cg06206670	ATP11A;ATP11A	13	0.0028186	0.48272756	0.674844596
cg10883123	ATP11A;ATP11A	13	0.00378412	0.382444261	0.559981761
cg19970086	ATP11A;ATP11A	13	0.00924588	0.545589	0.687530653
cg02873074	ATP11A;ATP11A	13	0.03243493	0.347304691	0.487951478
cg14649073	ATP11A;ATP11A	13	0.01277792	0.352940951	0.491874109
cg11840467	ATP11A;ATP11A	13	0.00079396	0.326579935	0.465393287
cg14737571	ATP11A;ATP11A	13	0.00695928	0.493255505	0.627146021
cg13858127	ATP11A;ATP11A	13	0.01891034	0.555261748	0.687528152
cg14864184	ATP11A;ATP11A	13	0.04784453	0.52970944	0.641329287
cg11462099	ATP11A;ATP11A	13	0.00653093	0.114555818	0.222498625
cg01233786	ATP11A;ATP11A	13	0.00221577	0.611861163	0.713773068
cg17434062	ATP13A2;ATP13A2	1	0.01503288	0.280483176	0.429351929
cg02545688	ATP13A3	3	0.00915601	0.754006815	0.883369937
cg04403423	ATP1A1;ATP1A1	1	0.04599267	0.490857556	0.613474797
cg01448881	ATP1A2	1	0.00969289	0.357771988	0.493391397
cg26009832	ATP1B1;ATP1B1	1	0.0181069	0.265293903	0.439876831
cg10436792	ATP2A1;ATP2A1	16	0.02274929	0.298356257	0.412448272
cg10095954	ATP2A3;ATP2A3	17	0.00187332	0.263644595	0.418396106

cg25599198	ATP2A3;ATP2	17	0.02050788	0.243959831	0.352178815
cg20235117	ATP2B2;ATP2	3	0.01902456	0.325076158	0.455010135
cg03956243	ATP5G2;ATP5	12	0.01838527	0.15829204	0.303199356
cg07807695	ATP6AP1L	5	0.02662691	0.135734284	0.255916061
cg05883442	ATP6V0D1	16	0.00281305	0.254518269	0.378330841
cg02286270	ATP8A2	13	0.00266957	0.542796109	0.706317923
cg17488500	ATP8B2;ATP8	1	0.00624861	0.160446775	0.310443478
cg22288309	ATP8B4	15	0.02283703	0.443014793	0.643916039
cg19566879	ATXN1;ATXN	6	0.00210851	0.380078642	0.56422627
cg26843612	ATXN1;ATXN	6	0.02007087	0.393477774	0.569386363
cg08045301	ATXN1L;ATXI	16	0.03404188	0.439912585	0.544730001
cg21829116	ATXN7L1	7	0.01092857	0.518019922	0.643128477
cg19053223	ATXN7L1	7	0.01830147	0.337663897	0.441595756
cg03199646	ATXN7L1;ATX	7	0.00067309	0.627068848	0.748266631
cg03619256	ATXN7L1;ATX	7	0.02167715	0.216078817	0.328409638
cg15873112	ATXN7L1;ATX	7	0.00195156	0.74545991	0.847802893
cg09965388	ATXN7L3;ATX	17	0.00643881	0.334682659	0.548333803
cg04601228	AUTS2;AUTS2	7	0.00021379	0.274380865	0.562620983
cg19793499	AUTS2;AUTS2	7	0.00410845	0.237497993	0.391062736
cg08474953	AUTS2;AUTS2	7	0.00016024	0.660278556	0.8063962
cg09009070	AUTS2;AUTS2	7	0.00060261	0.61711428	0.74880582
cg14797899	AUTS2;AUTS2	7	0.02383887	0.37497964	0.5038891
cg14818546	AUTS2;AUTS2	7	0.01087168	0.255739851	0.378812368
cg00012698	AVEN	15	0.03152154	0.391071818	0.512771775
cg08005093	AXIN2	17	0.03788517	0.389691091	0.508102897
cg12255061	AXIN2	17	0.01166754	0.183508317	0.301239923
cg04166638	AZI1;AZI1	17	0.02992662	0.471330986	0.589165636
cg24403487	AZI1;AZI1	17	0.00024335	0.512417435	0.623461098
cg15564207	AZI2;AZI2;AZ	3	0.00796537	0.579937037	0.730814439
cg12624040	B3GALT1;B3G	2	0.01525618	0.675418978	0.86735608
cg02413326	B3GALT5;B3G	21	0.01989189	0.643779386	0.75728997
cg05532325	B3GNT7	2	0.01118223	0.506349102	0.715611984
cg03037437	B3GNT7	2	0.00085003	0.351778931	0.487786
cg09235217	B3GNT7	2	0.00978258	0.664209162	0.775216536
cg11472422	B3GNTL1	17	0.00066277	0.216167405	0.456324297
cg24962672	B3GNTL1	17	0.00394033	0.372209958	0.56623344
cg21688152	B3GNTL1	17	0.00368531	0.192911398	0.344001525
cg07200616	B3GNTL1	17	0.00084927	0.131288897	0.267342237
cg24650913	B3GNTL1	17	0.03975753	0.185743716	0.31925667
cg10820736	B3GNTL1	17	0.04519918	0.215133133	0.345223437
cg03591954	B3GNTL1	17	0.0117937	0.210564397	0.330423516
cg06745797	B3GNTL1	17	0.00410065	0.347220707	0.463253947
cg13858803	B4GALT1	9	0.00445561	0.189733031	0.40665628
cg16883145	B9D2;TGFB1	19	0.00091316	0.6071453	0.72701456
cg11523350	BACE1;BACE1	11	0.00758789	0.280553858	0.428656917
cg01923020	BACE1;BACE1	11	0.00166356	0.414436126	0.542314182

cg11559054	BACH2;BACH	6	0.046385	0.285102559	0.429371133
cg09790829	BACH2;BACH	6	0.01097323	0.27826477	0.402108709
cg17624073	BAHCC1	17	0.00011415	0.158844216	0.304328187
cg07016556	BAHCC1	17	0.00146582	0.160671306	0.298708733
cg25348105	BAHCC1	17	0.00535461	0.272118662	0.385097
cg13710969	BAHCC1	17	0.0004166	0.238013174	0.346705255
cg23532322	BAIAP2;BAIA	17	0.01588728	0.354292972	0.49988465
cg09840386	BAIAP2;BAIA	17	0.0006193	0.227979088	0.443355831
cg11620135	BAIAP2;BAIA	17	0.00020444	0.154920818	0.329576247
cg12349181	BAIAP2;BAIA	17	0.00100722	0.465457297	0.619599692
cg12475142	BAIAP2;BAIA	17	0.00405378	0.260565056	0.39701591
cg03060228	BAIAP2;BAIA	17	0.00195288	0.72576082	0.847243238
cg10063663	BAIAP2;BAIA	17	0.00800911	0.162242181	0.274402954
cg10030684	BAIAP2;BAIA	17	0.0282882	0.570978417	0.68117552
cg22184944	BAIAP2;BAIA	17	0.03059785	0.303424481	0.407392508
cg02533364	BAIAP2;BAIA	17	0.03056703	0.61799489	0.718514496
cg10531073	BAIAP2L2	22	0.00179527	0.150314766	0.271541169
cg17482424	BAMBI	10	0.005363	0.782366498	0.917522295
cg05762553	BANP;BANP	16	0.00120803	0.299435958	0.50781111
cg27058702	BANP;BANP	16	0.00852492	0.28094273	0.474020973
cg06374794	BANP;BANP	16	0.02047922	0.358536696	0.524848541
cg09870004	BANP;BANP	16	0.01043166	0.22106068	0.38572993
cg01256999	BANP;BANP	16	0.00407031	0.663075974	0.793225414
cg26979299	BANP;BANP	16	0.03609563	0.483788444	0.606046406
cg04081145	BANP;BANP	16	0.00079563	0.593124186	0.708573368
cg06969933	BANP;BANP	16	0.00450863	0.159010281	0.271465305
cg15647614	BAT1;BAT1	6	0.01126334	0.588253352	0.708369424
cg10851350	BAT2	6	6.98E-05	0.648641659	0.776435488
cg13267247	BAT2	6	0.01036831	0.584957243	0.702871522
cg10660666	BAT2L1	9	0.0131134	0.549430729	0.688066635
cg09144098	BBS2	16	0.04409157	0.280687123	0.430957235
cg05891572	BBS9;BBS9;B	7	0.03085304	0.33947158	0.539598185
cg20299670	BCAN	1	0.00514	0.43811699	0.72327922
cg08284564	BCAR1;BCAR	16	0.02267491	0.512810295	0.627038734
cg06888900	BCAR1;BCAR	16	0.00050336	0.268019037	0.435142584
cg02853019	BCAR1;BCAR	16	0.00889574	0.197343026	0.333156635
cg21144890	BCAS3;BCAS3	17	0.04738928	0.553724954	0.668119208
cg17192381	BCL2	18	0.01291281	0.51835405	0.630780662
cg26157948	BCL3	19	0.03043341	0.423325026	0.587330308
cg03496157	BCL7A;BCL7A	12	0.00216283	0.481698002	0.582441447
cg27616543	BCL9L	11	0.00035088	0.510887632	0.640861559
cg26811705	BCL9L;BCL9L	11	0.00027054	0.15097771	0.283585593
cg24988451	BDH2	4	0.00283032	0.754029772	0.86129683
cg20088756	BEGAIN;BEG	14	0.00044814	0.461815685	0.657910555
cg12025832	BEGAIN;BEG	14	0.00109578	0.196479791	0.335354843
cg19883293	BEGAIN;BEG	14	0.00969058	0.142623444	0.252637602

cg01963573	BEND3	6	0.00021379	0.383811718	0.555775216
cg09317928	BEST1;BEST1	11	0.01651302	0.499200178	0.600317103
cg11562596	BEST1;BEST1	11	0.00384589	0.345908082	0.486127606
cg23591609	BEST3	12	0.04876936	0.15123223	0.264281639
cg17277939	BEST3;BEST3	12	0.00829866	0.457120154	0.633766529
cg04609640	BEST4	1	0.03903286	0.458943813	0.55938622
cg13533456	BET3L	6	0.04450589	0.445498219	0.591726358
cg18815565	BFSP1	20	0.01254013	0.294707641	0.461820905
cg18768347	BHLHE40	3	0.00011803	0.216530935	0.384720551
cg26344982	BHLHE40	3	6.24E-05	0.250184972	0.415187588
cg25629905	BHLHE41	12	0.00234804	0.242987964	0.449905237
cg01902605	BHMT2;DMC	5	0.00172155	0.190078868	0.318058572
cg21427464	BIN1;BIN1;BI	2	0.00312917	0.590186866	0.775951017
cg08663425	BIN1;BIN1;BI	2	0.01503598	0.606802348	0.740398766
cg24791156	BIN3	8	0.00166148	0.342559704	0.514923278
cg15270350	BIRC5;BIRC5;	17	0.00247965	0.175665568	0.345275202
cg11971852	BIRC6	2	0.03793697	0.155768014	0.279825301
cg00545886	BLCAP;BLCAF	20	0.02027981	0.656987882	0.763085067
cg14579118	BLVRA	7	0.00470667	0.24493734	0.421652813
cg12616941	BMI1	10	0.04185757	0.584077577	0.732381507
cg18799284	BMP1;BMP1;	8	0.02669059	0.357015937	0.458728388
cg26665274	BMP2	20	0.00021379	0.276326205	0.564579393
cg05923197	BMP4;BMP4;	14	0.00450088	0.418333104	0.537845075
cg22023826	BMP5	6	0.04909155	0.432695013	0.568437583
cg21752295	BMP6	6	0.00941054	0.687131454	0.819901481
cg19798881	BMP6	6	0.00904863	0.170097849	0.279802777
cg25190824	BMP8B	1	0.01874479	0.258348437	0.382622155
cg15476602	BMPR1A	10	0.00742891	0.311133578	0.481408471
cg18483459	BMPR2	2	0.04682753	0.18404813	0.285851432
cg02365648	BNIP3	10	0.00791292	0.229732812	0.429363404
cg06147895	BNIP3	10	0.00266417	0.209885562	0.377158179
cg22987267	BNIP3L	8	0.01236186	0.367198643	0.532888906
cg02858625	BOC	3	0.01019291	0.31904039	0.559556404
cg15111495	BOC	3	0.00184237	0.288191786	0.475928405
cg13071869	BOC	3	0.01794224	0.466327305	0.649745364
cg25132931	BOC	3	0.00330033	0.438697146	0.609403968
cg05122957	BOC	3	0.00716142	0.154762997	0.293923015
cg13272743	BOC	3	0.00514318	0.563727308	0.700585884
cg01908177	BOC	3	0.00151625	0.494541567	0.6273981
cg14333539	BOK	2	0.01136488	0.174111134	0.282208102
cg25958911	BOP1	8	0.04362265	0.596692559	0.75327999
cg02908282	BOP1	8	0.00266876	0.222140019	0.349295329
cg15151778	BOP1	8	0.00684934	0.59172134	0.715408594
cg06354558	BOP1	8	0.00280319	0.781202625	0.89904918
cg16929012	BPHL;BPHL;B	6	0.00010163	0.536724302	0.738699587
cg01294253	BRD3	9	0.00866741	0.228233311	0.374223303

cg03657791	BRD4	19	0.00905266	0.62761297	0.756030927
cg26771969	BRD4;BRD4	19	0.00041304	0.170439569	0.280607158
cg19559114	BRD4;BRD4	19	0.00062721	0.423298832	0.52930453
cg00470044	BRE;BRE;BRE	2	0.00399603	0.203578021	0.347940193
cg17862837	BRE;BRE;BRE	2	0.01060429	0.542902731	0.649364835
cg01446612	BRI3BP	12	0.02604003	0.262813671	0.439159317
cg15161050	BRI3BP	12	0.03708194	0.568178558	0.684811292
cg15549767	BRIP1	17	0.02030717	0.755447634	0.86628624
cg26214765	BRP44L	6	0.03320739	0.335436743	0.447219434
cg24351452	BRSK1	19	0.00084676	0.483276606	0.671899902
cg24206507	BRSK2	11	0.00238549	0.486377852	0.69295053
cg19977004	BRSK2	11	0.00097827	0.446573504	0.597877878
cg10002860	BRSK2	11	0.00584138	0.346649933	0.488221607
cg05551792	BRSK2	11	0.01402609	0.308097448	0.436501572
cg13535416	BRSK2	11	0.00509558	0.695711398	0.820178247
cg03233876	BSG;BSG;BSC	19	0.00481959	0.133228018	0.248232924
cg12152068	BSN	3	0.01718386	0.447853163	0.605822039
cg21757872	BTBD11;BTBI	12	0.00499988	0.153515453	0.300410827
cg21500895	BTBD11;BTBI	12	0.00102382	0.269487901	0.413176247
cg13935577	BTBD11;BTBI	12	0.00186273	0.293698684	0.40733964
cg00530688	BTBD11;BTBI	12	0.00334417	0.736540884	0.837996476
cg06094113	BTBD18	11	0.00302894	0.263488991	0.445939578
cg06766016	BTBD19	1	0.02010885	0.468837519	0.589987697
cg25688060	BTBD3	20	0.03299867	0.527208407	0.642007082
cg13442386	BTBD9;BTBD	6	0.00138968	0.508265835	0.67559373
cg00978102	BTNL2	6	0.00367951	0.686818783	0.787445768
cg26002437	C10orf10;RA	10	0.00802616	0.302934118	0.427529401
cg11914795	C10orf107	10	0.0008505	0.188208356	0.351016805
cg14207539	C10orf11	10	0.00626149	0.545791398	0.704341302
cg23264016	C10orf11	10	0.00035088	0.343747643	0.496437665
cg24280832	C10orf11	10	0.01274808	0.29647664	0.428830372
cg01140247	C10orf11	10	0.01455944	0.31172503	0.436538683
cg05496768	C10orf11	10	0.04862525	0.638018012	0.751670915
cg17238009	C10orf11;C10	10	0.01174653	0.408895828	0.542449994
cg06103397	C10orf11;C10	10	0.02041879	0.318193871	0.42489731
cg17502312	C10orf18	10	0.0017987	0.211992712	0.404827297
cg09411597	C10orf18	10	0.03400092	0.331196171	0.479970869
cg08571020	C10orf62;DH	10	0.0002184	0.669960869	0.812641978
cg24197051	C10orf62;DH	10	0.00083907	0.521950917	0.626235756
cg08732300	C10orf71;C10	10	0.01396978	0.210237516	0.328548372
cg10775039	C10orf71;C10	10	0.02020228	0.300459584	0.469685196
cg18895336	C10orf72	10	0.00088739	0.409913315	0.571566031
cg07260003	C10orf72;C10	10	0.0057728	0.164993344	0.276310137
cg18286127	C10orf84;C10	10	0.00035603	0.255266952	0.493340144
cg24082249	C11orf30	11	0.0267679	0.400594992	0.552730846
cg25422051	C11orf68;C10	11	0.00138968	0.299264937	0.413688347

cg03505797	C11orf84	11	0.00137675	0.772659374	0.884151636
cg06579738	C11orf92	11	0.01274323	0.457791358	0.616243655
cg27475923	C11orf95	11	0.00015494	0.276035662	0.442712093
cg04686545	C12orf23	12	0.01229094	0.267058903	0.433749701
cg10082647	C12orf23	12	0.00247796	0.267883667	0.377195904
cg00019678	C12orf34	12	0.00581404	0.137435802	0.300166637
cg19879537	C12orf34	12	0.04533001	0.597660279	0.710466446
cg06252530	C12orf49	12	0.00066484	0.260587677	0.453155511
cg19214184	C12orf51	12	0.00331275	0.175703355	0.297129259
cg03061518	C12orf65;C11orf10	12	0.0029676	0.176656972	0.331471797
cg11727592	C13orf18	13	0.00114712	0.426592882	0.533972136
cg10664305	C13orf30	13	0.00884438	0.574492324	0.680888317
cg17923947	C14orf138;SOL1orf1	14	0.04407341	0.481559507	0.60702943
cg05019583	C14orf143	14	0.00082819	0.681365377	0.80607062
cg10297617	C14orf159;C14orf158	14	0.01238904	0.099754333	0.217979823
cg16220513	C14orf166	14	0.03842375	0.711024875	0.814462624
cg00780666	C14orf179;C14orf178	14	0.03844795	0.422943381	0.579369276
cg08258506	C14orf43	14	0.02303894	0.235327451	0.395940651
cg24128590	C14orf43;C14orf42	14	0.00060633	0.259159657	0.473698646
cg23938483	C14orf43;C14orf42	14	0.00111203	0.478724175	0.674224012
cg21032266	C14orf43;C14orf42	14	0.00556435	0.436822887	0.610880417
cg12861771	C15orf27	15	0.00017261	0.57392709	0.730045688
cg03536657	C15orf28;AN1orf1	15	0.00963442	0.494593927	0.627807457
cg01024668	C15orf28;AN1orf1	15	0.01116179	0.589822799	0.707970294
cg20352178	C15orf28;AN1orf1	15	0.01141756	0.607346371	0.712060076
cg27211935	C15orf39	15	0.00215655	0.580396161	0.747493408
cg22017146	C15orf39	15	0.01056705	0.618653443	0.727135328
cg20602300	C15orf57;C14orf179	15	0.00144607	0.479949302	0.694069663
cg17140476	C15orf57;C14orf179	15	0.00581404	0.371055673	0.563749449
cg09303678	C16orf11	16	0.00644394	0.298376443	0.433960887
cg02642565	C16orf5	16	0.00550387	0.110548519	0.228240224
cg08496964	C16orf68	16	0.00736526	0.514234331	0.63789799
cg26923629	C16orf71	16	0.00434532	0.190823407	0.380337105
cg26967566	C16orf74	16	3.77E-05	0.361261535	0.538234125
cg04558424	C16orf74	16	0.00025648	0.32092866	0.489855276
cg27063540	C16orf89;C16orf88	16	0.00618742	0.519376919	0.623133724
cg25657222	C17orf100;MIR4467	17	0.04215874	0.61108156	0.741526185
cg01248855	C17orf42	17	0.04205143	0.620921445	0.775982746
cg11494841	C17orf62;C17orf61	17	0.01905044	0.246919207	0.401816515
cg09913183	C17orf65;AS1orf1	17	0.03162152	0.655785366	0.814593526
cg25309567	C17orf70;C17orf69	17	0.0003561	0.35500142	0.535590143
cg02698731	C17orf70;C17orf69	17	0.0033967	0.448854604	0.57121285
cg26421997	C17orf79	17	0.00158276	0.540812517	0.665938518
cg21737421	C18orf1;C18orf2	18	0.00193717	0.487992823	0.690867417
cg23508887	C18orf1;C18orf2	18	0.01819683	0.080244293	0.21144227
cg24780966	C18orf1;C18orf2	18	0.00168588	0.359186306	0.596261363

cg27107110	C18orf1;C18o	18	0.00564265	0.455802399	0.570209695
cg08233331	C18orf2;C18o	18	0.03484004	0.668303573	0.787088755
cg16206090	C18orf45	18	0.02657828	0.139384878	0.256529323
cg02644867	C19orf23;CIR	19	0.00349705	0.283656577	0.394382971
cg14558880	C19orf23;CIR	19	0.00046123	0.415261373	0.518717634
cg23357435	C19orf26	19	3.77E-05	0.553675297	0.74546335
cg18547849	C19orf28;C19	19	0.00419429	0.234544523	0.349819538
cg07946961	C19orf34;CSI	19	0.01132204	0.336882644	0.486876032
cg27345346	C19orf55	19	0.00265786	0.354001045	0.507655893
cg07207742	C19orf6;C19o	19	0.02547853	0.491541252	0.608246337
cg09516958	C19orf6;C19o	19	0.02341062	0.562285609	0.669834879
cg00570088	C19orf6;C19o	19	0.00315502	0.669580512	0.773420002
cg17344770	C19orf71	19	0.00051973	0.315062379	0.54705509
cg06666376	C19orf77	19	0.01654557	0.373916247	0.49130443
cg07720789	C1orf105;PIC	1	0.02553199	0.509037564	0.615380941
cg17131183	C1orf113;C1o	1	0.02444603	0.281051455	0.439701353
cg19373545	C1orf113;C1o	1	0.00239793	0.262323709	0.384661614
cg15926004	C1orf133;SEF	1	0.02477796	0.125398572	0.264868764
cg20433455	C1orf144;C1o	1	0.00363616	0.353786953	0.482344142
cg23812948	C1orf159	1	0.00625881	0.405071706	0.616343231
cg01722868	C1orf161	1	0.00618894	0.418421801	0.619937715
cg11782208	C1orf170	1	0.00052764	0.410136993	0.510509765
cg27446570	C1orf174	1	0.00217814	0.221399061	0.427259648
cg14853231	C1orf174	1	0.0066766	0.357620253	0.473146799
cg15324917	C1orf198;C1o	1	0.00937016	0.140349768	0.310782331
cg26872588	C1orf198;C1o	1	0.00152032	0.135203171	0.249660616
cg21777154	C1orf21	1	0.00042618	0.480088743	0.694074619
cg07582892	C1orf21	1	0.03561143	0.314052088	0.486210212
cg11855643	C1orf21	1	0.00101776	0.509903337	0.658103417
cg12550731	C1orf21	1	0.00870582	0.269487777	0.37851828
cg09462269	C1orf210;C1o	1	0.03473304	0.31597356	0.418129388
cg15644413	C1orf216	1	5.03E-05	0.412084048	0.589908672
cg21817668	C1orf53	1	0.02188465	0.648721083	0.76668512
cg27528222	C1orf86	1	0.00308431	0.319729352	0.431833373
cg08933000	C1orf86;LOC	1	0.03560942	0.477147175	0.608329064
cg11503104	C1orf86;LOC	1	0.00688465	0.465409411	0.569152091
cg02636585	C1orf9;C1orf	1	0.00583646	0.776500708	0.900715371
cg21582311	C1orf96	1	0.00012312	0.232184045	0.501010648
cg13659928	C1QTNF1;C1o	17	0.01477505	0.567527112	0.706500617
cg25330016	C1QTNF1;C1o	17	0.04920939	0.122400723	0.24912817
cg03934354	C1QTNF3;C1o	5	0.01383562	0.142567837	0.298972444
cg18356785	C1QTNF4	11	0.00047393	0.197936806	0.353453434
cg09250458	C1QTNF8	16	0.00462236	0.137241069	0.262249513
cg02726898	C1QTNF8	16	0.00798031	0.243686237	0.367498076
cg09695996	C1QTNF8	16	0.03557224	0.335053866	0.436827022
cg10224476	C1QTNF8	16	0.00074104	0.250373315	0.35117548

cg09576649	C20orf112	20	0.01066178	0.556235422	0.67539742
cg16125816	C20orf117;C:	20	0.02002767	0.65294709	0.784553985
cg03904630	C20orf117;C:	20	0.0221624	0.635323443	0.759130814
cg02182210	C20orf160	20	0.00069853	0.211893489	0.374267795
cg09203029	C20orf20	20	7.39E-05	0.147696708	0.428685265
cg05097899	C20orf30;C2:	20	0.00477326	0.202066814	0.375206409
cg23736024	C21orf121	21	0.00032077	0.553595239	0.71899209
cg10569414	C21orf121	21	0.00018021	0.466049734	0.579307517
cg12947009	C21orf2	21	0.00105928	0.344699226	0.456955561
cg25726756	C21orf56;C2:	21	0.04865038	0.440655699	0.589578577
cg19902195	C21orf67;C2:	21	0.0012818	0.392771945	0.620122139
cg06684407	C21orf67;C2:	21	0.00197437	0.283052667	0.484084644
cg10007534	C21orf70	21	0.01240349	0.36991601	0.52283451
cg05054998	C21orf70	21	0.00742961	0.258260535	0.391755148
cg14723284	C21orf70	21	0.04396442	0.067620065	0.170272643
cg06787912	C21orf82;C2:	21	0.02210502	0.268681244	0.477307213
cg12003230	C21orf84	21	0.00663484	0.318588244	0.536578149
cg01042983	C22orf25	22	0.0038687	0.496270845	0.597581679
cg18034295	C22orf32;FAI	22	0.00758466	0.17073804	0.270821884
cg15223899	C22orf45;C2:	22	0.01058405	0.324695944	0.459551786
cg09246479	C22orf45;C2:	22	0.00807264	0.240129045	0.360286197
cg21423557	C2orf3	2	0.00401712	0.646430102	0.771194766
cg01169075	C2orf34	2	0.01814858	0.553998233	0.659076127
cg25819429	C2orf48	2	0.00081785	0.324442347	0.455468351
cg09516237	C2orf48	2	0.04272806	0.479298898	0.603275237
cg02061967	C2orf48	2	0.0110047	0.568619117	0.677007909
cg12789935	C2orf54;C2o:	2	0.00014645	0.204437996	0.383286222
cg09994035	C2orf54;C2o:	2	0.00024734	0.316172142	0.491754247
cg16171392	C2orf54;C2o:	2	0.00042483	0.573751447	0.730803436
cg08517455	C2orf55	2	0.00219423	0.525095363	0.660513614
cg10481134	C2orf58	2	0.04320972	0.281120424	0.467151928
cg04809904	C2orf62	2	0.00287222	0.546886892	0.654715409
cg16083447	C2orf64;UNC	2	0.01030429	0.382176194	0.532832307
cg24478803	C2orf70	2	0.00505472	0.213885061	0.319535883
cg25114245	C2orf81	2	0.02748848	0.218627064	0.323579345
cg04276057	C2orf82	2	0.00497072	0.188451343	0.301261959
cg13047596	C2orf82;C2o:	2	0.00238823	0.418902567	0.533628547
cg09491709	C3orf20	3	0.02452391	0.628750642	0.755705077
cg06436504	C3orf26;C3o:	3	0.00220673	0.515587586	0.648979939
cg00447769	C3orf62	3	0.02435853	0.669768327	0.790114733
cg22690884	C3orf74	3	0.00079924	0.498612515	0.652396876
cg26044340	C4BPA	1	0.01361717	0.441594703	0.629231448
cg26430305	C4BPA	1	0.04099899	0.194669235	0.315361283
cg26514552	C4BPA	1	0.03310212	0.181183352	0.282257182
cg14740771	C4BPB;C4BP:	1	0.01373923	0.186565175	0.352808643
cg06005199	C4orf23	4	0.00011804	0.479534738	0.713379869

cg11036672	C4orf23	4	0.00025065	0.209443094	0.384337151
cg09774649	C4orf23	4	0.00165587	0.134563207	0.279612157
cg27160141	C4orf23	4	0.0283446	0.748436758	0.871126578
cg23210109	C4orf44;C4orf44	4	7.39E-05	0.336833164	0.541316956
cg15466157	C4orf44;C4orf44	4	0.00134773	0.74303563	0.878926913
cg16913361	C4orf44;C4orf44	4	0.00230169	0.1986629	0.30155003
cg01283202	C4orf45	4	0.00217219	0.634747529	0.738012005
cg15841665	C4orf50	4	0.04164698	0.619312896	0.725098272
cg03877829	C5orf13;C5orf13	5	0.01499231	0.134650747	0.248952433
cg01242977	C5orf13;C5orf13	5	0.00082523	0.505321498	0.645784935
cg01860693	C5orf32	5	0.02504535	0.152103367	0.263558689
cg08927631	C5orf33;C5orf33	5	0.04017205	0.360270554	0.495252136
cg18355464	C5orf36	5	0.00222195	0.746136682	0.86295343
cg05432322	C5orf45;C5orf45	5	0.01559314	0.349483757	0.468020902
cg00508855	C5orf45;C5orf45	5	0.02701378	0.29158692	0.403816511
cg01035170	C5orf49	5	0.01054056	0.165817982	0.273135835
cg11976616	C6;C6	5	0.00693639	0.658165032	0.804621929
cg17282428	C6orf103	6	0.02707669	0.789874943	0.895380699
cg02917603	C6orf129	6	0.00424467	0.277259795	0.406284404
cg13011452	C6orf136;C6orf136	6	0.00030197	0.311623093	0.426110254
cg07241170	C6orf145	6	0.00975369	0.221496321	0.385646071
cg19117070	C6orf145	6	0.00078802	0.539603464	0.689869501
cg13617837	C6orf145	6	0.00827642	0.113160777	0.217448835
cg00786256	C6orf147	6	0.00650363	0.708157886	0.84656436
cg24756966	C6orf154	6	0.00073719	0.550532213	0.673497089
cg11523799	C6orf154;YIP	6	0.00029745	0.451341231	0.638384621
cg17767198	C6orf170	6	0.00595159	0.735491007	0.871719662
cg05678462	C6orf195	6	0.00760079	0.133707506	0.243795004
cg16672203	C6orf27	6	0.03216454	0.518427423	0.642218228
cg12554290	C6orf62	6	0.02678309	0.71678715	0.827040801
cg21032074	C6orf94	6	0.0004758	0.194877631	0.487781647
cg21863721	C6orf94;LTV1	6	0.00483417	0.68026504	0.807226381
cg04099158	C7orf10	7	0.03667568	0.160771338	0.342126377
cg11177223	C7orf20	7	0.001675	0.310079813	0.505771856
cg25795026	C7orf20	7	0.00023183	0.211789788	0.37812119
cg24921614	C7orf20	7	0.00088894	0.42237349	0.542061403
cg19837815	C7orf29;LRRK1	7	0.01113153	0.275524402	0.395032587
cg09526129	C7orf50;C7orf50	7	0.00022734	0.607462946	0.866038311
cg21255128	C7orf50;C7orf50	7	0.00022274	0.390433575	0.606414937
cg16542356	C7orf50;C7orf50	7	0.04993994	0.581027379	0.773194172
cg00364696	C7orf50;C7orf50	7	0.0075062	0.447771415	0.630781815
cg08081346	C7orf50;C7orf50	7	1.85E-05	0.429772781	0.610954074
cg11360546	C7orf50;C7orf50	7	0.00081421	0.461598593	0.636557372
cg07153868	C7orf50;C7orf50	7	0.00118022	0.415716848	0.570239901
cg01343703	C7orf50;C7orf50	7	0.00340274	0.564786931	0.718867709
cg14420668	C7orf50;C7orf50	7	0.00117067	0.341245576	0.483065716

cg01687997	C7orf50;C7o	7	0.00799576	0.481813782	0.615928143
cg03317820	C7orf50;C7o	7	0.0004602	0.123213699	0.256838364
cg08973950	C7orf50;C7o	7	0.04957816	0.257665516	0.388130139
cg04498913	C7orf50;C7o	7	0.00078633	0.401063938	0.529604993
cg02696561	C7orf50;C7o	7	0.00175762	0.674167391	0.798129928
cg02332902	C7orf50;C7o	7	0.00427162	0.819889248	0.926036489
cg08472276	C7orf50;GPE	7	0.03547733	0.392511894	0.522841682
cg08626653	C7orf51	7	0.00211396	0.257528127	0.417726256
cg24777710	C7orf54;SND	7	0.02785207	0.452403513	0.628078466
cg11742898	C7orf54;SND	7	0.03917133	0.15760693	0.312847416
cg11869184	C7orf61	7	0.00060502	0.631604309	0.759027613
cg01814565	C8orf34	8	0.04119663	0.341552172	0.488246276
cg00280504	C8orf34;C8o	8	0.01184607	0.742842646	0.844144121
cg06890415	C8orf46	8	0.0330201	0.167451867	0.287121398
cg04473280	C9orf25	9	0.00754937	0.246617247	0.355402252
cg00193947	C9orf27	9	0.01514773	0.690336561	0.808416235
cg00542880	C9orf3	9	0.00096163	0.430718375	0.61432324
cg13402635	C9orf3	9	0.01322565	0.128092339	0.304833334
cg13853813	C9orf3	9	0.0124988	0.201515542	0.364054221
cg13972491	C9orf3	9	0.00018563	0.2736007	0.427191585
cg14503441	C9orf3	9	0.00106154	0.578317677	0.727902326
cg14601621	C9orf3	9	0.00034463	0.310143456	0.454752766
cg21189849	C9orf3	9	0.02442442	0.396521892	0.514002425
cg09951047	C9orf3;MIR2	9	0.00015312	0.150737627	0.265258247
cg07763768	C9orf45	9	0.02913528	0.131531957	0.25821719
cg14215338	C9orf50	9	0.01200226	0.296378659	0.40387754
cg06788565	C9orf69	9	0.00116875	0.221117862	0.38514107
cg14224203	C9orf86;C9o	9	0.00189775	0.188768139	0.296826936
cg06557985	CA10;CA10;C	17	0.00701584	0.568258048	0.730997499
cg06948222	CA5A	16	0.00057344	0.379550041	0.527993897
cg02190618	CA5A	16	0.03948226	0.470636435	0.585886235
cg25919221	CA6	1	0.0216631	0.367668211	0.542204321
cg04874511	CAB39L;CAB	13	0.00038472	0.500366037	0.702767247
cg21157446	CABC1	1	0.00352088	0.316511221	0.468519928
cg13572638	CABC1	1	0.00050351	0.552514515	0.652660001
cg27440150	CABIN1	22	0.00021901	0.478077681	0.660382238
cg22804358	CABIN1	22	0.0109863	0.164845465	0.283379149
cg18793086	CABLES1;CAE	18	0.03813861	0.18044777	0.360168934
cg24964110	CABLES1;CAE	18	0.01935606	0.118589573	0.242420912
cg01379171	CABLES2	20	0.00628873	0.379994927	0.5549222
cg25021456	CACHD1	1	0.04393657	0.73864271	0.853153149
cg17574877	CACNA1C;CA	12	0.03255375	0.20239849	0.332623656
cg10517230	CACNA1G;CA	17	0.00776045	0.22486022	0.383676171
cg19075717	CACNA1G;CA	17	0.0226944	0.375742188	0.488932775
cg07990390	CACNA1H;CA	16	0.00409679	0.251192492	0.379926056
cg24426822	CACNA2D1	7	0.03513705	0.522615213	0.629820965

cg14585054	CACNB1;CAC	17	0.00284217	0.175923035	0.382949748
cg15828524	CACNB3	12	0.00427162	0.50736444	0.657799931
cg18055623	CACNG8;MIR	19	0.00060628	0.213389782	0.332769267
cg07785717	CACNG8;MIR	19	0.00806754	0.279755894	0.380406248
cg03472610	CADM2;CADI	3	0.00776757	0.566154177	0.736218241
cg15253604	CADPS;CADP	3	0.00161707	0.240691637	0.359376527
cg03625918	CADPS;CADP	3	0.01049307	0.187757167	0.297629091
cg11425149	CALD1;CALD1	7	0.00837084	0.178828841	0.38574832
cg08942004	CALHM3	10	0.03500038	0.50771777	0.622634183
cg09707038	CALM2	2	0.04972254	0.496564409	0.615176744
cg15819352	CALML6	1	0.00775251	0.4055805	0.537922788
cg19513232	CAMK2A;CAMK2	5	0.00182237	0.292315719	0.43371083
cg05379597	CAMK2G;CAMK2	10	0.0052358	0.150257634	0.262344327
cg25834768	CAMKK1;CAMK2	17	0.00861243	0.269497255	0.41964352
cg13839391	CAMKK2;CAMK2	12	0.00561549	0.409035844	0.514092097
cg01643090	CAMTA1	1	0.00098798	0.570636669	0.726338964
cg01912298	CAMTA2;CAMTA1	17	0.01425333	0.248253298	0.388262827
cg24848339	CAND2;CANDEL	3	0.00392583	0.473820149	0.639972479
cg27090078	CAPG	2	0.00051439	0.462921302	0.642720607
cg10664272	CAPG	2	0.03615665	0.296618114	0.419581774
cg04962005	CAPN1	11	0.00032917	0.261978456	0.453845354
cg06970290	CAPN1	11	0.00086149	0.485780127	0.659571187
cg09620688	CAPN1	11	0.00297351	0.295219122	0.441915769
cg13762244	CAPN1	11	0.00297362	0.184695261	0.287620988
cg16615776	CAPN10;CAPN10	2	8.30E-05	0.298064736	0.579005879
cg14086599	CAPN10;CAPN10	2	0.0001566	0.190754961	0.370314873
cg01712700	CAPN10;CAPN10	2	0.00177905	0.238067953	0.408623423
cg10078335	CAPN10;CAPN10	2	3.77E-05	0.407895666	0.52995971
cg24712395	CAPN12	19	0.02936798	0.365584605	0.479276923
cg22428691	CAPN2;CAPN10	1	0.00022415	0.537316539	0.657205761
cg04652208	CAPN8	1	0.00054394	0.390714215	0.654505528
cg19807694	CAPN8	1	0.02834939	0.277866774	0.427704425
cg27235315	CAPN8	1	0.03542775	0.522978044	0.645483198
cg15119640	CAPN8	1	0.01882788	0.480512596	0.594646026
cg13545089	CAPS;CAPS	19	4.96E-05	0.444592379	0.627756583
cg07535740	CAPS;CAPS	19	0.00048175	0.241883829	0.395227201
cg12763668	CAPZB	1	0.01109755	0.165538552	0.33138122
cg17786902	CAPZB	1	0.03283677	0.230192955	0.370290325
cg03534655	CARD11	7	0.03894749	0.605106115	0.712521315
cg13855862	CARD14	17	0.01864022	0.72733214	0.830785534
cg14035368	CARD9;CARD9	9	0.00107366	0.266563988	0.404278094
cg00853853	CARD9;CARD9	9	0.01098557	0.344993366	0.471966349
cg10279148	CARHSP1;CARD9	16	0.03731998	0.36963483	0.508171377
cg17155330	CARKD	13	0.00424077	0.612744116	0.769908275
cg25709335	CARKD	13	0.01960128	0.516503418	0.655332462
cg21664614	CARKD	13	9.78E-05	0.459462433	0.597321741

cg02922734	CARKD	13	0.01300324	0.566167277	0.699477304
cg03615408	CARM1	19	0.00067935	0.668374902	0.842327201
cg02321885	CARM1	19	0.00502754	0.336498517	0.491962127
cg08862742	CARS;CARS;C	11	0.0024688	0.224051076	0.424660517
cg14312661	CARS;CARS;C	11	0.03010462	0.129084211	0.284610049
cg04532438	CARS2	13	0.00621776	0.700361907	0.82858803
cg15597662	CASC3	17	0.00814802	0.35984287	0.519560042
cg05446253	CASKIN2;CAS	17	0.00031979	0.284278628	0.488827154
cg09457470	CASKIN2;CAS	17	0.00040832	0.437453759	0.61522461
cg09662798	CASKIN2;CAS	17	9.83E-05	0.255067691	0.428403467
cg25525709	CASKIN2;CAS	17	9.37E-05	0.679236459	0.825199888
cg19405868	CASP1;CASP1	11	0.00475837	0.69014884	0.841762751
cg01128042	CASP7;CASP7	10	0.02884025	0.249964046	0.487503406
cg26194092	CASP9;CASP9	1	0.00842581	0.563574393	0.671287036
cg15064681	CASQ2	1	0.00781546	0.524366917	0.678197439
cg17158913	CASZ1;CASZ1	1	0.00097451	0.308952095	0.43203323
cg07625774	CBFA2T3	16	0.0402362	0.270620257	0.373818845
cg05540133	CBFA2T3;CBF	16	0.00163736	0.464219336	0.632763271
cg08345246	CBFA2T3;CBF	16	0.00085295	0.544135421	0.662865291
cg04469016	CBFA2T3;CBF	16	0.00103619	0.187840776	0.291444159
cg27460526	CBLN4	20	0.03831935	0.388867222	0.530515609
cg03845745	CBR4	4	0.02117268	0.431614453	0.579304954
cg14436491	CBWD1;CBW	9	0.00042158	0.206169914	0.308813174
cg09257178	CBWD2;LOC4	2	5.28E-05	0.407046085	0.580293008
cg14565914	CBX3;CBX3	7	0.00020704	0.708925796	0.826763626
cg05738585	CBX6	22	0.00098544	0.324409509	0.456426039
cg03755052	CCDC102A	16	0.00653478	0.651772594	0.784314816
cg02102533	CCDC102A	16	0.00234622	0.38485595	0.492075338
cg12580580	CCDC109A	10	0.02123832	0.396876633	0.533390337
cg18251984	CCDC144NL	17	0.02352589	0.530455623	0.673937892
cg10744200	CCDC149;CCI	4	0.02074857	0.33273524	0.482794179
cg21646082	CCDC21	1	0.02353921	0.326816768	0.436290042
cg11134246	CCDC24	1	0.00188451	0.378512085	0.532831717
cg03937687	CCDC27	1	0.00034186	0.661236298	0.771485142
cg08879528	CCDC3	10	0.02376882	0.295547582	0.43842182
cg13389211	CCDC40	17	0.00333804	0.31977175	0.52602749
cg23197939	CCDC40	17	0.00993262	0.610172193	0.775378203
cg02484127	CCDC48	3	0.00767248	0.322149368	0.424996529
cg17529890	CCDC52	3	0.00767248	0.674842821	0.835788308
cg17751591	CCDC57	17	0.00082872	0.462853546	0.636484341
cg02967812	CCDC57	17	0.00212024	0.445136193	0.610505693
cg12879038	CCDC57	17	0.01843525	0.319036005	0.482285062
cg22110888	CCDC57	17	0.00029099	0.479703541	0.634436752
cg26507988	CCDC57	17	0.02231042	0.532144728	0.671234602
cg11935831	CCDC57	17	0.00161232	0.368431702	0.491128039
cg20780302	CCDC57	17	0.0102351	0.218867438	0.336336443

cg14352267	CCDC68	18	0.03723853	0.633199836	0.745270711
cg12113740	CCDC68;CCD	18	0.01322469	0.402252975	0.562587553
cg14001165	CCDC69	5	0.02241382	0.296758968	0.434583418
cg11715966	CCDC8	19	0.01756164	0.250885835	0.377723596
cg19463256	CCDC8	19	0.00693888	0.180421002	0.287132827
cg17448223	CCDC81;CCD	11	0.00814802	0.729203682	0.854240094
cg18864926	CCDC85C	14	0.02714334	0.462620202	0.571107213
cg05233289	CCDC88B	11	0.00070508	0.331313236	0.48861063
cg11657323	CCDC88B	11	0.0004363	0.168042689	0.320680227
cg12797157	CCDC88B	11	0.00272488	0.144571937	0.280200482
cg15175716	CCDC88B	11	0.00233141	0.317025883	0.445838351
cg21250436	CCDC91	12	0.02525645	0.727256962	0.83259179
cg00156230	CCM2;CCM2	7	0.04896649	0.129424321	0.280687995
cg06539449	CCND1	11	0.00038114	0.29565573	0.53564484
cg04717045	CCND1	11	0.00195139	0.406357872	0.62410822
cg12263469	CCND1	11	0.00076883	0.489986076	0.627965864
cg09637363	CCND1	11	0.00024097	0.264389828	0.375462681
cg11802013	CCND1	11	0.03415718	0.556871004	0.663109952
cg02723533	CCND1	11	0.00851079	0.774220812	0.879319412
cg00417288	CCND2	12	0.00011804	0.54192169	0.807454082
cg12594237	CCND2	12	0.00051123	0.665347177	0.835235372
cg26491833	CCND3;TAF8	6	0.04757084	0.356406002	0.462333151
cg21475610	CCNG2	4	0.02553015	0.131008074	0.235315059
cg09884635	CCNI2	5	0.00831258	0.407995982	0.508738497
cg13554033	CCNK;CCNK	14	0.00360738	0.6768882	0.78779378
cg15811904	CCNK;CCNK	14	0.02302251	0.365607601	0.47225681
cg02950701	CCNY;CCNY	10	0.00424631	0.253006931	0.434336917
cg09509673	CCR10;CNTN	17	0.03970972	0.432074145	0.557414931
cg09033997	CCR9;CCR9	3	0.00057627	0.738508349	0.856407373
cg24508095	CD151;CD151	11	0.00625882	0.481634068	0.599607544
cg08614201	CD160	1	0.00177863	0.563158822	0.721939668
cg15166089	CD164L2	1	0.00631667	0.491759964	0.59735329
cg07458509	CD320;CD320	19	0.00446383	0.237427904	0.374699261
cg17393635	CD37;CD37	19	0.0005211	0.322612921	0.443723303
cg26289436	CD37;CD37	19	0.00551051	0.219403259	0.321722803
cg11749672	CD37;CD37	19	0.00053478	0.224874537	0.326893767
cg03848831	CD81	11	0.03301456	0.638962837	0.782510804
cg18169610	CD81	11	0.00023739	0.458159459	0.595756674
cg07813265	CDC14A;CDC	1	0.0043998	0.351633514	0.474670515
cg04715649	CDC42BPB	14	0.01009667	0.159242931	0.288478888
cg26975587	CDC42BPB	14	0.01221122	0.680799705	0.804110651
cg14267099	CDC42BPG	11	0.01291544	0.427919731	0.587602307
cg05236720	CDC42EP3	2	0.00237273	0.360155599	0.545120595
cg27613998	CDC42EP3	2	0.01820348	0.368594006	0.520998316
cg15703377	CDC42EP4	17	0.00029141	0.532862661	0.75822143
cg27065254	CDC42EP4	17	4.70E-05	0.288060127	0.47497024

cg17379666	CDC42EP4	17	0.04133427	0.137967319	0.241337334
cg02123767	CDC42EP4	17	0.00335726	0.635964603	0.738105503
cg24527183	CDC42SE2;CI	5	0.02343511	0.556733484	0.675111708
cg01093138	CDH13	16	0.0393615	0.477297015	0.641614354
cg27347146	CDH15	16	0.00151565	0.554245691	0.662772232
cg05323683	CDH17;CDH1	8	0.02075716	0.128006978	0.295694879
cg03028769	CDH23	10	0.00072228	0.663279381	0.772060667
cg13714026	CDH23;CDH2	10	0.00584883	0.178733638	0.343762093
cg19615295	CDH26;CDH2	20	0.00053711	0.222269176	0.447159698
cg05376601	CDH3	16	0.01759521	0.536942932	0.664673595
cg05086443	CDH5	16	0.00323249	0.487645975	0.601157231
cg01814495	CDIPT	16	0.00033877	0.405160509	0.571420048
cg14139051	CDK14	7	0.00417563	0.273521461	0.451642178
cg01720722	CDK18;CDK1	1	8.66E-05	0.200433459	0.334682838
cg24060173	CDK18;CDK1	1	0.00068256	0.203329781	0.307260395
cg14948795	CDK2AP1	12	0.00621776	0.241277494	0.387432053
cg13189671	CDK2AP1	12	0.00050835	0.692590595	0.796365894
cg04270264	CDK5RAP1;CI	20	0.03128913	0.260350476	0.412807498
cg06028870	CDKAL1	6	0.02375683	0.581369822	0.691466286
cg05426966	CDKL2	4	0.0151239	0.262529106	0.398713453
cg23419490	CDKN1C;CDK	11	0.00038731	0.495886397	0.701130116
cg02953912	CDKN1C;CDK	11	0.00047665	0.496147452	0.680273875
cg11944284	CDKN1C;CDK	11	0.00039095	0.280511837	0.443734381
cg06962787	CDRT1;CDRT	17	0.04118865	0.225979601	0.363522649
cg01838596	CDYL;CDYL;C	6	0.00057431	0.303017008	0.530194507
cg04148753	CDYL;CDYL;C	6	0.00162255	0.48233268	0.658670322
cg01510990	CDYL;CDYL;C	6	0.04506986	0.252024872	0.364359525
cg13248581	CECR1;CECR1	22	0.00662118	0.126262756	0.260494588
cg21830459	CECR1;CECR1	22	0.00165021	0.207825732	0.34198503
cg22910462	CECR1;CECR1	22	0.00256404	0.189153656	0.31921684
cg01972843	CECR1;CECR1	22	0.01669423	0.181480926	0.286941789
cg04963575	CELA1	12	0.00637635	0.525714984	0.6355442
cg02167613	CELSR1	22	0.02692274	0.521868127	0.628573267
cg17530411	CELSR2	1	0.04965141	0.632313824	0.750242984
cg22595230	CENPB	20	0.00482282	0.211624398	0.31334857
cg00018198	CEP68	2	0.00695699	0.324882881	0.456337665
cg09136695	CEPT1;CEPT1	1	0.00697099	0.680555798	0.815823506
cg27469810	CETN1	18	0.04427652	0.663436254	0.777882
cg05922384	CFH	1	0.00055056	0.623505483	0.825778764
cg16767221	CGNL1	15	0.00909197	0.411967057	0.614671896
cg07981370	CHAC1;CHAC	15	0.00305184	0.640423955	0.755076235
cg22608534	CHADL	22	0.00072581	0.337044126	0.506263561
cg16195245	CHADL	22	0.00275072	0.156346854	0.263869292
cg27570892	CHCHD4;CHC	3	0.00283871	0.47577532	0.610323017
cg25011252	CHD7	8	0.01359443	0.621799613	0.724857433
cg04031656	CHD9	16	0.00022734	0.166665703	0.28210632

cg04071104	CHDH	3	0.01505319	0.14491268	0.30665364
cg27567495	CHDH	3	0.01591477	0.22440946	0.350833504
cg21232015	CHFR;CHFR;C	12	0.00348651	0.21255962	0.394829378
cg18451156	CHFR;CHFR;C	12	0.00425639	0.304492793	0.477513103
cg24532476	CHFR;CHFR;C	12	0.00861595	0.323202385	0.485130783
cg20066677	CHFR;CHFR;C	12	0.02142201	0.380747829	0.533401687
cg05119810	CHFR;CHFR;C	12	0.00232517	0.638518554	0.75179832
cg04002957	CHID1;CHID1	11	0.02688214	0.742628022	0.878842276
cg13318256	CHKA;CHKA	11	0.00350029	0.211702283	0.40494738
cg16087630	CHKA;CHKA	11	0.01377931	0.612524305	0.720257267
cg03964373	CHML;OPN3	1	0.03189023	0.574294952	0.778046564
cg08723459	CHMP1A;CHI	16	0.0009756	0.580581476	0.734272547
cg01497921	CHMP1A;CHI	16	0.00514601	0.409566164	0.561980933
cg05143398	CHN1;CHN1	2	0.0120408	0.713647757	0.83508632
cg25706861	CHPF	2	0.02375941	0.644829396	0.770719834
cg11210878	CHRM1	11	0.01300111	0.153890789	0.271862559
cg07484827	CHRNA10	11	0.03415406	0.519939923	0.621723908
cg02963878	CHRNA4	20	0.00552415	0.319460286	0.425478832
cg09632936	CHRNA9	4	0.04436271	0.220741157	0.347905194
cg18406852	CHST10	2	0.00304929	0.190533658	0.346072563
cg11117177	CHST11	12	0.00613676	0.35384398	0.504376551
cg16255541	CHST12	7	0.00112164	0.687145819	0.804736516
cg02463137	CHST15	10	0.04166517	0.558525008	0.664137689
cg19698242	CHST3	10	0.00359852	0.1517415	0.308838556
cg20048045	CHST3	10	0.03755219	0.224943288	0.341320432
cg13902101	CHSY1	15	0.00341549	0.421092812	0.641123488
cg14496909	CHSY1	15	0.00339293	0.521131508	0.681993361
cg14923652	CIDEA;CIDEA	18	0.0138302	0.380932093	0.534656619
cg03186620	CILP2	19	0.0018887	0.242180074	0.385948168
cg26635955	CILP2	19	0.02312827	0.157011055	0.271336421
cg06152070	CISD3;MLLT6	17	0.01119064	0.59363419	0.702027624
cg03339668	CIT	12	0.00060815	0.20892469	0.392072861
cg26097051	CIT	12	0.00060246	0.238112633	0.379365281
cg14312334	CIT	12	0.00045455	0.268915407	0.392350713
cg18881778	CIT	12	0.00127763	0.134533234	0.249002129
cg23307798	CKB	14	0.00466407	0.29110125	0.420474983
cg07180571	CLASP1;CLAS	2	0.02337882	0.25045636	0.403872066
cg10950615	CLASP1;CLAS	2	0.0047161	0.689356009	0.8069975
cg12051116	CLASP1;CLAS	2	0.03231657	0.46394026	0.565546582
cg02784956	CLASP2	3	0.00304398	0.699265479	0.803704364
cg16591681	CLCNKA;CLCI	1	0.00080657	0.300572699	0.440916526
cg21660130	CLCNKB	1	0.02533883	0.270804337	0.4908522
cg09808075	CLCNKB	1	0.0032325	0.260367134	0.463623019
cg09413450	CLCNKB	1	0.00670264	0.210572046	0.32169068
cg02571835	CLDN10;CLDI	13	0.00023192	0.772236347	0.875320613
cg11744304	CLDN15	7	0.00053511	0.265008676	0.41135061

cg02512860	CLDN15	7	0.00170065	0.396406231	0.516704774
cg27507254	CLDN19;CLDI	1	0.00063619	0.327211197	0.452605094
cg02882785	CLDN22	4	0.03984929	0.632930213	0.756321189
cg03038672	CLDN9	16	0.00093798	0.649493269	0.770221216
cg26597734	CLEC16A	16	0.00870319	0.152999494	0.339488904
cg03455828	CLEC16A	16	0.00570178	0.274307225	0.459765709
cg08082763	CLEC16A	16	0.00916405	0.280042306	0.427823443
cg27581211	CLEC16A	16	0.0038972	0.345172508	0.445784385
cg09126659	CLEC18C	16	0.01620269	0.506708803	0.630265905
cg06636831	CLEC3B	3	0.00064393	0.220166109	0.340431544
cg13423383	CLIC3	9	0.00292879	0.169231402	0.300351642
cg11653912	CLIC4	1	0.00333912	0.425752469	0.543818103
cg03603505	CLIP1;CLIP1	12	0.00183308	0.643051263	0.759240762
cg03058520	CLK3;CLK3	15	0.00160044	0.540524209	0.693745414
cg21871232	CLMN	14	0.01189457	0.129102008	0.250674369
cg05348776	CLMN	14	0.00676378	0.142275032	0.245104203
cg02397552	CLN5	13	0.03296682	0.551518171	0.661885855
cg27601809	CLPB	11	0.00952355	0.103831314	0.206455551
cg19981828	CLRN1;CLRN:	3	0.0467485	0.343598645	0.459857887
cg12182284	CLTB;CLTB	5	0.00030748	0.371614053	0.548541063
cg24911827	CLTCL1;CLTC	22	0.00422679	0.296174681	0.410897155
cg25302704	CLU;CLU	8	0.00254153	0.695970804	0.826376556
cg03129774	CLUAP1	16	0.02165944	0.131433866	0.342692447
cg24852561	CLYBL	13	0.00026193	0.48767282	0.658124115
cg18424717	CLYBL	13	0.01381137	0.576494728	0.713217991
cg23284609	CMBL	5	0.00894643	0.377071059	0.518466688
cg05705335	CMIP	16	0.00080849	0.279503957	0.41971198
cg08344351	CMIP	16	0.0071251	0.133136112	0.263173637
cg05438708	CMIP	16	0.00188842	0.205754414	0.316276887
cg03122201	CMIP;CMIP	16	0.00204511	0.2006156	0.38498464
cg01761552	CMIP;CMIP	16	0.01706088	0.46485327	0.640479744
cg06896529	CMIP;CMIP	16	0.00533478	0.228075528	0.394547295
cg16353318	CMIP;CMIP	16	0.00034583	0.429961306	0.585642669
cg09963814	CMIP;CMIP	16	0.00120593	0.212530519	0.363821117
cg08682723	CMIP;CMIP	16	0.0049889	0.296938688	0.444336657
cg06473941	CMIP;CMIP	16	0.00295237	0.175836542	0.303232023
cg05887079	CMIP;CMIP	16	0.00688557	0.517185112	0.631312703
cg01439753	CMIP;CMIP	16	0.02813085	0.171452377	0.283113862
cg10191399	CMIP;CMIP	16	0.00152032	0.275378279	0.384723184
cg03031932	CMIP;CMIP	16	0.00126085	0.688861517	0.794542213
cg02053054	CMTM1;CMT	16	0.00741311	0.437813704	0.659993861
cg05404009	CMTM4;CMT	16	0.03648452	0.13320189	0.283063406
cg06715352	CMTM4;CMT	16	0.00712732	0.672645111	0.785789587
cg22843111	CMYA5	5	0.00922787	0.159992892	0.358197488
cg05226518	CNIH	14	0.00246017	0.361975311	0.601043939
cg27269110	CNKS3	6	0.00088647	0.420682317	0.643903176

cg16175941	CNKSR3	6	0.01676147	0.289497845	0.467516422
cg27390253	CNN1	19	0.01524022	0.69048013	0.800584194
cg12448539	CNN3	1	0.00180549	0.379633196	0.582573701
cg19164761	CNN3	1	0.01095959	0.247732987	0.400344774
cg04267765	CNN3	1	0.02407887	0.526431308	0.6402812
cg14701880	CNOT2	12	0.01107106	0.776193695	0.886201571
cg16563470	CNP	17	0.00581964	0.153819087	0.281017551
cg23687677	CNP	17	0.00146582	0.226056113	0.338049607
cg07871971	CNTNAP1	17	0.00406626	0.499043062	0.64169761
cg21692620	CNTNAP1	17	0.01078365	0.141975207	0.24899717
cg10524687	COBL	7	0.01227882	0.558569991	0.692104347
cg04723449	COG7	16	0.00787503	0.459591221	0.609356217
cg07472159	COL10A1;NT	6	0.02942534	0.712667798	0.82526284
cg17820060	COL11A1;CO	1	0.01682921	0.726611862	0.882867455
cg24311693	COL11A2;CO	6	9.51E-05	0.277124596	0.532870484
cg02230225	COL11A2;CO	6	0.00044662	0.425915819	0.651175756
cg18671115	COL11A2;CO	6	0.00205692	0.356918012	0.572384703
cg01412022	COL11A2;CO	6	0.00165735	0.238385279	0.45141136
cg26322749	COL11A2;CO	6	0.00013946	0.490816645	0.696432242
cg21205776	COL11A2;CO	6	0.00045507	0.404330084	0.608487599
cg15173443	COL11A2;CO	6	5.12E-05	0.454984651	0.65770289
cg10736955	COL11A2;CO	6	0.00046304	0.508126345	0.710278358
cg20269729	COL11A2;CO	6	0.0004969	0.371203693	0.571589076
cg15818109	COL11A2;CO	6	0.00072666	0.354270068	0.547055756
cg22161893	COL11A2;CO	6	0.00080382	0.482985818	0.673349586
cg12228461	COL11A2;CO	6	0.00090174	0.310604563	0.500181255
cg22748722	COL11A2;CO	6	4.91E-05	0.498096195	0.682235943
cg14683730	COL11A2;CO	6	0.00166356	0.187218643	0.371242025
cg18375610	COL11A2;CO	6	9.67E-05	0.524475719	0.706649617
cg12061370	COL11A2;CO	6	0.00166554	0.335043628	0.513779002
cg00920162	COL11A2;CO	6	0.00509458	0.3763785	0.55359955
cg12947757	COL11A2;CO	6	5.40E-05	0.34645467	0.522411976
cg26981781	COL11A2;CO	6	0.00076717	0.355202359	0.530404353
cg09502339	COL11A2;CO	6	0.00326836	0.328515448	0.503268042
cg04249605	COL11A2;CO	6	0.00103239	0.295505134	0.469683379
cg07457375	COL11A2;CO	6	0.00646151	0.14541176	0.31808512
cg13617209	COL11A2;CO	6	0.00561599	0.259968727	0.432549525
cg09261794	COL11A2;CO	6	0.01129803	0.238349942	0.404540987
cg08077736	COL11A2;CO	6	0.00083674	0.232500073	0.391802244
cg01194674	COL11A2;CO	6	0.00238122	0.179694323	0.334919734
cg00514307	COL11A2;CO	6	0.00048037	0.561541567	0.714819927
cg18384402	COL11A2;CO	6	0.00097869	0.522976204	0.674308441
cg01320908	COL11A2;CO	6	0.00281593	0.596469892	0.747276942
cg08733307	COL11A2;CO	6	0.00092408	0.183600536	0.330109559
cg03260211	COL11A2;CO	6	0.00386651	0.337290908	0.483109236
cg15239679	COL11A2;CO	6	0.01243191	0.204889809	0.348178576

cg20798604	COL11A2;CO	6	0.00610611	0.29583239	0.437475402
cg16139380	COL11A2;CO	6	0.00106511	0.441107555	0.577970931
cg03500646	COL11A2;CO	6	0.00995984	0.230303403	0.365958347
cg00866054	COL11A2;CO	6	0.00069402	0.284075865	0.419464338
cg12881453	COL11A2;CO	6	0.00021562	0.171388011	0.30642908
cg05738403	COL11A2;CO	6	0.00048652	0.354411555	0.48821548
cg18624108	COL11A2;CO	6	0.00045223	0.564212448	0.695903825
cg26867987	COL11A2;CO	6	0.00030084	0.199630665	0.329514699
cg14466923	COL11A2;CO	6	0.00261673	0.347999338	0.476210917
cg25482983	COL11A2;CO	6	0.01291565	0.273708459	0.401230429
cg27590742	COL11A2;CO	6	0.00089898	0.698716923	0.823751481
cg19887293	COL11A2;CO	6	0.00122113	0.360821421	0.482573824
cg17596257	COL11A2;CO	6	0.02230704	0.477070077	0.596975656
cg23912266	COL11A2;CO	6	0.00537957	0.425016402	0.544399397
cg12312338	COL11A2;CO	6	0.0001918	0.326729863	0.442838028
cg15407213	COL11A2;CO	6	0.00197437	0.138577587	0.254112808
cg17790159	COL11A2;CO	6	0.00628575	0.204875452	0.318536354
cg17636806	COL11A2;CO	6	0.00179126	0.375500061	0.488930015
cg02890435	COL11A2;CO	6	0.00050835	0.353735564	0.465204552
cg02667414	COL11A2;CO	6	0.00018382	0.608761912	0.719565551
cg04653627	COL11A2;CO	6	0.0110298	0.548437212	0.657640477
cg00936309	COL11A2;CO	6	0.01171438	0.427042423	0.535214317
cg22361816	COL11A2;CO	6	0.00152272	0.46623826	0.572808313
cg20427378	COL11A2;CO	6	0.00100239	0.288929128	0.394503064
cg21893764	COL11A2;CO	6	0.0032652	0.14638538	0.248992039
cg22044585	COL11A2;CO	6	0.01834097	0.710621555	0.811682816
cg17591573	COL11A2;CO	6	0.00098193	0.216224496	0.449718822
cg11835806	COL11A2;CO	6	0.00014612	0.296202915	0.499955053
cg21509966	COL11A2;CO	6	0.00307913	0.335518724	0.528965362
cg01680268	COL11A2;CO	6	0.00059056	0.170100183	0.361934116
cg04182805	COL11A2;CO	6	0.00028199	0.475379986	0.666453665
cg11411509	COL11A2;CO	6	0.00864448	0.172581426	0.362230054
cg03790047	COL11A2;CO	6	0.0004559	0.441464161	0.627186135
cg22501449	COL11A2;CO	6	0.00347116	0.231202253	0.407970422
cg23704085	COL11A2;CO	6	0.00353612	0.183969157	0.359554351
cg03783258	COL11A2;CO	6	0.00706853	0.20991235	0.378793147
cg00505762	COL11A2;CO	6	0.00059442	0.188393507	0.350123273
cg01806857	COL11A2;CO	6	0.00187795	0.218708263	0.377253466
cg19628686	COL11A2;CO	6	0.01011607	0.211314406	0.364783127
cg24864639	COL11A2;CO	6	0.00159391	0.312597566	0.453511496
cg04137133	COL11A2;CO	6	0.00199742	0.156678491	0.267438442
cg23231727	COL11A2;CO	6	0.00583603	0.157254016	0.261628731
cg15089846	COL12A1;CO	6	0.00854671	0.660532277	0.778135411
cg20436086	COL13A1;CO	10	0.0022409	0.232476175	0.425722443
cg24488229	COL16A1	1	0.0030624	0.228326349	0.343870909
cg25832305	COL18A1	21	0.01329923	0.608830543	0.751592206

cg25613061	COL23A1	5	3.77E-05	0.3107405	0.442838776
cg18316500	COL23A1	5	5.88E-05	0.344924787	0.464038273
cg13427810	COL27A1	9	0.00482435	0.406487463	0.649929733
cg03758241	COL27A1	9	0.01116864	0.158324511	0.307446343
cg14031246	COL27A1	9	0.00042068	0.567547268	0.70240566
cg04382108	COL27A1	9	0.00134255	0.208895166	0.335001806
cg27301649	COL29A1;CO	3	0.00467519	0.614111158	0.723612944
cg15465823	COL2A1;COL	12	0.00242454	0.138740917	0.326491859
cg08715466	COL2A1;COL	12	0.00105563	0.269203226	0.456310091
cg15108410	COL2A1;COL	12	0.00167497	0.244505736	0.390089788
cg10502244	COL2A1;COL	12	0.0012007	0.217167173	0.340105994
cg01906695	COL2A1;COL	12	0.00528291	0.25251321	0.370675279
cg08234256	COL4A1	13	0.01506095	0.201200319	0.329322434
cg00050792	COL4A1	13	0.0164789	0.18436037	0.306185843
cg13618741	COL5A1	9	0.00142373	0.239721117	0.371889712
cg13567205	COL5A1	9	0.00177914	0.517465516	0.643219226
cg13787768	COL5A1	9	0.0255758	0.2038368	0.306236582
cg24795748	COL6A1	21	4.70E-05	0.355650331	0.473769364
cg11401293	COL6A1	21	0.00453888	0.292377249	0.393103945
cg22247792	COL6A2;COL	21	0.0009506	0.4795351	0.666077274
cg00929658	COL6A2;COL	21	0.01620398	0.65502195	0.816430668
cg20502977	COL6A3;COL	2	0.00908975	0.310908508	0.535289437
cg04869122	COL6A3;COL	2	0.00705765	0.266825083	0.37876147
cg18344769	COL8A1;MIR	3	0.00768708	0.752173163	0.855367624
cg03878567	COL9A1;COL	6	0.00146947	0.284438259	0.538526924
cg06598544	COL9A3	20	0.00153943	0.350849705	0.550510739
cg03059921	COL9A3	20	0.00052187	0.294996733	0.453617371
cg07305723	COL9A3	20	0.00050609	0.458976758	0.571725971
cg20950633	COLQ;COLQ;	3	0.00452553	0.58922345	0.721185746
cg11266863	COMMD10	5	0.02667576	0.733380051	0.8522261
cg26239085	COMMD7;CC	20	0.00882184	0.478499584	0.600577771
cg14132916	COPS8;COPS	2	0.00142831	0.712091904	0.82748011
cg24888814	COPZ1	12	0.00703782	0.364378517	0.548478661
cg18957463	CORIN	4	0.04272194	0.103716323	0.264304123
cg12449974	CORO2B	15	0.00014702	0.225562997	0.56770091
cg08594043	CORO2B	15	0.045724	0.404198197	0.523380952
cg01678309	CORO2B	15	0.00468265	0.192222498	0.310940902
cg02351655	CORO7	16	0.00576336	0.26343971	0.400596008
cg09069446	CORO7	16	0.001383	0.368225477	0.470414324
cg20163085	CORT;APITD1	1	0.01591665	0.580842636	0.686150792
cg25407372	CORT;APITD1	1	0.00883074	0.156385141	0.25997932
cg27299949	COX7B2	4	0.01317749	0.758518074	0.891848863
cg09457255	CP	3	0.00641646	0.769195861	0.872385097
cg16847637	CPA1;CPA1	7	0.00313066	0.19140215	0.328019431
cg03951662	CPD	17	0.0136441	0.510806243	0.682364259
cg01708636	CPE	4	0.02505091	0.283316362	0.445568183

cg11043571	CPE	4	0.01231996	0.167233513	0.303753406
cg17453840	CPEB1	15	0.02845699	0.203529436	0.341933196
cg15341575	CPEB3	10	0.01620765	0.184584261	0.354645963
cg20495964	CPNE5	6	0.00682865	0.52944998	0.631316516
cg16616467	CPNE7;CPNE	16	0.00128046	0.160951644	0.30805779
cg16710448	CPSF3	2	0.00952355	0.55403017	0.706591645
cg23689441	CPSF3L	1	0.0389175	0.503000499	0.609344521
cg23957742	CPSF4;CPSF4	7	0.01187959	0.477306866	0.581818273
cg03101058	CPSF4L	17	0.00063254	0.400774581	0.575104425
cg15211864	CPT1A;CPT1A	11	0.00589751	0.202771378	0.394518236
cg26906629	CPT1A;CPT1A	11	0.0003766	0.433791805	0.602607183
cg04732324	CPT1A;CPT1A	11	0.00054026	0.632889253	0.755277953
cg20285002	CPT1A;CPT1A	11	0.00170025	0.693868867	0.800753347
cg08260245	CPT1B;CPT1E	22	0.0123661	0.290969987	0.397850587
cg19112186	CPT1B;CPT1E	22	0.02229186	0.187562961	0.298845406
cg24363820	CPT1B;CPT1E	22	0.00828548	0.166131569	0.266937448
cg23729283	CPVL;CPVL	7	0.00613387	0.491446895	0.638356455
cg20242781	CPVL;CPVL	7	0.00383187	0.289096824	0.399509583
cg26270695	CRABP1	15	0.02243168	0.169991254	0.312824267
cg10333594	CRAMP1L	16	0.0020762	0.18182853	0.293397252
cg19573230	CREB3L2	7	0.00138157	0.47087931	0.621319096
cg04604708	CREB3L2	7	0.04146421	0.130165921	0.23602967
cg12552104	CREB5;CREB5	7	0.00244384	0.293203459	0.486536389
cg20315150	CREB5;CREB5	7	0.01701581	0.452721439	0.639860914
cg07042532	CREB5;CREB5	7	0.0009415	0.406272746	0.556781704
cg14862787	CREB5;CREB5	7	0.00084618	0.565562837	0.695305715
cg13495373	CREB5;CREB5	7	0.0182726	0.375108136	0.501727862
cg19588408	CREB5;CREB5	7	0.00062301	0.269073551	0.478613086
cg21159940	CREB5;CREB5	7	0.00200899	0.197268334	0.399496073
cg19559984	CREB5;CREB5	7	0.00201469	0.279942394	0.441190693
cg20306842	CREB5;CREB5	7	0.02520538	0.177343249	0.30814311
cg09450153	CREB5;CREB5	7	0.01764009	0.265263542	0.382651956
cg13995399	CREB5;CREB5	7	0.00837299	0.160786468	0.271195604
cg09269891	CREBBP;CREB	16	0.00066546	0.737432903	0.847864071
cg09967633	CRISPLD2	16	0.00175815	0.43064311	0.633593948
cg04704487	CRISPLD2	16	0.00367632	0.175168033	0.371779042
cg00263677	CRISPLD2	16	0.01028941	0.170548318	0.280128602
cg13407975	CRLF1	19	0.01683182	0.112042645	0.224071626
cg14973240	CROCC	1	0.00744491	0.09431588	0.264133931
cg00094269	CROCC	1	0.00115842	0.588329391	0.693944766
cg10558598	CROCCL1	1	0.00131464	0.261448797	0.410576218
cg25680629	CRTAP	3	0.02264387	0.125908317	0.265744837
cg02961385	CRTC1;CRTC1	19	0.00127243	0.231387294	0.431285686
cg07015183	CRTC1;CRTC1	19	0.00258241	0.50330789	0.693374062
cg23661824	CRTC1;CRTC1	19	0.0033089	0.501172873	0.650193849
cg01874562	CRTC1;CRTC1	19	0.00682264	0.149516178	0.277141991

cg03073714	CRY1	12	0.02331332	0.462947109	0.625593305
cg08688043	CRYBA1	17	0.0039966	0.408527006	0.565150139
cg25221625	CRYBB3	22	0.00032348	0.56120219	0.690769006
cg24580724	CRYZ;CRYZ;C	1	0.00069769	0.23360346	0.434377773
cg18636739	CSDA;CSDA	12	0.01807169	0.143743727	0.277329288
cg20704330	CSF2	5	0.00154244	0.508802835	0.654233247
cg01129958	CSGALNACT1	8	0.00175137	0.382689036	0.596410771
cg00158770	CSGALNACT1	8	0.00031166	0.396701885	0.551415331
cg12059540	CSGALNACT1	8	0.01448196	0.257895434	0.402811831
cg05800416	CSGALNACT1	8	0.0089938	0.20532718	0.335310493
cg20552236	CSK;CSK	15	0.0039386	0.250124981	0.35731963
cg01807946	CSNK1D;CSN	17	0.00401346	0.211019415	0.31957441
cg05843621	CSNK1D;CSN	17	0.010191	0.633439597	0.737937938
cg06129556	CSNK1G1	15	0.00214074	0.333639243	0.592825737
cg06470424	CSNK1G2	19	0.00044209	0.222008458	0.378014183
cg07894846	CSNK1G2	19	0.00495972	0.769729468	0.883149971
cg25902666	CSNK1G2	19	0.02192636	0.716679689	0.817091752
cg05208483	CSPG4	15	0.00389496	0.418906378	0.612180909
cg06734519	CSPG4	15	0.00025065	0.566511467	0.744253382
cg23893942	CSPG4	15	0.00123011	0.394971428	0.545062911
cg03238581	CSPG4	15	0.01823513	0.083337279	0.229979676
cg05729827	CSPG4	15	0.00181616	0.456049918	0.582759998
cg21460582	CSPG4	15	0.0194448	0.116941992	0.235040231
cg02400942	CSPG4	15	0.03484773	0.110489732	0.222967189
cg14029169	CST3	20	0.00281198	0.646156902	0.794481745
cg10911844	CTBP1;CTBP1	4	0.04801705	0.287005056	0.448330226
cg00148286	CTBP1;CTBP1	4	0.00482704	0.439109715	0.581332039
cg07928191	CTBP1;CTBP1	4	0.0338358	0.627405057	0.765967052
cg12525219	CTBP1;CTBP1	4	0.00043819	0.589919757	0.710263263
cg04195548	CTBP1;CTBP1	4	0.00095422	0.342753263	0.458934033
cg00814909	CTBP1;CTBP1	4	0.00689763	0.391337821	0.50595128
cg06166341	CTBP1;CTBP1	4	0.00089339	0.527159491	0.632858008
cg09758273	CTBP1;CTBP1	4	0.00250268	0.540910736	0.645493777
cg19936016	CTBP1;CTBP1	4	0.00068434	0.425072318	0.527135549
cg17523415	CTBP2;CTBP2	10	0.0038716	0.587352322	0.711473701
cg09559798	CTBP2;CTBP2	10	0.00765351	0.433138235	0.57656792
cg11285912	CTBP2;CTBP2	10	0.00103787	0.639291915	0.758681728
cg27660388	CTBP2;CTBP2	10	0.04160877	0.312873735	0.414336821
cg06240209	CTBP2;CTBP2	10	0.02331048	0.724093282	0.8274139
cg07237540	CTDP1;CTDP1	18	0.01025043	0.490184547	0.633459593
cg07753598	CTDSP1;CTDS	2	0.0004559	0.410302022	0.658224372
cg03228931	CTDSP2	12	0.0024427	0.518887152	0.664027114
cg27606822	CTDSP2;MIR:	12	8.93E-07	0.613136785	0.737968923
cg13333722	CTDSPL;CTDS	3	0.0005373	0.636645605	0.774335749
cg18499250	CTDSPL;CTDS	3	0.0083005	0.380754738	0.50372864
cg08171483	CTDSPL;CTDS	3	0.04319246	0.117781133	0.23917393

cg17359975	CTGF	6	0.00139298	0.331017123	0.445297312
cg05740575	CTHRC1	8	0.00056518	0.145562041	0.353376993
cg01156295	CTNNA1;LRR	5	0.00632437	0.311412689	0.529496461
cg06606949	CTNNA1;LRR	5	0.02258267	0.268854108	0.429991188
cg17315014	CTNNA1;LRR	5	0.04492345	0.152731906	0.278187239
cg11677683	CTNNA1;LRR	5	0.00832311	0.163206428	0.333455146
cg27004195	CTNNA2;CTN	2	0.02459323	0.261167276	0.388654557
cg04141648	CTNNA3	10	0.03266858	0.573887108	0.680378375
cg12232373	CTNS;CTNS	17	0.0003542	0.575388618	0.684521346
cg16118839	CTSC;CTSC;C	11	0.01328479	0.482341995	0.609415831
cg08914150	CTTN;CTTN	11	0.00756735	0.652818126	0.79845901
cg13096351	CTTN;CTTN	11	0.0302548	0.167656274	0.311893582
cg02011981	CTTN;CTTN	11	0.02436399	0.606902799	0.748113397
cg07663344	CTTN;CTTN	11	0.00454139	0.588588944	0.705994434
cg07005180	CTTN;CTTN	11	0.0080998	0.224278304	0.33857256
cg22559630	CTTNBP2	7	0.02700735	0.203476223	0.332795228
cg10524701	CTTNBP2	7	0.0028227	0.692019846	0.814611384
cg08581745	CUBN	10	0.00596055	0.158239692	0.36509503
cg17436460	CUBN	10	0.01340779	0.225053566	0.334131608
cg12979590	CUGBP1	11	0.01663312	0.537826171	0.69457025
cg06352464	CUGBP2;CUC	10	1.54E-06	0.198744704	0.483703308
cg05833351	CUGBP2;CUC	10	0.00844982	0.121059406	0.240656492
cg26825849	CUL4A;CUL4	13	0.01239509	0.309939428	0.443868622
cg20080282	CUL5	11	0.00669566	0.160753274	0.311728602
cg26570844	CUX1;CUX1;C	7	0.00150232	0.210727701	0.497821927
cg14466759	CUX1;CUX1;C	7	0.00138984	0.223167975	0.492411935
cg24420432	CUX1;CUX1;C	7	0.00320482	0.186787835	0.429265578
cg12349350	CUX1;CUX1;C	7	0.00426214	0.318707988	0.560659523
cg20567148	CUX1;CUX1;C	7	0.00454583	0.210731143	0.43935017
cg07266412	CUX1;CUX1;C	7	0.00373949	0.300642451	0.501054104
cg17713751	CUX1;CUX1;C	7	0.00110734	0.422393975	0.593386989
cg14203426	CUX1;CUX1;C	7	0.01064117	0.405859525	0.570556249
cg24183566	CUX1;CUX1;C	7	0.02843492	0.199918303	0.359255973
cg02911387	CUX1;CUX1;C	7	0.00695992	0.265249465	0.416678451
cg17472610	CUX1;CUX1;C	7	0.00268796	0.23777892	0.369523506
cg08549332	CUX1;CUX1;C	7	0.01447027	0.502026729	0.633688416
cg03141815	CUX1;CUX1;C	7	0.02821421	0.677918051	0.781637559
cg06471596	CUX1;CUX1;C	7	0.00963442	0.116770803	0.217199612
cg18483404	CUZD1	10	0.00230068	0.285621817	0.479266719
cg20427865	CX3CL1	16	0.04146538	0.170935903	0.307984622
cg05724197	CX3CL1	16	0.00092663	0.365699702	0.482990327
cg22908000	CXCR7	2	0.02018458	0.19185734	0.311315371
cg14876315	CXXC5	5	0.00033537	0.518897953	0.719404988
cg06905511	CXXC5	5	0.00491884	0.18764234	0.360492646
cg05227215	CXXC5	5	0.00214555	0.213326239	0.380617703
cg13707793	CXXC5	5	0.00049503	0.159290453	0.30024645

cg23167035	CXXC5	5	0.00202083	0.390124258	0.530740739
cg17306279	CXXC5	5	0.00101083	0.334884425	0.473754122
cg22741735	CXXC5	5	0.00558925	0.217094216	0.33939374
cg04406620	CYB5B	16	0.00765571	0.687024822	0.787776146
cg15290965	CYB5R2	11	0.00310247	0.178743053	0.337755001
cg20619563	CYB5R4	6	0.02379866	0.738424734	0.857878483
cg02603251	CYFIP2;CYFIP	5	0.00508244	0.362321845	0.521202036
cg09464728	CYGB	17	0.00047914	0.267662185	0.38313175
cg04790755	CYHR1;CYHR	8	0.01918905	0.349958231	0.470048155
cg20387172	CYHR1;CYHR	8	0.01051487	0.533531025	0.648841566
cg09201719	CYP17A1	10	0.00046317	0.315365177	0.474549878
cg21181051	CYP20A1	2	0.03155373	0.307739319	0.479446395
cg00999152	CYP26B1	2	0.00059111	0.287667781	0.496431547
cg01959421	CYP26B1	2	0.00462227	0.144773852	0.343403443
cg04586286	CYP26B1	2	5.40E-05	0.731071484	0.850714073
cg14447606	CYP26B1	2	0.0065991	0.111727299	0.219486507
cg09233204	CYP26C1	10	0.04824442	0.260033623	0.401668431
cg11234637	CYP26C1	10	0.00471261	0.333436318	0.450831844
cg25083618	CYP26C1	10	0.00031984	0.212943675	0.328526924
cg04564481	CYP26C1	10	0.0017987	0.265363893	0.380618841
cg07225966	CYP26C1	10	0.02849692	0.123151569	0.227027392
cg20293609	CYR61	1	0.00165744	0.17348421	0.325710978
cg07602008	CYR61	1	0.00118704	0.139744697	0.247203077
cg22123915	CYR61	1	0.0101934	0.209742716	0.316274322
cg06607764	CYTH1;CYTH:	17	0.02565014	0.196831848	0.302643935
cg27566403	CYTH1;CYTH:	17	0.00110647	0.271974855	0.374858602
cg08687948	CYTH3	7	0.00163744	0.226575374	0.426539318
cg20492034	CYTH3	7	0.00150061	0.274697586	0.453764284
cg08893109	CYTH3	7	0.00429258	0.674908614	0.822775491
cg13562102	CYTH3	7	0.00021941	0.475105409	0.610931323
cg05643545	CYTSB;CYTSB	17	0.01095803	0.188381003	0.423441675
cg21045385	CYTSB;CYTSB	17	0.00883311	0.513903567	0.64739875
cg20290367	CYTSB;CYTSB	17	0.00692565	0.206745618	0.392581007
cg09818912	CYTSB;CYTSB	17	0.03526159	0.357079137	0.525044534
cg17365725	D2HGDH	2	0.00148819	0.491018601	0.643894537
cg02386599	DAAM2	6	0.03559826	0.207170831	0.310637733
cg27351239	DAAM2	6	0.01807125	0.151825663	0.253377382
cg14190522	DAB2IP	9	0.02891524	0.132053986	0.274186253
cg06454084	DACT3	19	0.00609808	0.286623495	0.518727742
cg08906015	DACT3	19	0.00061006	0.157130681	0.376619424
cg12472022	DAGLA	11	0.02208111	0.132407447	0.249474503
cg20144359	DAGLA	11	0.01214342	0.271397326	0.388061827
cg16854606	DAND5	19	0.00209628	0.234602772	0.37683388
cg18801045	DAP	5	0.00154244	0.259126717	0.502091815
cg19633004	DAP	5	0.00757515	0.207599244	0.391402408
cg05473987	DAP	5	0.00515935	0.4015588	0.560990136

cg24754277	DAPK1	9	0.0170157	0.232620224	0.352127412
cg16447058	DAPK2	15	0.00609534	0.193497237	0.347573222
cg02872476	DBNDD1	16	0.00059935	0.312611309	0.514495982
cg20739396	DCAF15	19	0.01456475	0.501221731	0.645877594
cg03938800	DCAF6;DCAF	1	0.00555755	0.71428963	0.861574668
cg16177647	DKAKD;DKAK	17	3.77E-05	0.373557115	0.620680113
cg26730025	DKAKD;DKAK	17	0.03301683	0.114769633	0.217578132
cg12226735	DCBLD2	3	0.00394117	0.479980668	0.641637447
cg16080643	DCC	18	0.00981552	0.105167506	0.224644267
cg23173301	DCHS1	11	0.00112584	0.30579213	0.492464357
cg09605634	DCLK1	13	0.00637635	0.14986222	0.309480354
cg22806908	DCP1A	3	0.00022725	0.391241584	0.649767992
cg07039975	DCTN1;DCTN	2	0.02356749	0.311518344	0.44270828
cg20202112	DCTN1;DCTN	2	0.00194303	0.275223544	0.418156582
cg01772663	DCTN6	8	0.01721019	0.451134891	0.608959823
cg26767593	DCTN6	8	0.01888804	0.387694701	0.519049375
cg03941745	DCTPP1	16	0.02457281	0.544110506	0.648938426
cg21238257	DCUN1D2	13	0.00838517	0.702437022	0.820918737
cg10810378	DCUN1D2	13	4.98E-05	0.662230086	0.776417616
cg01145245	DCUN1D3	16	0.02128466	0.112926601	0.249827933
cg01820584	DCUN1D4;DC	4	0.00117165	0.36860926	0.649314535
cg04749306	DDA1	19	0.01384737	0.194304668	0.321334203
cg25095032	DDAH2	6	0.00067023	0.239231304	0.38151664
cg04074004	DDAH2	6	0.00994401	0.321088193	0.44594324
cg01066220	DDAH2	6	0.02064715	0.405900777	0.512266602
cg20147224	DDB2	11	0.04753207	0.077030573	0.180687163
cg10771650	DDR1	6	0.0017168	0.352282432	0.546505514
cg19215110	DDR1;DDR1	6	0.01216278	0.238846233	0.383347941
cg16707952	DDR1;DDR1	6	0.0161352	0.49682024	0.637727204
cg12768993	DDX10	11	0.00436007	0.64562134	0.78423805
cg07194374	DDX24	14	0.00139299	0.462199841	0.649070757
cg12499311	DDX46	5	0.03596887	0.134526546	0.276247252
cg14548777	DDX5	17	0.03037928	0.167154899	0.295809922
cg09375756	DEAF1	11	0.00116708	0.374547514	0.604273258
cg21156386	DEAF1	11	0.01185514	0.302066993	0.470282544
cg13569700	DEAF1	11	0.00245257	0.671632189	0.792461542
cg04761824	DEC1	9	0.01782241	0.536209486	0.653986757
cg13220900	DEF6	6	0.00177811	0.275210863	0.388860274
cg26894841	DEF8;DEF8	16	0.03488407	0.408210956	0.525400817
cg19592003	DEFB114	6	0.04467914	0.720685132	0.839336807
cg13618623	DENND1A;DE	9	0.03117549	0.254477945	0.41356404
cg08379738	DENND1C	19	0.00421359	0.300329702	0.469095358
cg14798653	DENND1C	19	0.00197009	0.272308958	0.39477905
cg08319291	DENND2A	7	0.00011244	0.60031484	0.705868747
cg26518580	DENND2D	1	0.00468356	0.431197382	0.581861659
cg21442881	DENND3	8	0.00370094	0.350717053	0.542756289

cg07580128	DENND3	8	0.00222748	0.680366395	0.80153333
cg08602861	DENND3	8	0.00850201	0.496577208	0.600925687
cg07428496	DERL1;DERL1	8	0.00729124	0.633770812	0.766821622
cg09622420	DEXI	16	0.00416057	0.577912227	0.683399451
cg12744321	DFFB	1	0.02669496	0.415959042	0.540817084
cg17790129	DFNA5;DFNA	7	0.01107216	0.141505232	0.299912557
cg25577212	DFNA5;DFNA	7	0.01014474	0.159586503	0.294549624
cg13826055	DFNB31;DFN	9	0.00093983	0.457282876	0.742108994
cg22126047	DGCR9	22	0.00451777	0.462610875	0.591367655
cg07679948	DGKA;DGKA;	12	0.01938417	0.308783326	0.42422978
cg25107522	DGKD;DGKD	2	0.0103774	0.125724139	0.277192105
cg23224619	DGKD;DGKD	2	0.01256087	0.350322572	0.485886033
cg08051105	DGKD;DGKD	2	0.00047682	0.472428658	0.582245714
cg15815084	DGKE	17	0.03421872	0.275025916	0.401693711
cg22718636	DGKQ	4	0.01986535	0.185774817	0.290512611
cg08971637	DGUOK;DGU	2	0.01229707	0.555972218	0.659109533
cg10523319	DHRS3	1	0.00039956	0.634606924	0.788955579
cg16432031	DHRS3	1	0.01481001	0.501098726	0.611698958
cg00352872	DHRS7C	17	0.02073844	0.153871328	0.283318092
cg14777519	DHX30;DHX3	3	0.00216283	0.314673119	0.474781635
cg15085006	DHX30;DHX3	3	0.03319268	0.466121414	0.573720833
cg18062196	DHX40;DHX4	17	0.03939452	0.56086668	0.683581741
cg20592691	DIAPH3;DIAP	13	0.0163759	0.422983646	0.606500387
cg23899649	DICER1;DICEI	14	0.00227306	0.616786152	0.771537427
cg10948630	DICER1;DICEI	14	0.00281205	0.654246577	0.808861156
cg23488578	DICER1;DICEI	14	0.02016693	0.145293422	0.262420921
cg20517784	DIP2C	10	4.98E-05	0.479426071	0.720226858
cg17242812	DIP2C	10	0.00616796	0.594101593	0.825476793
cg25301103	DIP2C	10	0.00127243	0.602354855	0.820465766
cg09782637	DIP2C	10	0.00778827	0.52030014	0.7357266
cg26782150	DIP2C	10	0.00520043	0.198781427	0.398612083
cg11423998	DIP2C	10	0.00195944	0.593246854	0.786084716
cg11081275	DIP2C	10	0.00040933	0.235746089	0.421160805
cg04720116	DIP2C	10	0.00305422	0.486549033	0.668566265
cg17608529	DIP2C	10	0.00444092	0.315323247	0.494596953
cg08784934	DIP2C	10	0.00024788	0.414498197	0.593563942
cg04806237	DIP2C	10	0.01600952	0.701189262	0.869168612
cg17905091	DIP2C	10	0.02082966	0.445782382	0.613465815
cg13477178	DIP2C	10	0.00114145	0.202578335	0.370043702
cg10441401	DIP2C	10	0.00293974	0.225703058	0.391184967
cg06492521	DIP2C	10	0.0257726	0.423950372	0.589196905
cg00590260	DIP2C	10	0.00037718	0.188519598	0.353251725
cg27159421	DIP2C	10	0.00118207	0.549432712	0.713715181
cg09961254	DIP2C	10	0.00279677	0.249325048	0.413204079
cg26511507	DIP2C	10	0.00920335	0.158241574	0.308823577
cg01361261	DIP2C	10	0.00324171	0.531390385	0.681265215

cg20251943	DIP2C	10	0.00652965	0.284763472	0.4338463
cg11468148	DIP2C	10	0.00359176	0.265437788	0.411585194
cg05005968	DIP2C	10	0.02127546	0.109319426	0.252077349
cg12531838	DIP2C	10	0.00303036	0.169597956	0.308472526
cg08306029	DIP2C	10	0.00405153	0.638831031	0.776819528
cg04248461	DIP2C	10	0.00215379	0.182968606	0.314696407
cg17861458	DIP2C	10	0.00378545	0.520450519	0.645613135
cg13387972	DIP2C	10	0.00114145	0.53481505	0.657981067
cg08079763	DIP2C	10	0.00643729	0.270370173	0.392434388
cg06156195	DIP2C	10	0.00332182	0.602996645	0.722606613
cg15584954	DIP2C	10	0.03189442	0.565323385	0.676672067
cg26406407	DIP2C	10	0.00437409	0.464753183	0.576052448
cg24502027	DIP2C	10	0.00044465	0.158806244	0.269198927
cg01272967	DIP2C	10	0.00180723	0.54786062	0.658059844
cg25297146	DIP2C	10	0.00016652	0.795801341	0.904583576
cg18442019	DIP2C	10	0.04106778	0.485150096	0.593665286
cg02122937	DIP2C	10	0.00790208	0.652096926	0.758993691
cg20471927	DIP2C	10	0.00225599	0.41326416	0.51347839
cg15713378	DIP2C;C10ori	10	0.00104891	0.453052622	0.601074075
cg13660126	DIP2C;C10ori	10	0.01295548	0.48160335	0.62636636
cg15516835	DIP2C;C10ori	10	0.00886583	0.151194268	0.290045312
cg16682227	DIRAS3	1	0.04523771	0.329851872	0.520273867
cg07934818	DIRC3	2	0.00030589	0.633308577	0.778464305
cg24980995	DIRC3	2	0.01017869	0.182085307	0.287560063
cg19561615	DIS3L	15	0.03977121	0.489593519	0.596593426
cg13952483	DISP1;DISP1	1	0.01918216	0.10962827	0.219610895
cg10942056	DISP1;DISP1	1	0.02358182	0.136871371	0.243474217
cg03803789	DIXDC1;DIXD	11	0.00195725	0.15700775	0.361831466
cg18962750	DIXDC1;DIXD	11	0.01874221	0.598998231	0.725314708
cg05415408	DKFZP586114	7	0.03769143	0.745942291	0.859260943
cg26148020	DLC1	8	0.02500717	0.193750692	0.365787591
cg17989952	DLC1;DLC1;D	8	0.00396543	0.42907455	0.644889795
cg16749785	DLC1;DLC1;D	8	0.01058354	0.528990553	0.67366347
cg20607577	DLC1;DLC1;D	8	0.0240206	0.448885721	0.582306851
cg08274637	DLEU7	13	0.00305422	0.196805131	0.302671981
cg13489576	DLG1;DLG1	3	0.0177174	0.63780863	0.752211481
cg24182581	DLG2;DLG2;L	11	0.01398076	0.367540797	0.53046798
cg25856632	DLG4;DLG4	17	0.00207283	0.33996581	0.455411801
cg27328839	DLG5	10	0.00168527	0.642199067	0.771161576
cg23042540	DLGAP2	8	0.00305184	0.226615251	0.39161616
cg20705812	DLGAP2	8	0.00030748	0.425691001	0.5396903
cg07422669	DLGAP2	8	0.03056982	0.542932219	0.650363593
cg13494348	DLL1	6	0.00657201	0.451093468	0.606729013
cg06432036	DLL1	6	0.00149393	0.621733883	0.728988682
cg14157570	DLL4	15	0.00087084	0.189010942	0.417204112
cg08101303	DLX5	7	0.02944385	0.21660495	0.317117401

cg16686429	DMPK;DMPK	19	0.0036499	0.277728472	0.389455108
cg23213876	DMRTB1	1	0.030941	0.488848105	0.610640109
cg20451636	DMWD	19	0.00065412	0.631376796	0.766103072
cg22798468	DNAH14;DN	1	0.00773535	0.71905965	0.849554863
cg00204249	DNAH17	17	0.00099477	0.444671479	0.628750436
cg00735218	DNAH17	17	0.02076695	0.418804737	0.572294131
cg00913879	DNAH17	17	0.01478818	0.479711195	0.623770348
cg05361750	DNAH17	17	0.00549253	0.654492258	0.771483168
cg21631150	DNAJB11	3	0.02225155	0.554660851	0.698377787
cg21554771	DNAJB2;DNA	2	0.03471576	0.728444823	0.857776691
cg10161638	DNAJB6	7	0.00271384	0.347718209	0.50504343
cg16081609	DNAJC1	10	0.03829163	0.42913355	0.547896042
cg02993722	DNAJC11	1	0.00033683	0.37909333	0.584738588
cg16842483	DNAJC13	3	0.04389845	0.570779453	0.683968379
cg25700533	DNAJC17;C1	15	0.00614086	0.095515552	0.255999503
cg11174089	DNAJC3	13	0.01538294	0.578922113	0.756278381
cg14830003	DNALI1	1	0.00162771	0.209762615	0.349907583
cg09764984	DNASE1	16	0.00832537	0.168743489	0.374697905
cg27552378	DNASE1	16	0.00176071	0.232996618	0.382343171
cg16656316	DNER	2	0.00703278	0.706655064	0.821559067
cg23068797	DNM2;MIR1	19	0.00066642	0.238922861	0.358281558
cg23009818	DNMT3A;DN	2	0.00295532	0.236241358	0.341625273
cg06748978	DNMT3A;DN	2	0.0018962	0.35061452	0.526262524
cg20702417	DNMT3A;DN	2	0.00097696	0.522015325	0.627180646
cg27482168	DNPEP	2	0.02664418	0.355184697	0.476072649
cg13444670	DNTT;DNTT	10	0.03018894	0.476021003	0.602229768
cg18565023	DOC2B	17	0.0306846	0.490925428	0.591466834
cg26717418	DOCK1	10	0.00251006	0.442543348	0.595290123
cg02614045	DOCK2	5	0.01650887	0.387096862	0.587571052
cg16797901	DOCK4	7	0.01941574	0.141579837	0.273924475
cg01205935	DOCK9;DOCK	13	0.0418906	0.117982085	0.22792777
cg11800635	DOK1	2	0.00484804	0.236147068	0.340611844
cg07280936	DOK7;DOK7	4	0.00069262	0.177970777	0.316405077
cg14293102	DOT1L	19	0.00030339	0.57648386	0.760782641
cg21725158	DOT1L	19	0.00283619	0.418013215	0.566504866
cg24430201	DOT1L	19	0.00725583	0.513807941	0.615514349
cg09609051	DPF2	11	0.02792001	0.193823229	0.315886583
cg01901381	DPF3	14	0.00175279	0.490943844	0.628295629
cg09350880	DPF3	14	0.00577668	0.275123044	0.411073652
cg06776201	DPF3	14	0.00922157	0.231603295	0.366514275
cg13588403	DPF3	14	0.04286681	0.229970901	0.338180563
cg04122918	DPF3	14	0.04352285	0.128163705	0.228957173
cg00014900	DPH2;DPH2	1	0.00043188	0.655928822	0.769878411
cg18317135	DPP9	19	0.00237209	0.428959792	0.542069546
cg23057232	DPYD	1	0.02729644	0.230069948	0.393247236
cg26836456	DPYD;DPYD	1	0.03237381	0.677629889	0.782838336

cg03193505	DPYS	8	0.00248345	0.671093851	0.798882745
cg04185123	DPYSL3	5	0.02728831	0.608539419	0.729755644
cg16649728	DRAP1;C11o	11	0.00076551	0.277561373	0.397832695
cg14603539	DSCAM	21	0.01079668	0.297143738	0.434196159
cg22778797	DSCR8;DSCR:	21	0.00239377	0.628289003	0.731509923
cg05629781	DTNA;DTNA;	18	0.01448983	0.124496185	0.240389384
cg12561125	DTX3;GEFT	12	0.01916167	0.329544301	0.458353231
cg05941778	DUSP10;DUS	1	0.03167759	0.684762893	0.80300589
cg03913136	DUSP14	17	0.00927711	0.731762291	0.863669544
cg16328400	DYNC1H1	14	0.00076898	0.654990285	0.761760618
cg14069214	DYNLL1;DYN	12	0.04251546	0.15622924	0.26933679
cg01670714	DYNLRB1	20	0.02783273	0.374312046	0.482735461
cg03553434	DYRK1A;DYR	21	0.00303012	0.79570445	0.896353051
cg12245706	DYSF;DYSF;D	2	0.00030197	0.33732722	0.595502521
cg14196395	DYSF;DYSF;D	2	0.00251006	0.370330562	0.57979661
cg01171786	DYSF;DYSF;D	2	0.03890911	0.288516676	0.446337606
cg14689456	DYSF;DYSF;D	2	0.02803426	0.575437347	0.701963228
cg00477086	DYSF;DYSF;D	2	0.00793491	0.143614976	0.247865156
cg22480875	E2F7	12	0.03166736	0.617776789	0.738380395
cg09172244	EBF1	5	0.0034179	0.325723634	0.55619392
cg11690724	EBF1	5	0.00107813	0.564770698	0.727530424
cg03774288	EBF3	10	0.00249428	0.308710957	0.491712342
cg20161275	EBF3	10	0.01348213	0.254643209	0.432034187
cg27417526	EBF3	10	0.0038042	0.550633468	0.719309141
cg23250262	EBF3	10	0.02420833	0.258221563	0.407195286
cg16093296	EBF3	10	0.02621259	0.701638236	0.835110544
cg12509733	EBF3	10	0.01889567	0.555177657	0.673449888
cg17245223	EBF3	10	0.00769848	0.183813924	0.301906785
cg11834658	ECE1;ECE1;E	1	0.00029687	0.502835997	0.640565917
cg13562122	ECE1;ECE1;E	1	0.0007985	0.353494897	0.536881987
cg24767131	ECEL1P2	2	0.00150188	0.28861779	0.429441795
cg02812891	ECEL1P2	2	0.00307718	0.301272579	0.426925149
cg13138089	ECEL1P2	2	0.00158143	0.409482447	0.531225302
cg21221557	EDIL3	5	0.00085003	0.536158834	0.75550352
cg16306043	EDIL3	5	0.00916855	0.225651376	0.390604102
cg24182107	EEF1DP3	13	0.03873108	0.60851967	0.728763896
cg00769112	EEF2	19	0.0146684	0.548611971	0.660736472
cg14644846	EEFSEC	3	0.01731606	0.150501404	0.252872513
cg05423018	EEPD1	7	5.39E-05	0.256728481	0.389776346
cg08079806	EFEMP2	11	0.01636294	0.627219506	0.727752527
cg18454133	EF3;EF3	14	0.00323826	0.223425714	0.399265852
cg16681436	EGFL8	6	0.00283459	0.197293735	0.343891324
cg00359087	EGFL8	6	0.00081283	0.422641283	0.568178
cg26785234	EGFL8	6	0.03454353	0.468089316	0.584677508
cg07754347	EGFL8	6	5.79E-05	0.786335905	0.888059597
cg27230140	EGFL8	6	0.00253886	0.57553876	0.676808733

cg26834504	EHBP1;EHBP	2	0.00376272	0.752113288	0.879940716
cg12017745	EHBP1L1	11	0.01048046	0.175653825	0.29902364
cg06154903	EHD1	11	0.00527353	0.269235962	0.382962642
cg23121787	EHD4	15	0.00431273	0.372841725	0.522891359
cg14064959	EHMT1	9	0.00050919	0.488873925	0.715254977
cg21195984	EHMT1	9	0.00074918	0.263110211	0.455423523
cg22810281	EHMT2;EHM	6	0.00637635	0.480717561	0.614123463
cg25853673	EHMT2;EHM	6	0.00097949	0.447750073	0.571537656
cg19770715	EHMT2;SLC4	6	6.53E-05	0.295717716	0.486271082
cg24493649	EHMT2;SLC4	6	0.0061569	0.201454927	0.37670929
cg24251448	EIF2C2;EIF2C	8	0.00042618	0.5510541	0.746946346
cg25922279	EIF2C2;EIF2C	8	0.00010095	0.479503894	0.672252287
cg18999451	EIF2C2;EIF2C	8	0.0232098	0.422837856	0.577558012
cg13582226	EIF2C2;EIF2C	8	0.00028063	0.49802686	0.64786151
cg15936375	EIF2C2;EIF2C	8	0.00041709	0.478169906	0.622992443
cg02911270	EIF2C2;EIF2C	8	0.00580368	0.507723673	0.650931175
cg07701049	EIF2C2;EIF2C	8	0.0013563	0.177599705	0.29628893
cg03172341	EIF2C2;EIF2C	8	0.00149959	0.639888294	0.755030047
cg10720646	EIF2C2;EIF2C	8	0.02718027	0.41838367	0.532773234
cg23119628	EIF2C2;EIF2C	8	0.04658725	0.290643152	0.392386155
cg11453190	EIF2S2	20	0.01667039	0.543275093	0.670784369
cg21301240	EIF3H	8	0.00331497	0.52457107	0.713905602
cg17887364	EIF4EBP1	8	0.00230751	0.225893402	0.431829626
cg18429196	EIF4H;EIF4H	7	0.001882	0.390302236	0.552463391
cg17868307	EIF4H;EIF4H	7	0.03777302	0.559107541	0.682693722
cg16450309	EIF5A2	3	0.00022984	0.286478001	0.441523935
cg12691679	ELF1	13	0.04666233	0.418141282	0.546387786
cg03940407	ELF2	4	0.04126857	0.471573228	0.640525072
cg16986578	ELF3;ELF3	1	0.00565241	0.171020628	0.304158546
cg05653018	ELF3;ELF3	1	0.00035703	0.110010752	0.241662702
cg07897871	ELF3;ELF3;EL	1	0.00012533	0.49722061	0.712378041
cg02076020	ELF3;ELF3;EL	1	0.00247399	0.314145448	0.505582387
cg26328757	ELF3;ELF3;EL	1	0.00323249	0.485487804	0.632726887
cg10631356	ELF5;ELF5	11	0.0307719	0.147464481	0.294099194
cg12967164	ELFN1	7	3.77E-05	0.305028624	0.489357984
cg08410691	ELFN1	7	0.00581964	0.441332572	0.548170977
cg26287309	ELFN2	22	0.00266938	0.377363815	0.489764359
cg08721338	ELMO3	16	0.01573592	0.236235618	0.368851968
cg06494642	ELMO3	16	0.00307609	0.197469529	0.311685512
cg07716847	ELMO3	16	0.00305538	0.142337479	0.248109786
cg22925553	ELMOD2	4	0.00921957	0.86324707	0.966338607
cg25729687	ELN;ELN;ELN	7	0.01557267	0.128020712	0.289775235
cg15983182	ELN;ELN;ELN	7	0.02017174	0.118874859	0.273044524
cg09777237	ELN;ELN;ELN	7	0.00215713	0.479157182	0.63179794
cg16867657	ELOVL2	6	0.00222642	0.247614743	0.367028848
cg17363943	ELOVL6;ELOV	4	0.01094236	0.20606304	0.373461895

cg13352306	EML3;ROM1	11	0.00030405	0.263616593	0.432702444
cg27178401	EMP2	16	0.02512915	0.183239732	0.284941486
cg18449135	EMP3	19	0.01551227	0.186804679	0.287641495
cg07790831	ENAH;ENAH	1	0.00969058	0.22176692	0.329147005
cg14055970	ENG;ENG	9	0.02654074	0.500319193	0.650742792
cg00807389	ENGASE	17	0.00446383	0.515493911	0.621687056
cg02865832	ENGASE	17	0.01355893	0.475827805	0.581332261
cg13777984	ENOX1;ENOX	13	0.02444089	0.174261015	0.371572509
cg00049892	ENPP1	6	0.00823037	0.398245599	0.611141086
cg18796704	ENPP1	6	0.01410653	0.136179104	0.284926602
cg19270309	ENPP7	17	0.00770748	0.293376087	0.419262781
cg05629774	EP400	12	0.00377309	0.462943561	0.599066573
cg27007356	EP400	12	0.00128046	0.584155329	0.708960455
cg09075307	EP400	12	0.00104901	0.644912049	0.756568309
cg02148800	EP400	12	0.00649647	0.478830345	0.587510923
cg00097800	EPAS1	2	0.02731808	0.341599764	0.51595764
cg12608132	EPAS1	2	0.00042464	0.247394072	0.402460918
cg13997788	EPAS1	2	0.00501233	0.298649143	0.452820403
cg10507988	EPAS1	2	0.03495988	0.442626121	0.551999526
cg22423984	EPB41L1	20	0.01491285	0.13817936	0.287803946
cg04599041	EPB41L2;EPB	6	0.01953977	0.479805976	0.612769653
cg06458086	EPB41L2;EPB	6	0.00042729	0.330697007	0.455802449
cg14090400	EPB41L3	18	0.02019759	0.636835624	0.803492429
cg23205365	EPB41L5	2	0.00247425	0.148880559	0.336238237
cg16678564	EPB49;EPB49	8	3.61E-05	0.396746027	0.582059157
cg10970614	EPC2	2	0.0032554	0.829627246	0.935083107
cg09176402	EPHA10	1	0.02187264	0.760085188	0.861096767
cg15517098	EPHA2	1	0.00710209	0.754811191	0.87153491
cg16448847	EPHB1	3	0.00653478	0.211940111	0.335988361
cg02974898	EPHB2;EPHB2	1	0.02769821	0.110312958	0.280400094
cg18156963	EPHB2;EPHB2	1	0.03656148	0.211208288	0.378975855
cg13694876	EPHB3	3	0.01965511	0.466598736	0.619776901
cg15334250	EPHB3	3	0.04564389	0.387973874	0.511320505
cg20438472	EPHB3	3	0.00210529	0.60816887	0.718458609
cg01888306	EPHB3	3	0.00760619	0.576371472	0.686577427
cg22493616	EPHB4	7	0.00078117	0.463855197	0.593058731
cg10350880	EPHB4	7	0.03591496	0.247920116	0.354253496
cg22303758	EPHX2	8	0.03323248	0.353416011	0.487644535
cg24315340	EPM2A;EPM2A	6	0.03746866	0.198399146	0.32775079
cg14173476	EPN2;EPN2;E	17	0.00054402	0.242557656	0.425703623
cg17742418	EPN2;EPN2;E	17	4.33E-05	0.655781341	0.798001475
cg25673598	EPN2;EPN2;E	17	0.00496621	0.15743081	0.292910548
cg16597993	EPS15L1	19	5.79E-05	0.214972496	0.370339748
cg03332546	EPS15L1	19	0.01697425	0.113041926	0.255616473
cg04587886	EPS8L2	11	7.44E-05	0.595918547	0.718584976
cg17649115	EPS8L2	11	0.00247934	0.779917119	0.884958177

cg06378010	ERC1;ERC1;E	12	0.04893011	0.229916055	0.362979598
cg17212420	ERCC2;ERCC2	19	0.01046589	0.565572151	0.731369163
cg08296903	ERCC4	16	0.04464119	0.225368341	0.346931236
cg21578987	ERG;ERG	21	0.03385347	0.250059444	0.41448994
cg14536431	ERG;ERG	21	0.02663255	0.109588558	0.260961661
cg15833565	ERI3	1	0.00107356	0.202717961	0.364411276
cg26393977	ERLIN2	8	0.00539244	0.409565097	0.516866671
cg02650323	ERLIN2;ERLIN	8	0.04132722	0.203616014	0.332193739
cg06193232	ERN1	17	0.00137786	0.216208735	0.400919016
cg06159484	ERRFI1	1	0.0010134	0.365880527	0.554134253
cg15676711	ERRFI1	1	0.01312149	0.457527222	0.580505447
cg25338972	ESR1	6	0.04485229	0.105322475	0.262051733
cg09646983	ESR1;ESR1	6	0.02550769	0.593079959	0.694093035
cg07455133	ESR1;ESR1;E	6	0.02229795	0.194908841	0.341494804
cg00944421	ESRP2	16	0.00130251	0.217660677	0.361906795
cg05212892	ESYT2	7	0.00064711	0.309736603	0.554325615
cg07600623	ESYT2	7	0.02204267	0.358891355	0.474045999
cg22289694	ETFA;ETFA	15	0.03300336	0.645962709	0.77801797
cg02119577	ETS2	21	0.0160284	0.275372463	0.397374845
cg16354756	ETV3;CYCSP5	1	0.01943353	0.518484669	0.632641215
cg06390643	ETV5	3	0.01614493	0.465177434	0.608843904
cg03609488	ETV6	12	0.02058512	0.114222865	0.216564503
cg07019303	ETV6	12	0.00613203	0.48495953	0.58727852
cg20143393	EVPL	17	0.02020228	0.690051889	0.795560657
cg26889659	EXOC2	6	0.00360008	0.168137736	0.335105659
cg08460580	EXOC2	6	0.00697048	0.608740001	0.732036203
cg08882547	EXOC3L2	19	0.00096158	0.178446585	0.326548049
cg12009516	EXOC3L2	19	0.00198166	0.249811628	0.395105809
cg09450024	EXOC3L2	19	0.00173032	0.163059809	0.306350182
cg00449767	EXOC3L2	19	0.00035687	0.288711947	0.403619486
cg14876077	EXOC3L2	19	0.00508215	0.223163594	0.334667829
cg01565314	EXOC3L2	19	0.00015308	0.179023148	0.286383982
cg13654884	EXOC6	10	0.01593079	0.59797084	0.708848912
cg13314863	EXOC6;EXOC	10	0.01296851	0.600621354	0.722063229
cg11309785	EXOC6B	2	0.0003561	0.240116273	0.477069974
cg22271457	EXT1	8	0.00068972	0.636222424	0.817792435
cg24892992	EXT1	8	0.0053542	0.471694678	0.647337647
cg00332126	EXT2;EXT2	11	0.01291694	0.231555983	0.373748306
cg07551677	EXTL3	8	0.00152272	0.673547182	0.820002931
cg00550493	EYS	6	0.00637775	0.181397878	0.344761725
cg01860271	EYS	6	0.03024261	0.684383138	0.785363532
cg16349616	EZR;EZR	6	0.00029265	0.624117788	0.727035385
cg18868540	F2	11	0.00195084	0.347381072	0.540613666
cg07387634	F3	1	0.01109657	0.206814466	0.309663099
cg26667735	FAAH	1	0.00078802	0.647579883	0.779374044
cg07168328	FAAH	1	0.00759687	0.299650874	0.420450194

cg05009047	FAM100A	16	0.04893011	0.662069585	0.767983541
cg18672389	FAM101A	12	0.00024762	0.313235187	0.576545088
cg14273093	FAM101A	12	0.00410846	0.292639926	0.482484257
cg18124134	FAM101A	12	0.00062273	0.687111034	0.809564466
cg05712979	FAM101A	12	0.00253806	0.507320548	0.62454466
cg01924493	FAM101A	12	0.03321432	0.637120027	0.739336979
cg13761284	FAM102A;FA	9	0.00030197	0.368844517	0.509776523
cg13692655	FAM102A;FA	9	0.00091886	0.3416669	0.470009943
cg08691577	FAM105B	5	0.00650967	0.207656736	0.365255309
cg12354318	FAM107B	10	0.01173077	0.25199315	0.377887031
cg03939371	FAM108A1;F	19	0.03206111	0.495685805	0.62132322
cg08608727	FAM109A	12	9.60E-05	0.567274182	0.679047892
cg21184699	FAM120A	9	0.00010867	0.669491075	0.817664262
cg06381463	FAM125B;FA	9	0.00025542	0.411654723	0.647628299
cg11970163	FAM129A	1	0.01619517	0.426811942	0.581642579
cg25182523	FAM129A	1	0.01172301	0.352169401	0.486286823
cg21279326	FAM129A	1	0.03703531	0.808825014	0.927769721
cg21169267	FAM129B;FA	9	0.00091576	0.365745209	0.526540004
cg06712722	FAM129B;FA	9	0.027169	0.467733325	0.598529288
cg14408339	FAM129B;FA	9	0.00205146	0.247928076	0.353120148
cg17156402	FAM131C	1	0.00014848	0.530797585	0.678353686
cg07302959	FAM133B;FA	7	0.01570078	0.725332191	0.831289853
cg19063834	FAM134B;FA	5	0.0224437	0.164549526	0.283039397
cg13782092	FAM13A;FAM	4	0.00305069	0.499554028	0.689954757
cg09717352	FAM13A;FAM	4	0.02671807	0.725973689	0.833574107
cg04860977	FAM155A	13	0.0022313	0.354042498	0.587984588
cg26215399	FAM160B2	8	0.00176071	0.372163302	0.547964268
cg03520938	FAM160B2	8	0.00406408	0.241250211	0.352095862
cg06551905	FAM167A	8	0.01302227	0.13285775	0.243931091
cg21155609	FAM167B	1	0.00207283	0.335669882	0.4661894
cg16495818	FAM168A	11	0.04833217	0.227339428	0.334824472
cg04939326	FAM168A	11	0.0374137	0.461312956	0.565757536
cg11452043	FAM168B	2	0.00093863	0.401827739	0.597976421
cg01245667	FAM169B	15	0.01292714	0.267400923	0.444584559
cg16512990	FAM170B	10	0.02362539	0.418157958	0.540355676
cg12771178	FAM170B	10	0.00240122	0.165921585	0.28730871
cg27406618	FAM170B;FA	10	0.00350976	0.244264427	0.398746179
cg18649133	FAM172A;FA	5	0.0115552	0.712466997	0.870067767
cg01948367	FAM172A;FA	5	0.03111173	0.626829328	0.73495212
cg16720807	FAM176A;FA	2	0.00691318	0.7206179	0.8654972
cg22810403	FAM176B	1	0.00512577	0.682930574	0.80492863
cg18665384	FAM177B	1	0.00868275	0.291233769	0.457546868
cg05368724	FAM178B;FA	2	0.0005899	0.35024088	0.517485891
cg26108017	FAM178B;FA	2	9.83E-05	0.445171701	0.562043214
cg05557262	FAM180A	7	0.00628018	0.648850079	0.759336226
cg00005619	FAM180B	11	0.00100406	0.253730189	0.4111046804

cg24657419	FAM184A;FA	6	0.0023772	0.56613694	0.708687396
cg09608383	FAM189A1	15	0.00917499	0.684696041	0.811414344
cg26952618	FAM18A;FAN	16	0.0029475	0.15235248	0.264826019
cg03309770	FAM18A;FAN	16	0.00108886	0.150109281	0.258628223
cg12801917	FAM18B2	17	0.00011374	0.247104265	0.387646932
cg11117908	FAM190A	4	0.03333689	0.534513377	0.646332336
cg25790133	FAM193A	4	0.00061419	0.275443757	0.546329817
cg05949640	FAM193A	4	0.00591777	0.301740875	0.488099911
cg26981170	FAM193A	4	0.02171015	0.244652342	0.399224665
cg05083414	FAM193A	4	0.01004736	0.227180537	0.375231069
cg22980079	FAM193A	4	0.00229327	0.624923962	0.734893521
cg20163033	FAM193A;FA	4	5.22E-05	0.617705022	0.765719227
cg05883695	FAM198A	3	0.00480302	0.215141274	0.323340601
cg16716189	FAM19A3;FA	1	0.00023272	0.307542972	0.429885164
cg15187790	FAM19A5	22	0.02439117	0.19217894	0.31437392
cg19579080	FAM20A	17	0.04488634	0.223890206	0.37467988
cg08728302	FAM20C	7	0.00048323	0.300399645	0.572283393
cg25929664	FAM20C	7	0.00092129	0.197857803	0.401908549
cg27640234	FAM20C	7	0.00189686	0.472221774	0.652238122
cg24286414	FAM20C	7	0.00146722	0.518975156	0.683780122
cg26983907	FAM20C	7	0.01871993	0.310052679	0.468060636
cg23782833	FAM20C	7	0.00053355	0.276249746	0.432588056
cg05031931	FAM20C	7	0.01283934	0.159212546	0.306934626
cg18234533	FAM20C	7	0.00025542	0.381612074	0.528810074
cg04256674	FAM20C	7	0.00304605	0.665031061	0.811876695
cg00308560	FAM20C	7	0.00041553	0.204725184	0.349445293
cg12748511	FAM20C	7	0.00283856	0.14029888	0.284536995
cg19476741	FAM20C	7	0.00043237	0.188842933	0.332183867
cg11200568	FAM20C	7	0.00034531	0.272328613	0.415257857
cg19104757	FAM20C	7	0.00071142	0.244980403	0.382181937
cg08616667	FAM20C	7	0.00286201	0.152473354	0.281868282
cg20949644	FAM20C	7	0.00256908	0.421300163	0.545404724
cg00640479	FAM20C	7	0.01610703	0.400407372	0.51689684
cg12012581	FAM20C	7	0.00190568	0.16139718	0.27322141
cg09630706	FAM20C	7	0.00188252	0.135444102	0.243708663
cg19619414	FAM20C	7	0.00235505	0.156971108	0.263032003
cg15683166	FAM24B	10	0.00167193	0.292847143	0.488522935
cg16351002	FAM24B	10	0.00064932	0.321223199	0.444753348
cg03283421	FAM24B	10	0.0254833	0.156207585	0.278551701
cg24248680	FAM24B	10	0.02041879	0.550504337	0.661018585
cg27539806	FAM38A	16	0.00077889	0.440188777	0.636798025
cg06751612	FAM38A	16	0.00144872	0.435916184	0.57799012
cg26828643	FAM38A	16	0.00308431	0.396335682	0.532600788
cg09848947	FAM38A	16	0.00294736	0.236217004	0.366604451
cg16641055	FAM38A	16	0.00044198	0.29540489	0.401231747
cg27630153	FAM38A	16	0.02825258	0.535803393	0.641188801

cg06855137	FAM38A	16	0.0013379	0.249104342	0.353878752
cg15648792	FAM38B	18	0.00223227	0.329216152	0.497250673
cg27552711	FAM46B	1	0.00011155	0.268717092	0.395093981
cg00626702	FAM53A	4	0.00325787	0.181961549	0.322106657
cg19975346	FAM53B	10	0.00023669	0.276780301	0.488140008
cg26725552	FAM53B	10	0.03333772	0.682098537	0.83264799
cg24377826	FAM53B	10	0.00643729	0.100272538	0.206291426
cg22223402	FAM55D;FAM	11	0.00544249	0.394307379	0.537367519
cg01045946	FAM63A;PRL	1	0.00566951	0.429761747	0.555401002
cg01872947	FAM65A	16	0.00675259	0.207957154	0.354408375
cg11407681	FAM78B	1	0.00091291	0.156068027	0.28318722
cg22248750	FAM82A1	2	0.01607913	0.155069939	0.356637592
cg02606596	FAM82A2	15	0.00283463	0.689524834	0.83568374
cg21217092	FAM82A2	15	0.00449277	0.69701115	0.800719211
cg15217784	FAM83B	6	0.04193261	0.281597326	0.384682011
cg00846121	FAM83E	19	0.00367951	0.207920593	0.359452974
cg13791971	FANCC	9	0.01590497	0.325493839	0.455061661
cg12798052	FANCE	6	0.04920939	0.726745874	0.838347209
cg15168958	FARP1	13	0.00067158	0.349236617	0.555267174
cg20750642	FARP1	13	0.00135329	0.157555257	0.341399135
cg17380943	FARP1	13	0.00464266	0.453162801	0.611593193
cg02183491	FARP1	13	0.00888148	0.127034098	0.243718412
cg11829616	FARP1	13	0.03542404	0.474183474	0.590555566
cg16450249	FARP1;FARP1	13	0.0091327	0.145630896	0.280573314
cg19832331	FARP1;FARP1	13	0.02637962	0.671243363	0.789990642
cg06450397	FAS;FAS;FAS;	10	0.00312839	0.466306249	0.681937109
cg27131953	FASTK;TMUB	7	0.00140413	0.256389659	0.376898751
cg10702041	FASTK;TMUB	7	0.00498265	0.324601537	0.443995701
cg08070200	FAT1	4	0.04130279	0.338237747	0.510354364
cg27661793	FAT1	4	0.00652965	0.173246338	0.343972219
cg01880399	FAT1	4	0.03922042	0.350810631	0.509482229
cg23334660	FAT1	4	0.01148478	0.101731425	0.244145965
cg20656964	FAT1	4	0.01239525	0.55565266	0.671981476
cg00290101	FAT3	11	0.00229712	0.630472458	0.734722842
cg18183817	FBLN2;FBLN2	3	0.00142463	0.724833649	0.842924418
cg00498816	FBLN2;FBLN2	3	0.00599492	0.720704593	0.82908686
cg04956944	FBLN7;FBLN7	2	0.00016424	0.405649494	0.624692023
cg14549078	FBN1	15	0.02689494	0.14574032	0.294486881
cg06068085	FBN2	5	0.02304947	0.565210626	0.726300636
cg04093645	FBN2	5	0.03301683	0.242411356	0.360195013
cg25750363	FBRSL1	12	0.00364365	0.209638089	0.477176729
cg24621258	FBRSL1	12	0.01022347	0.182413412	0.400232777
cg24462656	FBRSL1	12	0.00459395	0.149731542	0.339920801
cg20664313	FBRSL1	12	0.00050073	0.404942358	0.557223916
cg19510206	FBRSL1	12	0.0031185	0.543439036	0.682980469
cg00960772	FBRSL1	12	0.00401725	0.334313323	0.463489764

cg22044630	FBRSL1	12	0.00038114	0.530183618	0.636207555
cg03378525	FBXL18	7	8.60E-05	0.483268382	0.607732792
cg27041868	FBXL18	7	0.02281776	0.581787285	0.700113558
cg04653928	FBXL19	16	0.00876901	0.551624194	0.660606067
cg04220072	FBXL19	16	0.00899022	0.615868988	0.718873842
cg07599144	FBXL19;ORAI	16	0.00854462	0.175763111	0.303477778
cg01149929	FBXL7	5	0.03996539	0.549216877	0.657920277
cg02160692	FBXO11;FBXC	2	0.00933768	0.723328688	0.829602449
cg12219469	FBXO18;FBXC	10	0.01752669	0.590079526	0.705613435
cg24878594	FBXO2	1	0.00378412	0.15953626	0.264078336
cg19256813	FBXO21;FBXC	12	0.00240163	0.136453163	0.292882087
cg26470309	FBXO21;FBXC	12	0.02397374	0.327449078	0.448502764
cg02312706	FBXO31;FBXC	16	0.00313139	0.289216415	0.472761659
cg21918313	FBXO41	2	0.00143987	0.226008526	0.366350013
cg26829322	FBXO44;FBXC	1	0.00074	0.324330302	0.507754782
cg05796704	FBXO44;FBXC	1	0.0003023	0.141811468	0.290766086
cg04708391	FBXO8	4	0.00435552	0.731486276	0.859411697
cg10523001	FBXW11;FBX	5	0.00551546	0.307139829	0.521935083
cg23985408	FBXW11;FBX	5	0.02117189	0.329590726	0.49586625
cg08361180	FBXW4	10	0.01376109	0.12821767	0.314169121
cg27371456	FBXW4	10	0.0184521	0.144502681	0.324754417
cg07050611	FBXW8;FBXV	12	0.00282974	0.444847113	0.616577762
cg17860133	FBXW8;FBXV	12	0.00129139	0.597759012	0.740619519
cg22942846	FCGR2B;FCGI	1	0.00037978	0.276057222	0.464456976
cg17467108	FCHSD2	11	0.00171446	0.521478291	0.670281844
cg24496021	FCHSD2	11	0.01266835	0.493923405	0.642267911
cg26549860	FCHSD2	11	0.02671736	0.372826057	0.519559465
cg20577477	FDFT1	8	0.00305422	0.508743141	0.673779579
cg06979924	FDPS;FDPS;FI	1	0.01186504	0.217137009	0.339918638
cg26827653	FEZ1;FEZ1	11	0.00170365	0.242655542	0.365966012
cg07541160	FGD2	6	0.00306503	0.159355278	0.264676117
cg09718347	FGD5	3	0.01229374	0.484970045	0.632487571
cg05173159	FGD6	12	0.00479718	0.530976986	0.644588857
cg20684197	FGF1;FGF1;FI	5	0.00795469	0.278125429	0.486682818
cg19445684	FGF1;FGF1;FI	5	0.0022721	0.223968166	0.337359804
cg21619138	FGF1;FGF1;FI	5	0.00871268	0.116934943	0.289532705
cg02406096	FGF1;FGF1;FI	5	0.00896413	0.210319411	0.352092306
cg12810152	FGF1;FGF1;FI	5	0.00293746	0.784048273	0.892835571
cg20602244	FGF14	13	0.02696541	0.715759676	0.817060598
cg19576738	FGF2	4	0.03111938	0.148017281	0.30203666
cg14703482	FGF2	4	0.0119636	0.12915281	0.282293399
cg26955980	FGF9	13	0.00985044	0.568020536	0.697536301
cg17091967	FGFBP1	4	0.00461401	0.344346578	0.49727119
cg27653103	FGFR1;FGFR1	8	0.01539186	0.132500361	0.318263318
cg12226006	FGFR2;FGFR2	10	0.00220544	0.280973435	0.540792306
cg25294906	FGFR2;FGFR2	10	0.00048831	0.382094965	0.588514003

cg03552039	FGFR2;FGFR2	10	0.00139778	0.308007298	0.481501492
cg20277356	FGFR2;FGFR2	10	0.02712434	0.292880524	0.465795458
cg10280007	FGFR2;FGFR2	10	0.033075	0.264795199	0.428379048
cg14834653	FGFR2;FGFR2	10	0.0175541	0.244431104	0.406696607
cg13734061	FGFR2;FGFR2	10	0.01744334	0.559973179	0.707380362
cg13175830	FGFR2;FGFR2	10	0.0228628	0.129624118	0.272851117
cg17337672	FGFR2;FGFR2	10	0.00918369	0.359029654	0.478604968
cg10314760	FGFR2;FGFR2	10	0.03407444	0.325825961	0.515942537
cg10362842	FGFR2;FGFR2	10	0.00751459	0.359731095	0.486019124
cg00730832	FGFR2;FGFR2	10	0.00645438	0.182878409	0.370822272
cg17997363	FGFR2;FGFR2	10	0.00400545	0.213990887	0.368048326
cg10788901	FGFR2;FGFR2	10	0.00838658	0.226190091	0.328113482
cg21311834	FGFR3;FGFR3	4	0.00170818	0.269728255	0.527719885
cg08145949	FGFR3;FGFR3	4	0.00014697	0.306266407	0.528245166
cg15697036	FGFR3;FGFR3	4	0.00033097	0.393091608	0.580804891
cg03262295	FGFR3;FGFR3	4	0.02341656	0.771355204	0.90210097
cg02137691	FGFR3;FGFR3	4	0.00785242	0.392883558	0.5146998
cg18229134	FGFR4;FGFR4	5	0.00507162	0.458969216	0.623341703
cg04849878	FGFR4;FGFR4	5	0.00609971	0.397406344	0.520905657
cg14869372	FGFRL1;FGFR	4	0.0010134	0.42038985	0.64583812
cg02826685	FGFRL1;FGFR	4	0.00012656	0.58376127	0.772100768
cg18699025	FGFRL1;FGFR	4	0.00152272	0.198473842	0.34704631
cg14724492	FGFRL1;FGFR	4	0.0010018	0.456325216	0.603814869
cg08521859	FGFRL1;FGFR	4	0.0034389	0.184296979	0.329181414
cg11411884	FGFRL1;FGFR	4	0.01136949	0.576977068	0.718363883
cg07727358	FGFRL1;FGFR	4	0.00123238	0.428435433	0.550812587
cg02014217	FGFRL1;FGFR	4	0.00149795	0.494585359	0.616024158
cg00160522	FGFRL1;FGFR	4	0.0001963	0.500654881	0.618595623
cg03414932	FGFRL1;FGFR	4	0.00542799	0.182551502	0.299313539
cg06839424	FGFRL1;FGFR	4	0.00015759	0.415293109	0.530312446
cg04145890	FGFRL1;FGFR	4	0.00279548	0.182948591	0.295838815
cg16398581	FGGY;FGGY	1	0.02423124	0.240928519	0.373152321
cg15594444	FGGY;FGGY	1	0.04418248	0.528872695	0.641035607
cg23167456	FGR;FGR;FGF	1	0.00081566	0.652407383	0.76977066
cg13184177	FGR;FGR;FGF	1	0.00378545	0.519625254	0.635577817
cg01783051	FH	1	0.00074104	0.521267215	0.656800153
cg14160480	FHAD1	1	0.03886736	0.11390285	0.261614795
cg11815980	FHIT;FHIT	3	0.0222326	0.493969733	0.632948603
cg16503279	FHOD1	16	0.02507998	0.2493092	0.368676675
cg18262801	FHOD1	16	0.04488849	0.360269985	0.478592538
cg03050473	FIGNL1;FIGN	7	0.00730765	0.759585147	0.897540521
cg02741811	FIGNL1;FIGN	7	0.01652217	0.78145449	0.885464301
cg19977232	FIP1L1;FIP1L	4	0.00158086	0.677801588	0.798418918
cg06429887	FITM1	14	0.01411881	0.183925613	0.288161919
cg19226017	FKBP5;LOC28	6	0.02474186	0.309399245	0.495532664
cg07702311	FLI1;FLI1	11	0.01009134	0.468196164	0.627077371

cg27390009	FLII	17	0.00059056	0.312134303	0.435609193
cg09922349	FLII	17	0.00018505	0.683385679	0.79496154
cg01048349	FLJ10357	14	0.00434474	0.326054958	0.46083023
cg26926497	FLJ22536	6	0.01345018	0.150539524	0.321361091
cg22800743	FLJ22536	6	0.03083056	0.188918924	0.346914531
cg15541384	FLJ22536	6	0.03583406	0.219596194	0.326459088
cg08373323	FLJ32810	11	0.00300318	0.249165861	0.47654772
cg14192935	FLJ35024	9	0.00446716	0.146545762	0.267173169
cg14761417	FLJ43663;FLJ	7	0.00145834	0.366214872	0.57735033
cg11850276	FLJ44606;FLJ	5	0.02342458	0.612369729	0.722745704
cg03243768	FLJ46111	11	0.00815301	0.767366118	0.903316861
cg05116002	FLNB;FLNB;FL	3	0.01113153	0.231450833	0.377611587
cg01869548	FLYWCH2;FL	16	0.00316342	0.455710576	0.60385133
cg17802486	FMN1	15	0.00870659	0.116434435	0.331976654
cg13068215	FMN2	1	0.04255478	0.175676423	0.309404372
cg21617353	FMNL1	17	0.00219969	0.30454503	0.498002356
cg20408776	FMNL1	17	0.00264642	0.256520131	0.44482922
cg19735250	FMNL1	17	0.00133518	0.25948419	0.444025692
cg15194531	FMNL1	17	0.00139817	0.341818842	0.46504644
cg06343233	FMNL2	2	0.00038103	0.31340195	0.554435014
cg15705810	FMNL2	2	0.01161015	0.183132548	0.384596952
cg26207245	FMNL2	2	0.02692038	0.476323142	0.660925113
cg21860045	FMNL2	2	0.00308431	0.566767839	0.750396671
cg11173609	FMNL2	2	0.03886472	0.380909189	0.543219889
cg16034517	FMO1	1	0.03789589	0.123258103	0.298067261
cg13081014	FMO1	1	0.03719363	0.320003166	0.420483709
cg12495731	FN3K	17	4.66E-05	0.456827496	0.714548042
cg12202228	FNDC3B;FND	3	0.01534992	0.346936605	0.533125576
cg00000109	FNDC3B;FND	3	0.01135229	0.299180043	0.483752372
cg26334671	FNDC3B;FND	3	0.01828038	0.336051458	0.514778771
cg08495617	FNDC3B;FND	3	0.0292433	0.434896863	0.586271732
cg00360324	FNDC4	2	0.00164057	0.689245467	0.80991345
cg03976754	FNDC5	1	0.006918	0.41449763	0.514863264
cg07630327	FNIP1;FNIP1	5	0.01566012	0.167813605	0.284901739
cg15418509	FOLR1;FOLR1	11	0.01524012	0.477406755	0.586086491
cg16155858	FOSL2	2	0.00538325	0.311672757	0.417250136
cg11244091	FOXA3	19	0.01554364	0.3930299	0.514364804
cg12284789	FOXJ1	17	0.00022303	0.354179782	0.458860204
cg11931953	FOXK1	7	0.00151459	0.627771469	0.819652958
cg06114605	FOXK1	7	0.01544883	0.458735062	0.63222226
cg05237718	FOXK1	7	0.00026569	0.42461669	0.576888893
cg22581896	FOXK1	7	0.0265214	0.483907352	0.630750922
cg23318967	FOXK1	7	0.00577668	0.386180812	0.527109226
cg05066096	FOXK1	7	0.0210383	0.479738262	0.614103156
cg27496570	FOXK1	7	0.00353101	0.534122303	0.640675603
cg06114987	FOXL1	16	0.00173908	0.591772997	0.765296418

cg20921751	FOXN2	2	0.00465497	0.552828228	0.740012741
cg14113778	FOXN3	14	0.00041989	0.728335924	0.856722222
cg24714561	FOXN3	14	0.01985488	0.578245465	0.683033653
cg18359596	FOXN3;FOXN	14	0.01232798	0.602704023	0.743601993
cg01838853	FOXN4	12	0.00016369	0.225421441	0.380701856
cg19484481	FOXO3;FOXC	6	0.00063227	0.371317495	0.631075484
cg15472885	FOXP1	3	0.02898967	0.233632324	0.384326862
cg00201568	FOXP1	3	0.02075616	0.527483452	0.658672793
cg15963983	FOXP1	3	0.04552246	0.505613137	0.633631688
cg21487363	FOXP1;FOXP	3	0.0055701	0.695103886	0.796856965
cg20050108	FOXP2;FOXP	7	0.00805535	0.585687947	0.720795581
cg18871253	FOXP2;FOXP	7	0.02853933	0.205025788	0.360309763
cg07588430	FOXP4;FOXP	6	0.00066183	0.537561494	0.697547561
cg23867085	FOXP4;FOXP	6	0.01873649	0.220541506	0.373842478
cg03127034	FOXP4;FOXP	6	0.00023669	0.561753522	0.696175715
cg11177740	FOXP4;FOXP	6	0.00109287	0.216828817	0.347837734
cg03510041	FOXP4;FOXP	6	0.02079217	0.245872309	0.37173116
cg14615192	FOXP4;FOXP	6	0.02077687	0.36951004	0.494005782
cg10719970	FOXP4;FOXP	6	0.00920837	0.40202541	0.510487644
cg17631429	FOXS1	20	0.00185834	0.570793636	0.788124181
cg15237820	FRAS1;FRAS1	4	0.00104901	0.423285511	0.644432968
cg21713614	FRAS1;FRAS1	4	0.00221375	0.218211224	0.32600199
cg21243750	FREM1	9	0.00459939	0.44647767	0.569663714
cg13426351	FREQ	9	0.01244501	0.429603902	0.581270609
cg07509364	FRG1B	20	0.01982578	0.629653222	0.76995803
cg06127202	FRK	6	0.00894899	0.229186263	0.380901294
cg00430287	FRK	6	0.01534992	0.109635663	0.221565459
cg11813497	FRMD4A	10	0.00279035	0.248733468	0.422415175
cg26334209	FRMD4A	10	0.0019705	0.475504383	0.629303408
cg25344406	FRMD4A	10	0.03347989	0.090677794	0.204941753
cg24008634	FRMD4A	10	0.031656	0.492624889	0.605909283
cg09505746	FRMD4A	10	0.04258807	0.323375845	0.428781679
cg00468670	FRMD4B	3	0.02130183	0.085018466	0.197563776
cg05104995	FRMPD2;FRM	10	0.00067935	0.499538015	0.63040886
cg18937934	FRY	13	0.04731212	0.5997625	0.704339774
cg10374564	FRYL	4	0.02492888	0.400309257	0.54020897
cg01735082	FRZB	2	0.00302187	0.290507102	0.402489305
cg13087761	FSCN1	7	0.00040167	0.1722949	0.423289606
cg09188385	FSCN1	7	0.00069592	0.188713166	0.385625796
cg06969129	FSCN1	7	0.00983727	0.288373447	0.425819892
cg04952186	FSCN1	7	0.00829469	0.170062085	0.27201235
cg01512532	FSCN2;FSCN	17	0.00384939	0.235506802	0.401032581
cg18919720	FSCN2;FSCN	17	0.00036501	0.176493864	0.305038397
cg13694281	FSCN2;FSCN	17	0.04573699	0.62882693	0.734511549
cg23164850	FSCN2;FSCN	17	0.0013563	0.305331405	0.407630792
cg25902889	FSD1	19	0.0083029	0.132646215	0.249350161

cg26166170	FSIP1	15	0.01116047	0.565794798	0.677759264
cg07352158	FSTL1	3	0.04959838	0.652017801	0.754736013
cg27377632	FSTL3	19	0.01396978	0.220703887	0.327427983
cg25322094	FSTL4	5	0.02454111	0.549767247	0.698135743
cg12075901	FURIN	15	0.00019723	0.696969884	0.84934396
cg14231966	FURIN	15	0.00429162	0.345255757	0.463208417
cg08873673	FUT2;FUT2	19	0.00723982	0.294429235	0.405167359
cg24256772	FUT4	11	0.00394102	0.53555293	0.67090674
cg08863777	FUT4	11	0.00028216	0.216457817	0.332944341
cg18554976	FXYD1;FXYD1	19	0.00286981	0.309119336	0.480905275
cg22335223	FXYD2	11	0.00331135	0.353764108	0.470978435
cg07170302	FXYD2;FXYD2	11	0.01892162	0.164722639	0.270964367
cg00480115	FXYD3;FXYD3	19	0.00102552	0.219462387	0.435290586
cg21304163	FXYD3;FXYD3	19	0.00139353	0.654899873	0.760891711
cg02633817	FXYD3;FXYD3	19	0.00411559	0.127485359	0.244828693
cg12055183	FXYD5;FXYD5	19	0.02737122	0.643958995	0.748110819
cg14848289	FXYD6;FXYD6	11	0.00671632	0.2519568	0.427648963
cg00161459	FZD6;FZD6;F	8	0.01587606	0.555871275	0.709852838
cg02906915	FZD8;FZD8	10	0.04390582	0.126727076	0.289316742
cg03009240	FZR1	19	0.00045865	0.179618798	0.363642824
cg25742761	GAB1;GAB1	4	0.01800327	0.541142331	0.687811735
cg14142817	GAB1;GAB1	4	0.00108523	0.667437258	0.806289543
cg06704469	GABRR1	6	0.035748	0.44415464	0.574083663
cg18105179	GAL3ST2	2	0.0034206	0.684594527	0.800130563
cg21523719	GALE;GALE	1	0.00260955	0.326672404	0.477662296
cg10961323	GALE;GALE	1	0.00713579	0.223234889	0.348028512
cg13780614	GALK2;GALK2	15	0.03034423	0.565620387	0.674747028
cg08466889	GALNS	16	0.00118043	0.453673582	0.624665573
cg09308897	GALNS	16	0.00037711	0.360181455	0.525316042
cg08894593	GALNS	16	0.04244635	0.140784654	0.283902338
cg06062279	GALNS	16	0.00121732	0.534451012	0.63764811
cg00563858	GALNT10	5	0.00015494	0.323931855	0.562488485
cg14968553	GALNT10	5	0.00141404	0.493189019	0.667804781
cg15817769	GALNT2	1	0.01805573	0.253610775	0.447263055
cg26525772	GALNT2	1	0.03115886	0.349564344	0.530243442
cg16698674	GALNT2	1	0.01665941	0.327183546	0.498594216
cg17954142	GALNT2	1	0.00420732	0.375608309	0.512300458
cg12526197	GALNT2	1	0.00044351	0.235288265	0.352310015
cg00245075	GALNT6	12	0.00173908	0.154122689	0.278721641
cg05410536	GALNTL1;GA	14	0.00672071	0.095714966	0.201434232
cg15438014	GALNTL2	3	0.02192945	0.609254637	0.734193053
cg05527856	GALNTL4	11	0.0017168	0.213945472	0.409644826
cg15094908	GALNTL4	11	0.00688115	0.156473956	0.340628817
cg23678274	GALNTL4	11	0.04830176	0.10787338	0.241702642
cg03299336	GALNTL4	11	0.00777701	0.539439037	0.65200198
cg25451660	GALNTL4	11	0.01585199	0.108095181	0.2159614

cg17679980	GAS2;GAS2;C	11	0.00650129	0.683579401	0.818435982
cg08102611	GAS7	17	0.04160664	0.331379302	0.488210371
cg21089050	GAS7	17	9.12E-05	0.670458694	0.818073985
cg10296867	GAS7	17	0.00078095	0.694283954	0.818923896
cg10237765	GAS7;GAS7;C	17	0.03027531	0.411876697	0.530846527
cg10089865	GATA3;GATA	10	0.00377937	0.538146605	0.751153536
cg25209111	GBF1	10	0.03135851	0.287063171	0.408017842
cg12105183	GBP6	1	0.00057103	0.419398755	0.596559095
cg01779116	GCA	2	0.0028186	0.768166818	0.896814992
cg11817650	GCH1;GCH1;C	14	0.04816921	0.294154444	0.453794174
cg26992186	GCK	7	0.00791268	0.139597258	0.250375265
cg02868790	GCLC	6	0.00462227	0.343497551	0.569433259
cg17240133	GCOM1;GCO	15	0.01343519	0.451348524	0.553901184
cg02704931	GCOM1;GRIN	15	0.02119285	0.473389907	0.58261825
cg20546778	GDAP1;GDAF	8	0.03189023	0.248051971	0.393753119
cg12433084	GDF10	10	0.00344835	0.186944962	0.326369242
cg13565300	GDF10	10	0.00790829	0.181827512	0.302910211
cg19239052	GDF10	10	0.00027715	0.236778585	0.345018172
cg08062713	GDF5	20	0.00125005	0.615264932	0.83143728
cg17417496	GDF5	20	5.69E-05	0.660940677	0.788199223
cg10431651	GDF5	20	0.00126315	0.256509458	0.380328143
cg20226253	GDF5	20	0.00590399	0.25513853	0.378323662
cg05567631	GDPD5	11	0.0010513	0.403536309	0.545515955
cg11211563	GEFT;GEFT	12	0.00697742	0.328313229	0.452597643
cg22610645	GEFT;GEFT	12	0.00105011	0.258742683	0.379361776
cg15409097	GEFT;GEFT	12	0.01341478	0.161969601	0.276095231
cg22885024	GEM;GEM	8	0.01220547	0.130586158	0.239959892
cg18383668	GEMIN7;GEM	19	0.00033097	0.218045788	0.369757708
cg03383006	GFAP;GFAP	17	5.22E-05	0.37647544	0.53766066
cg01769243	GFAP;GFAP	17	0.000313	0.307925703	0.445719066
cg09639715	GFAP;GFAP	17	0.00305099	0.198893438	0.323970347
cg18316974	GFI1;GFI1;GF	1	0.0008256	0.196020058	0.327446027
cg18146737	GFI1;GFI1;GF	1	0.00052979	0.214645745	0.339436973
cg00318322	GFOD2;GFOL	16	0.00684943	0.535672815	0.666503647
cg06845268	GFPT1	2	0.02245484	0.53610737	0.680376454
cg07591442	GFPT1	2	0.0262525	0.594383259	0.703537419
cg26338723	GFRA1;GFRA	10	0.00023272	0.417410924	0.57011647
cg20626616	GHRL;GHRL;C	3	0.01954521	0.435619131	0.611241932
cg08489410	GHRL;GHRL;C	3	0.00114323	0.43239094	0.668745681
cg11030744	GHRL;GHRL;C	3	0.00286657	0.453400099	0.681066772
cg07871024	GHRL;GHRL;C	3	0.00425472	0.636279044	0.755941159
cg26970800	GIF	11	0.00688952	0.480563725	0.590972195
cg01563502	GIGYF1	7	0.00097801	0.621952019	0.776691904
cg12145783	GIGYF1	7	0.00444573	0.400897067	0.506440089
cg14528319	GIPC1;GIPC1	19	0.00049889	0.168439077	0.300455719
cg13320842	GIPR	19	0.00732884	0.154331697	0.357232993

cg17337670	GIT2;GIT2;GI	12	0.02321328	0.556375602	0.664906647
cg03650119	GJC2	1	0.00199572	0.306532585	0.451075442
cg09257635	GJC2	1	0.00156854	0.189421819	0.325380395
cg10950111	GJC2	1	0.01086228	0.299016964	0.410797611
cg22844623	GJC2;GUK1;C	1	0.00132552	0.373809066	0.493462833
cg05930207	GJD3;GJD3	17	0.03618258	0.479294598	0.604086938
cg15868183	GLB1L2	11	0.00205706	0.200361938	0.314452209
cg07501052	GLB1L2	11	0.01459084	0.53516298	0.6434863
cg02774705	GLI2	2	1.50E-05	0.39734608	0.685464504
cg01791238	GLI2	2	0.00401309	0.236144359	0.427743631
cg14773228	GLI2	2	0.01025613	0.618907568	0.778596017
cg11791452	GLI2	2	0.00318189	0.185346176	0.333345442
cg21133992	GLI2	2	0.00281769	0.228636271	0.369436093
cg18843856	GLI2	2	0.00200411	0.1867518	0.31616207
cg05403744	GLI2	2	0.02845482	0.576570635	0.69838871
cg10310616	GLI2	2	0.01316248	0.407104986	0.522179399
cg15078211	GLI3	7	0.00709266	0.279705642	0.498628744
cg10120778	GLI3	7	0.00412884	0.37747637	0.595303976
cg00842259	GLI3	7	0.00260757	0.407377295	0.586112225
cg09008589	GLI3	7	0.01745316	0.145394605	0.32131787
cg01094108	GLI3	7	0.0376999	0.605319551	0.757006598
cg24079811	GLI3	7	0.00360208	0.3063092	0.409316595
cg21466107	GLI3	7	0.00117879	0.548968594	0.651199131
cg14825413	GLI4	8	0.0025767	0.192280382	0.362643313
cg22857963	GLI4	8	0.00133255	0.132913821	0.302211048
cg24510518	GLI4	8	0.00325225	0.223530888	0.339426692
cg27311970	GLIS1	1	0.01098767	0.226280507	0.409363881
cg05040219	GLIS1	1	0.01107158	0.234817753	0.351203375
cg05052407	GLIS2	16	6.07E-05	0.298815875	0.490461972
cg04694492	GLIS2	16	0.00050349	0.277963192	0.466204097
cg08602528	GLIS2	16	0.00148332	0.352168142	0.469225314
cg14590902	GLT1D1	12	0.01560033	0.565113201	0.697359305
cg26736878	GLT25D1	19	0.00328298	0.36010716	0.524389018
cg25605307	GLT25D2	1	0.03770783	0.345191468	0.49641274
cg03704673	GLTPD2;GLTF	17	0.00038663	0.32304781	0.495922644
cg16762849	GMDS	6	0.00059935	0.266354425	0.519477821
cg01465824	GMDS	6	0.02275534	0.160488777	0.332322945
cg07515565	GMDS	6	0.00212384	0.229950093	0.394057514
cg13394216	GMDS	6	0.00888148	0.275942429	0.436080952
cg11786839	GMDS	6	0.00083715	0.475940857	0.620612802
cg23120243	GMDS	6	0.03232316	0.176731885	0.307904811
cg10707788	GMDS	6	0.01440455	0.377612504	0.506514464
cg25936567	GMDS	6	0.00073873	0.695145691	0.811255118
cg17697739	GMDS	6	0.04324504	0.197776428	0.30698595
cg19962434	GMEB2	20	0.01663966	0.758685085	0.860034446
cg07899459	GMIP	19	0.00365119	0.245172448	0.43284697

cg08840441	GMIP	19	0.00155457	0.333191823	0.508147915
cg24366168	GNA11	19	0.00013939	0.318625846	0.476869839
cg06173857	GNA12	7	0.00127256	0.696783084	0.860520678
cg01839603	GNA12	7	0.01606867	0.387510121	0.549911347
cg05308829	GNA12	7	0.01778689	0.638735648	0.783822829
cg02046881	GNA12	7	0.01569155	0.653059008	0.780483161
cg19524238	GNA12	7	0.01199142	0.211549861	0.321694724
cg21028562	GNAI2;GNAI2	3	0.0038042	0.296246405	0.423331819
cg08644463	GNAI3	1	0.01101316	0.395561448	0.542434185
cg04037585	GNAO1;GNAO1	16	0.01542163	0.42981745	0.553910744
cg07786301	GNAO1;GNAO1	16	0.04722469	0.519765567	0.61987366
cg04019914	GNAS;GNAS;	20	0.00157943	0.300474997	0.454431918
cg17658854	GNAS;GNAS;	20	0.00875333	0.469587542	0.601268674
cg20782596	GNAS;GNAS;	20	0.01587881	0.191305584	0.315033887
cg21971807	GNAS;GNAS;	20	0.02834175	0.339455771	0.475940929
cg11021321	GNAS;GNAS;	20	0.02273747	0.25544883	0.380934926
cg13680388	GNAS;GNAS;	20	0.04552577	0.363831506	0.475492194
cg24714094	GNAZ;RTDR1	22	0.00197671	0.297408075	0.458658889
cg15921518	GNB2L1	5	0.0002805	0.575879567	0.691465162
cg16433737	GNB3	12	0.00295595	0.292966371	0.492483277
cg00808175	GNB3	12	0.00057103	0.621252919	0.745558826
cg11871050	GNB5	15	0.00422232	0.21125058	0.328611199
cg00884805	GNG12	1	0.01821182	0.28489499	0.423845133
cg22522961	GNG12	1	0.03999208	0.575358612	0.694750445
cg14011070	GNG4;GNG4;	1	0.04734949	0.282543635	0.406584673
cg08407014	GNG7	19	0.01113474	0.185494972	0.329637284
cg12281620	GNG7	19	0.00038862	0.215585818	0.340696058
cg27176392	GNG7	19	0.00644719	0.660056829	0.782915022
cg24788034	GNG7	19	0.00271881	0.161539917	0.27424209
cg04178634	GNG7	19	0.03873108	0.16630622	0.27218649
cg05616995	GNPDA1	5	0.01938417	0.286918659	0.395486749
cg13478617	GNPTG	16	0.00358111	0.514989259	0.642027376
cg04267184	GNRH2;GNRI	20	0.0087458	0.128680168	0.282006433
cg08436467	GNRH2;GNRI	20	0.01719143	0.493527062	0.616116208
cg16120883	GOLGA3	12	0.00198459	0.466400902	0.692442557
cg23149010	GOLGA3	12	0.0036429	0.667224089	0.850311513
cg16078863	GOLGA3	12	0.01156087	0.149367877	0.310582796
cg05614952	GOLGA3	12	0.00121952	0.591312967	0.728588955
cg08424446	GOLGA3	12	0.000313	0.657560963	0.787877967
cg18189641	GOLGA3	12	0.03800603	0.18782121	0.29823274
cg20765580	GOLGA3	12	0.01186455	0.586572441	0.69188896
cg17346500	GOLIM4	3	0.00139857	0.378645495	0.617068437
cg14574047	GOLM1;GOLI	9	0.03280249	0.529815058	0.647457635
cg13850654	GOLM1;GOLI	9	0.01131348	0.581096188	0.683410088
cg15928742	GORASP2	2	0.01073052	0.331527595	0.469788463
cg00782690	GORASP2	2	0.00928796	0.380286497	0.5066212

cg06752392	GPATCH1	19	0.02030471	0.362005789	0.553410967
cg15011026	GPATCH2	1	0.04887758	0.151411412	0.326342649
cg05087722	GPC1	2	1.50E-05	0.555873656	0.707836282
cg20094506	GPC1	2	7.12E-05	0.469604312	0.590207515
cg17676994	GPC1	2	0.00192692	0.424770764	0.537300174
cg11772527	GPC6	13	0.0019705	0.279822472	0.547565577
cg06047020	GPC6	13	0.00452251	0.272853854	0.448903336
cg26671050	GPC6	13	0.00318772	0.564339679	0.717732608
cg01537769	GPC6	13	0.00191641	0.676620448	0.798704106
cg25679431	GPD1L	3	0.00021379	0.422288	0.698517377
cg15318697	GPD1L	3	1.49E-05	0.279486433	0.533291313
cg20585500	GPHA2	11	0.00532175	0.590921698	0.706320961
cg07537750	GPHA2	11	0.00409524	0.467521156	0.580068919
cg13393408	GPR107;GPR	9	0.00243608	0.463749475	0.659183256
cg23649631	GPR123	10	0.02645434	0.362095818	0.480954687
cg12869334	GPR124	8	0.00042068	0.247203152	0.41807689
cg19861632	GPR125	4	0.00843244	0.280545431	0.390675338
cg26126417	GPR126;GPR	6	0.03336697	0.231049757	0.36411795
cg01008088	GPR133	12	0.01481001	0.349153207	0.593979296
cg01056242	GPR133	12	0.01756808	0.23643029	0.390177479
cg01006048	GPR158	10	0.00491727	0.724837755	0.854034981
cg07632068	GPR176	15	0.03514644	0.536344007	0.664645422
cg12301301	GPR177	1	0.00472698	0.718791311	0.867978949
cg12528056	GPR44	11	0.0002162	0.342461557	0.593153586
cg08343644	GPR56;GPR5	16	0.00918682	0.26895407	0.383672094
cg19592277	GPR75;LOC1	2	0.00048329	0.211056129	0.387360023
cg01400468	GPR75;LOC1	2	0.00618695	0.223389076	0.355143959
cg11939825	GPR75;LOC1	2	0.01640123	0.390798117	0.520982276
cg10124812	GPR75;LOC1	2	0.00452553	0.288370191	0.402249334
cg19961545	GPR75;LOC1	2	0.00159592	0.251582084	0.361952253
cg09167413	GPR98;GPR9	5	0.00093071	0.52061728	0.688878605
cg18421360	GPR98;GPR9	5	0.04392076	0.437139103	0.60308981
cg01768433	GPR98;GPR9	5	0.01418429	0.752983834	0.86816489
cg19212391	GPRC5C;GPR	17	0.00030835	0.623204979	0.781250883
cg25400422	GPS1;RFNG;C	17	0.00078633	0.169599382	0.280324675
cg14213590	GPSM1	9	0.0023772	0.172115551	0.345993629
cg14471064	GPSM1	9	0.00081747	0.313714172	0.4772818
cg21195231	GPSM1	9	0.00163388	0.175672413	0.317779664
cg13799504	GPSM1	9	0.00600897	0.220642869	0.355201294
cg13948456	GPSM1	9	0.00060628	0.242458501	0.36409798
cg22984256	GPSM1	9	0.0003714	0.204464758	0.308133512
cg14489965	GPSM1;GPSM	9	0.00031979	0.411078584	0.631544755
cg14555265	GPSM1;GPSM	9	0.00267351	0.507405399	0.717545659
cg14040131	GPSM1;GPSM	9	0.00090174	0.233098022	0.442212957
cg01393841	GPSM1;GPSM	9	0.00054059	0.411399874	0.614480601
cg14271150	GPSM1;GPSM	9	0.00070468	0.390080149	0.551388833

cg13705014	GPSM1;GPSM	9	0.00038731	0.374786783	0.527808475
cg14934821	GPSM1;GPSM	9	0.00047393	0.221586453	0.372829747
cg04305913	GPSM1;GPSM	9	0.0033222	0.208060044	0.319858525
cg14203108	GPSM1;GPSM	9	0.00450576	0.334403481	0.43766704
cg05241828	GPT	8	0.00079924	0.235876351	0.447070598
cg09957864	GPT	8	0.00160763	0.259327231	0.468962509
cg15983520	GPT	8	0.00099321	0.410019947	0.612835284
cg07658280	GPT	8	0.0011279	0.352555792	0.544534544
cg00280345	GPT	8	0.01284441	0.175992908	0.3031778
cg25600446	GPT	8	0.00209834	0.250462104	0.376613351
cg09265054	GPT	8	0.00468098	0.11344378	0.217838868
cg05380921	GPT2;GPT2	16	0.01165918	0.233669431	0.383063507
cg26155983	GPX2	14	0.00434167	0.552083846	0.70853147
cg06733347	GRAMD2	15	0.00080874	0.40411175	0.551348077
cg25356006	GRAMD2	15	0.00864397	0.19605264	0.328294535
cg04955856	GRAMD4	22	0.00123805	0.397564439	0.566340074
cg21811450	GRAMD4	22	0.00222824	0.338561469	0.481486163
cg03711562	GRAP	17	0.00421059	0.328544799	0.443015357
cg09150232	GRB10	7	0.00875461	0.349804948	0.511932489
cg18047172	GRB10;GRB1	7	0.00383474	0.20530268	0.348088068
cg01884715	GRB2;GRB2	17	0.00940188	0.266710735	0.378261572
cg02787989	GREB1;GREB	2	0.00124465	0.380894887	0.511212141
cg14605150	GREM1	15	0.0473511	0.459798564	0.621823937
cg13651876	GRHPR	9	0.00122567	0.164202048	0.417635944
cg07633435	GRIA1;GRIA1	5	0.00349127	0.332659695	0.538577329
cg19670474	GRID2	4	0.00185542	0.566284472	0.703083782
cg24539500	GRIK2;GRIK2	6	0.00512572	0.764629194	0.871108961
cg03866831	GRIN2A;GRIN	16	0.02481102	0.56236617	0.665439222
cg16862319	GRIN2B	12	0.03646706	0.191514792	0.29544449
cg18001722	GRK5	10	0.02692487	0.32106957	0.559768366
cg13739115	GRK5	10	0.01515434	0.137789973	0.314873852
cg23537932	GRK5	10	0.00178145	0.573396132	0.726411503
cg17897352	GRK5	10	0.00019716	0.387448577	0.526353553
cg00522048	GRK5	10	0.01339192	0.400887064	0.53513938
cg24807198	GRK5	10	0.00757765	0.250640711	0.379696014
cg16395614	GRK5	10	0.01728271	0.590609909	0.716768331
cg10399824	GRK5	10	0.01702839	0.621543834	0.735911247
cg26759179	GRK5	10	0.02191211	0.192191909	0.294348996
cg00993388	GRLF1	19	0.04685878	0.464122257	0.605519107
cg00664406	GRM2;GRM2	3	0.00039229	0.169740726	0.287779673
cg00269140	GRM3	7	0.00985115	0.579732563	0.719630332
cg01331810	GRM3	7	0.04336717	0.240075359	0.365989736
cg04020590	G RTP1	13	0.00832096	0.339985566	0.519050927
cg26173173	GSDMD;GSD	8	0.04974487	0.644166818	0.754365291
cg10552496	GSTP1	11	0.00108372	0.516598284	0.622058789
cg13702181	GSTZ1;GSTZ1	14	0.00015578	0.25285454	0.439791892

cg05738924	GTDC1;GTDC	2	0.04461663	0.183588127	0.328785413
cg05878535	GTF2F2	13	0.00392583	0.673753399	0.791488767
cg27372015	GTF3C1	16	0.00066002	0.207366526	0.41687803
cg03598457	GTF3C1	16	0.00139778	0.168309552	0.327086585
cg05997801	GTF3C1	16	0.00230721	0.500328663	0.602998303
cg11386757	GTPBP3;GTP	19	0.02792649	0.426713928	0.542856383
cg08058213	GUCY1B3	4	0.02360659	0.718984187	0.84543311
cg04157161	GUCY2D	17	0.00224959	0.300062201	0.426822941
cg19202813	GULP1	2	0.01444909	0.449019947	0.634919269
cg03392710	GULP1	2	0.00082546	0.692823669	0.82858482
cg12452952	GULP1	2	0.00086235	0.804694041	0.907789998
cg16335858	GYLTL1B	11	0.00152032	0.301577214	0.458956035
cg04647234	H19	11	0.01333882	0.413304821	0.554105106
cg09777856	H2AFY2	10	0.00080849	0.726257882	0.831547762
cg04566694	H6PD	1	0.00684234	0.430750464	0.62304419
cg16256342	H6PD	1	0.00426214	0.562002931	0.68918596
cg09025327	H6PD	1	0.03912243	0.200419263	0.322057521
cg17041101	HACE1	6	0.0005017	0.817186206	0.938121387
cg08297751	HAND2	4	0.03079839	0.227046969	0.387930571
cg25325949	HAPLN1	5	0.00416419	0.332852192	0.518999965
cg22006672	HAPLN1	5	0.00203614	0.473189862	0.650802892
cg01045835	HAPLN1	5	0.03172666	0.262892498	0.421201899
cg13420004	HAPLN3	15	0.00627459	0.225934804	0.391446233
cg08317426	HAPLN3	15	0.00796999	0.451156239	0.578147172
cg14544583	HBB	11	0.00579668	0.703820514	0.806953917
cg24803059	HCCA2	11	0.000282	0.52292277	0.747943061
cg22979615	HCCA2	11	0.00040719	0.505517156	0.681344533
cg21051815	HCCA2	11	0.00185886	0.240310486	0.412981837
cg03565674	HCCA2	11	0.00091316	0.240473441	0.411876227
cg15470102	HCCA2	11	0.0013563	0.28597467	0.457322735
cg09947611	HCCA2	11	0.0236877	0.352106733	0.48721166
cg13811955	HCCA2	11	0.00451571	0.273857459	0.387264743
cg26892308	HCCA2	11	0.00141139	0.433987145	0.541512532
cg07635249	HCCA2	11	0.02986649	0.269128242	0.376131233
cg20737909	HCCA2	11	0.00462609	0.263962635	0.364818271
cg25050723	HCCA2;CTSD	11	0.00015801	0.280337003	0.510855086
cg10900641	HCCA2;LOC4	11	0.00012974	0.264053343	0.430270972
cg13978447	HCCA2;LOC4	11	0.02251805	0.50732142	0.656315468
cg08966208	HCCA2;LOC4	11	0.00899731	0.141009793	0.247875158
cg03934392	HCCA2;LOC4	11	0.00283302	0.251427289	0.401260922
cg23598212	HCCA2;LOC4	11	0.00164383	0.242232478	0.350075376
cg24764810	HCG22	6	0.03794516	0.240801154	0.375936501
cg15339960	HCN1	5	0.02652374	0.708361435	0.812011677
cg13337307	HCRT	17	0.00331104	0.376758329	0.495384168
cg06568490	HDAC11;HDA	3	0.00883875	0.254067069	0.415346742
cg05446471	HDAC11;HDA	3	0.00079924	0.230028834	0.371023664

cg06855182	HDAC4	2	0.00132155	0.228583387	0.502756162
cg20924425	HDAC4	2	0.00014988	0.288018816	0.555781548
cg04869380	HDAC4	2	0.00912511	0.232793411	0.402166021
cg06609498	HDAC4	2	0.00233359	0.186696819	0.344974634
cg07554496	HDAC4	2	0.03370877	0.325198921	0.475331386
cg15933840	HDAC4	2	0.03179853	0.287643188	0.426926427
cg17410431	HDAC4	2	0.02692164	0.110714521	0.246550419
cg04841245	HDAC4	2	0.00099064	0.208126815	0.343325107
cg09664216	HDAC4	2	0.00114335	0.617913909	0.749629724
cg04216051	HDAC4	2	0.0026016	0.544421541	0.671574739
cg23870168	HDAC4	2	0.00402974	0.16807524	0.292530718
cg19770748	HDAC4	2	0.00070108	0.420611918	0.544131459
cg27012396	HDAC4	2	0.01378268	0.223864077	0.341907364
cg20854286	HDAC4	2	0.0155803	0.609764037	0.721373225
cg21656251	HDAC4	2	0.00174523	0.563582337	0.672740692
cg03475776	HDAC4	2	0.01917689	0.312452134	0.415738074
cg10071550	HDAC4	2	0.01888053	0.09576615	0.198784598
cg01641368	HDAC4	2	0.0028302	0.454681419	0.556612627
cg10138044	HDAC4	2	0.0023655	0.220385153	0.321385621
cg05684907	HDAC9;HDAC	7	0.00850445	0.382559909	0.602165456
cg02329886	HDC;HDC	15	0.03012148	0.226391651	0.32917105
cg12853539	HDDC2	6	0.0325359	0.473440566	0.603929698
cg02839351	HMGF2;HMGF	19	0.04022882	0.358707352	0.459618042
cg21464220	HDLBP	2	0.00091461	0.324819744	0.531325225
cg18969029	HDLBP;HDLB	2	0.01131552	0.609022387	0.723693403
cg21663667	HDLBP;HDLB	2	0.00012823	0.684781822	0.788672483
cg09386050	HEATR2	7	0.0028151	0.402990037	0.595927464
cg26014466	HEATR2	7	0.00847987	0.612714247	0.771944211
cg25620901	HEATR2	7	0.03308213	0.460564032	0.580267779
cg07570069	HEATR5A	14	0.0006377	0.375787268	0.554879901
cg01743658	HEATR5A	14	0.00750419	0.405791039	0.534148225
cg08125824	HECTD1	14	0.02998441	0.773400086	0.874431184
cg05606455	HECW1	7	3.77E-05	0.221252373	0.349334915
cg18477666	HECW1	7	0.00972936	0.505447948	0.611192983
cg14706455	HEG1	3	0.00058864	0.195395665	0.348616173
cg00213745	HEG1	3	0.00263778	0.554794182	0.67552667
cg01961092	HELQ	4	0.02719647	0.57573249	0.707482398
cg18432877	HELZ	17	0.01190749	0.714387217	0.847379427
cg13884295	HEMK1	3	4.62E-05	0.672262207	0.777152943
cg00067884	HERC1	15	0.02845487	0.609841414	0.71480452
cg11774232	HERC2	15	0.00121139	0.499528242	0.649698397
cg13166748	HERC2	15	0.01223445	0.208979218	0.339430531
cg10839322	HERC2	15	0.01144918	0.545334698	0.671993979
cg24660635	HERC2	15	0.00301135	0.130580998	0.235062617
cg08240383	HHAT;HHAT;	1	0.04608023	0.131468731	0.276597375
cg20695534	HHAT;HHAT;	1	0.01888332	0.313225706	0.448090724

cg25734421	HHAT;HHAT;	1	0.00664898	0.699345554	0.823812573
cg01123449	HHIPL1	14	0.00661838	0.190244986	0.399387376
cg20944928	HIC2	22	0.0166834	0.372565112	0.494799583
cg26025557	HIGD1A;HIGI	3	0.01112935	0.630554575	0.777278165
cg04954090	HIGD1A;HIGI	3	0.00905266	0.766413169	0.890762327
cg16272084	HIP1	7	0.00033811	0.324521355	0.539331953
cg02025034	HIP1R	12	0.0081061	0.109251218	0.216063379
cg22763590	HIPK2;HIPK2	7	0.04467914	0.565037703	0.716905977
cg10803309	HIPK3;HIPK3	11	0.00012043	0.76479159	0.87165822
cg22128300	HIST1H1A	6	0.0074254	0.451729747	0.616611319
cg01452110	HIST1H3A	6	0.03040479	0.279970842	0.425070317
cg03234702	HIST1H3E	6	0.0027045	0.230168527	0.413690682
cg11436222	HIST1H3E	6	0.00014523	0.151790842	0.293332094
cg15336091	HIST1H4B	6	0.04270801	0.368894997	0.507499622
cg12616114	HIVEP2	6	0.00160315	0.56556336	0.705608747
cg27169610	HIVEP3;HIVE	1	0.00030288	0.51868032	0.729910529
cg03450107	HIVEP3;HIVE	1	0.00205801	0.652047546	0.804303618
cg00542261	HK1;HK1;HK1	10	0.00151723	0.1578696	0.392099955
cg20520115	HK2	2	0.00331902	0.27328418	0.382047844
cg02010152	HLA-DOB	6	0.00514533	0.639499746	0.752793762
cg10850215	HLA-DPB1	6	9.78E-05	0.152497573	0.334816674
cg20223237	HLA-DPB1	6	0.00294047	0.156556529	0.316203972
cg02197634	HLA-DPB1	6	0.01376677	0.167286247	0.310922974
cg25511667	HLA-DPB1	6	0.00288053	0.149711711	0.282776856
cg13349035	HLA-DPB1	6	0.00188995	0.159522349	0.291905709
cg15829535	HLA-DPB1	6	0.00744547	0.153518283	0.26443509
cg19990651	HLA-DPB1	6	0.01893513	0.105048571	0.215394199
cg12893780	HLA-DPB1	6	0.01523792	0.184968907	0.287147029
cg00995368	HLA-DQB1	6	0.01089914	0.539338049	0.66250576
cg06032479	HLA-DRB1	6	0.00215987	0.255127627	0.440964888
cg17316649	HLA-DRB1	6	0.00619877	0.143744247	0.299797114
cg10765922	HLA-DRB1	6	0.00035088	0.225242117	0.370201843
cg12588917	HLA-F;HLA-F;	6	0.00771393	0.168672119	0.275127305
cg27159583	HLCS	21	0.02839145	0.132138262	0.28243154
cg03419014	HLCS	21	0.00577668	0.152109377	0.261540831
cg08655206	HLX	1	0.00312563	0.306587502	0.434965853
cg09515921	HLX	1	0.04793522	0.536730034	0.647074452
cg10975889	HLX	1	0.00050837	0.254553775	0.357295733
cg15450098	HLX	1	0.01530168	0.232081942	0.334563116
cg14531576	HMCN1;MIR!	1	0.00431181	0.195858456	0.359856275
cg09996240	HMG20B	19	0.00827157	0.725632142	0.848747832
cg04939480	HMGA2;HMC	12	0.04961421	0.296919727	0.403682423
cg07355069	HMGCS1;HM	5	0.0099287	0.514172913	0.656161135
cg13976683	HMGCS2;HM	1	0.02263157	0.209296542	0.313764774
cg04587220	HMHA1	19	0.00081604	0.324105815	0.443976175
cg09828010	HMP19	5	0.00059981	0.620378963	0.801079648

cg14818176	HN1;HN1;HN	17	0.01757038	0.447101749	0.629628917
cg15441973	HNMT;HNMT	2	0.00402507	0.645648434	0.759339359
cg04463380	HNRNPA1L2;	13	0.04118954	0.597167276	0.704266478
cg19142553	HNRNPA2B1;	7	0.00446668	0.293005829	0.399932524
cg17002899	HNRNPC;HNI	14	0.0034533	0.261123364	0.399476985
cg10055655	HNRNPD;HN	4	0.01868057	0.742432369	0.85550791
cg03347015	HNRNPUL2	11	0.00054057	0.501439209	0.613838569
cg26983544	HOMER1	5	0.04751536	0.432280641	0.584322021
cg14935646	HOXA10	7	0.0004309	0.280740797	0.39890132
cg19817912	HOXA3	7	0.00035207	0.581173799	0.774723084
cg23876203	HOXA3;HOXA	7	0.0144192	0.652109215	0.877914841
cg07094847	HOXA3;HOXA	7	0.00132937	0.496586287	0.683146197
cg24469729	HOXA3;HOXA	7	0.00560963	0.171369074	0.301818928
cg12538674	HOXA3;HOXA	7	0.04586715	0.517773063	0.632383623
cg24389585	HOXA5	7	0.00552988	0.419454655	0.630127159
cg23245942	HOXB9	17	0.00051123	0.144410411	0.276645032
cg05349837	HOXC4	12	0.00159069	0.149894232	0.29320319
cg00567703	HOXC4;HOXC	12	0.03612283	0.267392229	0.378939785
cg25903363	HR;HR	8	0.01552804	0.274655464	0.402806944
cg12989344	HRAS;HRAS;f	11	0.00023227	0.598041771	0.766628037
cg14345676	HRH2;HRH2;|	5	0.01849442	0.227409833	0.390036628
cg02376668	HRNBP3	17	0.00591777	0.237621174	0.362248998
cg24366429	HRNBP3	17	0.00200052	0.27692526	0.394012896
cg08319103	HRNBP3	17	0.00205432	0.316167841	0.423401748
cg24895178	HS3ST3B1;M	17	0.00308431	0.599421457	0.756427178
cg17863312	HS3ST3B1;M	17	0.02510964	0.555381097	0.673946306
cg05916059	HS3ST4	16	0.00349802	0.696415135	0.798220296
cg11416620	HS6ST1	2	3.75E-05	0.381037745	0.55163998
cg27405010	HSBP1	16	0.00030599	0.372023249	0.581721017
cg05315365	HSD17B2	16	0.00982447	0.29485894	0.422115141
cg15854333	HSD17B8;SLC	6	0.01239672	0.188533507	0.33212718
cg22896793	HSPA12B	20	7.91E-05	0.315759069	0.431828747
cg13320181	HSPB7	1	0.00204921	0.147694976	0.26058347
cg11421972	HSPB7	1	0.00682442	0.491524234	0.601639451
cg16110455	HSPB7;HSPB	1	0.00359241	0.263935253	0.364393683
cg07168142	HSPB9;KAT2/	17	0.00821068	0.158025315	0.292417247
cg21945949	HSPC159	2	0.0044971	0.244180408	0.486712123
cg25138553	HSPG2	1	0.02714334	0.091719503	0.192739023
cg17637877	HTR3B	11	0.00342006	0.731341115	0.832769378
cg02299946	HTRA1	10	0.04453161	0.283802978	0.399721596
cg12636882	HTT	4	0.00661079	0.557401332	0.666239178
cg11173579	HUNK	21	0.01381784	0.22731867	0.365189277
cg11962566	HYOU1;HYOU	11	0.04440065	0.241972092	0.363232981
cg03023900	ICAM2;ICAM	17	0.00211073	0.695718531	0.819603216
cg21901386	ICAM3	19	0.00864964	0.660200132	0.770550581
cg04295144	ICAM5	19	0.00556323	0.124620167	0.2661243

cg22871801	IFFO2	1	3.77E-05	0.669593828	0.769985022
cg03065308	IFNGR1	6	0.00738291	0.243791355	0.425096651
cg02102832	IFT140	16	0.00166906	0.536025135	0.748842873
cg07994487	IFT140;TMEN	16	4.94E-05	0.447655071	0.730961633
cg00939684	IFT140;TMEN	16	0.00799097	0.494428888	0.671403782
cg26552163	IFT140;TMEN	16	0.00309941	0.370867925	0.539823894
cg08880369	IFT140;TMEN	16	0.00011753	0.464470413	0.623171322
cg08006309	IFT140;TMEN	16	0.04036199	0.482295642	0.636213521
cg02307681	IFT140;TMEN	16	0.00155684	0.193600289	0.342468068
cg03204177	IFT81;IFT81;I	12	0.00317689	0.592396403	0.722139663
cg12544411	IGDCC3	15	0.00597188	0.523013464	0.664716361
cg24676120	IGF1;IGF1;IGI	12	0.03027531	0.19506646	0.358429098
cg12402183	IGF1R	15	0.00589897	0.249863714	0.469601362
cg06671623	IGF1R	15	0.01396845	0.197704933	0.387696343
cg20388729	IGF1R	15	0.00140089	0.584539972	0.743666125
cg05075416	IGF1R	15	0.00899327	0.456098331	0.602780288
cg20966754	IGF2BP1;IGF:	17	0.00808333	0.185531889	0.323314409
cg23596986	IGF2BP1;IGF:	17	0.00289205	0.197772622	0.298555106
cg12754982	IGF2R	6	0.00733833	0.473591701	0.596120107
cg05830618	IGSF5	21	0.00405903	0.433146832	0.553700187
cg13088568	IHH	2	0.04620659	0.372513421	0.486673012
cg15096505	IL10	1	0.01418884	0.170769549	0.335728501
cg03662459	IL11RA;IL11R	9	0.00767435	0.429719179	0.558254105
cg27292389	IL15RA;IL15R	10	0.00151144	0.537384649	0.730006111
cg25580782	IL15RA;IL15R	10	0.00392389	0.224325806	0.412153784
cg05042034	IL16	15	0.03215759	0.420398048	0.554314309
cg14898127	IL16;IL16;IL1	15	0.00743397	0.546512605	0.700718676
cg03876697	IL17B	5	0.00030748	0.434803652	0.562739763
cg05860978	IL17B	5	0.00250087	0.359145617	0.483927948
cg24394667	IL1RL2	2	0.00189474	0.42560979	0.589008047
cg12663550	IL1RL2	2	0.02646067	0.530782568	0.649131112
cg18145937	IL4;IL4	5	0.00615346	0.160350969	0.266548411
cg12377972	IL4;IL4;IL4;IL4	5	0.02968659	0.607273077	0.715836247
cg05934682	IL4I1;IL4I1	19	0.00349736	0.232285971	0.36104991
cg07998387	IL6	7	0.01602576	0.435234416	0.580652384
cg25089598	ILK;ILK;ILK	11	0.00917449	0.45875811	0.564101981
cg19798735	IMMP2L;LRR	7	0.03816377	0.332109963	0.432736782
cg09640202	IMP4	2	0.0044971	0.708971466	0.811520959
cg05893902	IMPG2	3	0.02354739	0.506195829	0.666043632
cg26122413	INF2;INF2	14	0.00026369	0.390780678	0.659467199
cg16147932	INF2;INF2;IN	14	0.0078614	0.194155582	0.337310672
cg23998240	INF2;INF2;IN	14	0.01595764	0.318280785	0.427859162
cg05877565	INHBA;LOC2	7	0.01375833	0.293064884	0.412114302
cg18676273	INHBA;LOC2	7	0.0070625	0.158536348	0.269129544
cg05132222	INO80	15	0.00147517	0.298895225	0.452348866
cg18767920	INO80C;INO	18	0.03956712	0.109009133	0.248947209

cg01169610	INPP4A;INPP	2	0.00302372	0.447035049	0.626722648
cg16469046	INPP4A;INPP	2	0.03447263	0.325091626	0.485111383
cg03403093	INPP4A;INPP	2	0.0028542	0.231769457	0.359343112
cg10773526	INPP4B;INPP	4	0.0012831	0.600109263	0.729910719
cg12449716	INPP5A	10	0.00016884	0.513431312	0.712110102
cg11740348	INPP5A	10	0.02167547	0.40060244	0.557170262
cg16627236	INPP5A	10	0.02235404	0.436000201	0.580621689
cg07249433	INPP5A	10	0.01168599	0.401032903	0.541431385
cg18121190	INPP5A	10	0.00072914	0.447711161	0.576621491
cg02668055	INPP5A	10	0.00315753	0.233898805	0.354918431
cg02836764	INPP5A	10	0.02754193	0.678493488	0.795620988
cg19649172	INPP5A	10	0.00895194	0.168111072	0.276047084
cg08287211	INPP5A	10	0.00652095	0.112248003	0.21467346
cg21140843	INPP5K;INPP	17	0.00255974	0.231999097	0.417610102
cg20720680	INPL1	11	0.00174517	0.254468658	0.409241826
cg00221747	INS-IGF2;IGF	11	0.0012433	0.62675305	0.730124519
cg06399933	INSC	11	0.01530789	0.147233866	0.305791098
cg06049367	INSC;INSC	11	0.00079296	0.258960712	0.458093251
cg20523653	INSC;INSC	11	0.00658257	0.148828889	0.288863685
cg21528729	INSIG1;INSIG	7	0.01911024	0.785421986	0.935629464
cg09779027	INSR;INSR	19	0.01199601	0.186984569	0.324910754
cg11780053	INSR;INSR	19	0.00238262	0.168634812	0.274165581
cg11396267	INTS1	7	0.00036376	0.615490242	0.721567979
cg16926712	INTS9;INTS9;	8	0.00590156	0.125653999	0.24759512
cg22131726	IPCEF1;IPCEF	6	0.02781104	0.140036633	0.282929806
cg14255700	IPPK	9	8.66E-05	0.223968352	0.499718853
cg13577194	IPPK	9	0.00049358	0.421076132	0.683022687
cg16686273	IQCE;IQCE	7	0.0034389	0.263268892	0.482400138
cg04919592	IQCE;IQCE	7	0.01110537	0.292291544	0.413318439
cg09159452	IQCE;IQCE	7	0.0140388	0.26346049	0.377759876
cg08494871	IQCK	16	0.01475413	0.269175386	0.384706843
cg18459152	IQGAP2	5	0.00346346	0.457325981	0.679913355
cg24380053	IQSEC1	3	0.00047393	0.203290934	0.439892555
cg16192821	IQSEC1	3	0.00164505	0.135127179	0.264629007
cg02109605	IQSEC1	3	0.01010697	0.116885619	0.235518365
cg17554647	IQSEC1;IQSE	3	0.01194417	0.127585475	0.302367237
cg18000764	IQSEC1;IQSE	3	0.00048643	0.626997594	0.751565289
cg27587780	IRF1	5	0.00371657	0.446825483	0.567954473
cg22016995	IRF7;IRF7;IRF	11	0.00149397	0.297399113	0.42284007
cg14283647	IRS1	2	0.00105476	0.301483443	0.506699263
cg00912573	IRS1	2	0.00555862	0.301263799	0.472326137
cg00305996	IRS1	2	0.03111688	0.144149126	0.292972484
cg04129548	IRS1	2	0.01498945	0.264285921	0.399482896
cg13008631	IRS1	2	0.00405632	0.335464632	0.460129135
cg05195566	ISLR	15	0.01103908	0.202099481	0.323140975
cg12719753	ISLR;ISLR;ISL	15	0.00586177	0.200995212	0.313361888

cg22161383	ISYNA1;ISYN	19	0.02269517	0.40592137	0.530438087
cg01065977	ISYNA1;ISYN	19	0.00272757	0.274118632	0.392353304
cg06462663	ISYNA1;ISYN	19	0.03799239	0.753801136	0.858312016
cg24935345	ITGA1	5	0.00239348	0.547678375	0.733617431
cg05036937	ITGA2	5	0.00900175	0.434135495	0.596182755
cg00522231	ITGB1BP1;ITC	2	0.00403952	0.131526302	0.252825898
cg05742728	ITGB2;ITGB2	21	0.02113466	0.602491317	0.742707507
cg03013554	ITGB2;ITGB2	21	0.00508185	0.436092449	0.568292662
cg22162848	ITGB4;ITGB4	17	0.00263407	0.172808391	0.286475458
cg13613634	ITGB6	2	0.01889715	0.657598237	0.78237882
cg15889057	ITGB7	12	0.00703441	0.505863297	0.651608099
cg22070156	ITGBL1;ITGBI	13	0.00713666	0.144115398	0.27780469
cg21116266	ITGBL1;ITGBI	13	0.00714922	0.149288675	0.262388717
cg07464094	ITIH3	3	0.00018759	0.44514899	0.559273015
cg18994033	ITM2C;ITM2C	2	0.01989802	0.210210198	0.31621539
cg09837298	ITPK1;ITPK1;I	14	0.00049241	0.615189609	0.75638698
cg16426321	ITPK1;ITPK1;I	14	0.00437567	0.57551281	0.699312159
cg19827511	ITPK1;ITPK1;I	14	0.01946735	0.641237761	0.742140129
cg02047547	ITPRIPL2;ITPFI	16	0.00067214	0.227563841	0.341858699
cg05139187	ITSN2;ITSN2;	2	0.00271886	0.217420748	0.400205316
cg26005086	JAG1	20	0.0003561	0.311570476	0.548920004
cg05796838	JAK3	19	0.00023183	0.212393663	0.425604921
cg14983763	JAKMIP3	10	0.01258668	0.292953437	0.435319267
cg06493612	JARID2	6	0.00185235	0.323364417	0.492264882
cg14009473	JARID2	6	0.03613261	0.366412677	0.530198284
cg22982811	JAZF1	7	0.00466377	0.352815191	0.572151665
cg17702455	JAZF1	7	0.01622933	0.196849608	0.370398769
cg17052756	JAZF1	7	0.00071993	0.547521443	0.682892395
cg22377814	JAZF1	7	0.02215588	0.49585027	0.630830731
cg01919011	JDP2;JDP2;JD	14	0.00866352	0.185332242	0.305541691
cg07128233	JMJD1C	10	0.00117306	0.608413103	0.766470387
cg19495650	JMJD1C	10	0.04614192	0.273208509	0.382022212
cg13038025	JMJD7-PLA2C	15	0.00011921	0.424168622	0.593856286
cg16668397	JPH3	16	0.00204167	0.239412834	0.403211527
cg02972715	JPH4;JPH4	14	0.00672225	0.348749655	0.458072401
cg15386103	JUP;JUP	17	0.04648905	0.440462675	0.548781288
cg14688451	KALRN;KALRI	3	0.00283284	0.210187166	0.420018166
cg23440058	KALRN;KALRI	3	0.04435809	0.419556859	0.527668751
cg06690085	KALRN;KALRI	3	0.03643743	0.110299005	0.214716931
cg13516362	KANK2	19	0.03197183	0.159003397	0.27021719
cg04211018	KANK4	1	0.01467752	0.312239769	0.439491912
cg07949011	KANK4	1	0.01798227	0.18242469	0.309227961
cg06133771	KATNB1	16	0.01142867	0.423586474	0.562604328
cg05962092	KCNA7	19	0.02537165	0.13258367	0.237284811
cg25731943	KCNAB1;KCN	3	7.01E-05	0.153914386	0.295549825
cg15731035	KCNAB2;KCN	1	0.03816104	0.53351328	0.649309674

cg21017569	KCNAB3	17	0.0015398	0.310965462	0.477602412
cg13407335	KCNAB3	17	0.01093878	0.199370337	0.359290671
cg13377102	KCNAB3	17	0.00177863	0.285482119	0.443866161
cg01323777	KCNAB3	17	0.00527678	0.184934199	0.326566737
cg16513459	KCNAB3	17	0.00113189	0.190512843	0.327016568
cg15951188	KCNAB3	17	0.00183826	0.382390068	0.490135048
cg23365801	KCNAB3	17	0.00945506	0.169576931	0.272698669
cg22572258	KCND2	7	0.00637775	0.688616123	0.816642027
cg26736645	KCNE1;KCNE	21	0.00056439	0.546334158	0.703980685
cg05591210	KCNE3	11	0.00928084	0.501354738	0.636227246
cg17526887	KCNE4	2	0.00967651	0.270106087	0.400814142
cg15510325	KCNH2;KCNH	7	0.00169404	0.638005511	0.766443993
cg19264163	KCNH8	3	0.00053355	0.488419606	0.695550439
cg00948250	KCNJ10	1	0.04877197	0.327773274	0.459153815
cg03746851	KCNJ12	17	0.0057909	0.349786376	0.469231354
cg10222534	KCNJ14;KCNJ	19	0.00557002	0.190953635	0.409098934
cg00848374	KCNK2;KCNK	1	0.01069337	0.297691782	0.47557217
cg21388745	KCNK5	6	0.01292076	0.364924782	0.544641556
cg12614113	KCNMA1;KCN	10	0.00301135	0.375469039	0.598740011
cg19427642	KCNMA1;KCN	10	0.00409199	0.383162373	0.585438651
cg07210187	KCNMA1;KCN	10	0.00721616	0.26892873	0.45906892
cg02727484	KCNMA1;KCN	10	0.01473008	0.13672609	0.308279296
cg07029975	KCNMA1;KCN	10	0.01577804	0.476772218	0.62495707
cg07972159	KCNMA1;KCN	10	0.00464936	0.568936071	0.694076337
cg03299991	KCNMA1;KCN	10	0.00015929	0.201683652	0.321312836
cg24529771	KCNMB3;KCN	3	0.01418884	0.264365122	0.431983987
cg13396821	KCNN3;KCNN	1	0.00313066	0.201973137	0.394402124
cg26504422	KCNN4	19	0.00078633	0.322405353	0.617997578
cg22904711	KCNN4	19	0.00058797	0.200866474	0.351592735
cg19698309	KCNQ1	11	0.01960128	0.297987	0.40721927
cg04907802	KCNQ1;KCNC	11	0.0004215	0.545981755	0.762395002
cg08376310	KCNQ1;KCNC	11	0.00114461	0.245826703	0.39394593
cg06960356	KCNQ1;KCNC	11	3.89E-05	0.299627653	0.445285987
cg07979757	KCNQ1;KCNC	11	0.0002722	0.254184667	0.386169711
cg19388050	KCNQ1;KCNC	11	0.00030589	0.607629762	0.734680118
cg24725201	KCNQ1;KCNC	11	8.49E-05	0.580037513	0.690935406
cg15686157	KCNQ1;KCNC	11	0.01204026	0.287324432	0.395043817
cg21752270	KCNQ1;KCNC	11	0.00308214	0.427944834	0.535369469
cg03512098	KCNQ1;KCNC	11	0.00108372	0.166605418	0.272273414
cg12427469	KCNQ1;KCNC	11	0.00940268	0.218951664	0.320046901
cg13880539	KCNQ1;KCNC	11	0.00900684	0.190395428	0.366866467
cg19672982	KCNQ1;KCNC	11	0.00120283	0.430346125	0.575168427
cg02180189	KCNQ1;KCNC	11	0.00064112	0.43076102	0.544590875
cg15861694	KCNQ1;KCNC	11	0.00056439	0.509076755	0.614141076
cg01693193	KCNQ1;KCNC	11	0.00565723	0.523534576	0.626397685
cg14245619	KCNQ2;KCNC	20	0.01059878	0.391555437	0.530706956

cg05165559	KCNQ2;KCNQ	20	0.00516398	0.471600223	0.572380681
cg23109867	KCNQ4;KCNQ	1	0.00798787	0.441589304	0.541872525
cg05203217	KCNS1	20	0.0133082	0.21109964	0.326577345
cg07338584	KCNU1	8	0.02084162	0.225994027	0.347232111
cg00044299	KCTD1;KCTD	18	0.04141711	0.760154808	0.863836483
cg01080424	KDEL2;KDEL	7	0.00038095	0.190275949	0.430758201
cg01640635	KDEL3;KDEL	22	0.00102138	0.173092577	0.327353153
cg03967533	KDM1A;KDM	1	0.00411751	0.782210646	0.887042141
cg21166985	KDM2B;KDM	12	3.77E-05	0.19858547	0.388893563
cg16062733	KDM2B;KDM	12	0.01518171	0.297772457	0.476995806
cg25482146	KDM2B;KDM	12	0.0001064	0.277937489	0.452844262
cg11724984	KDM2B;KDM	12	0.00012704	0.572104747	0.723637131
cg23972735	KDM2B;KDM	12	0.0003098	0.215358436	0.347891532
cg06024930	KDM2B;KDM	12	0.00078297	0.341020068	0.472906223
cg06646494	KDM2B;KDM	12	8.11E-05	0.402533199	0.510162298
cg00946598	KDM4A	1	0.00024695	0.436632048	0.592404934
cg08462360	KDM4A	1	0.02487885	0.390717713	0.503240792
cg20098875	KDM4B	19	0.00477806	0.563541906	0.734077276
cg02577963	KDM4B	19	0.00084169	0.386911948	0.551229259
cg02842850	KDM4B	19	0.00011804	0.280753393	0.442737769
cg03310779	KDM4B	19	7.39E-05	0.549432525	0.703017231
cg15705062	KDM4B	19	2.43E-05	0.657524556	0.80136276
cg10821320	KDM4B	19	0.00472683	0.58383128	0.724021448
cg22079102	KDM4B	19	0.01818658	0.419873959	0.541100158
cg10612065	KDM4B	19	0.02483824	0.583059471	0.696066855
cg14010696	KDM4B	19	0.03925071	0.389102435	0.492720566
cg24214903	KDM4B	19	0.01369798	0.400406459	0.5010492
cg13935079	KDM4C;KDM	9	0.04473238	0.195739344	0.300803355
cg14438634	KDM4C;KDM	9	0.01055555	0.676619702	0.808993026
cg16957323	KDM6B	17	9.51E-05	0.569844112	0.690339641
cg01586432	KEAP1;KEAP	19	0.01671624	0.181664638	0.375489784
cg24936273	KHDRBS2	6	0.01407933	0.730747004	0.839391132
cg26657404	KIAA0182;KI	16	0.00037711	0.313347512	0.540615029
cg04372823	KIAA0182;KI	16	0.00467654	0.297639567	0.483444605
cg00168118	KIAA0182;KI	16	0.00220092	0.300400772	0.445522418
cg03004860	KIAA0182;KI	16	0.02692682	0.643863204	0.766940248
cg00128386	KIAA0182;KI	16	0.00012086	0.439488905	0.555102791
cg05441854	KIAA0182;KI	16	0.01113625	0.366301421	0.479642707
cg08899895	KIAA0182;KI	16	0.00214085	0.190921615	0.303059668
cg05245094	KIAA0182;KI	16	0.01926889	0.655042248	0.76643718
cg09205083	KIAA0182;KI	16	0.01004861	0.313472372	0.423578998
cg22455529	KIAA0195	17	0.00083967	0.30141661	0.503332825
cg27089714	KIAA0196	8	0.02720624	0.477521292	0.608525143
cg25289457	KIAA0240	6	0.00451924	0.203575792	0.409091795
cg03505866	KIAA0247	14	0.00088306	0.270819365	0.474213403
cg18163342	KIAA0284;KI	14	0.00484728	0.122781246	0.224418595

cg18618674	KIAA0528	12	0.03183468	0.855183758	0.970160884
cg16964673	KIAA0562;DF	1	0.00748977	0.23202387	0.332166942
cg01132515	KIAA0664	17	0.01117589	0.604418842	0.778787997
cg05389310	KIAA0664	17	0.01027243	0.324612496	0.454299944
cg27498545	KIAA0802	18	0.01077128	0.528022763	0.674365157
cg17226446	KIAA0922;KI/	4	0.01767078	0.290647272	0.472612385
cg15733729	KIAA1026;KI/	1	0.01454003	0.539209373	0.685970025
cg22723001	KIAA1026;KI/	1	0.00651901	0.620002663	0.720589039
cg20958628	KIAA1026;KI/	1	0.00523895	0.653555272	0.768108195
cg08468082	KIAA1026;KI/	1	0.00251421	0.411952273	0.561344639
cg03995434	KIAA1147	7	0.00756511	0.191136423	0.305647127
cg12380772	KIAA1161	9	0.01634454	0.213468817	0.333255403
cg19505458	KIAA1217;KI/	10	0.0102351	0.123351405	0.23598484
cg22192454	KIAA1267	17	0.02096601	0.616585096	0.740329975
cg13732302	KIAA1267	17	0.01298554	0.468311107	0.590694915
cg24775327	KIAA1274	10	0.00524184	0.300363633	0.504131189
cg17239876	KIAA1274	10	0.01685642	0.265622214	0.429394195
cg24812143	KIAA1274	10	0.01898072	0.311871287	0.468037911
cg18295923	KIAA1409	14	0.00603754	0.463867365	0.586134968
cg19603836	KIAA1462	10	0.00216053	0.504846876	0.675907634
cg13661330	KIAA1462	10	0.00048607	0.493660311	0.642257918
cg12478578	KIAA1522	1	0.00171005	0.450204659	0.662125147
cg04892182	KIAA1522	1	0.00461952	0.249635082	0.439379608
cg16007395	KIAA1522	1	0.00107003	0.539232773	0.682926393
cg00528191	KIAA1522	1	0.00091054	0.41363811	0.554135102
cg11197101	KIAA1522	1	0.02234066	0.090610917	0.198754228
cg06786238	KIAA1522	1	0.02552774	0.183337234	0.285633996
cg21182616	KIAA1530	4	0.02344121	0.420874798	0.616662824
cg00731886	KIAA1530	4	0.03829625	0.520316154	0.675284171
cg04173688	KIAA1530	4	0.01021616	0.660207863	0.806871013
cg14029580	KIAA1530	4	0.03622791	0.493609178	0.630188392
cg00395625	KIAA1549;KI/	7	0.01489797	0.16548335	0.330661597
cg09510085	KIAA1609	16	0.01131773	0.446979248	0.626486463
cg04132007	KIAA1688	8	0.00489511	0.693240599	0.821035145
cg00661018	KIAA1688	8	0.00464189	0.635318883	0.738592655
cg06748934	KIAA1712;KI/	4	0.00386732	0.812957929	0.929035527
cg23977002	KIDINS220	2	0.0001827	0.583992239	0.797056197
cg26426395	KIDINS220	2	0.01522284	0.181304648	0.369232215
cg09888753	KIF13B	8	0.00078117	0.511464784	0.698724603
cg19888654	KIF13B	8	0.0001566	0.366445491	0.529444721
cg16821252	KIF13B	8	0.00010151	0.809398055	0.912381039
cg17876641	KIF21B	1	0.00011205	0.495229807	0.631866808
cg24246628	KIF25;KIF25	6	0.04439156	0.132941284	0.259312601
cg04257913	KIF26A	14	0.01762984	0.431646394	0.575071239
cg25011809	KIF3A	5	0.03197888	0.600278209	0.701048465
cg23186534	KIF5A	12	0.04960736	0.475567221	0.603707481

cg02161701	KIF7	15	0.00637775	0.498619095	0.673108769
cg11597157	KIF7	15	0.00074287	0.60207183	0.740960906
cg00917156	KIFC3;KIFC3;l	16	0.01166754	0.291816498	0.433481275
cg04445570	KIRREL3;KIRF	11	0.01008628	0.589981976	0.714785351
cg21880903	KLB	4	0.01449654	0.459646308	0.591920509
cg07140250	KLC1;KLC1;KI	14	0.02483505	0.454334233	0.580849855
cg05647197	KLF11	2	0.01309423	0.343943244	0.476754157
cg00540067	KLF15	3	0.02164437	0.185760323	0.290641201
cg02668248	KLF2	19	0.00029859	0.214021296	0.377458278
cg12251895	KLF7	2	0.02082424	0.287547452	0.435433443
cg05214708	KLF7	2	0.00795469	0.670072332	0.798115235
cg01304993	KLHDC4	16	0.03876849	0.48896973	0.604745983
cg05830220	KLHDC4	16	0.0322574	0.195885997	0.307782409
cg09821701	KLHDC4	16	0.00863354	0.163689683	0.272310298
cg08356614	KLHDC5	12	0.00213281	0.343782322	0.477452474
cg22249529	KLHDC7B	22	0.00247828	0.15938029	0.294461361
cg07600533	KLHDC7B	22	0.00612278	0.132532765	0.24146033
cg09502111	KLHDC8A	1	0.00016006	0.582081667	0.74967489
cg00058923	KLHDC9;KLHI	1	0.00117522	0.486691266	0.646819235
cg04359978	KLHL17	1	0.00399585	0.234658038	0.352451332
cg26635367	KLHL2;KLHL2	4	0.00061887	0.199891745	0.426253743
cg15392471	KLHL21	1	0.00981589	0.488747735	0.64490175
cg01120851	KLHL21	1	0.00216772	0.725725645	0.838957876
cg14823363	KLHL21	1	0.00716697	0.339805649	0.440477712
cg06371489	KLHL25	15	0.00197009	0.506476469	0.634348392
cg24215531	KLHL26	19	0.00103822	0.277819801	0.382479211
cg03445244	KLHL29	2	0.00217268	0.317370219	0.534065624
cg00854172	KLHL29	2	0.0184521	0.130469648	0.327489134
cg17952075	KLHL29	2	0.01512757	0.15048769	0.318788147
cg00746446	KLHL29	2	0.00302187	0.529883978	0.697481691
cg14551881	KLHL29	2	0.00230751	0.219304304	0.357077402
cg06676049	KLHL29	2	0.00532467	0.265137212	0.396879945
cg27297315	KLHL29	2	0.02806206	0.39857055	0.517460579
cg17245125	KLHL29	2	0.00134668	0.297980906	0.403087611
cg10982443	KLHL33	14	0.00194084	0.158759572	0.320681825
cg19635505	KLHL33	14	0.00019707	0.224627295	0.357802687
cg08482274	KLHL36	16	0.04025036	0.520142862	0.636509137
cg13388253	KLK8;KLK8;KI	19	0.01746779	0.508281532	0.630032307
cg03404742	KLKBL4;CCDC	16	0.01433822	0.324763598	0.484906939
cg15241779	KLRD1;KLRD1	12	0.00536006	0.600532032	0.759040533
cg01940139	KLRD1;KLRD1	12	0.00244384	0.309748602	0.536518223
cg21474838	KLRD1;KLRD1	12	0.04566893	0.574795889	0.680870426
cg04468334	KRBA1	7	0.00036622	0.473478171	0.612498365
cg14069619	KRBA2	17	0.00529535	0.496056035	0.65066948
cg21877960	KRR1	12	0.00958952	0.719781495	0.845364565
cg21336116	KRT23;KRT23	17	0.00755775	0.163014386	0.35526549

cg24340657	KRT24	17	0.00492393	0.313848753	0.423249654
cg05138546	KRT36	17	0.04486402	0.542749941	0.766753781
cg15136129	KRT36	17	0.03392751	0.469999181	0.614796322
cg07658640	KRT6C	12	0.03375516	0.680095544	0.799717706
cg05762338	KRTAP1-5	17	0.00088612	0.359516359	0.565352868
cg20960642	KRTAP17-1	17	0.00119868	0.15694772	0.257709789
cg15322542	KRTAP17-1;K	17	0.00684051	0.21383914	0.335026418
cg12188197	KRTAP2-4;KR	17	0.03534856	0.330898384	0.463607263
cg20102877	KRTCAP3;KR	2	0.00053405	0.315935606	0.457180852
cg17158414	KRTCAP3;KR	2	0.00846539	0.332966734	0.459425549
cg02592271	KRTCAP3;KR	2	0.00238043	0.317460244	0.428736739
cg21248554	KRTCAP3;KR	2	0.02293103	0.209641565	0.310738446
cg18428193	KRTCAP3;NR	2	0.00401483	0.298986641	0.404379402
cg10191002	LAG3	12	0.00825129	0.226901753	0.348808605
cg19421125	LAG3	12	0.00441943	0.116114015	0.229560315
cg08844365	LAMA4;LAMI	6	0.00904327	0.1519213	0.282959985
cg12382846	LAMA5	20	0.00042947	0.474098786	0.62452193
cg21170029	LAMB3;LAMI	1	0.00103851	0.32480529	0.439497291
cg12141218	LAMB3;LAMI	1	0.00987996	0.214082997	0.319424419
cg14475554	LAMB3;LAMI	1	0.00106344	0.393752264	0.494843613
cg13689073	LARP1	5	0.00773384	0.136310802	0.319373048
cg02639667	LARP1	5	0.00030928	0.313653251	0.494251622
cg16645907	LARP1	5	0.00089065	0.188430056	0.318329683
cg03519907	LARP1	5	0.01632893	0.158606469	0.274854909
cg23613317	LARP1	5	0.01050516	0.130665597	0.24616509
cg18467841	LARP1B	4	0.00170337	0.748505749	0.878510428
cg05380759	LARS2	3	0.01177959	0.160078247	0.280951675
cg01716603	LASP1	17	0.00375537	0.301318733	0.460786307
cg27053177	LASS6	2	0.0023188	0.219898895	0.51123683
cg26803993	LASS6	2	0.00391989	0.577360459	0.722693462
cg24522085	LASS6	2	0.00903746	0.585022941	0.711766459
cg09045552	LASS6	2	0.00025542	0.701865049	0.80740322
cg27409974	LATS1	6	0.00083715	0.439229275	0.600777299
cg26525870	LAYN	11	0.00124871	0.471379718	0.648491098
cg13754355	LCN10	9	0.00222195	0.266372294	0.381313489
cg09583302	LDHA;LDHA;I	11	0.0324737	0.208972468	0.504499959
cg26362257	LDHB	12	0.01475387	0.764632088	0.884028026
cg26597485	LDLRAD3	11	0.00577824	0.154662676	0.374588894
cg15108490	LDLRAD3	11	0.01987144	0.209363606	0.354844655
cg16943934	LDLRAD3	11	0.02205743	0.400276846	0.542118714
cg06359931	LDLRAP1	1	0.00615099	0.320834357	0.486753562
cg25209353	LDLRAP1	1	0.02699315	0.155662766	0.27333832
cg24553728	LDLRAP1	1	0.01823019	0.75706152	0.857265573
cg12565679	LECT2	5	0.01725968	0.246443803	0.451156556
cg10774440	LEFTY1	1	0.00615224	0.606864679	0.727931561
cg16201661	LEKR1	3	0.01475782	0.578039084	0.693400055

cg08002765	LEMD3;LEMI	12	0.03476348	0.545788052	0.685629338
cg19594666	LEP	7	4.07E-05	0.140671443	0.240887043
cg03607891	LEPR;LEPR	1	0.0332317	0.394235795	0.505044823
cg16500874	LETM1	4	0.00100718	0.501356499	0.673520092
cg17104738	LETM1	4	0.00401483	0.494593962	0.65929884
cg23488055	LETM1	4	0.02389442	0.517710444	0.672975584
cg16964946	LGR4	11	0.04258264	0.352428082	0.518562776
cg08824221	LGR4	11	0.00592099	0.163139465	0.323187497
cg21170346	LGR4	11	0.01823019	0.786569122	0.89825599
cg23586835	LGR4	11	0.01909896	0.68981088	0.795431182
cg17995557	LHPP;LHPP	10	0.00186393	0.18693811	0.462927869
cg26284388	LHPP;LHPP	10	0.01628553	0.327939681	0.531688983
cg09690597	LHPP;LHPP	10	0.00040028	0.178668424	0.343533253
cg03499943	LHPP;LHPP	10	0.00054925	0.394995961	0.556179415
cg04949429	LHPP;LHPP	10	0.02919799	0.26149919	0.412044074
cg18593374	LHPP;LHPP	10	0.0023101	0.243837059	0.390187422
cg21390852	LHPP;LHPP	10	0.0020735	0.190420777	0.309710554
cg14496753	LHX6;LHX6	9	0.00040104	0.217158459	0.380536651
cg13571460	LHX6;LHX6	9	0.00116473	0.158016215	0.299921935
cg14476745	LHX6;LHX6	9	0.00513514	0.22576265	0.361185415
cg21573745	LIG1	19	0.03399524	0.757097805	0.869056449
cg21306988	LIG4;LIG4;LIC	13	0.04236468	0.155452945	0.271872386
cg01578293	LIMCH1;LIMC	4	0.00986921	0.570135115	0.703509314
cg23291145	LIMCH1;LIMC	4	0.00032132	0.266757246	0.455455553
cg23825522	LIMD1	3	0.00354317	0.115944146	0.343612254
cg00225067	LIMD1	3	0.04820092	0.142167538	0.310995596
cg01942372	LIMS1	2	0.04211291	0.499499348	0.642884085
cg23528975	LIMS2;GPR17	2	0.00481491	0.647503256	0.780191325
cg19724910	LIMS2;GPR17	2	0.00542774	0.533811273	0.636001666
cg18044111	LIMS2;LIMS2	2	0.00079581	0.280591701	0.405762564
cg21869609	LINGO3	19	0.00067845	0.212454522	0.374575295
cg09370594	LINGO3	19	0.00041553	0.365042582	0.485522341
cg09610311	LIPC	15	0.00289205	0.347606094	0.494770272
cg01891736	LITAF;LITAF;L	16	0.04313496	0.294196307	0.422059472
cg18380917	LIX1L	1	0.04535636	0.579566542	0.696574339
cg06461408	LLGL2;LLGL2	17	0.02834175	0.469367168	0.594334341
cg26289155	LLGL2;LLGL2;	17	0.00267041	0.531925819	0.677937795
cg08972916	LLGL2;LLGL2;	17	0.02074462	0.400116606	0.536280502
cg17029237	LLGL2;LLGL2;	17	0.00061997	0.162484596	0.270398129
cg05584737	LMAN1	18	0.04608023	0.716294305	0.822904395
cg09013267	LMAN2	5	0.00071142	0.497642914	0.621889612
cg16515546	LMF1	16	0.00050349	0.456148734	0.637486796
cg09091185	LMF1	16	0.0031744	0.290112558	0.463709569
cg04653025	LMF1	16	0.02930182	0.639769936	0.786776187
cg10244976	LMF1	16	0.00105217	0.211171823	0.351855021
cg00849267	LMF1	16	0.0022722	0.282632867	0.422370715

cg05053735	LMF1	16	0.00799248	0.166229517	0.289938147
cg01707127	LMF1	16	0.00696945	0.182909033	0.304588646
cg03595018	LMF1	16	0.00017486	0.390549674	0.500561831
cg06683487	LMF1	16	0.01656116	0.2294191	0.331796356
cg05578056	LMF1	16	0.00745289	0.325817547	0.426223951
cg18147048	LMNB2;TIMM	19	0.01129711	0.2192489	0.361961062
cg17408637	LMO2;LMO2	11	0.030941	0.306237813	0.432751195
cg11831419	LMO7;LMO7	13	0.02594774	0.367093134	0.537835272
cg13060233	LMO7;LMO7	13	0.03208637	0.653620953	0.771302619
cg06529818	LOC1001280	1	0.00594043	0.209358504	0.360835559
cg13655615	LOC1001290	9	0.01837514	0.670850231	0.777931693
cg00808403	LOC1001293	3	0.02045189	0.469433445	0.571473991
cg06908618	LOC1001296	16	0.00121155	0.285109808	0.493211457
cg01624637	LOC1001296	16	0.00158707	0.464607219	0.630981704
cg03579904	LOC1001296	16	0.00597188	0.580232673	0.690297563
cg25322596	LOC1001300	1	0.00063477	0.633286687	0.733953391
cg03059126	LOC1001303	1	0.00522569	0.42605753	0.622951073
cg02694925	LOC1001305	18	0.00617585	0.344038211	0.589437336
cg21671248	LOC1001307	12	0.01855298	0.264873329	0.382162204
cg14466863	LOC1001308	4	0.00023576	0.284379092	0.408836908
cg14505741	LOC1001308	4	0.00425981	0.284273569	0.413650593
cg26130533	LOC1001308	4	0.0273584	0.37418728	0.498093696
cg21987921	LOC1001308	4	0.00016884	0.513164975	0.672667071
cg15986469	LOC1001308	4	0.01156848	0.138241396	0.276110275
cg18085660	LOC1001308	4	0.03308992	0.258621781	0.377513532
cg09865015	LOC1001308	4	0.01209214	0.41997136	0.533553206
cg07686392	LOC1001308	4	0.00417963	0.600433744	0.700624333
cg04859117	LOC1001335	11	0.00051123	0.373741843	0.592662896
cg09248429	LOC1001335	11	0.0006999	0.204963973	0.383557392
cg18716210	LOC1001335	11	0.00266459	0.169918858	0.29065717
cg20494635	LOC1001335	11	0.0008433	0.181073711	0.293499539
cg10276301	LOC1001335	11	0.00387614	0.15893384	0.2634765
cg24143374	LOC1001336	1	0.00739603	0.379018864	0.506575704
cg11983469	LOC1001336	1	0.01955203	0.575623646	0.677424982
cg04517258	LOC1001336	8	0.00022274	0.206106878	0.417606608
cg18034368	LOC1001697	10	0.00861111	0.50699794	0.70463805
cg00273657	LOC1001697	10	0.00263974	0.710981632	0.827401662
cg03141090	LOC1001697	10	0.00127444	0.748526675	0.860773436
cg00526835	LOC1001889	10	0.00571582	0.146837859	0.368837164
cg23697796	LOC1001889	10	0.03996044	0.096388912	0.213435765
cg19192065	LOC1001889	10	0.02869408	0.095697781	0.209536106
cg18530107	LOC1001889	10	0.0105633	0.328276581	0.429747904
cg03184472	LOC1002717	2	0.01010206	0.287250403	0.449821818
cg08390901	LOC1002872	2	0.00350021	0.56189753	0.708605067
cg03846641	LOC1002872	2	0.00107537	0.156018048	0.302186343
cg25308803	LOC1002872	2	0.00153318	0.192557446	0.338395513

cg14892517	LOC1003026	2	0.03172944	0.562717802	0.678818101
cg08611810	LOC1003026	2	8.27E-05	0.292978091	0.460046558
cg13356253	LOC1003026	2	0.00084167	0.339089643	0.495169153
cg00701946	LOC1003026	2	0.00017209	0.202630912	0.354640361
cg12451530	LOC1003026	2	0.00089986	0.273025597	0.422724287
cg19878627	LOC1003026	2	0.00177452	0.421986615	0.535984717
cg05414908	LOC1003026	2	0.00052769	0.421397591	0.534690543
cg00735454	LOC121838	13	0.00477065	0.215916547	0.438173868
cg03826194	LOC121838	13	0.02514714	0.244160349	0.446411462
cg21247923	LOC121952	13	0.00012554	0.601850773	0.793095607
cg09887906	LOC121952	13	0.00168845	0.33094947	0.511476921
cg09287356	LOC121952	13	0.00445291	0.437502587	0.592423801
cg00009871	LOC121952	13	0.00114637	0.437574172	0.580043792
cg24427175	LOC121952	13	0.00584864	0.521583025	0.626124265
cg15996534	LOC134466	5	0.00081625	0.228583903	0.340961879
cg27053629	LOC145474	14	0.02839655	0.568416288	0.708810111
cg00610310	LOC146336;S	16	0.00119943	0.228088149	0.335656169
cg22714290	LOC148696	1	0.00306077	0.328934931	0.524799515
cg22793142	LOC148696	1	0.00145124	0.528316367	0.667212823
cg19257274	LOC148696	1	0.04777563	0.320816005	0.445091624
cg20426361	LOC150622	2	0.0013448	0.269247314	0.477063516
cg04747036	LOC150622	2	0.00175815	0.151005499	0.260456713
cg08348461	LOC151162	2	0.00290729	0.661021244	0.787215424
cg03749915	LOC154822	7	0.01154578	0.547500818	0.664575386
cg07580867	LOC283050;L	10	0.00428935	0.381668528	0.545542827
cg17028595	LOC283050;L	10	0.00403946	0.243893615	0.384407988
cg04317051	LOC283663	15	0.00632072	0.399542312	0.517065848
cg01130056	LOC283867	16	0.01319677	0.678932753	0.781970893
cg25100722	LOC284688	1	0.045332	0.151944227	0.271080591
cg16431787	LOC285768;L	6	0.01379328	0.178558594	0.32939127
cg24288715	LOC285796	6	0.00095485	0.523986457	0.680755808
cg18306983	LOC285830;L	6	0.02291884	0.46334546	0.567152135
cg16415646	LOC285954;L	7	0.0013563	0.165212029	0.397471302
cg02317313	LOC338799	12	0.01271427	0.198110457	0.303335303
cg20487548	LOC339568	20	0.01213112	0.595208076	0.705937237
cg13821227	LOC339674	22	0.00936536	0.655825434	0.799979366
cg06270545	LOC390595	15	0.03002305	0.141899476	0.259019019
cg01291474	LOC390595	15	0.03526841	0.112155918	0.212704365
cg06811361	LOC399959;N	11	0.00248704	0.453349738	0.73222386
cg27518240	LOC400804	1	0.04299707	0.122690256	0.2412819
cg11538810	LOC400931	22	0.00476497	0.229968388	0.335582884
cg00927666	LOC402644	7	0.00839451	0.186333329	0.391149158
cg25548834	LOC402644	7	0.03748623	0.472495486	0.609260363
cg14286546	LOC440173	9	0.0446706	0.602446466	0.754797387
cg24235633	LOC440356;L	16	0.04694227	0.496910105	0.598224867
cg00060374	LOC441869;L	1	0.00015412	0.221268487	0.372572134

cg15633699	LOC441869;L	1	0.00011358	0.678627651	0.791990053
cg18233411	LOC552889;L	12	0.03694025	0.583593273	0.69457991
cg02536995	LOC553137	6	0.00339914	0.224375231	0.388010294
cg00600617	LOC553137	6	0.01054342	0.106729318	0.223065227
cg00842231	LOC55908;D	19	0.00466373	0.578935845	0.690705119
cg04946709	LOC644649	16	0.02051155	0.582038769	0.753498852
cg20148389	LOC646982;L	13	0.00110317	0.518655405	0.71561777
cg08569979	LOC646982;L	13	0.00083967	0.411033492	0.596374944
cg13750802	LOC646982;L	13	0.00375262	0.412361523	0.594268688
cg11510891	LOC646982;L	13	0.00117894	0.231082751	0.371085711
cg13159985	LOC646982;L	13	6.34E-05	0.746823088	0.863166495
cg10945881	LOC650623	10	0.02327723	0.758214649	0.870381814
cg16314851	LOC723809	7	0.0015965	0.327711202	0.562541681
cg18055067	LOC728264	5	0.03518694	0.515156088	0.61888553
cg15954353	LOC728392	17	0.00371521	0.138793187	0.282744105
cg09205190	LOC728392;L	17	0.00318196	0.181484555	0.349286185
cg26476173	LONP2	16	0.04267182	0.229098588	0.364022845
cg09916599	LOXL1	15	0.00015308	0.481286799	0.659560752
cg06768079	LOXL2	8	5.80E-05	0.427792259	0.666072401
cg04259752	LOXL2	8	0.00033097	0.221736356	0.350702104
cg00326251	LOXL2	8	0.00204948	0.343278547	0.461842468
cg14231369	LPAR1;LPAR1	9	0.00791582	0.675057705	0.78834958
cg21422605	LPAR3	1	0.00166148	0.374278754	0.522593658
cg00281273	LPCAT1	5	0.00341935	0.240793968	0.382309951
cg00857851	LPCAT1	5	0.00702195	0.508897873	0.622289416
cg20962974	LPCAT1	5	0.0007631	0.554760112	0.666816665
cg22193276	LPIN1	2	0.00684642	0.550629278	0.652721249
cg15052335	LPIN2;LPIN2	18	0.04674998	0.39106597	0.527525431
cg08326019	LPPR2;LPPR2	19	0.00240818	0.333941173	0.511548001
cg22486630	LPPR2;LPPR2	19	0.00524911	0.476524242	0.630578716
cg18365406	LPPR2;LPPR2	19	0.00760391	0.302512246	0.409950655
cg24840300	LPPR3	19	0.01299946	0.554905496	0.656729225
cg03729251	LRBA	4	0.00174397	0.185959217	0.346911071
cg12035325	LRBA	4	0.0111003	0.586611651	0.724529026
cg02075410	LRBA;MAB21	4	0.02187894	0.310340655	0.411303531
cg17920789	LRCH1;LRCH:	13	0.00437567	0.202572494	0.417538125
cg00002033	LRFN1	19	0.00083008	0.257949059	0.399091928
cg20608100	LRFN1	19	0.00294047	0.309550512	0.435781231
cg26910511	LRFN1	19	0.00064895	0.321117568	0.446673352
cg11198596	LRIG1	3	0.00621626	0.145725197	0.309177482
cg26053346	LRIG1	3	0.02533514	0.244523039	0.401362072
cg05543520	LRIG1	3	0.01086989	0.148704588	0.28745366
cg22459236	LRIG3;LRIG3	12	0.00033097	0.455178208	0.699674363
cg14621254	LRP1	12	0.00039476	0.231532781	0.390678912
cg06715885	LRP1	12	0.00407264	0.680926023	0.794708726
cg10815420	LRP12;LRP12	8	0.01675828	0.370041933	0.493466813

cg00603435	LRP1B	2	0.00642243	0.231417529	0.361939098
cg13738327	LRP5	11	0.00129609	0.332848326	0.570890777
cg16409259	LRP5	11	0.00157159	0.290239864	0.495419149
cg05754939	LRP5	11	0.00012191	0.240888002	0.404257019
cg25781963	LRP5	11	0.01382589	0.420336855	0.574650561
cg08648997	LRP5	11	0.0330537	0.212240873	0.352404972
cg12832726	LRP5	11	0.00977973	0.157645803	0.260003771
cg10028983	LRP5	11	0.01277069	0.719612335	0.821129216
cg11950754	LRP8;LRP8;LF	1	0.0002921	0.296321953	0.54987906
cg04483460	LRP8;LRP8;LF	1	0.01960128	0.142869262	0.305148347
cg19745317	LRP8;LRP8;LF	1	0.01611774	0.530829977	0.652578543
cg16429063	LRP8;LRP8;LF	1	0.01156187	0.728327981	0.841054299
cg20389822	LRPAP1	4	0.00116242	0.491080568	0.611432423
cg20437668	LRPAP1	4	0.00119813	0.681623945	0.801684355
cg16465012	LRPAP1	4	0.00039987	0.614959937	0.734219412
cg01239922	LRR14B	5	0.00075438	0.180533084	0.305081799
cg19091930	LRR14B	5	0.00832419	0.349988642	0.458914169
cg26692873	LRR16A	6	0.00298084	0.557792488	0.716776904
cg16875182	LRR2;TDGF1	3	0.00221248	0.360106844	0.480872656
cg10242476	LRR2;TDGF1	3	0.04628018	0.295977637	0.398693615
cg24602245	LRR47	1	0.00651624	0.443675036	0.626195915
cg12231584	LRR47	1	0.04401351	0.340801612	0.454557188
cg07566790	LRR48;LRR48	17	0.01530789	0.28118447	0.426391535
cg03153397	LRR48;LRR48	17	0.04900507	0.369836215	0.495346031
cg04823676	LRR56	11	0.00137259	0.607516882	0.70763877
cg21011621	LRR59	17	0.00552274	0.375529118	0.491238592
cg21681702	LRR7	1	0.00260668	0.641402983	0.764881267
cg21198455	LRR8A;LRR8A	9	0.00011244	0.435729107	0.597271302
cg14206615	LRR8A;LRR8A	9	0.00158432	0.672875729	0.791318978
cg09818397	LRR8B;LRR8B	1	0.04474655	0.212216084	0.362733717
cg17603219	LRR8D;LRR8D	1	0.02205213	0.322447099	0.501197408
cg05578673	LRR8D;LRR8D	1	0.01650656	0.093658348	0.199011281
cg04550950	LRR8D;LRR8D	1	0.00721619	0.154209831	0.255736358
cg02524003	LRR11;LRR11	8	0.00452623	0.737765747	0.888399013
cg24305555	LRR12;LRR12	3	0.00189278	0.549876572	0.747402822
cg27373390	LRR12;LRR12	3	0.0186822	0.265937653	0.441704212
cg00211625	LRR14	3	0.03189542	0.575515531	0.708104248
cg07165120	LRR1	15	0.02055077	0.289315799	0.478187766
cg11408395	LRR1	15	0.00011784	0.659139554	0.80898998
cg15042142	LRR1	15	0.00168264	0.669190545	0.779005179
cg12664938	LRR2	12	0.00217777	0.788753362	0.890935575
cg27313674	LRR4	20	0.00287931	0.386215192	0.537596217
cg08963013	LRR14	2	0.00628502	0.54236832	0.795437549
cg11532513	LRR1;CACN1	3	0.01602748	0.511991739	0.638763632
cg23352483	LSAMP	3	0.00907447	0.261753291	0.413495195
cg03538814	LRR14A;LRR14A	19	0.01975689	0.36779079	0.490985503

cg13197551	LSM14B	20	0.00178692	0.317183194	0.448094189
cg18088415	LSM2	6	0.04141711	0.556061282	0.656386232
cg09245582	LSM4	19	0.00030197	0.407177142	0.651798134
cg05409391	LSP1	11	0.00557246	0.755717543	0.878491515
cg05003723	LSP1	11	0.0148688	0.695669852	0.801756363
cg08687540	LSP1;LSP1;LS	11	0.00342359	0.121175768	0.24223215
cg16903735	LSP1;LSP1;LS	11	0.00046123	0.185355267	0.335067713
cg09956037	LSP1;LSP1;LS	11	0.00985154	0.306809922	0.451846979
cg04650653	LSP1;LSP1;LS	11	0.00203741	0.149707375	0.283569218
cg09989681	LSP1;LSP1;LS	11	0.00042464	0.272800904	0.392024695
cg24552015	LSP1;LSP1;LS	11	0.00138801	0.303938078	0.417749192
cg03483046	LSP1;LSP1;LS	11	0.03190669	0.188814319	0.294327737
cg15079934	LSP1;LSP1;LS	11	0.00136587	0.299751013	0.446073619
cg26897904	LSP1;LSP1;LS	11	0.00053366	0.204434572	0.337456
cg07164388	LTB4R2;LTB4	14	0.01455198	0.561157927	0.680580163
cg18658787	LTBP1;LTBP1	2	0.02003493	0.285807503	0.4379857
cg27317046	LTBP2	14	0.00168709	0.2056609	0.427442613
cg25980489	LTBP2	14	0.02499988	0.315460891	0.446194136
cg24164786	LTBP2	14	0.02196807	0.188341932	0.288541526
cg23272978	LTBP3;LTBP3	11	0.00575903	0.532116208	0.656490846
cg07676093	LTBP3;SCYL1	11	0.011311	0.29886496	0.402437732
cg01564640	LTBP4;LTBP4	19	0.00181442	0.316084736	0.481842108
cg26504110	LTBP4;LTBP4	19	0.00277881	0.136513038	0.299644423
cg22046408	LTBP4;LTBP4	19	0.03271682	0.129866942	0.253521587
cg02637086	LTBP4;LTBP4	19	7.57E-05	0.286968099	0.407385253
cg21784305	LUZP2	11	0.0323223	0.62010176	0.776516162
cg22706992	LVRN	5	0.00039095	0.324788715	0.544179496
cg12130935	LY6E;LOC100	8	0.01376109	0.107563292	0.212750461
cg26877565	LY6G6C	6	0.01572819	0.437118173	0.551566193
cg08342194	LY6G6E;LY6G	6	0.01516306	0.18604879	0.291339951
cg18805892	LY9;LY9	1	0.02484791	0.157714904	0.314020399
cg12810626	LY9;LY9	1	0.0302123	0.096539938	0.219735727
cg23050079	LY9;LY9	1	0.01781725	0.382702812	0.487077675
cg08090164	LYNX1;LYNX1	8	0.00526752	0.206801441	0.36749545
cg19021188	LYNX1;LYNX1	8	0.02254622	0.183920243	0.288117914
cg11812233	LYPD1;LYPD1	2	0.01985488	0.17723984	0.314153802
cg24469412	LYPD1;NCKAI	2	0.01577799	0.670688042	0.810089784
cg19753174	LYPLAL1	1	0.00033508	0.232581648	0.44285388
cg26554494	LYPLAL1	1	0.03730166	0.729867966	0.859856282
cg10084509	LYRM1;LYRM	16	0.0082955	0.77297853	0.87666504
cg02357637	LYSMD4	15	0.00070541	0.225536056	0.377336188
cg06887283	LYST	1	0.0022717	0.833918311	0.935596594
cg14085715	MACC1	7	0.01261636	0.362003948	0.556056719
cg18647268	MACF1	1	0.01810004	0.133524184	0.242239625
cg04683210	MACROD1	11	8.11E-05	0.382293352	0.637502274
cg19324462	MACROD1	11	0.00015136	0.405861439	0.604201395

cg02374207	MACROD1	11	0.00782656	0.164022474	0.314690841
cg09705456	MACROD1	11	0.00048607	0.590967898	0.738826194
cg22011888	MACROD1	11	0.00068439	0.441484771	0.58701983
cg15769472	MACROD1	11	0.00166866	0.169757742	0.291271907
cg16519399	MACROD1	11	0.00181882	0.137946208	0.250583255
cg19285478	MACROD1	11	0.00523031	0.304099613	0.404588668
cg00749118	MAD1L1;MA	7	0.0017351	0.320927845	0.594657653
cg02421172	MAD1L1;MA	7	0.00483829	0.2008941	0.425923796
cg10534659	MAD1L1;MA	7	0.00706536	0.163310468	0.380135328
cg05985070	MAD1L1;MA	7	0.00124465	0.225155323	0.437607662
cg16222367	MAD1L1;MA	7	0.0003561	0.396753109	0.604737145
cg22963979	MAD1L1;MA	7	0.00412738	0.24564823	0.450496219
cg11852646	MAD1L1;MA	7	0.00022274	0.4905257	0.661928263
cg05434287	MAD1L1;MA	7	0.01660492	0.471305691	0.627959166
cg04596071	MAD1L1;MA	7	8.60E-05	0.27139774	0.418784738
cg21004924	MAD1L1;MA	7	0.01805312	0.534243774	0.673259587
cg06624731	MAD1L1;MA	7	0.02772245	0.368496967	0.507438874
cg05533001	MAD1L1;MA	7	0.00048673	0.414178926	0.552631775
cg17103856	MAD1L1;MA	7	0.04870245	0.524896169	0.66248862
cg08712631	MAD1L1;MA	7	0.00314371	0.622871019	0.750726036
cg20459911	MAD1L1;MA	7	0.00033557	0.525004018	0.652620878
cg18319104	MAD1L1;MA	7	0.0024427	0.626429709	0.750281133
cg00860321	MAD1L1;MA	7	0.00229611	0.244589433	0.365632048
cg24295561	MAD1L1;MA	7	0.0205315	0.437101894	0.555193499
cg09075743	MAD1L1;MA	7	0.02094143	0.497014221	0.613440262
cg09118048	MAD1L1;MA	7	0.00245144	0.201391655	0.316583926
cg07556911	MAD1L1;MA	7	0.03301683	0.526301593	0.640126019
cg07167778	MAD1L1;MA	7	0.00921941	0.413178631	0.526062028
cg17551891	MAD1L1;MA	7	0.0119762	0.694531758	0.806055646
cg17498476	MAD1L1;MA	7	0.00274369	0.18513905	0.295714966
cg06994282	MAD1L1;MA	7	0.00105816	0.70141016	0.809954533
cg27238358	MAD1L1;MA	7	0.00397035	0.606241807	0.713075917
cg15225688	MAD1L1;MA	7	0.03248888	0.229304412	0.33597673
cg27212520	MAD1L1;MA	7	0.00176495	0.47932744	0.585197146
cg12964697	MAD1L1;MA	7	0.00046135	0.631610481	0.734421481
cg03043709	MAD1L1;MA	7	0.0007719	0.752954684	0.853408729
cg04863758	MAEA;MAEA	4	0.00321628	0.163935637	0.287488339
cg11571453	MAEA;MAEA	4	0.02751787	0.682455272	0.790318142
cg03207121	MAFK	7	0.01837033	0.318142905	0.439248694
cg04014889	MAGEL2	15	0.00405065	0.62401079	0.756867462
cg00650672	MAGI1;MAG	3	0.03945067	0.447469604	0.564839957
cg03127558	MAMSTR	19	0.00854763	0.480357113	0.622756451
cg10404009	MAMSTR;RA	19	0.00753156	0.130064143	0.254474077
cg24661274	MAP1B	5	0.00226025	0.436436911	0.629557679
cg11330139	MAP1S	19	0.01543312	0.340035126	0.456405404
cg04589021	MAP2K3;MA	17	0.00014702	0.207220978	0.404649346

cg06076794	MAP2K3;MA	17	0.00576425	0.606091957	0.717417068
cg26779305	MAP2K4;MIF	17	0.00493799	0.179379837	0.367096182
cg26333219	MAP2K5;MA	15	0.00120205	0.663884966	0.79089445
cg23696864	MAP2K6	17	0.00932953	0.297063279	0.44470561
cg04798016	MAP3K11	11	0.00144184	0.30629516	0.466780517
cg01180479	MAP3K11	11	0.00050977	0.264455653	0.405534772
cg19044229	MAP3K11	11	0.00028774	0.332437738	0.454612774
cg19811337	MAP3K11	11	0.00888326	0.144423035	0.244559592
cg25138713	MAP3K4;MA	6	0.00617874	0.502857305	0.65635192
cg26038649	MAP3K6	1	0.00010233	0.268278542	0.410988913
cg11705208	MAP3K6	1	0.00014848	0.402239561	0.50622292
cg02634454	MAP4;MAP4	3	0.00548564	0.524315806	0.64454744
cg04388901	MAP4;MAP4	3	0.01564889	0.558493061	0.706563014
cg18633587	MAP4;MAP4	3	0.03717305	0.585920411	0.690760738
cg00857862	MAP4;MAP4	3	0.00501281	0.190439275	0.327589783
cg02798280	MAP4K1;MA	19	0.00047393	0.324675405	0.457779158
cg05258935	MAP4K1;MA	19	0.00324432	0.137245953	0.255246234
cg25934954	MAP4K2	11	0.01277792	0.22874115	0.329961464
cg18489755	MAP6D1	3	0.04383202	0.190032575	0.330189886
cg17452384	MAPK10;MA	4	0.01171131	0.533904084	0.686312552
cg22117438	MAPK10;MA	4	0.00109101	0.698971817	0.835368556
cg16054907	MAPK11	22	0.00137324	0.223127933	0.353853412
cg26033870	MAPK14;MA	6	0.00899731	0.661589131	0.814693536
cg02994291	MAPK8IP3;M	16	0.00167449	0.273281287	0.396488108
cg07870479	MAPK8IP3;M	16	0.00303835	0.288248462	0.409252993
cg26812585	MAPKAPK2;M	1	0.00142822	0.419312716	0.521491983
cg04059696	MAPRE3	2	0.00637775	0.351009835	0.459433476
cg16963138	MARCH10	17	0.00678283	0.437204799	0.573886957
cg14622443	MARCH10	17	0.02124436	0.370077113	0.489144563
cg18640536	MARCH3	5	0.00109064	0.219802998	0.42537716
cg09034795	MARK2;MAR	11	0.00040028	0.206163554	0.403554392
cg06982473	MARK2;MAR	11	0.00118022	0.253334338	0.40254608
cg21609804	MARK2;MAR	11	0.00174853	0.166373301	0.315561604
cg10689689	MARK2;MAR	11	0.00724983	0.174963926	0.303913269
cg18140824	MASP1;MASI	3	0.00098232	0.357070624	0.585130594
cg03726312	MAST3	19	0.00030197	0.735561573	0.854034619
cg17462107	MAST4;MAS	5	0.00222031	0.216215103	0.393279364
cg17461278	MATN1	1	0.01084174	0.365445423	0.537195347
cg04348183	MATN1	1	0.00031857	0.577437344	0.741879491
cg14183455	MATN1	1	0.00078633	0.628390273	0.765928226
cg24531825	MATN1;MAT	1	0.00195659	0.52441875	0.65984766
cg21745307	MATN4;RBPJ	20	0.00299046	0.450328575	0.636782308
cg12429065	MB	22	0.00295749	0.274476417	0.485048367
cg02312594	MBD3	19	0.02919783	0.523165365	0.676216595
cg00524814	MBL2	10	0.04699355	0.403894444	0.506956848
cg11862665	MBNL2;MBN	13	0.00019475	0.509539396	0.667470241

cg13895393	MBNL2;MBN	13	0.02949224	0.134631493	0.272422947
cg06155414	MBNL2;MBN	13	0.04052836	0.464714777	0.599833537
cg06784689	MBNL2;MBN	13	0.02689177	0.633796801	0.755306452
cg15683856	MBNL2;MBN	13	0.02934338	0.548176241	0.660152099
cg17266581	MBP;MBP	18	0.00035435	0.173235926	0.342997372
cg23470914	MBP;MBP	18	0.00043188	0.606030876	0.748844777
cg25743490	MBP;MBP	18	0.00827513	0.389404098	0.509616677
cg11466309	MBTD1	17	0.02178846	0.666986152	0.799838567
cg15676677	MCC;MCC	5	0.04817671	0.112094072	0.251790584
cg02481669	MCCD1	6	0.00362218	0.437786706	0.586867906
cg21609154	MCF2L	13	0.00091008	0.297424942	0.429434553
cg16277139	MCF2L;MCF2	13	0.00331688	0.529974787	0.697420175
cg16100355	MCF2L;MCF2	13	0.03421872	0.344631161	0.493486847
cg20732304	MCF2L;MCF2	13	0.00649732	0.309367185	0.453938796
cg25101225	MCF2L;MCF2	13	0.02469246	0.311724624	0.412208991
cg05502478	MCF2L2	3	0.02649769	0.382233239	0.542719628
cg06264060	MCHR1	22	0.00184507	0.15656857	0.304650511
cg24854681	MCM7;MCM	7	0.00143752	0.330294756	0.438201851
cg02621376	MCOLN2	1	0.01752457	0.140467035	0.254240864
cg09035995	MCPH1	8	0.0170157	0.479625605	0.651176262
cg19511748	MCTP1;MCTI	5	0.00051245	0.542580084	0.680104869
cg14086013	MDFI	6	0.0003561	0.276545	0.400957065
cg13612207	MDFI	6	0.00064198	0.247752943	0.36609641
cg23671901	MDFI	6	0.00119039	0.335764207	0.447835582
cg14558568	MDFI	6	0.00798031	0.223213692	0.330046209
cg01550799	MDFIC;MDFI	7	0.00658284	0.201442334	0.314015008
cg05918292	MDGA2	14	0.00860385	0.572422712	0.683177254
cg16701167	ME1	6	0.02126461	0.228388857	0.368980412
cg12328429	ME3;ME3;MI	11	0.00218276	0.478666553	0.653229996
cg01384290	MECOM	3	0.00287222	0.49583296	0.644303007
cg01787382	MECOM	3	0.04483627	0.330349569	0.474167369
cg24474182	MED12L;P2R	3	0.00460554	0.742012459	0.862271957
cg15877399	MED13L	12	0.00742961	0.447875068	0.650513069
cg01626895	MED13L	12	0.03478071	0.597324347	0.73502356
cg05133323	MED13L	12	0.03098142	0.601877482	0.706865026
cg24367761	MED23;MED	6	0.00745969	0.774346452	0.8960738
cg15412772	MED24;MED	17	0.00081592	0.16938685	0.319439052
cg17344932	MED24;MED	17	0.01395396	0.240543073	0.38580006
cg14300812	MED27	9	0.01057537	0.737474926	0.845112714
cg16126137	MEG8	14	0.02581531	0.122377082	0.251070231
cg26450275	MEGF10	5	0.00063743	0.420923191	0.654133172
cg22760690	MEGF11	15	0.00103787	0.384651031	0.591587497
cg12402129	MEGF11	15	0.04390889	0.450663509	0.556599972
cg06511312	MEGF6	1	0.00028199	0.270348542	0.463280542
cg27450668	MEGF6	1	0.00035687	0.228289985	0.411156003
cg20826162	MEGF6	1	0.00370254	0.153299626	0.29512212

cg05334053	MEGF6	1	0.00406002	0.589188884	0.725339309
cg18553657	MEGF8	19	0.00115876	0.51389111	0.617615749
cg06994420	MEIS1	2	0.01866234	0.361635883	0.522539226
cg01863674	MEIS1	2	0.00641834	0.536408794	0.684659262
cg21177426	MEIS2;MEIS2	15	0.00313275	0.314246801	0.609569645
cg25221496	MEIS2;MEIS2	15	0.00429784	0.508397253	0.759586687
cg19010490	MEIS2;MEIS2	15	0.00296178	0.297086439	0.51800099
cg04339553	MEIS2;MEIS2	15	0.00967567	0.353604719	0.565297719
cg02377544	MEIS2;MEIS2	15	0.00599819	0.323300724	0.505575124
cg26708220	MEIS2;MEIS2	15	0.02884333	0.22618741	0.375562445
cg25447144	MEIS2;MEIS2	15	0.01443212	0.568216837	0.692102146
cg23677243	MEIS2;MEIS2	15	0.04693986	0.246037764	0.348250737
cg26585007	MERTK	2	0.00526678	0.571101144	0.722290966
cg13831540	MESTIT1;ME	7	0.00015801	0.228359063	0.41379844
cg07829809	METAP1	4	0.00684234	0.787297566	0.936022945
cg03260530	METRNL	17	0.00381787	0.309005707	0.48693215
cg16002136	METRNL	17	9.29E-05	0.603512916	0.770958966
cg22846776	METT10D	17	0.00144872	0.54794113	0.671863903
cg02148547	METT11D1;N	14	0.03996044	0.359770036	0.493076323
cg16424082	METTTL7A	12	0.01039368	0.150857678	0.318868647
cg26396535	MEX3A	1	0.02026709	0.551289741	0.689764619
cg11717597	MEX3A	1	0.00155823	0.240634368	0.37145147
cg02895724	MEX3C	18	0.0448393	0.618287057	0.741654805
cg21304454	MFAP2;MFAI	1	0.00297432	0.227230435	0.405649417
cg12081372	MFAP3L;MF/	4	0.03098552	0.155142766	0.30185767
cg12618270	MFHAS1	8	0.04581502	0.128783538	0.240364056
cg00637433	MFI2;MFI2	3	8.75E-05	0.462046905	0.724547543
cg03784611	MFI2;MFI2	3	0.0005626	0.311095448	0.469301085
cg21856334	MFI2;MFI2	3	0.00048329	0.378094236	0.515675738
cg01627785	MFI2;MFI2	3	0.01724144	0.366922156	0.483899246
cg04498801	MFSD10;MFS	4	0.01541982	0.50736705	0.64177124
cg16924045	MFSD6	2	0.00161922	0.235083001	0.480564595
cg19391560	MFSD6L	17	0.00063376	0.233474131	0.339702481
cg11685316	MFSD6L;MFS	17	0.00081592	0.161368134	0.320178403
cg18432414	MFSD6L;MFS	17	0.00094934	0.247630701	0.376617017
cg02203711	MGAT3	22	0.01552241	0.387587825	0.526463052
cg25015733	MGAT4A	2	0.02099255	0.597194386	0.704502038
cg07382437	MGC14436;N	12	0.03646663	0.497014243	0.610957796
cg27225658	MGC16275	17	0.00812057	0.525066241	0.638894278
cg11842367	MGC27382	1	0.0260371	0.149078351	0.284162433
cg19569684	MGC29506	5	0.00210225	0.42001493	0.568472808
cg18297349	MGC29506	5	0.01620828	0.42998891	0.545642035
cg03751055	MGMT	10	0.0317545	0.654602747	0.842784549
cg13171643	MGMT	10	0.00367824	0.349759521	0.529091865
cg25974017	MGMT	10	0.00420234	0.137866237	0.285913395
cg08883995	MGMT	10	0.03588673	0.293721079	0.438504631

cg02750154	MGMT	10	0.01234252	0.394020067	0.526689547
cg25145165	MGMT	10	0.00490262	0.435538148	0.556377198
cg18502933	MGMT	10	0.00901388	0.537204188	0.657832605
cg10505257	MGRN1;MGF	16	3.07E-05	0.224144892	0.479589947
cg00736299	MGRN1;MGF	16	3.33E-06	0.176710939	0.350866236
cg07812289	MGRN1;MGF	16	0.0005373	0.485544293	0.644205268
cg08147187	MGRN1;MGF	16	0.01128646	0.630829808	0.776182216
cg27436118	MGRN1;MGF	16	0.00037718	0.144380623	0.279289778
cg01156249	MGRN1;MGF	16	0.0130609	0.359589904	0.489245303
cg02074956	MGRN1;MGF	16	0.00026401	0.233029442	0.349220831
cg04071866	MGRN1;MGF	16	0.00838714	0.612799225	0.713781719
cg00033551	MGRN1;MGF	16	0.00060739	0.713386632	0.814356806
cg17456675	MIB2;MIB2;M	1	0.00014853	0.407719415	0.568732977
cg23080546	MICA	6	0.00200414	0.212067498	0.39874159
cg09210225	MICA	6	0.00362218	0.499166088	0.646876631
cg13139838	MICA	6	0.00815883	0.622108403	0.741612632
cg15242630	MICAL3;MIC	22	0.04583332	0.13793047	0.284458784
cg16519758	MICAL3;MIC	22	0.01055574	0.655957874	0.759426989
cg02492818	MICALL2	7	0.00032077	0.450645594	0.68268347
cg02759751	MICALL2	7	0.00020698	0.54285161	0.743423199
cg05242402	MICALL2	7	9.83E-05	0.513772512	0.662867716
cg11251690	MICALL2	7	0.0005324	0.5313141	0.678199432
cg22972565	MICB	6	0.00300848	0.520402924	0.646066214
cg08176140	MIDN	19	0.03502467	0.697496377	0.83478871
cg18151262	MIDN	19	0.00099592	0.397628012	0.534404632
cg07843568	MIDN	19	0.00081347	0.307914458	0.420259156
cg14773523	MINA;MINA;	3	0.01591096	0.377465918	0.530579081
cg22110517	MINK1;MINK	17	0.00297432	0.340548258	0.478312786
cg20330086	MINK1;MINK	17	0.02657226	0.618815579	0.723778027
cg17649671	MINPP1	10	0.01405082	0.098688258	0.255920762
cg23381224	MINPP1	10	0.01999399	0.707173306	0.824231215
cg18222371	MIR101-1	1	0.00021343	0.620965755	0.739515476
cg00699693	MIR140;WW	16	0.00679454	0.235220753	0.432537023
cg07281938	MIR140;WW	16	0.0012115	0.294430675	0.489088867
cg03417340	MIR140;WW	16	0.01192179	0.143708858	0.310609649
cg00158530	MIR140;WW	16	0.00581404	0.114815285	0.281354713
cg03848856	MIR140;WW	16	0.00527678	0.130216484	0.283337062
cg08209934	MIR140;WW	16	0.01465992	0.14195134	0.270560125
cg03549146	MIR140;WW	16	0.00337009	0.172145886	0.290050765
cg26514117	MIR181D;MI	19	0.00057472	0.518880398	0.6748675
cg10822545	MIR181D;MI	19	0.01480995	0.572536832	0.691708925
cg25214966	MIR199A2;D	1	0.0089915	0.102324571	0.204244826
cg22109930	MIR200B	1	0.02732441	0.527872958	0.632533768
cg26754262	MIR2052	8	0.0406583	0.101315768	0.202248873
cg11976164	MIR2054	4	0.00047744	0.734269483	0.897369499
cg08849095	MIR23B;C9o	9	0.03093169	0.161149581	0.285577349

cg02268620	MIR24-1;C9o	9	0.00012533	0.645433193	0.814901483
cg23131909	MIR26B;CTD'	2	0.00325222	0.259888951	0.381227017
cg15076217	MIR29C	1	6.24E-05	0.521364772	0.667539851
cg02875879	MIR302A;MI	4	0.03032443	0.426588568	0.554979823
cg04390865	MIR320B1	1	0.03612465	0.163352449	0.314319085
cg20632224	MIR320B1	1	0.04850074	0.138697872	0.265850802
cg00909706	MIR34A	1	0.01653577	0.417742089	0.524485671
cg10021238	MIR367;LARF	4	0.00203998	0.739915792	0.868836005
cg10006887	MIR377	14	0.0010416	0.245517978	0.379831628
cg18163364	MIR377	14	0.01089691	0.518300665	0.650487799
cg11134801	MIR377	14	0.01896662	0.300918433	0.431900897
cg04522625	MIR548A2	3	0.00166797	0.495252677	0.656402019
cg18697991	MIR548A2	3	0.03617884	0.173980988	0.30949065
cg23036340	MIR548H4;TI	15	0.00155676	0.251706284	0.403221789
cg09031823	MIR575;SCD'	4	0.0096298	0.203934571	0.349989112
cg10500570	MIR599;VPS1	8	0.03316444	0.745853578	0.872347436
cg20206204	MIR614	12	0.00652965	0.50122025	0.629048469
cg05346831	MIR614	12	0.04894458	0.440156656	0.544958691
cg18156845	MIR744;MAF	17	0.01743994	0.471033633	0.640616071
cg26015115	MIR758;MIR:	14	0.00019359	0.67330382	0.79424121
cg06549228	MIR758;MIR:	14	0.00244461	0.583854249	0.699875585
cg22030962	MIR874;KLHL	5	0.00555911	0.42055389	0.600687472
cg04063235	MIRLET7A3;L	22	0.00044198	0.442936662	0.570499692
cg22121941	MIRLET7A3;L	22	0.00266436	0.401887592	0.508733765
cg01113900	MITF;MITF;M	3	0.01405587	0.772596328	0.877606555
cg17397438	MKKS;MKKS	20	0.00779696	0.7498069	0.850461742
cg00926267	MKL1	22	0.00045743	0.363478939	0.530007287
cg07723431	MKNK2;MKN	19	0.00090107	0.341146223	0.508298089
cg00434573	MKNK2;MKN	19	0.00157385	0.308636242	0.424694914
cg07746514	MLEC	12	0.02766467	0.552006921	0.683959174
cg07218487	MLL2	12	0.00047626	0.647315789	0.756711507
cg11872373	MLL3	7	0.00043278	0.206168566	0.39041673
cg01969558	MLLT1	19	0.00318772	0.5855262	0.696036272
cg22501243	MLXIP	12	0.00397216	0.150403831	0.348134017
cg04049508	MMP2;MMP	16	0.00465827	0.395482228	0.51085505
cg12651286	MMP20	11	0.01231451	0.144539124	0.283113078
cg07954108	MMP21	10	0.00225432	0.694893756	0.829419104
cg05053594	MMP25	16	0.00177025	0.553168621	0.672051831
cg14589810	MMP28	17	0.04500625	0.431631827	0.540025425
cg04790749	MMP28;MM	17	0.02384035	0.261603908	0.415386986
cg17145397	MMP3	11	0.03524335	0.138169939	0.244007965
cg00187327	MN1	22	0.03135048	0.293005914	0.44155503
cg15529551	MNAT1	14	0.01623957	0.78798297	0.892163317
cg25159927	MON1A;MOI	3	0.03902842	0.409587127	0.516877799
cg19515390	MORG1;MOF	19	0.00054877	0.489061553	0.595372723
cg08868601	MORN1	1	0.00043819	0.398690301	0.592787911

cg16600733	MORN1	1	0.00079521	0.151541302	0.301825423
cg18155888	MORN1	1	0.00054493	0.218654696	0.367998908
cg22708961	MORN1	1	0.00094026	0.240728886	0.383864408
cg05787839	MORN1	1	0.00384181	0.266895316	0.391875379
cg09811127	MORN1;LOC:	1	0.00848735	0.52049383	0.637597004
cg10828284	MOV10L1;M	22	0.01110443	0.266536782	0.368440196
cg17050616	MOV10L1;M	22	0.00192681	0.272012774	0.397339616
cg11839415	MPL	1	0.02713001	0.292510118	0.427451577
cg18856478	MPL	1	0.00132031	0.156410073	0.25729996
cg20120371	MPP2	17	0.00272787	0.246580896	0.416755147
cg15406585	MPP7	10	5.79E-05	0.635754327	0.78017797
cg16527477	MPP7	10	0.0479268	0.302094752	0.40799339
cg09850478	MPPED1	22	0.00073359	0.19435007	0.363541444
cg20545941	MPPED1	22	0.00106511	0.20055148	0.3542225
cg26455386	MPRIP;MPRI	17	0.00609337	0.131267925	0.247816354
cg04589050	MPRIP;MPRI	17	0.03415368	0.672184382	0.787661073
cg12014368	MRAP;MRAP	21	0.04967949	0.748542411	0.853091397
cg16200799	MRC2	17	0.02705503	0.159968781	0.273103806
cg10883064	MRC2	17	0.02452013	0.584464732	0.689276143
cg03289072	MRC2	17	0.04997079	0.360574794	0.462258877
cg16405908	MRGPRES	11	0.00078633	0.259253626	0.420872088
cg23683010	MRGPRES	11	0.0081949	0.135176939	0.244064056
cg25807487	MRGPRF;MR	11	0.03520427	0.263760696	0.396942024
cg18850728	MRO;MRO;M	18	0.00776571	0.234734021	0.376542314
cg13644645	MRPL14	6	0.00985473	0.116785367	0.248834481
cg05595134	MRPL15	8	0.04405291	0.645922462	0.763163365
cg11375053	MRPL17	11	0.01554749	0.419939438	0.576314246
cg24399028	MRPL20	1	0.00052728	0.732410189	0.847008677
cg02928928	MRPL23	11	0.00033239	0.189852334	0.340227801
cg04881472	MRPL23	11	0.00088441	0.572765227	0.686318233
cg26913058	MRPL28	16	0.00523937	0.172170738	0.304019294
cg17519037	MRPL45	17	0.00657166	0.260029292	0.366237319
cg06995967	MRPS16;TTC	10	0.00115876	0.230280666	0.408706077
cg21817750	MRPS27	5	0.00390067	0.162602836	0.292894334
cg04955683	MRPS6	21	0.00945854	0.154093508	0.315536732
cg02556430	MRPS6;SLC5,	21	0.00010385	0.37732178	0.628743209
cg21291385	MRPS6;SLC5,	21	0.03900665	0.098165617	0.208309816
cg15505860	MRVI1;MRVI	11	0.04211689	0.406885066	0.526137476
cg08298091	MRVI1;MRVI	11	0.00294827	0.142747557	0.28695187
cg00510149	MRVI1;MRVI	11	0.01875627	0.512041461	0.654368366
cg22762189	MSGN1	2	0.01046564	0.426622682	0.55074514
cg22149471	MSI2	17	0.00126274	0.260922983	0.496007652
cg07159758	MSI2;MSI2	17	0.00493644	0.241125036	0.466896614
cg13654836	MSI2;MSI2	17	0.00141139	0.26450211	0.434855176
cg08788712	MSI2;MSI2	17	0.02547904	0.536083548	0.673439893
cg17045539	MSI2;MSI2	17	0.00133342	0.599923261	0.722238588

cg08677210	MSI2;MSI2	17	0.04473561	0.419751118	0.535487615
cg05347965	MSI2;MSI2	17	0.00103239	0.100261302	0.205435663
cg14264571	MSMP	9	0.02548028	0.114011135	0.224162538
cg01030886	MSRB3;MSRI	12	0.00259059	0.660531744	0.798310411
cg24402128	MST1P9	1	0.01060922	0.177970429	0.289140029
cg24528866	MSTN	2	0.01002355	0.692920258	0.805927649
cg09748975	MSX1	4	0.01795321	0.41483426	0.558279713
cg21538208	MSX1	4	0.00683353	0.297071839	0.431199718
cg19001023	MTA1	14	0.00247993	0.460066149	0.69420243
cg18238340	MTA1	14	0.01187959	0.340940364	0.513520457
cg24183741	MTA1	14	0.00082207	0.605194545	0.766107017
cg24727433	MTA1	14	0.02815116	0.465196483	0.610442778
cg27055366	MTA1	14	0.00016879	0.245564177	0.383282906
cg04425783	MTA1	14	0.01070376	0.274345117	0.377286553
cg14454796	MTERFD2;M'	2	0.0035466	0.642123586	0.783278299
cg24407092	MTERFD2;M'	2	0.00977973	0.59558526	0.724104261
cg18920088	MTHFD1L	6	1.50E-05	0.265238314	0.56255457
cg04718883	MTHFD1L	6	0.00390067	0.655466228	0.778220899
cg01354656	MTHFD1L	6	0.00059368	0.305741393	0.41627233
cg02285003	MTMR12	5	0.01414429	0.219847572	0.41170886
cg06740866	MTMR12	5	0.00275215	0.685022649	0.796437559
cg24683185	MTMR15	15	0.02686196	0.350489802	0.51423637
cg14256977	MTMR2;MTM	11	0.0021635	0.150193939	0.280591165
cg06094043	MTMR6	13	0.02367337	0.430010503	0.556183338
cg19977866	MTNR1B	11	0.0131784	0.743566854	0.854714624
cg07122170	MTOR;ANGP	1	0.02179004	0.250857487	0.427944686
cg14287403	MTR	1	0.00118049	0.197084111	0.351504387
cg23629187	MTSS1	8	0.03137571	0.543176365	0.693456378
cg01304894	MTSS1L	16	0.00133761	0.309926326	0.500795372
cg07813065	MTSS1L	16	0.00046123	0.367045055	0.551567061
cg07128900	MTSS1L	16	0.00015308	0.562372812	0.745808199
cg19075081	MTSS1L	16	0.00695634	0.347426986	0.522470113
cg08996445	MTSS1L	16	0.0078614	0.213605188	0.387303293
cg00147286	MTSS1L	16	0.0003673	0.541395036	0.675515611
cg04898035	MTUS1;MTU	8	0.0230262	0.524065665	0.665447359
cg02698708	MTUS1;MTU	8	0.00592295	0.36462752	0.491287459
cg19520498	MUC2	11	0.01642652	0.444224682	0.556863331
cg25566714	MUM1;MUM	19	0.00093472	0.766390518	0.913471395
cg02413187	MUM1;MUM	19	0.01207822	0.124557073	0.233844447
cg03875235	MUPCDH;ML	11	0.00146863	0.338551312	0.439894819
cg13937462	MUPCDH;ML	11	0.0060033	0.402953308	0.527075212
cg14161107	MUSK;MUSK	9	0.00976837	0.341876862	0.526782898
cg21547371	MUSTN1	3	0.03982784	0.12258662	0.228110372
cg00367863	MVP;MVP	16	0.01212269	0.609406801	0.723388681
cg06439269	MXD4	4	0.00148934	0.668152973	0.770720331
cg08459783	MXD4	4	0.00750603	0.309418124	0.411287677

cg00004089	MXRA7;MXR	17	0.00723779	0.59325265	0.715177924
cg13393580	MXRA8	1	0.00237505	0.284531301	0.404564288
cg04863197	MYADML2	17	0.00102382	0.292570011	0.42662413
cg13189020	MYBBP1A;M	17	0.00119463	0.229871517	0.393798476
cg25930644	MYH10	17	0.02345788	0.399848997	0.538739091
cg15598069	MYH10	17	0.0403502	0.591724177	0.728225684
cg01828111	MYH11;NDE:	16	0.02313154	0.630250025	0.750455031
cg26749543	MYH9	22	0.00012533	0.261397834	0.431127644
cg24899871	MYL10	7	0.00263535	0.320538473	0.478352098
cg10123201	MYL3	3	0.00258976	0.385635994	0.55255818
cg08936706	MYL3	3	0.0015227	0.342185852	0.49003039
cg26394191	MYLK;MYLK;l	3	0.00431698	0.670941562	0.799211438
cg20669834	MYLK;MYLK;l	3	0.01157963	0.583090754	0.717635774
cg19007948	MYLK4	6	0.00183826	0.189555085	0.396774145
cg05713044	MYO10	5	0.0190574	0.159005434	0.312004245
cg26264133	MYO18A;MY	17	0.00155676	0.430352449	0.659321607
cg20142309	MYO18A;MY	17	0.01406914	0.205087124	0.32283586
cg03134230	MYO1B;MYO	2	0.01063497	0.368124085	0.549762518
cg20929407	MYO1C;MYO	17	0.0491997	0.66752505	0.778738857
cg25809561	MYO1D	17	0.00440549	0.477673148	0.582163232
cg12416830	MYO1E	15	0.0499873	0.198959824	0.360658245
cg13523014	MYO1F	19	0.00163643	0.61123799	0.806268451
cg22987448	MYO1F	19	0.00028199	0.182907854	0.356095557
cg15254671	MYO1F	19	0.00012779	0.216773582	0.363859108
cg22132788	MYO1G	7	0.00049912	0.298592022	0.484238282
cg19089201	MYO1G	7	0.00134922	0.283248916	0.421282819
cg01379730	MYO3B;MYO	2	0.00055533	0.63682922	0.763373199
cg01868896	MYO5C	15	0.00450681	0.689421461	0.813597707
cg14100211	MYO9A;SENF	15	0.00015596	0.46822471	0.680881227
cg16526705	MYO9B;MYO	19	0.00030197	0.59077044	0.710235245
cg01410279	MYOC	1	0.02870269	0.276578068	0.467627805
cg00806505	MYOC	1	0.00095422	0.388156037	0.557619751
cg04852893	MYOCD;MYC	17	0.00784807	0.281705856	0.47466397
cg23636406	MYOCD;MYC	17	0.00821976	0.269916254	0.457824664
cg17800426	MYOZ3;MYO	5	0.00849739	0.152518667	0.28320954
cg07337385	MYOZ3;MYO	5	0.01764009	0.649480323	0.751651716
cg13214422	MYOZ3;MYO	5	0.00339033	0.604382672	0.729887289
cg08549216	MYST1;MYST	16	0.00073719	0.613659288	0.744203494
cg15370732	MYST2	17	0.00121732	0.589160867	0.758852195
cg11849327	MYST4	10	0.01633933	0.401189381	0.548477847
cg08789630	MYST4	10	0.00309376	0.67300071	0.809863828
cg06752157	MYST4	10	0.01071909	0.749899763	0.85413715
cg20860726	MYT1L	2	0.01752372	0.195273681	0.333016247
cg03852659	MYT1L	2	0.01635267	0.16488682	0.300117179
cg14987112	MYT1L	2	0.00521231	0.192186936	0.295632461
cg10178270	MYT1L	2	0.0203746	0.723319783	0.824678054

cg02493986	NACC2	9	0.00083967	0.344882651	0.633565633
cg13849232	NACC2	9	0.00392391	0.606291918	0.741796892
cg14152854	NACC2	9	0.00837394	0.569708152	0.698510717
cg17855991	NAP1L4	11	0.00095528	0.768038833	0.907434964
cg23954731	NAT14	19	0.00034495	0.323155839	0.43642793
cg06423357	NAT14	19	0.00050818	0.356821199	0.457834827
cg05029983	NAT8L	4	0.00612315	0.275124546	0.403530776
cg05695876	NAV1	1	0.00161376	0.168558316	0.341821954
cg19827875	NAV1	1	0.00076847	0.306276551	0.456559254
cg03400139	NAV1	1	0.01091352	0.30335132	0.426637494
cg20491406	NAV1	1	0.0008332	0.587663452	0.700994015
cg04287574	NAV1	1	0.01747975	0.125778656	0.231477902
cg14969261	NAV2	11	0.00071291	0.345195461	0.57215158
cg00491064	NAV2	11	0.00400678	0.201691079	0.354844735
cg18009574	NAV2;NAV2;	11	0.00524911	0.263256479	0.423477521
cg22701534	NAV2;NAV2;	11	0.04920134	0.261634303	0.406463148
cg19673484	NAV2;NAV2;	11	0.02581659	0.426357722	0.539341256
cg23371436	NAV2;NAV2;	11	0.00989705	0.35320543	0.494323875
cg09175834	NAV3	12	0.00666445	0.433842892	0.619289561
cg01816186	NBAS	2	0.00043795	0.382105869	0.59682695
cg09936572	NBPF1	1	0.02619352	0.330604049	0.47236214
cg10518282	NCAM1;NCA	11	0.02669489	0.208686426	0.339201502
cg19865916	NCDN;NCDN	1	0.00017364	0.456943832	0.64782309
cg19758142	NCEH1;NCEH	3	0.00593031	0.414427141	0.668736972
cg03729042	NCF2;NCF2	1	0.02705503	0.331430808	0.471980033
cg22687475	NCK2;NCK2;N	2	0.00083907	0.711012193	0.838833718
cg20444370	NCKAP1;NCK	2	0.00240366	0.331923975	0.455639941
cg06389574	NCKAP5;NCK	2	0.00658669	0.301116681	0.44347584
cg01290856	NCKAP5;NCK	2	0.03061367	0.380914633	0.497987795
cg24301352	NCLN	19	0.0053572	0.45724069	0.573981365
cg27015161	NCOA1;NCO	2	0.00370689	0.216801099	0.470241092
cg08325898	NCOA2	8	0.0277376	0.393610317	0.535288287
cg13335567	NCOA2	8	0.0281116	0.203338331	0.343270866
cg11197258	NCOR2;NCOF	12	0.00079501	0.242895113	0.520728164
cg10996589	NCOR2;NCOF	12	0.00112537	0.333045799	0.561586237
cg27044649	NCOR2;NCOF	12	0.00378906	0.37161959	0.564614564
cg19341309	NCOR2;NCOF	12	0.00263778	0.210324408	0.393952391
cg20494738	NCOR2;NCOF	12	0.00039343	0.67205953	0.85327805
cg17429587	NCOR2;NCOF	12	0.00019986	0.495713213	0.670651531
cg04544533	NCOR2;NCOF	12	0.0144246	0.535051396	0.699937479
cg10082088	NCOR2;NCOF	12	0.0004559	0.301616465	0.451071489
cg20251110	NCOR2;NCOF	12	0.00230022	0.469311477	0.617523651
cg10283674	NCOR2;NCOF	12	0.00046317	0.42155528	0.564207518
cg09831875	NCOR2;NCOF	12	0.00332444	0.198745207	0.335956655
cg27653901	NCOR2;NCOF	12	0.00294665	0.513660494	0.65027062
cg03406367	NCOR2;NCOF	12	0.01572819	0.134153066	0.266676414

cg08276543	NCOR2;NCOF	12	0.00035088	0.392325626	0.522400788
cg10849160	NCOR2;NCOF	12	0.01131519	0.160440703	0.286051862
cg24432389	NCOR2;NCOF	12	0.00117192	0.330609707	0.453491563
cg13712197	NCOR2;NCOF	12	0.03337939	0.147608097	0.270211436
cg20978380	NCOR2;NCOF	12	0.0151102	0.263373017	0.384199267
cg09676622	NCOR2;NCOF	12	0.00353612	0.419895571	0.537766612
cg11601197	NCOR2;NCOF	12	0.00725519	0.615990887	0.727304587
cg22611259	NCOR2;NCOF	12	5.39E-05	0.733612359	0.84273537
cg24461063	NCOR2;NCOF	12	0.00033097	0.711142128	0.816427191
cg24446009	NCOR2;NCOF	12	0.00093174	0.611729168	0.715554715
cg16496462	NCOR2;NCOF	12	0.01253961	0.257655324	0.361279932
cg04579183	NCRNA00052	15	0.00172792	0.486439761	0.736097938
cg10859327	NCRNA00093	10	0.0033214	0.233492998	0.510302308
cg03938110	NCRNA00110	21	0.00281272	0.230881306	0.392511855
cg02532853	NCRNA00114	21	0.00079617	0.308389535	0.49945872
cg13049432	NCRNA00114	21	0.00191206	0.519683361	0.652877613
cg12025048	NCRNA00162	21	0.00042579	0.27297471	0.397131023
cg17611512	NCRNA00175	21	0.00223186	0.257267901	0.389955408
cg25623524	NCRNA00181	19	0.00216608	0.151936925	0.308060526
cg04892600	NCRNA00188	17	0.01775944	0.197995902	0.32614246
cg26868806	NCRNA00200	10	0.00910949	0.460159072	0.572512334
cg02396982	NDE1;NDE1	16	0.00283284	0.525767165	0.66037785
cg10078898	NDRG2;NDRG	14	0.00220092	0.156664091	0.263640244
cg16674484	NDST1	5	0.03098552	0.263250567	0.395086159
cg08895618	NDST1	5	0.0202307	0.126523655	0.25778217
cg02633363	NDST1	5	0.01933209	0.351773454	0.458308584
cg15337815	NDST1	5	0.02477796	0.475101249	0.577706471
cg05143012	NDUFA4	7	0.00394117	0.707880256	0.836238554
cg08733553	NDUFAB1	16	0.00023311	0.606066723	0.750583648
cg07815856	NEBL	10	0.00285186	0.232316722	0.354446573
cg05690808	NECAB2	16	0.00209303	0.679717978	0.78075825
cg00525496	NEDD9;NEDD	6	0.01801339	0.471596425	0.593498195
cg13974765	NEK6;NEK6;N	9	0.0073659	0.2390404	0.362659857
cg02923047	NELF;NELF;N	9	0.00089898	0.378161446	0.495647926
cg11706790	NEU4;NEU4	2	0.00112761	0.465678429	0.647056274
cg18095041	NEU4;NEU4	2	0.00021379	0.372508498	0.546673322
cg16660312	NEU4;NEU4	2	0.00140413	0.34794635	0.497612413
cg24429037	NEU4;NEU4	2	0.01086792	0.507148011	0.641589145
cg10504150	NEU4;NEU4	2	0.00999412	0.581633042	0.692389879
cg20791593	NEU4;NEU4;I	2	0.00403581	0.242515783	0.416237534
cg01691332	NEURL1B	5	0.00098188	0.203157704	0.415200055
cg02358362	NEURL1B	5	0.00709029	0.154524961	0.292431968
cg22880770	NEURL3	2	0.00157575	0.237174508	0.339491712
cg17505852	NF2;NF2;NF2	22	0.02381159	0.161447759	0.336605048
cg20290360	NFASC;NFAS	1	0.00076994	0.695277664	0.796540762
cg13098379	NFASC;NFAS	1	0.00393003	0.506804544	0.685894377

cg27426044	NFASC;NFAS	1	0.01554364	0.350689609	0.480012177
cg12046837	NFASC;NFAS	1	0.01610414	0.368342184	0.471714205
cg04110750	NFAT5;NFAT	16	0.00333912	0.286032551	0.524539783
cg14715383	NFATC1;NFA	18	0.00382043	0.337795174	0.557521531
cg11321921	NFATC1;NFA	18	0.0144304	0.518058569	0.736039952
cg13731636	NFATC1;NFA	18	0.00503202	0.437839817	0.629475077
cg23240477	NFATC1;NFA	18	0.00941718	0.198642895	0.368905015
cg05859578	NFATC1;NFA	18	0.00158757	0.260636575	0.424033785
cg15517343	NFATC1;NFA	18	0.0011912	0.444222462	0.604160566
cg05718035	NFATC1;NFA	18	0.00180994	0.333178819	0.488813121
cg18590092	NFATC1;NFA	18	0.01170732	0.26896924	0.418786299
cg16536399	NFATC1;NFA	18	0.00272127	0.339068624	0.484682405
cg22532194	NFATC1;NFA	18	0.00430937	0.495411349	0.620669376
cg07740306	NFATC1;NFA	18	0.01096266	0.141620474	0.249147908
cg16182267	NFATC1;NFA	18	0.00067012	0.392365736	0.495382787
cg20542619	NFATC1;NFA	18	0.00707743	0.548983113	0.649567829
cg07342752	NFATC1;NFA	18	0.00031733	0.476162417	0.706306872
cg05264214	NFATC1;NFA	18	0.00043188	0.24449428	0.472246383
cg27019645	NFATC1;NFA	18	0.00050556	0.187846866	0.369373156
cg25546405	NFATC1;NFA	18	0.03176542	0.144659463	0.320984161
cg25951288	NFATC1;NFA	18	0.00299893	0.175382301	0.329655151
cg10357989	NFATC1;NFA	18	0.00231086	0.392870677	0.529134145
cg15532942	NFATC1;NFA	18	0.02556644	0.154986074	0.277625221
cg16308790	NFATC1;NFA	18	0.00502589	0.359640653	0.481917705
cg15908877	NFATC1;NFA	18	0.00064269	0.580627411	0.696767788
cg26915704	NFATC1;NFA	18	0.0448249	0.568056323	0.669193633
cg25332265	NFATC1;NFA	18	0.00055779	0.42714791	0.527848331
cg16253249	NFATC1;NFA	18	0.04190072	0.499187793	0.59985754
cg09773897	NFIC	19	0.01505709	0.42392558	0.571440104
cg16588649	NFIC;NFIC	19	0.0009184	0.374489654	0.56033666
cg15658793	NFIC;NFIC	19	0.0003023	0.173133456	0.313652806
cg27171201	NFIC;NFIC	19	0.00858452	0.244228115	0.364393151
cg22315974	NFIC;NFIC	19	0.00627185	0.126590727	0.245775474
cg15224023	NFIC;NFIC	19	0.00042172	0.283606328	0.392759487
cg21584759	NFIC;NFIC	19	0.00589751	0.349575116	0.457834444
cg04340258	NFIC;NFIC	19	0.00055312	0.253863201	0.360058275
cg05636830	NFIC;NFIC	19	0.02611542	0.641807901	0.742053853
cg22824635	NFIX	19	0.01036337	0.328948237	0.560190616
cg13649253	NFIX	19	0.02371532	0.308242202	0.476871835
cg06623668	NFIX	19	0.02014691	0.45604375	0.617783844
cg15783941	NFIX	19	0.00314371	0.235416612	0.38991217
cg01634146	NFIX	19	0.02144788	0.161622462	0.300075473
cg10767662	NFIX	19	0.03354806	0.121308299	0.242544546
cg09394128	NFIX	19	0.00053553	0.393883617	0.512670119
cg12522311	NFIX	19	0.00815285	0.155166228	0.270719357
cg19309341	NFIX	19	0.00116614	0.147235202	0.262205151

cg15787744	NFKBIE	6	0.00229967	0.495285137	0.615787882
cg12499092	NFYB	12	0.00011854	0.666403385	0.832786882
cg19433021	NFYB	12	0.00222195	0.262672049	0.372999036
cg12421282	NFYC;NFYC;L	1	0.01378466	0.358204752	0.540439974
cg11135080	NFYC;NFYC;N	1	0.00230117	0.454544758	0.606975918
cg17048169	NGEF;NGEF	2	0.00021167	0.189369109	0.412344418
cg20388707	NGEF;NGEF	2	0.00181891	0.326731509	0.443485548
cg20539430	NGEF;NGEF	2	0.01794149	0.599307766	0.710498888
cg26178217	NGEF;NGEF	2	0.00348768	0.616286868	0.724357986
cg24367967	NGEF;NGEF	2	0.01337093	0.432142142	0.537061943
cg26152051	NHEJ1	2	0.00791879	0.562259951	0.736172989
cg08106288	NHEJ1	2	0.01388774	0.113580767	0.243330764
cg04497992	NHLRC4	16	0.00055533	0.236641972	0.337505715
cg03379797	NHSL1	6	0.00345548	0.148972686	0.331378103
cg24324628	NHSL1	6	0.01486505	0.216252706	0.379490597
cg21543918	NHSL1;NHSL:	6	0.02205533	0.116794566	0.241476973
cg21730858	NHSL1;NHSL:	6	0.03793763	0.361519237	0.48119415
cg22129571	NID1	1	0.03289332	0.546945801	0.663854319
cg16449219	NIN;NIN;NIN	14	0.03610699	0.144016409	0.291492409
cg13802506	NINJ1	9	0.00697093	0.14987306	0.251702132
cg01122318	NIPSNAP3B	9	0.04317521	0.757486633	0.874423065
cg04155718	NISCH	3	0.00900942	0.672726239	0.814520092
cg01827248	NKD1	16	0.00098311	0.297478821	0.490624605
cg02015823	NKD1	16	0.01886699	0.272367876	0.405546212
cg05779675	NKD1	16	0.00184547	0.338510237	0.457220596
cg16750777	NKD1	16	0.00055517	0.288727395	0.403430921
cg04685962	NKD1	16	0.01645485	0.5768281	0.688294476
cg03854487	NKD1	16	0.00029138	0.584208252	0.68638118
cg06437430	NKD2	5	0.01536545	0.312274353	0.422573138
cg21904441	NLGN1	3	0.00272813	0.727202529	0.829730576
cg09624807	NLRC5	16	0.00015493	0.387365307	0.62133555
cg07121721	NLRP1	17	6.30E-05	0.199411177	0.454063737
cg19972788	NLRP1;LOC7:	17	0.00448506	0.415396186	0.561514872
cg19689876	NLRP2	19	0.03107357	0.509833473	0.718497337
cg04887076	NLRP2	19	0.04633149	0.451293406	0.653326232
cg25651476	NLRP2	19	0.04172146	0.492455063	0.639522904
cg03401213	NME2;NME2	17	0.0226126	0.657179294	0.759347047
cg06877848	NME2;NME2	17	0.02497399	0.59638621	0.718019998
cg27233027	NME7;NME7	1	0.02323914	0.503657136	0.681601525
cg02016985	NMRAL1	16	0.00103917	0.520078262	0.648975779
cg22871610	NMU	4	0.0220445	0.717782221	0.862890231
cg23731742	NOC2L;SAMC	1	0.00051123	0.193684901	0.307295985
cg20299802	NOS1AP;NOS	1	0.01527687	0.308959027	0.441307157
cg06301529	NOS2;NOS2	17	0.02347041	0.135231946	0.29215968
cg07150830	NOS2;NOS2	17	0.03314054	0.124480248	0.241129773
cg26274166	NOSIP	19	0.01886496	0.375999981	0.539316813

cg21292909	NOSIP	19	0.00593434	0.516376291	0.668417911
cg04355077	NOSIP	19	0.00761484	0.685192211	0.794340608
cg14494733	NOTCH1	9	7.02E-05	0.340285003	0.692960519
cg14528979	NOTCH1	9	0.00978051	0.385810269	0.601245092
cg14205001	NOTCH1	9	5.22E-05	0.610533636	0.787853589
cg05019807	NOTCH1	9	0.00114145	0.707164917	0.834807134
cg26779406	NOTCH1	9	0.00058836	0.361580445	0.48205867
cg21234123	NOTCH1	9	0.0018158	0.680649774	0.792577085
cg14364472	NOTCH1	9	0.0406997	0.675062599	0.784580507
cg14303017	NOTCH1	9	0.00057103	0.72640705	0.82686794
cg08801479	NOTCH4	6	0.01703888	0.162735633	0.305452177
cg08828723	NOTCH4	6	0.00219383	0.25236911	0.38568475
cg21765730	NOX3	6	0.00544746	0.137942435	0.325659034
cg02156899	NOXO1;NOXI	16	0.00229588	0.246759814	0.375918853
cg26047938	NPAS2	2	0.02105583	0.229399041	0.401778071
cg23633210	NPAS2	2	0.03663957	0.179582015	0.316403051
cg10147348	NPAS2	2	0.00440549	0.583726816	0.706106241
cg13496915	NPAS3;NPAS	14	0.0030781	0.223178006	0.468284464
cg02094363	NPAS3;NPAS	14	0.00637775	0.356295633	0.509481039
cg07507257	NPC1	18	0.0350369	0.615967539	0.720631582
cg10100287	NPHP4	1	0.01166754	0.454275405	0.565797199
cg13019512	NPM1;NPM1	5	0.00249627	0.36170627	0.505082326
cg04865220	NPTN;NPTN;	15	0.0057467	0.198775132	0.356591455
cg22082015	NR1D1	17	0.04503329	0.440591688	0.553155067
cg24975211	NR1D1;THRA	17	0.01847738	0.136316159	0.26245581
cg06927327	NR1I3;NR1I3	1	0.00422066	0.609600103	0.712664226
cg26933107	NR4A1;NR4A	12	0.00064112	0.398584985	0.551287041
cg18713088	NR4A1;NR4A	12	0.00055136	0.533630027	0.679216473
cg13216112	NRBF2	10	0.02242232	0.24600383	0.405343831
cg23221090	NRBF2	10	0.00157588	0.182862308	0.297452187
cg01540911	NRF1;NRF1	7	0.01147973	0.434486507	0.584038442
cg20712980	NRF1;NRF1	7	0.03502267	0.314502029	0.422442898
cg24724630	NRG2;NRG2;	5	0.00106511	0.315646247	0.461847524
cg01068601	NRN1L	16	0.00031619	0.262177543	0.439012947
cg01756421	NRN1L	16	0.001785	0.303638884	0.426033433
cg21701445	NRSN2	20	0.04311044	0.424426719	0.525757092
cg06609051	NRXN1;NRXN	2	0.02523013	0.330000666	0.458895427
cg21660452	NRXN2;NRXN	11	0.02583317	0.504675367	0.650878138
cg27466845	NRXN2;NRXN	11	0.0024662	0.146751755	0.268645643
cg10905012	NRXN2;NRXN	11	0.02956749	0.710668999	0.818679294
cg18121224	NSD1;NSD1	5	0.00209045	0.14901991	0.30335456
cg19731612	NSD1;NSD1	5	0.00142908	0.305077982	0.42366312
cg23126947	NSUN3;DHFF	3	0.03182383	0.703535437	0.840619613
cg12034199	NSUN5B;NSL	7	0.00226552	0.48048726	0.591364294
cg14113960	NSUN5B;NSL	7	0.01687986	0.406100275	0.510927986
cg16236779	NT5C2;NT5C	10	0.0108749	0.491471417	0.633854511

cg02344784	NT5DC3	12	0.00538477	0.27796888	0.444226078
cg02042623	NT5DC3	12	0.02368594	0.142400638	0.297812131
cg12620806	NTF3;NTF3	12	0.03547641	0.48396353	0.64664944
cg11647944	NTF3;NTF3	12	0.00932111	0.21227331	0.364577522
cg18377376	NTM	11	0.00050013	0.477946531	0.685153084
cg23405457	NTM	11	0.00199205	0.567191001	0.720613392
cg11754374	NTM	11	0.00444301	0.755647746	0.889793609
cg20827960	NTM;NTM;N	11	0.00233053	0.604056683	0.774390493
cg16996632	NTM;NTM;N	11	0.00692168	0.508477594	0.666273432
cg07114544	NTN1	17	0.00365834	0.184411603	0.386929958
cg19441674	NTN1	17	0.00391663	0.40327675	0.53360302
cg14447193	NTRK2;NTRK	9	0.00164693	0.15251077	0.293643026
cg02926307	NUAK1	12	0.0040674	0.221363856	0.397098241
cg07831164	NUBP1	16	0.01756182	0.12517876	0.225419777
cg02458499	NUDCD1;NU	8	0.00939271	0.771149011	0.880139228
cg07508429	NUDCD3	7	0.01624188	0.332457742	0.525909381
cg16251232	NUDCD3	7	0.00288433	0.460193604	0.631433099
cg24829430	NUDCD3	7	0.00822402	0.597494303	0.717849105
cg21733560	NUDT1;NUD	7	0.00066183	0.324190852	0.443961025
cg14705010	NUMA1	11	0.00042053	0.213653517	0.423190717
cg20887442	NUMA1	11	0.00021343	0.196413998	0.389818089
cg07999415	NUMA1	11	0.00417147	0.280562062	0.417221939
cg11196788	NUMA1	11	0.00330261	0.281123274	0.415871068
cg02151120	NUMA1	11	0.00189686	0.236101811	0.358954869
cg19126169	NUMA1	11	0.0029451	0.388749925	0.505693053
cg05874355	NUMA1	11	0.00350313	0.138833518	0.250987565
cg03033106	NUMA1;LRTC	11	0.02195273	0.450148136	0.554193226
cg03352427	NUP210L;NU	1	0.00382683	0.30007444	0.459976226
cg17167920	NUP210L;NU	1	0.01062756	0.264173543	0.398570883
cg00138451	NUP88	17	0.04407932	0.723685326	0.834588974
cg10093067	NUP98;NUP9	11	0.02291751	0.368349405	0.54858143
cg21035374	NWD1;NWD1	19	0.00628048	0.423534731	0.558614873
cg20633370	NXN	17	0.01703505	0.506848064	0.655868705
cg24101979	NXN	17	0.01230787	0.397681572	0.538088363
cg14136893	NXN	17	0.00142219	0.26365419	0.382572347
cg23768572	NXN	17	0.0083632	0.143553272	0.255157084
cg19983775	OAT	10	0.03793763	0.149875075	0.303879563
cg23644589	OBSCN;OBSC	1	0.00633272	0.68622366	0.876802013
cg18494421	OBSCN;OBSC	1	0.00497506	0.267324324	0.425898184
cg05794117	OBSCN;OBSC	1	0.00304405	0.271304679	0.395475389
cg15618533	OBSCN;OBSC	1	0.00098784	0.539177829	0.64606789
cg07922933	OBSCN;OBSC	1	0.01074336	0.30268996	0.408526461
cg05521175	OBSL1	2	0.03765522	0.265037689	0.419656451
cg02938449	OBSL1	2	0.00043674	0.510928186	0.645912865
cg14037346	ODF2	9	0.00255189	0.166056162	0.322224231
cg06608378	ODF3L1	15	0.00067726	0.584349656	0.707828008

cg00047753	ODF4	17	0.02737301	0.215780937	0.335067485
cg11097249	ODZ2	5	0.00828079	0.29347275	0.481103472
cg00192966	ODZ2	5	0.02669496	0.232642449	0.371420234
cg12025243	ODZ4	11	0.00012062	0.414777639	0.569979251
cg21094613	ODZ4	11	0.02716052	0.22425662	0.37188073
cg11172483	ODZ4	11	0.04578211	0.224586209	0.359099285
cg27153782	OLAH;OLAH	10	0.00443791	0.31123133	0.487477149
cg16013670	OPN3	1	0.00249168	0.445306735	0.582804102
cg09970593	OPRD1	1	0.00065199	0.277435411	0.461150517
cg25977504	OR14A16	1	0.00986676	0.646258358	0.754848954
cg16833110	OR2D3	11	0.01848374	0.664909079	0.823139769
cg02788731	OR2G2	1	0.01832743	0.705474035	0.828024894
cg12762474	OR51V1	11	0.03270999	0.518586694	0.618649037
cg20251156	OR6C65	12	0.00822	0.767503893	0.891349916
cg22539670	OSBPL10	3	0.00850677	0.420223074	0.595767491
cg09641663	OSBPL10	3	0.01321046	0.299312171	0.46421515
cg20110978	OSBPL3;OSBI	7	0.00083484	0.749271978	0.873502877
cg14722290	OSBPL5;OSBI	11	0.02063606	0.183195865	0.294028243
cg26949612	OSBPL6	2	0.01963184	0.540925093	0.659207992
cg26009944	OSBPL9;OSBI	1	0.03160208	0.353004846	0.476974651
cg13229961	OVOL1	11	0.03436535	0.402413329	0.530793567
cg10518572	OVOL1	11	0.01747975	0.55178346	0.653154355
cg16887334	OXT	20	0.01503226	0.311287474	0.420655856
cg03739877	P11;P11	12	8.46E-05	0.469515374	0.606254959
cg17560283	P2RX3	11	0.01778762	0.629582906	0.731045531
cg06651752	P2RX5;P2RX5	17	0.00538477	0.268837216	0.400802092
cg10287137	P2RY2;P2RY2	11	8.27E-05	0.198149317	0.307966076
cg08695113	P4HA1;P4HA	10	0.03115363	0.128452217	0.317783726
cg14492337	P4HB	17	0.00415102	0.145953718	0.263393016
cg17054691	P4HB	17	0.00174397	0.297452562	0.408688846
cg17462329	P4HB	17	0.00152625	0.678233367	0.786924877
cg20869369	PABPC1L	20	0.00444406	0.385264	0.553812717
cg08999742	PABPN1L	16	0.01133402	0.465119935	0.572602404
cg09428340	PACRG;PACR	6	0.00740252	0.394895081	0.535350687
cg26344026	PACS1	11	0.00018977	0.414647268	0.627686028
cg07521618	PACS2;PACS2	14	0.00035539	0.303343542	0.487622324
cg18374755	PACS2;PACS2	14	0.00249942	0.457782673	0.599285715
cg14063129	PACS2;PACS2	14	0.00690636	0.125819982	0.251450317
cg21170836	PACS2;PACS2	14	0.00022997	0.483265453	0.603111638
cg15483436	PACS2;PACS2	14	0.00177791	0.512560425	0.630102862
cg12158535	PACS2;PACS2	14	0.003497	0.226679686	0.34189357
cg16783764	PACS2;PACS2	14	5.80E-05	0.617630111	0.730109098
cg01052428	PACS2;PACS2	14	0.00217478	0.243024583	0.350866529
cg16162970	PACS2;PACS2	14	0.01676524	0.175902263	0.278693969
cg22908922	PACS2;PACS2	14	0.00183991	0.533529038	0.633974316
cg12397564	PAFAH2	1	0.01441308	0.12785476	0.309844895

cg17263916	PAIP2;PAIP2;	5	0.00241572	0.484967043	0.62764765
cg06433132	PAK4;PAK4;P	19	0.00462224	0.430820511	0.568922058
cg24710020	PAK4;PAK4;P	19	0.00487275	0.33717785	0.468250413
cg14069287	PALLD;PALLD	4	0.01758386	0.220923257	0.342113332
cg05913684	PALM;PALM	19	0.00211742	0.261551154	0.364571267
cg21204870	PALM2;PALM	9	0.00490262	0.583990927	0.75476742
cg22911687	PAM;PAM;P/	5	9.97E-05	0.560420522	0.813433534
cg20655220	PAM;PAM;P/	5	0.01853464	0.44163578	0.632652024
cg17407629	PAM;PAM;P/	5	0.03154962	0.356518809	0.511419494
cg15007472	PANX1	11	0.01860889	0.538799711	0.662135317
cg16805189	PANX1	11	0.03093899	0.567303618	0.679666533
cg01641620	PANX2;PANX	22	0.00082671	0.149876489	0.257755894
cg21894762	PAPLN	14	0.00197833	0.313463269	0.504828423
cg17826980	PAPPA2	1	0.0220894	0.296088843	0.433229139
cg17691988	PAPSS1	4	0.01790536	0.235167253	0.392039041
cg26541780	PAQR6;PAQF	1	0.00431366	0.226346465	0.361627089
cg14150803	PARK7;PARK	1	0.00561053	0.238885934	0.351678983
cg04203587	PARM1	4	0.03552624	0.424563111	0.550640008
cg00734683	PARP3;PARP:	3	0.0006316	0.672334953	0.791281276
cg09712066	PART1;PART:	5	0.01168639	0.121107389	0.2484301
cg13518121	PARVA	11	0.00701227	0.219296485	0.485140462
cg16634971	PARVA	11	0.00198558	0.248565239	0.455793333
cg15123662	PARVA	11	0.00042483	0.28028142	0.432185667
cg05567628	PARVA	11	0.03032853	0.416749905	0.554409414
cg08647724	PARVA	11	0.00685648	0.178330805	0.297119355
cg13959831	PAX5	9	0.03137725	0.153747495	0.295010211
cg14293548	PAX6;PAX6;P	11	0.02566294	0.593727041	0.710534869
cg05923681	PBRM1;PBRM	3	0.00284039	0.593074333	0.729193162
cg14851325	PBX2	6	0.00022924	0.645511579	0.750268376
cg24676384	PBXIP1	1	0.00636977	0.317180557	0.471721535
cg15937861	PC;PC;PC	11	0.00117306	0.261178864	0.476069178
cg11194398	PC;PC;PC	11	0.02614489	0.204136755	0.373889106
cg15784784	PC;PC;PC	11	0.00103822	0.599684303	0.723717122
cg06467504	PC;PC;PC	11	0.01776921	0.279333899	0.395672801
cg23022313	PC;PC;PC	11	0.00989552	0.197210601	0.313229984
cg11525980	PC;PC;PC	11	0.00467735	0.307139995	0.411430785
cg06022884	PCCB	3	0.00220026	0.52572917	0.681739265
cg00160440	PCDH10	4	0.00381517	0.341702957	0.556523665
cg15585332	PCDH9;PCDH	13	0.00641442	0.688957621	0.811723251
cg04634417	PCDHA6;PCD	5	0.00260003	0.593402593	0.789922404
cg02560085	PCDHA6;PCD	5	0.02797633	0.346821093	0.451758889
cg07442271	PCDHGA2;PC	5	0.00106511	0.345566888	0.464087276
cg18869485	PCDHGA4;PC	5	0.04914542	0.568293881	0.677755539
cg15944367	PCGF2	17	0.00551181	0.45054815	0.575785622
cg02959939	PCNT	21	0.00088306	0.176281462	0.292693961
cg16056164	PCNXL2	1	0.01240531	0.141936915	0.280411869

cg09162148	PCNXL3	11	0.00041927	0.775953293	0.877264153
cg19685521	PCOLCE	7	0.00216283	0.162437942	0.274547696
cg01889899	PCSK6;PCSK6	15	0.00746943	0.33535367	0.45932687
cg12410980	PCSK6;PCSK6	15	0.00509481	0.287023664	0.397745135
cg04105230	PCSK6;PCSK6	15	0.0278112	0.631630127	0.758717784
cg06707286	PCSK6;PCSK6	15	0.00691858	0.569046958	0.678818224
cg19316405	PDDC1	11	0.00040984	0.250915282	0.489702888
cg10856894	PDE10A;PDE10A	6	0.02213643	0.27173084	0.496662135
cg05034374	PDE11A;PDE11A	2	0.00031409	0.226042236	0.479442741
cg05952572	PDE2A;PDE2A	11	0.00043909	0.094621998	0.213483514
cg05691871	PDE4D;PDE4D	5	0.00535548	0.703700638	0.828482101
cg13129833	PDE4DIP	1	0.02380975	0.290809876	0.405128911
cg25317315	PDE4DIP;PDE4DIP	1	0.00397011	0.298277822	0.454167811
cg12271433	PDE4DIP;PDE4DIP	1	0.00339914	0.589169189	0.697879098
cg27357918	PDE6B;PDE6B	4	0.04844298	0.383378156	0.516082146
cg00562118	PDE6B;PDE6B	4	0.00122333	0.266097165	0.382120395
cg25035101	PDE6B;PDE6B	4	0.00036352	0.34824175	0.45504771
cg10872815	PDE7B	6	0.00623529	0.269469909	0.442992689
cg18573082	PDE7B	6	0.02378296	0.125532017	0.247184063
cg24954977	PDE8A;PDE8A	15	0.02477701	0.693082448	0.805285205
cg22835523	PDE8A;PDE8A	15	0.00572475	0.627681743	0.730042628
cg08835985	PDF;COG8	16	0.00032083	0.240578045	0.476622048
cg06560282	PDGFD;PDGFRB	11	0.00794701	0.782367569	0.890535129
cg23496331	PDGFRB	5	0.00652947	0.334931712	0.489366838
cg12136274	PDIA3P	1	0.0123921	0.145193222	0.24629642
cg17493193	PDIK1L;PDIK1L	1	0.0026328	0.205581984	0.327979113
cg10093934	PDK1	2	0.00490616	0.397548054	0.57793352
cg20714347	PDLIM1	10	0.00758886	0.351900045	0.520751044
cg02637537	PDLIM2;PDLIM2	8	0.00235146	0.17469231	0.297876722
cg01463828	PDLIM2;PDLIM2	8	0.00502534	0.337018964	0.444241903
cg09125300	PDLIM2;PDLIM2	8	0.03308879	0.219371779	0.326168114
cg07262247	PDLIM4;PDLIM4	5	0.00245392	0.252051844	0.381860321
cg23976221	PDLIM5;PDLIM5	4	0.01060803	0.184828158	0.355379044
cg27650985	PDLIM7;PDLIM7	5	0.01053858	0.497412204	0.616078319
cg07034563	PDLIM7;PDLIM7	5	0.00237678	0.210914129	0.376611657
cg17037976	PDLIM7;PDLIM7	5	0.00805303	0.283286791	0.402534333
cg09972454	PDXDC1	16	0.00512707	0.348841973	0.482737489
cg14906976	PDXK	21	0.00018944	0.176144856	0.368241376
cg18410110	PDZD2	5	0.01079077	0.225785738	0.359456955
cg11565786	PDZD2	5	0.00052942	0.684934058	0.800888969
cg03880611	PDZD2	5	0.01972496	0.439225115	0.543708455
cg02529095	PDZD7	10	0.00936875	0.445535116	0.594236606
cg05593775	PDZD7	10	0.00567527	0.14649581	0.270449791
cg09437460	PDZD8	10	0.04891278	0.390361401	0.530904486
cg04418423	PDZD8	10	0.00510006	0.766437162	0.867235445
cg13019092	PDZK1	1	0.00115876	0.323228391	0.505321015

cg10321723	PDZK1	1	0.00666379	0.217966689	0.321996777
cg07810156	PDZK1IP1;PD	1	0.00107662	0.233341101	0.421877271
cg13050115	PDZRN3	3	0.00218698	0.44472673	0.688365723
cg25688523	PDZRN3	3	0.00111592	0.359769105	0.518422943
cg12584826	PDZRN3	3	0.00236784	0.410537142	0.54991182
cg01826056	PDZRN4;PDZ	12	0.00159391	0.508538931	0.614739379
cg15534461	PEBP1	12	0.00220131	0.396115073	0.55107882
cg13521002	PEBP4	8	0.00197437	0.426804251	0.603506682
cg18050520	PEBP4	8	0.0057728	0.155852674	0.316412501
cg01966160	PEBP4	8	0.00397745	0.368450412	0.498654565
cg21932360	PEBP4	8	0.01540913	0.504853702	0.613203358
cg12085501	PEG10;PEG10	7	0.01476051	0.180206134	0.291038885
cg00388503	PELI1	2	0.00028216	0.78408927	0.916816087
cg21720802	PELI3;PELI3	11	0.01487782	0.351948341	0.465047223
cg01623663	PELI3;PELI3	11	0.0132403	0.262772962	0.371190826
cg10633334	PEMT;PEMT	17	0.00175559	0.559526675	0.66095152
cg25392325	PEMT;PEMT;	17	0.00035355	0.261249294	0.458366614
cg26177311	PEMT;PEMT;	17	0.03577772	0.131969942	0.263129169
cg12308675	PER2	2	0.00035856	0.439248624	0.705395386
cg22879834	PER2	2	0.00257921	0.382731902	0.574777795
cg07719617	PER2	2	0.00195431	0.317871013	0.491388878
cg24204951	PER2	2	0.04686733	0.140205052	0.267151834
cg09327610	PER3	1	0.00689334	0.365253954	0.565823013
cg25821223	PERP	6	0.00539678	0.465806872	0.601929712
cg26112622	PEX10;PEX10	1	0.00534824	0.414383623	0.537890925
cg24524895	PEX11A	15	0.01015295	0.295375544	0.48887482
cg22228613	PEX12	17	0.03220005	0.46689231	0.607402991
cg23463008	PEX5L	3	0.01860304	0.712984003	0.829733156
cg08500510	PFKFB3	10	0.00088822	0.145909937	0.420381917
cg03124510	PFKFB3	10	0.00076368	0.169267204	0.439078027
cg08745329	PFKFB3	10	0.00435994	0.305133444	0.462932314
cg08289056	PFKFB3	10	0.01763515	0.571169142	0.69250885
cg19084628	PFKFB3;PFKF	10	0.00124465	0.315547287	0.502942945
cg07102808	PFKFB3;PFKF	10	0.0009872	0.263584683	0.44733719
cg13782176	PFKFB3;PFKF	10	0.00038497	0.48982248	0.664387742
cg00373371	PFKFB3;PFKF	10	0.00269344	0.444741373	0.555166262
cg20732160	PFKFB4	3	0.0004758	0.527605262	0.635610811
cg09274658	PFKL;PFKL	21	0.00092123	0.250351787	0.368425978
cg04643920	PFKL;PFKL	21	0.013121	0.24079508	0.355613833
cg12265908	PFKP	10	0.01129525	0.30795604	0.467562196
cg12303582	PFKP	10	0.00331497	0.221789365	0.357220374
cg20520804	PFKP	10	0.02117396	0.148398385	0.275358166
cg15087907	PFKP	10	0.00542507	0.178920545	0.303901198
cg16324184	PFKP	10	0.00208259	0.630063031	0.749802329
cg25949033	PFKP	10	0.00835648	0.176442421	0.295976206
cg15228268	PFKP	10	0.00040028	0.183969394	0.297695202

cg16963373	PFKP	10	0.00399012	0.374752643	0.487152643
cg19416623	PFKP	10	0.01056969	0.105555222	0.213428888
cg23003961	PFKP	10	0.02286214	0.707094128	0.809560297
cg01287088	PFN3	5	0.00142114	0.249881934	0.382535774
cg27224809	PGBD5	1	0.00189879	0.334132495	0.539963529
cg05888583	PGBD5	1	0.0018158	0.270674256	0.429138278
cg21547054	PGBD5	1	0.02407262	0.556939158	0.658406206
cg04026948	PGCP	8	0.0387066	0.22802562	0.423595103
cg04839673	PGM1	1	0.00196847	0.482844089	0.677101144
cg03891302	PHACTR1	6	0.01397733	0.620335778	0.782520489
cg03338924	PHACTR1	6	0.00224896	0.243400244	0.36424793
cg08482167	PHACTR2;PH	6	0.00763816	0.232173789	0.468718437
cg17586302	PHACTR2;PH	6	0.0048039	0.135238678	0.24044529
cg13027965	PHACTR2;PH	6	0.04665478	0.694357838	0.795935716
cg24691891	PHC2	1	0.02375631	0.18800976	0.36307078
cg06953325	PHC2	1	0.04151419	0.547117553	0.650291193
cg00582531	PHF15	5	0.00115842	0.585261379	0.710754438
cg16220788	PHF21A;PHF	11	0.02117123	0.226743771	0.426484494
cg13471712	PHF21A;PHF	11	0.00175815	0.495512907	0.604746142
cg06058828	PHF21A;PHF	11	0.01269386	0.746158186	0.848216167
cg06763568	PHGDH	1	0.00049048	0.321843729	0.47111816
cg13740135	PHLDB3	19	0.00180423	0.334191556	0.448168779
cg05036615	PHTF2;PHTF2	7	0.04576162	0.29825388	0.428140475
cg13613439	PHYHD1;PHY	9	0.01121466	0.391700906	0.557104477
cg08641881	PHYHIPL;PHY	10	0.02304947	0.261834066	0.364625539
cg12083852	PI4KB	1	0.00143371	0.330371858	0.469042066
cg07926644	PIAS4	19	0.00178145	0.310672514	0.491915963
cg24200175	PICALM;PICA	11	0.03317046	0.23085688	0.416122427
cg16760049	PICK1;PICK1;	22	0.01772373	0.530569989	0.647820923
cg09180702	PIGQ;PIGQ	16	0.01979425	0.336558556	0.437938062
cg24859236	PIK3CD	1	0.00130336	0.181757918	0.323259907
cg17725019	PIK3IP1;PIK3	22	0.00126051	0.257195156	0.488192993
cg09101894	PIK3R1;PIK3F	5	0.03318956	0.514757998	0.65286079
cg01394255	PIK3R5;PIK3F	17	0.00102159	0.51699594	0.657907967
cg17279125	PIK3R6	17	0.00631667	0.326993053	0.432213584
cg23009044	PIK3R6	17	0.00625882	0.338638704	0.441254671
cg17609282	PION	7	0.00897819	0.712319348	0.843756
cg11327029	PIP4K2A	10	0.0008433	0.408894119	0.699371032
cg19397801	PIP4K2A	10	0.04909609	0.422156598	0.641572594
cg13995193	PIP5K1C	19	0.00024734	0.420641364	0.568108561
cg08267629	PIP5K1C	19	0.01180189	0.384336944	0.506739502
cg19841005	PIP5K1C	19	0.00032075	0.194876649	0.307238299
cg12148647	PIP5K1C	19	0.01622494	0.222713142	0.328685871
cg04965671	PISD	22	0.00394117	0.293481215	0.512815328
cg07284476	PITPNC1;PITF	17	0.01239738	0.682715048	0.79778837
cg04765955	PITPNM1;PIT	11	0.00922791	0.571934225	0.693800608

cg05399718	PITPNM2	12	0.00017209	0.233432075	0.439962822
cg13037550	PITPNM2	12	0.00673893	0.59679273	0.731264187
cg08464009	PITPNM2	12	0.00718817	0.597054876	0.724539915
cg15243578	PITPNM2	12	0.00267387	0.184883165	0.28685347
cg24389239	PITPNM3;PIT	17	0.00080256	0.637469276	0.741993983
cg12020444	PIWIL1	12	0.03194394	0.551922856	0.666458134
cg16244664	PIWIL1	12	0.04340753	0.680480751	0.782301528
cg07036112	PKD1;MIR12;	16	0.00207303	0.556225351	0.749503803
cg19949931	PKD1;MIR12;	16	0.03008269	0.411403151	0.576028337
cg05598886	PKD1;MIR12;	16	7.61E-05	0.618702553	0.780348388
cg03494430	PKD1;PKD1	16	0.00046782	0.223629413	0.404884654
cg27227497	PKD1;PKD1	16	0.00688651	0.224665204	0.402936596
cg07568117	PKD1;PKD1	16	4.99E-05	0.661438146	0.804081001
cg19584660	PKD1;PKD1	16	0.01766792	0.303975011	0.4313795
cg04623960	PKD1;PKD1	16	0.00024734	0.591558465	0.699610127
cg10731848	PKD1L1	7	0.00395431	0.197606921	0.443643295
cg27618305	PKD1L1	7	0.00241324	0.14445019	0.277877096
cg26283507	PKD1L1	7	0.0054553	0.123764895	0.245382037
cg02735620	PKD2	4	0.0012897	0.46637367	0.683548086
cg01995086	PKHD1L1	8	0.0081852	0.695324836	0.842835952
cg07565018	PKM2;PKM2;	15	0.00448787	0.170501772	0.394924302
cg02742281	PKMYT1;PKM	16	3.61E-05	0.287337584	0.519562789
cg01243773	PKNOX2	11	0.00502422	0.193408249	0.383373035
cg15727708	PKNOX2	11	0.00012533	0.536350656	0.669756112
cg13168187	PKP4;PKP4	2	0.00052187	0.393800129	0.6266892
cg13211559	PLA2G2A;PLA	1	0.00157992	0.349557947	0.528046294
cg10993488	PLA2G2A;PLA	1	0.00613024	0.292859164	0.444381259
cg02860199	PLA2G2A;PLA	1	0.01092412	0.477070189	0.62779274
cg08235413	PLA2G2A;PLA	1	0.03081531	0.382624027	0.507831344
cg11037787	PLA2G2A;PLA	1	0.0331483	0.384891223	0.49891937
cg02203881	PLA2G4D	15	0.01697585	0.318152903	0.427284588
cg23120601	PLCB2	15	9.51E-05	0.217447151	0.383592574
cg09233429	PLCB2	15	0.00015929	0.243432065	0.393579929
cg20484832	PLCB4;PLCB4	20	0.00630191	0.754200663	0.859648948
cg24736099	PLCB4;PLCB4	20	0.02350239	0.761821503	0.867020162
cg03302386	PLCD1	3	7.14E-05	0.26488259	0.381895427
cg12705340	PLCD1	3	0.00414073	0.277860655	0.394618635
cg27638309	PLCE1;PLCE1	10	0.01663109	0.256235996	0.460510331
cg00940248	PLCG2	16	0.02078415	0.252912847	0.419510821
cg12611897	PLCH1;PLCH1	3	0.01450299	0.643256311	0.809666741
cg21767191	PLCL2;PLCL2	3	0.00493617	0.675122961	0.803697798
cg15329866	PLD1;PLD1	3	0.04997407	0.293973431	0.441284363
cg27302507	PLD4	14	0.00095345	0.317661775	0.434637715
cg24578857	PLD6	17	0.00519026	0.151661767	0.277152718
cg17082405	PLEC1;PLEC1	8	0.01190904	0.106557615	0.283001111
cg20680163	PLEC1;PLEC1	8	0.01189288	0.137284143	0.290823023

cg02681842	PLEC1;PLEC1	8	0.01239542	0.16014403	0.310763402
cg07598407	PLEC1;PLEC1	8	0.00647789	0.302330867	0.431155919
cg23155717	PLEC1;PLEC1	8	0.00090174	0.267796585	0.384467178
cg05141333	PLEC1;PLEC1	8	0.00667285	0.50031029	0.608101936
cg24137216	PLEC1;PLEC1	8	0.00142847	0.246210858	0.396222347
cg03537810	PLEC1;PLEC1	8	0.0007411	0.360196995	0.478120446
cg07132086	PLEKHA2	8	0.01431423	0.252529792	0.419496708
cg08077345	PLEKHA4;PLE	19	0.01837552	0.159219504	0.276937234
cg19755459	PLEKHA5;PLE	12	0.0428373	0.341862643	0.463193054
cg03127388	PLEKHA6	1	0.01667524	0.444249029	0.577329154
cg11131599	PLEKHA6	1	0.03570641	0.543233664	0.660169509
cg15306794	PLEKHA7	11	0.01073628	0.385944135	0.564306043
cg07273003	PLEKHA7	11	0.02442495	0.25544056	0.378562476
cg08445687	PLEKHF1	19	0.00261428	0.18168193	0.36088531
cg22309568	PLEKHF1	19	0.00339608	0.272201999	0.423820652
cg01595505	PLEKHG2	19	0.0007684	0.656573718	0.760541276
cg11802553	PLEKHG3	14	0.00048601	0.400703511	0.563474961
cg12063688	PLEKHG3	14	0.00674812	0.156743129	0.306624207
cg07942500	PLEKHG3	14	0.00474778	0.16061916	0.300055273
cg06426253	PLEKHG4;PLE	16	0.00031984	0.649453011	0.77663117
cg09805709	PLEKHG5;PLE	1	0.00218905	0.420675442	0.539484035
cg26232945	PLEKHM3	2	0.00529773	0.198344384	0.400111144
cg02815014	PLEKHM3	2	0.00042068	0.574570222	0.758547226
cg18686270	PLSCR1	3	0.03166368	0.66822237	0.780006101
cg19431623	PLXDC2	10	0.00052678	0.379634258	0.586392789
cg03631457	PLXDC2	10	0.00729142	0.491259989	0.656287717
cg12723985	PLXDC2	10	0.0039112	0.416625733	0.574176534
cg24161018	PLXNA4	7	0.00100161	0.471662446	0.687645706
cg11602148	PLXNB1;PLXN	3	0.00029105	0.484621671	0.721143403
cg09837648	PLXNB1;PLXN	3	0.00096211	0.344987182	0.532157088
cg16357930	PLXNB1;PLXN	3	0.00055323	0.362175164	0.535861815
cg12069042	PLXNB1;PLXN	3	0.00897974	0.131707425	0.248356721
cg11106331	PLXNB2	22	0.0010134	0.735506724	0.876978308
cg27206976	PLXNB2	22	0.00700216	0.312594283	0.443207934
cg10698910	PLXNB2	22	0.00661379	0.395435357	0.507755059
cg21509385	PLXNB2	22	0.01600822	0.65225984	0.757293785
cg12349580	PLXNC1	12	0.00242626	0.400977012	0.565380977
cg07078269	PLXND1	3	0.00305772	0.428659843	0.644609713
cg27353085	PLXND1	3	0.00247659	0.304065253	0.514199279
cg05490233	PLXND1	3	0.00174448	0.423921578	0.560134515
cg07908223	PMEPA1;PMI	20	0.00248881	0.359300409	0.565903162
cg05355067	PMEPA1;PMI	20	0.00112537	0.199975851	0.370210199
cg00177431	PMEPA1;PMI	20	0.03812884	0.191518949	0.34762048
cg13473184	PMVK	1	0.02412349	0.147803345	0.270669258
cg13835894	PNKD;TMBIN	2	4.33E-05	0.251073772	0.35995327
cg24025538	PNKP	19	0.00270417	0.226144224	0.350253811

cg07584631	PNKP	19	0.0035779	0.613044276	0.718468856
cg08580014	PNLIPRP1	10	0.01069662	0.213085413	0.320605498
cg11858564	PNMA1;C14c	14	0.02408684	0.649470341	0.776936757
cg27178772	PNRC1	6	0.0006778	0.360518931	0.528783246
cg14522034	POFUT2;POF	21	0.00047626	0.164919939	0.28809863
cg03515060	POFUT2;POF	21	0.0420572	0.624982667	0.72935789
cg23694811	POGK	1	0.04137967	0.411051994	0.52342575
cg01444413	POGZ;POGZ;l	1	0.00818325	0.576248875	0.713622315
cg07274204	POL3S	16	0.00025542	0.355933306	0.561490442
cg03581660	POL3S	16	0.01955896	0.361616912	0.511123693
cg27197524	POLE	12	0.00030682	0.571555884	0.798319941
cg20361429	POLE	12	0.00014523	0.575709625	0.794512944
cg16956999	POLE	12	0.00439239	0.610983075	0.739612359
cg26975812	POLE	12	0.00268796	0.804675099	0.932553035
cg24940701	POLR2E	19	0.00028216	0.704968878	0.830341891
cg00607154	POLS	5	0.01251065	0.598541919	0.756010844
cg10888644	POLS	5	0.04292884	0.449952908	0.551519543
cg13859108	POM121C	7	0.0010109	0.236890477	0.456390493
cg23809645	POMC;POMC	2	0.03867703	0.441541228	0.548372865
cg04089800	POMGNT1;P	1	0.03216454	0.138981348	0.27364598
cg06857473	POMT2	14	0.04209807	0.166211662	0.282986754
cg04270402	PON2;PON2	7	0.00607069	0.444122223	0.555264962
cg25923345	POP7	7	0.00645229	0.21900832	0.321605753
cg09682986	POT1;POT1;F	7	0.03320117	0.74099777	0.86480105
cg26969150	POTEA;POTE	8	0.00159597	0.658167811	0.898317171
cg05790989	POU2F1	1	0.04104522	0.561007674	0.661453892
cg18397073	POU2F2	19	0.00219918	0.193057399	0.356358624
cg16713265	POU5F1	6	0.00262805	0.662004436	0.771854612
cg17469359	POU6F2;POU	7	0.00689651	0.214062141	0.36140486
cg11253804	PPAN-P2RY1	19	0.01229094	0.526013816	0.634191962
cg00126995	PPAP2A;PPAI	5	0.04001862	0.655511557	0.815712276
cg27398401	PPAP2B;PPAI	1	0.04364099	0.246667571	0.367262411
cg11682697	PPAP2B;PPAI	1	0.02526149	0.099517522	0.206227274
cg15896446	PPAPDC1A	10	0.01093528	0.452994333	0.599566031
cg13436417	PPAPDC1A	10	0.00709268	0.26835802	0.384055202
cg21286173	PPAPDC1B	8	0.00385135	0.234396501	0.461366652
cg15202104	PPBPL1	4	0.00447989	0.63460916	0.780311071
cg22185879	PPDPF	20	0.00130742	0.227236389	0.360823627
cg21642947	PPDPF	20	0.01268286	0.198144275	0.311030917
cg12652780	PPFIA1;PPFIA	11	0.01332706	0.25446915	0.400521193
cg24000087	PPFIA4;PPFIA	1	0.00557789	0.340790981	0.492505154
cg10952234	PPFIA4;PPFIA	1	0.0020996	0.40476955	0.545143343
cg20095669	PPFIBP1;PPFI	12	0.01007809	0.474231523	0.645281551
cg12166080	PPFIBP1;PPFI	12	0.00104901	0.760148824	0.864298796
cg06145800	PPL	16	0.01052981	0.245582663	0.346478578
cg02765693	PPM1E	17	0.01260763	0.640016898	0.761049219

cg13963807	PPP1CA;PPP1	11	0.01327762	0.315471011	0.43115695
cg04375036	PPP1CC	12	0.00017209	0.286476418	0.436557909
cg26058884	PPP1R10	6	0.00582591	0.194432672	0.3847053
cg12069151	PPP1R10	6	0.04280029	0.147679786	0.303396962
cg03596877	PPP1R10	6	0.04664557	0.421889543	0.529552944
cg04737350	PPP1R12A;PF	12	0.00342117	0.627041907	0.772407139
cg26348803	PPP1R12B;PF	1	0.03110087	0.146247614	0.267356132
cg08067969	PPP1R13B	14	0.00273745	0.34332892	0.55380688
cg13745946	PPP1R13B	14	0.00593996	0.226129465	0.376926632
cg06398396	PPP1R16A	8	0.00016424	0.34928206	0.459180607
cg16928551	PPP1R2P1	6	0.04573891	0.632590185	0.784334921
cg24288527	PPP1R3C	10	0.00180584	0.192355428	0.331541266
cg08447992	PPP1R3C	10	0.01428572	0.147395211	0.267886059
cg13686739	PPP1R9B	17	0.01544883	0.127931956	0.280189307
cg25409308	PPP2R1B	11	0.0120018	0.525856966	0.64638083
cg03958058	PPP2R2D;PPI	10	0.0249264	0.539582546	0.847412459
cg02265810	PPP2R2D;PPI	10	0.0007719	0.464840231	0.712582473
cg03072003	PPP2R2D;PPI	10	0.00153278	0.246852174	0.387249809
cg12789488	PPP2R2D;PPI	10	0.0385463	0.358442502	0.485860523
cg15102070	PPP2R2D;PPI	10	0.00419684	0.56914596	0.690914768
cg15444217	PPP2R2D;PPI	10	0.03860252	0.630226983	0.747420304
cg23941394	PPP2R2D;PPI	10	0.02100181	0.116468027	0.218779597
cg27161702	PPP2R5C;PPI	14	0.00176668	0.576090213	0.698342918
cg02327001	PPP3CA;PPP3	4	0.00232455	0.719042702	0.840605167
cg23399933	PPP3CA;PPP3	4	0.00936793	0.754294695	0.869704607
cg13845634	PPY	17	0.00979121	0.530249324	0.640730845
cg02710481	PQLC1;PQLC2	18	0.00052921	0.188494858	0.385967247
cg19733740	PRCP;PRCP	11	0.03928653	0.38448007	0.525333719
cg13448468	PRDM11	11	0.00260757	0.251926509	0.398759144
cg00328729	PRDM11	11	0.02599643	0.239710438	0.358953398
cg22497969	PRDM16;PRC	1	0.00059935	0.13544416	0.346160699
cg25153629	PRDM16;PRC	1	0.00037711	0.424141086	0.627696251
cg06911744	PRDM16;PRC	1	0.00057818	0.334476475	0.52179361
cg15619820	PRDM16;PRC	1	0.0001917	0.248630402	0.43352123
cg11392550	PRDM16;PRC	1	0.02028056	0.251676594	0.434268682
cg04855369	PRDM16;PRC	1	0.00031984	0.242073735	0.418469576
cg22720392	PRDM16;PRC	1	0.0001951	0.214515079	0.384542055
cg17601209	PRDM16;PRC	1	0.00756735	0.347272081	0.503564732
cg14712575	PRDM16;PRC	1	0.00062114	0.473621667	0.628850215
cg08160128	PRDM16;PRC	1	0.02180777	0.514903383	0.667299252
cg00894041	PRDM16;PRC	1	0.00361561	0.207024218	0.339321219
cg11710123	PRDM16;PRC	1	0.00143749	0.2830376	0.406988004
cg19263228	PRDM16;PRC	1	0.00901603	0.191146899	0.313477192
cg16546658	PRDM16;PRC	1	0.00072123	0.194835198	0.315078445
cg26520908	PRDM16;PRC	1	0.00739403	0.229862224	0.342921327
cg11138362	PRDM16;PRC	1	0.00678052	0.21303259	0.317576227

cg11251399	PRDM16;PRC	1	0.04411529	0.579996257	0.682329978
cg19644991	PRDM6	5	0.04810034	0.518384206	0.666158881
cg26938014	PRDM6	5	0.03019911	0.494354432	0.634388842
cg03311556	PRDM8	4	0.0103284	0.390709209	0.595666161
cg06440348	PRDM8	4	0.00152622	0.34973729	0.509558803
cg01789499	PRDM8	4	0.00230751	0.175167489	0.296138468
cg09595050	PRDM8	4	0.00147804	0.37980235	0.495143767
cg02732915	PRDM8;PRDI	4	0.02819008	0.522149812	0.678866821
cg05522011	PRDM8;PRDI	4	0.00570534	0.421051915	0.572306735
cg00138041	PRDM8;PRDI	4	0.00578045	0.27260577	0.415553193
cg05452645	PRDM8;PRDI	4	0.00831928	0.297082662	0.437457854
cg10880006	PRDM8;PRDI	4	0.02750104	0.19904443	0.336641523
cg19409579	PRDM8;PRDI	4	0.00274669	0.125706465	0.244900567
cg11388320	PRDM8;PRDI	4	0.00542501	0.282307079	0.383248494
cg06989253	PRDX1;PRDX	1	0.01371882	0.162167729	0.292474971
cg19752143	PREPL;PREPL	2	0.03023244	0.341435768	0.492260854
cg00555268	PRIC285	20	0.01669552	0.286961832	0.413056686
cg04643397	PRKAB1	12	0.00878496	0.281368656	0.468968192
cg03190018	PRKAG2;PRK.	7	7.39E-05	0.288594277	0.54207298
cg27577993	PRKAG2;PRK.	7	0.00622348	0.189734442	0.41684137
cg26284782	PRKAG2;PRK.	7	0.00022816	0.22418755	0.41963435
cg22719878	PRKAG2;PRK.	7	0.00057266	0.442546981	0.595775879
cg26482626	PRKAG2;PRK.	7	0.0038042	0.436459825	0.579649032
cg17814717	PRKAG2;PRK.	7	0.00324739	0.284412575	0.42467355
cg14838600	PRKAG2;PRK.	7	0.00689763	0.189317675	0.322736084
cg09397579	PRKAG2;PRK.	7	0.00029687	0.222957662	0.351726005
cg16581738	PRKAR1B;PRI	7	0.00013108	0.503686035	0.743354705
cg11315991	PRKAR1B;PRI	7	0.01561989	0.418307241	0.601492226
cg04191989	PRKAR1B;PRI	7	0.00067691	0.242550704	0.41711043
cg03719152	PRKAR1B;PRI	7	0.01367106	0.17148709	0.345782649
cg06878741	PRKAR1B;PRI	7	0.00814167	0.341226426	0.515143601
cg27418434	PRKAR1B;PRI	7	0.00018977	0.317560117	0.482751305
cg21150288	PRKAR1B;PRI	7	0.00335356	0.534155765	0.678809112
cg06413196	PRKAR1B;PRI	7	0.02322263	0.160280548	0.303119129
cg04666346	PRKAR1B;PRI	7	0.03386773	0.18863967	0.32936638
cg18241094	PRKAR1B;PRI	7	0.01362292	0.228496135	0.365584468
cg10127554	PRKAR1B;PRI	7	0.00054359	0.51923525	0.648900863
cg18463891	PRKAR1B;PRI	7	0.00146776	0.601511933	0.715261153
cg12125484	PRKAR1B;PRI	7	0.03256597	0.241029542	0.350441073
cg01462184	PRKAR1B;PRI	7	0.00278951	0.132214845	0.233588061
cg08613122	PRKAR1B;PRI	7	0.00364202	0.170098635	0.270315092
cg18950779	PRKCA	17	0.02621259	0.352369334	0.633132663
cg09655520	PRKCA	17	4.07E-05	0.469055441	0.726530107
cg02699518	PRKCA	17	0.00221502	0.447402223	0.660382739
cg19325477	PRKCA	17	0.00565578	0.554583709	0.763313301
cg17202839	PRKCA	17	0.00967131	0.709584358	0.861248246

cg00498360	PRKCA	17	0.00870467	0.390145242	0.53893151
cg19474267	PRKCA	17	0.04186752	0.144308313	0.281787142
cg14343701	PRKCA	17	0.00219366	0.155231889	0.2705289
cg22632947	PRKCA	17	0.03943729	0.416245224	0.528894077
cg10460643	PRKCD;PRKCI	3	0.00027163	0.405533768	0.563666051
cg12229151	PRKCDBP	11	0.00809663	0.153440974	0.269827343
cg24545602	PRKCE	2	0.01179044	0.270469402	0.46023881
cg00409434	PRKCE	2	0.00577243	0.420431749	0.593122506
cg15505219	PRKCH	14	0.00337797	0.387686444	0.571966551
cg17355877	PRKCZ	1	0.02010866	0.686218576	0.821217719
cg24447775	PRKCZ	1	0.01217745	0.438564245	0.548185555
cg06176608	PRKCZ;PRKCZ	1	0.00915775	0.373817757	0.497049107
cg20153240	PRKCZ;PRKCZ	1	0.0028997	0.465490071	0.584571417
cg02840585	PRKCZ;PRKCZ	1	0.00029766	0.48095678	0.689867601
cg22128985	PRKCZ;PRKCZ	1	0.00039943	0.361417398	0.546523864
cg00409816	PRKCZ;PRKCZ	1	6.59E-05	0.582075037	0.765989314
cg17156349	PRKCZ;PRKCZ	1	0.0096831	0.297983525	0.479142691
cg25727019	PRKCZ;PRKCZ	1	0.00883311	0.383867804	0.55092404
cg00866690	PRKCZ;PRKCZ	1	0.0005273	0.313848583	0.46851057
cg09179248	PRKCZ;PRKCZ	1	0.00223896	0.242018606	0.388447545
cg07836663	PRKCZ;PRKCZ	1	0.00050351	0.362897458	0.488507921
cg00981070	PRKCZ;PRKCZ	1	0.00477308	0.322089101	0.445139855
cg00175702	PRKCZ;PRKCZ	1	0.00657201	0.345063062	0.467897515
cg07896009	PRKCZ;PRKCZ	1	0.02739866	0.574484897	0.682879855
cg24578937	PRKCZ;PRKCZ	1	0.03325862	0.158483315	0.26066915
cg22338356	PRKDC;PRKD	8	0.01541982	0.182035518	0.353722734
cg15121267	PRL;PRL	6	0.00132416	0.348553187	0.518415337
cg11705975	PRLHR	10	0.0010483	0.188280638	0.328714975
cg01456572	PRM3	16	0.00401483	0.319864168	0.445778699
cg08358964	PRM3	16	0.03594974	0.19809485	0.32354819
cg00346180	PRMT1;PRM1	19	0.00380455	0.489984413	0.596611612
cg08162865	PRMT10	4	0.0094032	0.587632866	0.758906315
cg24775940	PRMT10	4	0.00160547	0.38921333	0.492106978
cg22799510	PROK2;PROK	3	0.02862284	0.48711212	0.659123585
cg10959048	PROS1	3	0.00115876	0.442549256	0.636066672
cg22800590	PROX1	1	0.00802145	0.418166091	0.565429282
cg25734864	PROZ	13	0.00102456	0.536307561	0.664145866
cg23800587	PROZ	13	0.00138644	0.539013425	0.659797903
cg05165862	PRPF40B;PRF	12	0.00851079	0.211171185	0.31205207
cg12459923	PRPF6	20	3.77E-05	0.301979823	0.603769595
cg11167993	PRPF6	20	0.00019392	0.496143855	0.781980336
cg13323866	PRR12	19	0.0162884	0.736690298	0.853920987
cg12155028	PRR16	5	0.0056349	0.413702693	0.585774249
cg26995244	PRR5;PRR5;P	22	0.01090506	0.119883067	0.222382341
cg08790638	PRR5L;PRR5L	11	0.00467192	0.605516465	0.711847237
cg20266593	PRRT1	6	0.00052921	0.262607454	0.496424471

cg08123207	PRRT1	6	8.60E-05	0.217947793	0.394355501
cg16040614	PRRT1	6	0.00068434	0.35046664	0.509493568
cg19227031	PRRT1	6	0.00039987	0.281981876	0.418298602
cg22849665	PRRT1	6	0.02327258	0.13237641	0.237274761
cg05764839	PRRT1	6	0.00158387	0.126476095	0.227148289
cg01943851	PRRT2	16	0.00129139	0.70530172	0.842885412
cg26647566	PRSS12	4	0.02186618	0.174847732	0.275193582
cg04149015	PRSS36	16	0.0013379	0.165642661	0.282581755
cg04797061	PRSS36	16	0.00241097	0.334385023	0.436402658
cg20094462	PRTN3	19	0.00141026	0.097869182	0.214924519
cg13579473	PSD3	8	0.02228887	0.449971745	0.608723486
cg24804106	PSD3	8	0.00870659	0.686877334	0.792588591
cg09894683	PSD3;PSD3	8	0.0474703	0.236527354	0.39374514
cg13717374	PSMC4;PSMC	19	0.00994401	0.635429323	0.735624371
cg03172765	PSMD1	2	0.01693549	0.511100173	0.703049527
cg05989984	PSMD9;WDR	12	0.02759073	0.576015342	0.74489632
cg17357561	PTBP1;PTBP1	19	0.00847987	0.287393108	0.482034099
cg02086742	PTBP1;PTBP1	19	0.00181611	0.62034762	0.810708052
cg01025800	PTBP1;PTBP1	19	0.00613289	0.541534649	0.692079584
cg15077193	PTBP1;PTBP1	19	0.01445403	0.132200035	0.268146851
cg00999243	PTBP1;PTBP1	19	0.04711349	0.469032589	0.58212994
cg16656493	PTCRA	6	0.00057145	0.385341885	0.520909397
cg14914552	PTDSS1	8	0.0021829	0.530605729	0.703243321
cg24862548	PTDSS1	8	0.00073359	0.523158738	0.662609745
cg09096671	PTDSS1	8	0.00016457	0.256916724	0.393639564
cg12813802	PTDSS1	8	0.01437541	0.524406392	0.638278197
cg21909859	PTDSS1	8	0.00526261	0.133817152	0.245259022
cg10575846	PTDSS2	11	0.00024559	0.449083889	0.65592988
cg08251761	PTDSS2	11	0.00090948	0.399911302	0.569388338
cg17005222	PTDSS2	11	0.00824491	0.481436909	0.628183746
cg21075020	PTDSS2	11	0.0003561	0.60884332	0.722712287
cg15751198	PTDSS2	11	0.00769848	0.683407929	0.794175685
cg12603671	PTGER3;PTGI	1	0.0414141	0.132386364	0.276399513
cg01311102	PTGES2;PTGI	9	0.02676974	0.481552191	0.594249643
cg04041000	PTH1R	3	0.00195452	0.399565673	0.634264949
cg18707417	PTH1R	3	0.00077796	0.305765762	0.469342803
cg17378686	PTH1R	3	0.00722524	0.124735	0.226459313
cg07515250	PTK2;PTK2	8	0.02069083	0.650088085	0.758903399
cg00658161	PTK2B;PTK2E	8	0.00416419	0.402201045	0.535614133
cg07235774	PTK7;PTK7;P	6	0.00303663	0.191219057	0.307636498
cg02454815	PTOV1	19	0.00223518	0.707630637	0.817482934
cg12857652	PTP4A1	6	0.01075114	0.484333615	0.647860313
cg01542486	PTP4A3;PTP4	8	0.04661067	0.552583144	0.669796219
cg11441148	PTPLAD1	15	0.01720487	0.265969016	0.366424916
cg23473863	PTPLB	3	0.03910208	0.747286933	0.870300649
cg07268431	PTPN23	3	0.01967595	0.154243336	0.325717411

cg27234747	PTPN4	2	0.00302015	0.3133119	0.501586857
cg22335340	PTPN6;C12or	12	0.01314222	0.539414031	0.660226305
cg21278103	PTPRA;PTPRA	20	0.00733413	0.24436992	0.347754122
cg14048460	PTPRD;PTPRI	9	0.00776948	0.618928738	0.726055755
cg04025127	PTPRF;PTPRF	1	0.00128089	0.395582867	0.538721449
cg13235366	PTPRF;PTPRF	1	0.00229588	0.151086	0.294022543
cg24808162	PTPRF;PTPRF	1	0.00533499	0.324301395	0.42800432
cg18022607	PTPRG	3	0.03975753	0.643365168	0.744673134
cg27118533	PTPRK;PTPRK	6	0.01740203	0.126547088	0.284827975
cg02505956	PTPRN2;PTPF	7	0.00036379	0.310091026	0.538168821
cg21323106	PTPRN2;PTPF	7	0.00217209	0.388617813	0.575682545
cg05101821	PTPRN2;PTPF	7	0.02285172	0.465111516	0.609862123
cg09130676	PTPRN2;PTPF	7	0.01522506	0.381004822	0.514858832
cg18849847	PTPRN2;PTPF	7	0.03063257	0.681565656	0.787769824
cg15085205	PTPRR	12	0.00647276	0.351255537	0.514047507
cg04757389	PTPRS;PTPRS	19	0.00151936	0.137313883	0.262572614
cg21488876	PTPRS;PTPRS	19	0.01302631	0.175753968	0.286881816
cg13896328	PTPRU;PTPRI	1	0.0018887	0.204472135	0.35994243
cg05724097	PUSL1	1	0.00055533	0.580900701	0.698620207
cg26369180	PUSL1	1	0.00547019	0.553947866	0.668654912
cg25328384	PVR;PVR;PVF	19	0.03673675	0.213843946	0.369284601
cg20847701	PVT1	8	0.00827511	0.12466712	0.320425333
cg07733247	PWWP2B;PM	10	0.00069426	0.533174092	0.656580201
cg15995714	PWWP2B;PM	10	0.00059981	0.464794332	0.5700615
cg20311673	PXDN	2	0.00501753	0.243092114	0.406187019
cg14230647	PXDN	2	0.02396889	0.542636433	0.653222568
cg21514857	PXDNL	8	0.04424731	0.245160493	0.381752222
cg11855524	PXMP2	12	0.02786633	0.661631208	0.767805776
cg09849967	QARS	3	0.0041214	0.601639169	0.749100747
cg13991698	QSOX1;QSOX	1	8.60E-05	0.554030287	0.704143899
cg23626387	QSOX1;QSOX	1	0.00461952	0.162242152	0.30999372
cg10023454	QSOX1;QSOX	1	0.02785078	0.56249425	0.691300541
cg05324989	QTRT1	19	0.00816666	0.349438498	0.495437318
cg02363202	R3HDM2	12	0.00151456	0.368050899	0.504202424
cg04685747	RAB11B	19	0.0164709	0.303604451	0.41434242
cg09962377	RAB11FIP3	16	0.00416032	0.170925782	0.340518232
cg00806214	RAB11FIP3	16	0.00034862	0.347543949	0.450856551
cg09408143	RAB11FIP3;R	16	0.02766815	0.379755772	0.488137014
cg03644750	RAB11FIP3;R	16	0.00118547	0.67885054	0.786976371
cg06059043	RAB11FIP3;R	16	0.01477303	0.380214057	0.481667339
cg05000339	RAB11FIP4	17	0.00104555	0.270519625	0.426621327
cg24174232	RAB11FIP4	17	0.00394117	0.184477454	0.333133824
cg25709050	RAB11FIP4	17	0.00466407	0.27063055	0.402607751
cg16779580	RAB11FIP4	17	0.02863399	0.181326484	0.305500693
cg01433190	RAB11FIP5	2	0.03299538	0.433390384	0.591561781
cg26881535	RAB3GAP2;A	1	0.00332328	0.237078621	0.474860114

cg03349407	RAB3GAP2;A	1	0.00632225	0.291686337	0.496072813
cg06755297	RAB3GAP2;A	1	0.00604701	0.661954564	0.788429725
cg18573251	RAB3IL1	11	0.0028186	0.222622715	0.434497555
cg03828193	RAB40B	17	0.00577668	0.365754241	0.509475664
cg07597022	RAB40C	16	0.00071774	0.490896212	0.675318581
cg04911050	RAB40C	16	0.00303288	0.386310597	0.516224819
cg06714655	RAB40C	16	0.00571569	0.644611542	0.769760048
cg08524190	RAB43	3	0.02248484	0.224158258	0.368219273
cg25961292	RAB6A;RAB6	11	0.03975084	0.585785307	0.687709815
cg10098464	RAB7L1;RAB7L1	1	0.0013563	0.397632309	0.557543236
cg06459724	RAB7L1;RAB7L1	1	0.00515955	0.153254697	0.299511365
cg08523456	RAB8A	19	0.04838893	0.481639924	0.5834556
cg12019814	RAD21	8	0.00157763	0.579711387	0.737996292
cg09914029	RAD21	8	0.00287379	0.712108772	0.843971565
cg04147497	RAD51L1	14	0.02088	0.389132757	0.527032568
cg09388160	RAD51L1	14	0.01318141	0.829820287	0.94761513
cg14290070	RAD51L1;RAI1	14	0.00969289	0.646275091	0.757018512
cg01197302	RADIL	7	0.00179914	0.193580221	0.384493214
cg25326856	RADIL	7	0.00269344	0.397057519	0.498700854
cg03461781	RAGE	14	0.04072857	0.405941605	0.538779403
cg19447962	RAI1	17	0.00070508	0.270530957	0.493130189
cg19147912	RAI1	17	0.00032917	0.288016792	0.501670286
cg03791861	RAI1	17	0.00039229	0.490268341	0.664313896
cg06685437	RAI1	17	0.0055777	0.161365118	0.302686418
cg16373176	RAI1	17	0.02052516	0.315891818	0.454772843
cg21126828	RAI1	17	0.0310947	0.558487132	0.682348796
cg06775073	RAI1	17	0.00073118	0.231391801	0.350971101
cg13658093	RAI1	17	0.04990637	0.628874752	0.735584742
cg02147681	RAI1	17	0.00579974	0.143865895	0.249459259
cg10870160	RAI1	17	0.00946953	0.220766168	0.322126851
cg07505049	RAI14;RAI14;	5	0.0039499	0.61686173	0.736508015
cg01363736	RALGAPB	20	5.40E-05	0.579392488	0.813025449
cg14586546	RALGDS	9	0.00291803	0.228780903	0.37350117
cg14468055	RALGDS	9	0.00053483	0.699044775	0.811141421
cg14541011	RALGDS;RALGAPB	9	0.00078633	0.153072834	0.26272416
cg13471932	RALGDS;RALGAPB	9	0.00718013	0.588611868	0.693834436
cg10846682	RAMP1	2	0.00043645	0.313295009	0.495199046
cg02091185	RANBP17	5	0.03973449	0.227601597	0.328000601
cg02909097	RAP1GAP2;R	17	0.00050982	0.238231561	0.414773414
cg15070283	RAP1GAP2;R	17	0.0077782	0.451536884	0.561686916
cg07211684	RAPGEF2	4	0.01849695	0.591800897	0.696811564
cg26738160	RAPSN;RAPS	11	0.00321939	0.176279155	0.294530937
cg26878655	RARA;RARA;f	17	0.00052049	0.544478644	0.687255513
cg15803221	RARA;RARA;f	17	0.0003354	0.270209349	0.408991778
cg19458020	RARA;RARA;f	17	0.00505472	0.13208465	0.256419509
cg10592478	RARG;RARG	12	0.0014077	0.208383293	0.416480259

cg21746001	RARG;RARG	12	0.01531015	0.50872025	0.64079542
cg13937905	RARG;RARG	12	0.00191296	0.356811431	0.460367337
cg08977270	RARRES1;RAI	3	0.00170178	0.528959333	0.643486678
cg05187651	RASA3	13	4.94E-05	0.279569285	0.631270075
cg18013730	RASA3	13	0.00033508	0.269155418	0.488000066
cg00502575	RASA3	13	0.00037844	0.398847391	0.613583625
cg21107044	RASA3	13	0.00095935	0.332979691	0.517011749
cg15082473	RASA3	13	0.02293515	0.331591713	0.48714053
cg10124548	RASA3	13	0.00122521	0.263191165	0.402327545
cg06560223	RASA3	13	0.02903712	0.380435382	0.499642967
cg24701606	RASA3	13	0.04646973	0.572007095	0.681139494
cg22906709	RASA3	13	0.03228528	0.610632015	0.715126968
cg22216196	RASAL3	19	0.00052566	0.312588386	0.449260874
cg24002183	RASAL3	19	0.001146	0.357676286	0.481111144
cg12360046	RASAL3	19	0.00035856	0.336645174	0.445849113
cg08846870	RASAL3	19	0.00279548	0.138006987	0.24223855
cg15436174	RASGEF1A	10	0.04212867	0.443313731	0.546014297
cg04493793	RASGRF2	5	0.00291759	0.623544811	0.740918207
cg15787807	RASGRP2;RA	11	0.02873594	0.296258647	0.413630219
cg17735563	RASGRP3;RA	2	0.00125558	0.602087463	0.730632172
cg06192057	RASL12	15	0.00687475	0.32439114	0.446223015
cg22356428	RASSF5;RASS	1	0.04358138	0.132954708	0.23355071
cg24881255	RAX2;RAX2	19	0.01343759	0.314460199	0.418098839
cg07001334	RBM20	10	0.00180528	0.62791142	0.739911567
cg21226754	RBM22	5	0.00696459	0.61192029	0.730892501
cg08161081	RBM39;RBM	20	0.02232953	0.282948996	0.411296
cg27052183	RBM4	11	0.0439296	0.429209835	0.545490508
cg22109787	RBM43	2	0.02926923	0.207057258	0.358023404
cg04355617	RBM46	4	0.00025709	0.763188409	0.890101955
cg08127080	RBMS1;RBM!	2	0.0072262	0.34008088	0.537874502
cg02048613	RBMS1;RBM!	2	0.01978318	0.301811999	0.448299171
cg14032077	RBMS1;RBM!	2	0.03685379	0.156575141	0.271473277
cg08667600	RBMS3;RBM!	3	0.00016884	0.375974416	0.669751475
cg22494026	RBMS3;RBM!	3	0.0036843	0.211345247	0.43061469
cg25834692	RBMS3;RBM!	3	0.00354851	0.633346822	0.791505321
cg23537305	RBMS3;RBM!	3	0.00798582	0.595583093	0.717859294
cg22992279	RBPJ;RBPJ;RE	4	0.01696142	0.406814137	0.561152688
cg16550606	RCBTB1	13	0.00067726	0.249114763	0.423588882
cg17487741	RCBTB1	13	0.00167042	0.160826606	0.32826465
cg13471374	RCL1	9	0.0021457	0.536898017	0.693706498
cg03907174	RCN3	19	0.00572475	0.310130288	0.523488434
cg22619810	RCOR2	11	0.00487885	0.695903715	0.828345985
cg10823566	RCSD1	1	0.00450576	0.238244929	0.421594177
cg18744482	RDBP	6	0.00246356	0.460943296	0.580296283
cg09354263	RECQL5;LOC	17	2.96E-05	0.263418677	0.47574356
cg08907956	REEP3	10	0.00057456	0.37783815	0.596425048

cg11937768	REEP3	10	0.00824491	0.316421025	0.527458355
cg14396758	RELL1;RELL1	4	0.01311738	0.437940083	0.599086437
cg02047803	RELL2;RELL2	5	0.00301858	0.32975092	0.438200822
cg10630085	RELT;RELT	11	0.00343438	0.391256673	0.574293365
cg27235337	RER1	1	0.00070392	0.174677192	0.398875908
cg19400316	RERE;RERE	1	0.00982444	0.328088	0.533850716
cg25722041	RERE;RERE	1	0.00087119	0.402469543	0.567341346
cg13400249	RERE;RERE;R	1	0.04198024	0.31773351	0.455888981
cg02780029	RET;RET	10	0.00043527	0.398325356	0.559883206
cg18850929	REXO1	19	0.00023963	0.456927029	0.575274532
cg04212651	RFPL4B	6	0.00089898	0.518532167	0.739464742
cg24250363	RFPL4B	6	0.00114657	0.242165426	0.407149617
cg15952465	RFPL4B	6	0.02698902	0.567329958	0.695557059
cg07205154	RFWD2;RFW	1	0.0024123	0.544462747	0.71223585
cg12728543	RFWD2;RFW	1	0.02707074	0.646475861	0.784089564
cg07297322	RFWD3	16	0.00422651	0.540489569	0.672561328
cg08675117	RFX2;RFX2	19	0.04461663	0.154098138	0.270734355
cg25741259	RFX2;RFX2	19	0.02129001	0.546392922	0.655826574
cg13951632	RGL1	1	0.03523184	0.774659584	0.880515373
cg24937727	RGL3;RGL3	19	0.0141948	0.125287976	0.237289797
cg26905931	RGMA;RGM/	15	0.00058463	0.219677871	0.453423908
cg14819229	RGMA;RGM/	15	0.0027045	0.570636651	0.778329653
cg03462901	RGMA;RGM/	15	0.00025565	0.303688542	0.509211074
cg05342906	RGMA;RGM/	15	0.00053746	0.604911632	0.732867102
cg24569831	RGMA;RGM/	15	0.00017486	0.234318168	0.38870026
cg13838057	RGP1;GBA2	9	0.00499596	0.661766695	0.800696343
cg13702185	RGS12;RGS1:	4	0.00466266	0.195840006	0.36111442
cg03971808	RGS12;RGS1:	4	0.00024762	0.655884465	0.79204981
cg08403043	RGS12;RGS1:	4	0.0005266	0.330306525	0.526892595
cg10954765	RGS12;RGS1:	4	0.01542542	0.623143377	0.765338647
cg16324409	RGS12;RGS1:	4	0.00850506	0.161594877	0.283667614
cg05023691	RGS13;RGS1:	1	0.03147495	0.598254377	0.750139506
cg06569139	RGS22	8	0.02341466	0.305935695	0.414335422
cg21836117	RGS6	14	0.00109964	0.385323243	0.502722992
cg21910196	RGS6	14	0.01509301	0.403150765	0.50327342
cg05333149	RHBDD3	22	0.00026401	0.43966843	0.54062016
cg07405083	RHBDF1	16	0.0012626	0.21044067	0.388492853
cg00179196	RHBDF1	16	0.00185104	0.351261456	0.469123148
cg11164618	RHBDF2;RHB	17	0.00924069	0.436552664	0.539018473
cg15120848	RHBDL2	1	0.01861367	0.58936932	0.707305004
cg18237616	RHEB	7	0.00522979	0.22243202	0.392237427
cg20333869	RHEB	7	0.04133244	0.41119346	0.563542287
cg22780675	RHOBTB3	5	0.03928654	0.181046483	0.363135247
cg12473775	RHOD	11	0.00739374	0.150984274	0.253532561
cg20171453	RHOH	4	0.01347545	0.415827726	0.53016634
cg10331518	RHOT2	16	0.00555595	0.702379446	0.820513244

cg00904273	RHOT2;WDR	16	0.03100352	0.553247832	0.664959894
cg03054541	RIC3;RIC3	11	0.00112085	0.434505283	0.650884218
cg18393905	RICTOR	5	0.00020695	0.585675363	0.819579726
cg02765418	RIF1	2	0.04654439	0.651407559	0.808696054
cg22107662	RIMBP3	22	0.00083981	0.294213577	0.484625019
cg08591048	RIMBP3C;RIN	22	0.00270401	0.290443678	0.417595463
cg16621991	RIMS1;RIMS	6	0.02201071	0.74559428	0.867128852
cg27036054	RIMS1;RIMS	6	0.00370254	0.672261992	0.846188306
cg01288337	RIN3	14	0.02213643	0.260221521	0.386308461
cg26751828	RIN3	14	0.01345265	0.26588235	0.374878842
cg15789055	RING1	6	0.00890414	0.567382871	0.668595097
cg13796295	RIPK3	14	0.00356845	0.445725195	0.565711929
cg12903024	RLBP1	15	0.00284217	0.269090908	0.436671097
cg20989926	RLBP1	15	0.01952593	0.399945395	0.521967303
cg10173075	RLBP1;RLBP1	15	0.00195139	0.386348466	0.53441697
cg00452882	RLTPR	16	0.0013184	0.377483576	0.532238393
cg10665490	RMND5A	2	0.0080034	0.369216552	0.522085104
cg23743911	RMND5A	2	0.00147662	0.280877516	0.388991128
cg01835580	RNASE7	14	0.00506027	0.145370006	0.251238946
cg01476179	RNF126	19	0.031242	0.451636045	0.55727629
cg06033764	RNF138;RNF	18	0.00757199	0.180572123	0.289830177
cg17918184	RNF144A	2	0.04063465	0.618076819	0.728563787
cg27346982	RNF157	17	0.02869408	0.469340517	0.598647235
cg02413097	RNF157	17	0.00427162	0.23759075	0.343256117
cg17589449	RNF185;RNF	22	0.00590949	0.206683217	0.33408279
cg22163472	RNF19B;RNF	1	0.00199021	0.613634247	0.747621015
cg24509898	RNF2	1	0.01705004	0.539481652	0.680563666
cg15106452	RNF208	9	0.00753661	0.52963038	0.699340869
cg11606607	RNF213;RNF	17	0.01187959	0.627730634	0.790057571
cg00059309	RNF213;RNF	17	0.01345198	0.203629974	0.305151532
cg19480263	RNF216;RNF	7	0.0016245	0.472351902	0.652625927
cg10329345	RNF220	1	0.00674875	0.277231289	0.414367833
cg09860921	RNF220	1	0.00293835	0.489562461	0.617032475
cg12736877	RNF39;RNF3	6	0.00038497	0.182698502	0.302519659
cg20748242	RNF44	5	0.00132594	0.140156506	0.315902088
cg03163812	RNF5P1	8	0.00114478	0.278853006	0.555852585
cg19311055	RNF5P1	8	0.00464266	0.434335235	0.641359411
cg19488149	RNGTT	6	0.04726532	0.64225551	0.759742886
cg26204913	RNH1;RNH1;	11	0.00016571	0.516006104	0.693227976
cg16933762	ROBO2;ROBO	3	0.02575997	0.667884789	0.828042716
cg24933651	ROBO2;ROBO	3	0.01356927	0.765895327	0.872122012
cg14216252	ROR1;ROR1	1	0.0001918	0.291060226	0.510004733
cg19267457	ROR1;ROR1	1	0.00800911	0.17147192	0.322275072
cg20629316	ROR1;ROR1	1	0.00718491	0.750484048	0.858177739
cg00937392	ROR2	9	0.00516027	0.457075301	0.590057576
cg14044388	ROR2	9	0.01695133	0.385161772	0.502176203

cg08099431	RORA	15	0.0330358	0.291718635	0.533590577
cg03952578	RORA	15	0.00126315	0.645323695	0.767387541
cg22387253	RORA	15	0.00411974	0.498751766	0.612282668
cg09984602	RORA	15	0.04875887	0.533112774	0.645536902
cg02391922	RORA;RORA;	15	0.02068381	0.162029629	0.317587545
cg22143395	RP1L1	8	0.0039735	0.47587711	0.594039468
cg04237489	RPA1	17	0.04378638	0.711596318	0.812631896
cg23227285	RPA3	7	0.01042043	0.490732026	0.599750083
cg12742645	RPH3AL	17	0.01403268	0.424668444	0.610736526
cg22251117	RPH3AL	17	0.04087119	0.443089863	0.583320129
cg09026994	RPH3AL	17	0.00808926	0.184383696	0.317187322
cg02671171	RPH3AL	17	0.04244912	0.170249192	0.293886855
cg17193961	RPH3AL	17	0.0090576	0.124534611	0.243635604
cg17316718	RPH3AL	17	0.00191129	0.171795134	0.289803954
cg11407989	RPL13AP17;N	7	0.03912243	0.385318745	0.515446045
cg03286617	RPRM	2	0.03556139	0.535424678	0.682269197
cg01805270	RPS23	5	0.00360738	0.518060838	0.64926621
cg05181927	RPS24;RPS24	10	0.01920036	0.323861795	0.502975246
cg16361947	RPSA;RPSA;S	3	0.00030197	0.195335961	0.442463588
cg02864619	RPTOR;RPTO	17	7.44E-05	0.421417831	0.658625059
cg16780847	RPTOR;RPTO	17	0.03395864	0.351832391	0.54845029
cg12434898	RPTOR;RPTO	17	0.00423246	0.291457289	0.446523627
cg01886663	RPTOR;RPTO	17	0.00050146	0.393436102	0.540237392
cg01911440	RPTOR;RPTO	17	0.02309012	0.363742004	0.510130073
cg15815120	RPTOR;RPTO	17	0.00074	0.620252601	0.755563728
cg24327522	RPTOR;RPTO	17	0.02171655	0.367988704	0.50133221
cg20462129	RPTOR;RPTO	17	0.00039248	0.659709868	0.775909749
cg09361653	RPTOR;RPTO	17	0.00015308	0.448970803	0.564407095
cg16438182	RPTOR;RPTO	17	0.00306299	0.155230202	0.268696379
cg06053702	RPTOR;RPTO	17	0.00039886	0.575381219	0.686701478
cg14647957	RPTOR;RPTO	17	0.00070928	0.699665122	0.806329761
cg03890538	RPTOR;RPTO	17	0.01221635	0.30646182	0.406639412
cg03641032	RPTOR;RPTO	17	0.0349496	0.322687129	0.422814089
cg23979027	RRAGC	1	0.01121827	0.700523808	0.815638483
cg12632411	RRBP1;RRBP:	20	0.00206732	0.176215768	0.366188248
cg26161708	RRBP1;RRBP:	20	0.00318247	0.11842527	0.268862739
cg07597892	RRBP1;RRBP:	20	0.01329415	0.186798778	0.308898588
cg01358966	RRN3P2	16	0.00577367	0.463733372	0.608993658
cg06522491	RRP7B	22	0.00163875	0.206855985	0.319231262
cg24517066	RSAD1	17	0.03323484	0.117347248	0.25054424
cg03570279	RSF1	11	0.02537592	0.716092868	0.856420822
cg07112562	RSU1;RSU1	10	0.02145024	0.561642259	0.683809239
cg04851617	RSU1;RSU1	10	0.03794673	0.703780621	0.80566098
cg11012153	RTEL1;RTEL1	20	0.0037719	0.182852959	0.28601054
cg00326131	RTKN;RTKN;F	2	0.00055166	0.150430422	0.289994492
cg11994630	RTKN;RTKN;F	2	0.00035088	0.356711656	0.468548846

cg22052672	RTKN;RTKN;F	2	0.00223486	0.338283543	0.447582925
cg22597794	RTN4;RTN4;F	2	0.00265137	0.688159356	0.809325748
cg16474791	RTN4R	22	0.00172356	0.612092544	0.771969473
cg18280126	RTN4RL2	11	0.00399603	0.438025934	0.56237089
cg02767634	RUFY1;RUFY:	5	0.0091327	0.317475412	0.511210092
cg04194479	RUNDC2C	16	0.00089957	0.348157453	0.590406186
cg08254842	RUNDC2C	16	0.02752528	0.223472133	0.357122823
cg22644557	RUNX1T1;RU	8	0.00171093	0.778703411	0.893187459
cg14666397	RUNX1T1;RU	8	0.00541113	0.674104144	0.79090568
cg04110902	RUNX2;RUN>	6	0.03564622	0.544610578	0.660464317
cg10013501	RUNX3;RUN>	1	0.00225347	0.394246502	0.523098187
cg05162523	RUNX3;RUN>	1	0.00281593	0.242018503	0.356756137
cg12577372	RUSC1;C1orf	1	0.00191967	0.165642497	0.292502716
cg02319187	RXRA	9	0.00185603	0.472597162	0.699917829
cg14344989	RXRA	9	0.00553428	0.17291785	0.371901138
cg04875697	RXRA	9	0.00297231	0.418564159	0.600134869
cg14545975	RXRA	9	0.00187795	0.446229078	0.624301392
cg13425135	RXRA	9	0.00163965	0.433033996	0.560622462
cg11284973	RXRB	6	0.00117522	0.245611218	0.431481311
cg06370855	RXRB	6	0.00113051	0.217525088	0.360783415
cg19033438	RXRB	6	0.00538062	0.545798691	0.673473056
cg04966574	RXRB	6	0.00074552	0.340909832	0.468484912
cg14263924	RXRB	6	0.0030301	0.580810258	0.705622278
cg07516307	RXRB	6	0.00047393	0.618320322	0.731776334
cg08092515	RYK;RYK	3	0.01645485	0.583057711	0.717094803
cg00299070	RYR2	1	0.04161958	0.188543528	0.351709873
cg17080740	S100A1;S100	1	0.00262805	0.233008697	0.373965363
cg14467840	S100A13;S10	1	0.00170337	0.158305733	0.336438974
cg10963218	S100A13;S10	1	0.00354059	0.248013498	0.434771003
cg20847746	S100A13;S10	1	0.02135763	0.197048553	0.367086424
cg15559456	S100A13;S10	1	0.00991829	0.152827511	0.315348696
cg10224088	S100A13;S10	1	0.04175185	0.204845737	0.365848483
cg27441409	S100A7L2	1	0.01342878	0.406641018	0.523339109
cg11064537	S100B	21	0.03484112	0.140085459	0.299987192
cg07152925	S100B	21	0.01359455	0.096117756	0.210577089
cg04353438	SAFB2	19	0.01214342	0.234218274	0.397861468
cg14786757	SAFB2	19	0.00224465	0.282139599	0.407531487
cg04312620	SALL4	20	0.00141496	0.32850296	0.465753702
cg14160518	SALL4;SALL4	20	0.00039987	0.310942285	0.470504918
cg13856810	SAMD11	1	0.00516308	0.342783181	0.494507474
cg23901920	SAMD4A;SAM	14	0.01491851	0.131414749	0.298096724
cg10888242	SAMD4A;SAM	14	0.02218108	0.291466641	0.445376101
cg02035733	SAMD4A;SAM	14	0.00307804	0.502675134	0.615288127
cg16075775	SAMD4A;SAM	14	0.03785784	0.684753654	0.79112532
cg09890930	SARNP;SARN	12	0.02163794	0.244906332	0.361271824
cg11847805	SART3	12	0.03910831	0.66016808	0.792919103

cg26300500	SBF1	22	0.00191739	0.470330742	0.642503496
cg15226135	SBF1	22	0.00252603	0.674380639	0.817415489
cg18019717	SBF1	22	0.0031712	0.514531121	0.639054533
cg07016730	SBF1	22	0.04560502	0.395093287	0.511934611
cg09506661	SBNO2	19	0.00365072	0.576936487	0.774421085
cg18693051	SBNO2	19	0.00406408	0.168602252	0.3507317
cg06430102	SBNO2	19	0.00216814	0.592501876	0.772032487
cg04563863	SBNO2	19	0.01813637	0.402689074	0.54169282
cg26019472	SBNO2	19	0.00297351	0.176369015	0.313404706
cg08286551	SBNO2	19	0.03074873	0.383771231	0.504616597
cg05634040	SBNO2	19	0.02021275	0.225638877	0.33125706
cg19649900	SBNO2	19	0.00211876	0.104507604	0.207618792
cg21080562	SBNO2;SBNC	19	0.00046655	0.202153728	0.378378912
cg19780712	SBNO2;SBNC	19	0.0017736	0.468551702	0.591544316
cg09759578	SCAMP4;AD/	19	0.01214236	0.68918053	0.804072555
cg22152492	SCAND3	6	0.00266436	0.407564174	0.530248244
cg20781847	SCARA3;SCAI	8	0.01237513	0.152862121	0.322670748
cg03871354	SCARA5	8	0.01064956	0.116510561	0.237555476
cg13075279	SCARB1;SCAF	12	0.00644344	0.466399884	0.657972003
cg22775642	SCARB1;SCAF	12	0.0003561	0.209730528	0.374682805
cg09268718	SCARF1;SCAF	17	0.00093627	0.298366274	0.558497033
cg18518722	SCARF2;SCAF	22	0.00022716	0.586589982	0.709719668
cg22091609	SCARF2;SCAF	22	0.01381547	0.247847335	0.353821925
cg12895179	SCARF2;SCAF	22	0.0150454	0.247095813	0.349009398
cg24708308	SCARNA11;C	12	0.0059686	0.338897092	0.521039709
cg16744911	SCD	10	0.00155324	0.177403937	0.361280207
cg02237755	SCD	10	0.02497333	0.246889806	0.399151012
cg04881673	SCD5;SCD5	4	0.00065328	0.504474606	0.683139228
cg23999526	SCFD2	4	0.01891861	0.139732868	0.254518706
cg06633426	SCMH1;SCMI	1	0.01052079	0.591408807	0.726672655
cg16061228	SCN4B;SCN4I	11	0.00071222	0.229503584	0.342458219
cg18827501	SCN7A	2	0.0012115	0.784288443	0.885917273
cg24262376	SCNM1;LYSM	1	0.02626132	0.503729075	0.640300425
cg06902698	SCNM1;LYSM	1	0.00242177	0.162867599	0.286573127
cg10294363	SCNN1A;SCN	12	0.00294827	0.370348303	0.558789714
cg12510724	SCNN1A;SCN	12	0.00750468	0.204229421	0.387512145
cg23245485	SCNN1A;SCN	12	0.00674493	0.417109088	0.533207117
cg25098281	SCNN1A;SCN	12	0.00696336	0.299237467	0.403955656
cg05348123	SCRG1	4	0.04641961	0.557725037	0.674931348
cg01324261	SCRG1;SCRG	4	0.0214551	0.128267307	0.27826672
cg04858110	SCRN1;SCRN	7	0.00333487	0.584282142	0.701166059
cg16962683	SDC2	8	0.00186103	0.196330885	0.459075263
cg26842303	SDC2	8	0.00207283	0.426590395	0.635616812
cg12190613	SDC2	8	0.00497449	0.324848071	0.498108995
cg14830748	SDC2	8	0.0094938	0.770162873	0.874382822
cg14836522	SDC3	1	0.01281162	0.196836821	0.336112361

cg08443357	SDCBP2	20	0.01990676	0.279504162	0.425694787
cg05007126	SDCBP2	20	0.00089197	0.272891523	0.393784261
cg16786297	SDCBP2;SDCI	20	0.00405878	0.550595039	0.669479894
cg08262429	SDCCAG8	1	0.00165298	0.209231873	0.439910149
cg18367529	SDF4;SDF4	1	0.00040167	0.588374216	0.710553819
cg02491557	SDK1	7	0.03945163	0.238616607	0.373081284
cg18022346	SDK1	7	0.00820423	0.542507341	0.676161353
cg26275264	SDK1;SDK1	7	0.00057702	0.511544332	0.634864184
cg11170896	SDK1;SDK1	7	0.01325223	0.637033234	0.754614716
cg00711291	SDK2	17	0.00251006	0.18096528	0.428525289
cg14295306	SDK2	17	0.00119278	0.489438329	0.665716221
cg13699963	SDK2	17	0.00379533	0.195658966	0.349602348
cg24527434	SDK2	17	0.00078314	0.316056565	0.457125508
cg15836138	SDK2	17	0.04227867	0.105928912	0.212226036
cg26503079	SDR9C7	12	0.00092408	0.589740562	0.718191508
cg15046304	SEC14L1;SEC	17	0.00033491	0.225075098	0.444721099
cg20337028	SEC14L1;SEC	17	0.00660854	0.406962982	0.578557523
cg25135333	SEC16B	1	0.00847987	0.451395174	0.619899725
cg02289040	SEC16B	1	0.02797644	0.516454544	0.643320256
cg24974611	SEC16B	1	0.00642404	0.401281925	0.50894689
cg07468956	SECTM1	17	0.004821	0.612644269	0.726453712
cg22156899	SECTM1	17	0.00381389	0.231161257	0.337553556
cg17327217	SELI	2	0.03619574	0.444259416	0.568594621
cg16919420	SELO	22	0.01014277	0.450223038	0.572877654
cg04779597	SELT	3	0.00482165	0.614901394	0.748069827
cg12862820	SEMA3A	7	0.00048401	0.411951319	0.690334443
cg13988052	SEMA3A	7	0.04902695	0.728172282	0.840212116
cg19361615	SEMA3C	7	0.0134333	0.703994985	0.807623875
cg17819119	SEMA4C	2	0.00380407	0.298475407	0.460383603
cg05192533	SEMA4C	2	0.03293767	0.581588982	0.740787809
cg11060194	SEMA4C	2	0.00086799	0.43928539	0.562267445
cg02770985	SEMA4C	2	0.01860501	0.418233324	0.534298892
cg13474090	SEMA4D;SEM	9	0.03395234	0.559820301	0.681539987
cg21578050	SEMA6A	5	0.0001566	0.721568822	0.856662286
cg09143801	SEMA6C	1	0.00049471	0.154212791	0.295502363
cg27157619	SEMA7A;SEM	15	0.00043909	0.2693934	0.491621049
cg14397309	SENP1	12	0.02906349	0.155581041	0.282607666
cg16976499	SENP6;SENP6	6	0.01474116	0.337751888	0.480999085
cg09413645	SEPT11	4	0.04979195	0.730592832	0.875243084
cg03432618	SEPT3	22	0.00960844	0.356806227	0.502182378
cg19759172	SEPT4;SEPT4	17	0.00057877	0.378215922	0.49571208
cg24576026	SEPT9;SEPT9	17	0.00506027	0.15557054	0.261111555
cg19083265	SEPT9;SEPT9	17	0.00380979	0.643525229	0.74479251
cg26079706	SEPT9;SEPT9	17	0.00079855	0.485534025	0.663791251
cg01320579	SEPT9;SEPT9	17	0.00047964	0.245067693	0.421611017
cg07827420	SEPT9;SEPT9	17	0.00134829	0.342526163	0.503091321

cg17112975	SEPT9;SEPT9	17	0.0034533	0.206807829	0.339904666
cg00871371	SEPT9;SEPT9	17	0.01757612	0.461055082	0.58524174
cg17922695	SEPT9;SEPT9	17	0.00067128	0.427988379	0.599242844
cg12194864	SEPT9;SEPT9	17	0.00148749	0.663983385	0.810322226
cg14843920	SEPT9;SEPT9	17	0.00459497	0.625390618	0.763026299
cg07324245	SEPT9;SEPT9	17	0.0025219	0.185744953	0.308270823
cg02397064	SEPT9;SEPT9	17	0.0002752	0.629592156	0.748769022
cg14885762	SEPT9;SEPT9	17	0.00088441	0.265959425	0.381186997
cg17053854	SEPT9;SEPT9	17	0.00012484	0.704587339	0.817441287
cg02482730	SEPT9;SEPT9	17	0.04461865	0.137632172	0.293532345
cg06791979	SEPT9;SEPT9	17	0.00275835	0.386772696	0.511934993
cg01899544	SEPT9;SEPT9	17	0.01033099	0.532984542	0.647189084
cg26415789	SEPT9;SEPT9	17	0.03173688	0.514657914	0.617731991
cg12673019	SERGEF	11	0.04990401	0.354581702	0.51143725
cg21985691	SERGEF	11	0.001245	0.192669026	0.343850209
cg12480176	SERINC1	6	0.01443894	0.678660878	0.801480834
cg06677021	SERINC5	5	0.0034773	0.599308476	0.765237009
cg02126235	SERPINA1;SE	14	0.00405878	0.127568858	0.230064304
cg24099605	SERPINA4	14	0.00527843	0.369697253	0.524401545
cg23524537	SERPINA4	14	0.00024762	0.253737321	0.392941907
cg24349668	SERPINB7;SE	18	0.04908743	0.726209113	0.847074651
cg07348591	SERPINE2;SEI	2	0.02149089	0.640247117	0.802757124
cg21458932	SERPINF2;SEI	17	0.00217695	0.333266851	0.433869077
cg01417313	SERTAD4	1	0.00014645	0.184699175	0.443857294
cg24180006	SETD3;SETD3	14	0.00263798	0.213308697	0.457648573
cg22633932	SETD7	4	3.61E-05	0.488392923	0.68960811
cg22885062	SF1;SF1;SF1	11	0.02385018	0.56322465	0.711890805
cg03986574	SF1;SF1;SF1;'	11	0.00016594	0.582020035	0.750185172
cg03421300	SFN	1	0.00796446	0.592211881	0.719648051
cg13466284	SFN;SFN	1	0.01346934	0.34327529	0.453554936
cg02154585	SFRP1	8	0.00127001	0.483315049	0.645630423
cg21977218	SFRS12;SFRS	5	0.02135763	0.49536733	0.610488262
cg22363327	SFRS13B	6	0.00023641	0.150599562	0.257883441
cg15817163	SFRS8	12	0.03020602	0.409266285	0.562924651
cg06555661	SFRS8	12	0.02869285	0.359884103	0.50277185
cg08383863	SFXN5	2	0.00357907	0.484683493	0.630463985
cg22830638	SFXN5	2	0.00039642	0.185303982	0.317251139
cg04582295	SGCA;SGCA	17	0.00014612	0.508735302	0.616807434
cg15756653	SGCA;SGCA;S	17	0.01012575	0.526118004	0.630627115
cg00880562	SGEF	3	0.01585814	0.431939677	0.547347448
cg12270633	SGIP1	1	0.00114525	0.740989918	0.867932883
cg03920161	SGK2;SGK2	20	0.0028542	0.385825986	0.510986417
cg13799263	SGMS1	10	0.01980653	0.258899471	0.417583811
cg26950624	SGSH	17	0.00633391	0.525960729	0.65659136
cg09806432	SGSM2;SGSM	17	0.00229808	0.432072527	0.602040503
cg02569219	SGSM2;SGSM	17	0.01129525	0.623073046	0.741082385

cg23375247	SGTA	19	0.00079395	0.308135182	0.541309128
cg05910867	SGTA	19	0.01713603	0.604105435	0.749185919
cg26632151	SGTA	19	0.00340201	0.383736088	0.488656785
cg18378817	SGTA	19	0.00230751	0.549883973	0.653140801
cg10259889	SH2B2	7	0.0079422	0.231567142	0.338419926
cg13737221	SH2D3C;SH2I	9	0.00251761	0.127923389	0.279334998
cg13883603	SH2D3C;SH2I	9	0.00131248	0.360475083	0.48050871
cg13828227	SH2D3C;SH2I	9	0.00064112	0.290888697	0.400804448
cg10362613	SH2D4A	8	0.00238262	0.282256159	0.455256096
cg08975445	SH2D4B;SH2I	10	0.01784623	0.241985258	0.361810213
cg13609167	SH3BP2;SH3I	4	0.00045128	0.419998704	0.521694535
cg18403548	SH3BP2;SH3I	4	0.00228765	0.20966631	0.367231079
cg09042791	SH3BP4	2	0.00142303	0.303992318	0.557532613
cg12559925	SH3BP4	2	0.00415384	0.271036	0.4601794
cg01854776	SH3BP4	2	0.00467735	0.213454869	0.375944188
cg11677744	SH3BP4	2	0.00335867	0.160211701	0.293645089
cg19998400	SH3BP4	2	0.03476568	0.169951042	0.288738082
cg01881549	SH3BP4	2	0.02414701	0.161720462	0.279948821
cg01696784	SH3BP4	2	0.02734218	0.177798545	0.293940147
cg24203758	SH3D20	17	0.00085802	0.308533129	0.441799154
cg20463302	SH3D20	17	0.00051439	0.308044987	0.440858039
cg02030270	SH3GL3;SH3C	15	0.00128644	0.414493567	0.626300692
cg23985995	SH3PXD2A	10	0.01181492	0.22754135	0.363763598
cg04388244	SH3PXD2A	10	0.00408448	0.315817694	0.426034559
cg22973172	SH3PXD2A	10	0.00427082	0.128242661	0.231187466
cg03868944	SH3PXD2B	5	0.00312019	0.213574861	0.43214558
cg13022534	SH3PXD2B	5	0.01999399	0.167862288	0.369445155
cg25693317	SH3PXD2B	5	0.02608857	0.355714288	0.5489771
cg02772159	SH3PXD2B	5	0.00018505	0.371893264	0.541897627
cg15678744	SH3PXD2B	5	0.01155521	0.126031339	0.237515296
cg10529470	SH3PXD2B	5	0.00592141	0.215347379	0.316429437
cg27416948	SH3RF1	4	0.00105876	0.804393713	0.90500999
cg19024599	SH3RF3	2	0.00143945	0.387850563	0.627273736
cg14966782	SH3RF3	2	0.0241326	0.210489178	0.344121749
cg07248017	SH3TC1	4	0.00224626	0.430410277	0.564137923
cg20277282	SH3TC1	4	0.00721037	0.234244476	0.350973264
cg10842314	SH3TC1	4	0.01212799	0.511470267	0.616080619
cg14818279	SH3TC2	5	6.54E-05	0.323981065	0.614297687
cg09548638	SH3TC2	5	0.00302664	0.234371569	0.420354806
cg26474043	SH3TC2	5	0.00079396	0.236898494	0.362029762
cg15418783	SHANK2	11	0.00128815	0.352266496	0.506605485
cg06868991	SHANK2	11	0.01306633	0.461423364	0.604776661
cg17959824	SHANK2;SHA	11	6.85E-05	0.453256021	0.649707915
cg12159995	SHANK2;SHA	11	0.00365059	0.495992011	0.604850523
cg13213810	SHANK3	22	0.00045865	0.147303951	0.286994014
cg06422471	SHANK3	22	0.00332856	0.13336271	0.235084059

cg04112058	SHCBP1	16	0.0056963	0.550907386	0.741523794
cg25801113	SHF	15	0.04334592	0.567781363	0.670484234
cg00954833	SHFM1	7	0.01684298	0.286372272	0.462643369
cg26291675	SHKBP1	19	0.01426159	0.555511195	0.658552441
cg12639933	SHMT2;SHM	12	0.00037346	0.198713738	0.343074718
cg05016201	SHOC2	10	0.03321432	0.386403541	0.545793059
cg25004176	SHPK;TRPV1	17	0.01156455	0.770070634	0.893853201
cg03184410	SHROOM3	4	0.0022517	0.694717379	0.814670187
cg13284789	SIDT1	3	0.01084931	0.430201131	0.596367034
cg17376853	SIGIRR;SIGIRI	11	0.01332617	0.381466492	0.539013869
cg11320438	SIGLEC11;SIC	19	0.03041863	0.571644651	0.673306363
cg10824582	SIK3	11	0.02968742	0.149252959	0.261582227
cg25462751	SIL1;SIL1	5	0.0071726	0.231351766	0.421584242
cg07536018	SIL1;SIL1	5	0.02134171	0.120432285	0.309499774
cg01324702	SIL1;SIL1	5	0.00797628	0.134699754	0.274169652
cg19951297	SIL1;SIL1	5	0.01118943	0.107000005	0.211235587
cg10538440	SIM2;SIM2	21	0.01096723	0.298435605	0.461488691
cg10814646	SIM2;SIM2	21	0.00748222	0.205937501	0.35295138
cg21033440	SIPA1;SIPA1	11	0.00093627	0.220897995	0.376391978
cg24147428	SIPA1;SIPA1	11	0.00250802	0.255470106	0.35711622
cg18975839	SIPA1L2	1	0.00561254	0.606154182	0.728647818
cg15537788	SIPA1L3	19	0.01046493	0.350114844	0.500948076
cg08622098	SIPA1L3	19	0.00128959	0.744456716	0.857833733
cg04400145	SIRPA	20	0.02235382	0.251618372	0.385546479
cg00472837	SIRPD	20	0.00756111	0.602633226	0.727975592
cg13832290	SIT1	9	5.93E-05	0.326397589	0.457015343
cg27181142	SIX5	19	0.00022291	0.249113551	0.406271126
cg24338091	SIX5	19	0.00469565	0.152785121	0.2745998
cg25686087	SIX5	19	0.00094173	0.228825544	0.348306614
cg04842161	SKAP2	7	0.0181949	0.620992126	0.744778329
cg02360367	SKI	1	0.00055717	0.376776657	0.607350398
cg24377150	SKI	1	0.00331445	0.43437414	0.616956416
cg12473697	SKI	1	0.00485967	0.258188055	0.421617111
cg17854510	SKI	1	0.01797433	0.306337154	0.442404883
cg05948763	SKI	1	0.02268136	0.411532786	0.543886643
cg21405929	SKI	1	0.00482168	0.277055785	0.403429793
cg04619852	SKI	1	0.00623577	0.283117984	0.404443406
cg03631837	SKI	1	0.0242858	0.598680947	0.715062905
cg02050917	SKI	1	0.00195431	0.268024524	0.381918125
cg05156582	SKI	1	0.00398277	0.284362728	0.39750053
cg12222277	SKI	1	0.00212219	0.562558134	0.669001246
cg16575461	SKI	1	0.00926387	0.659517125	0.760897615
cg14178705	SKIV2L	6	0.00180584	0.588500374	0.745131207
cg13015485	SKIV2L	6	0.01204052	0.324634498	0.473076664
cg24067788	SKIV2L	6	0.00199647	0.638450783	0.746938364
cg04693787	SKIV2L	6	0.00104489	0.447347555	0.551448793

cg13119182	SLC10A6	4	0.02359032	0.162845495	0.308861624
cg01817009	SLC12A4;SLC	16	0.00085169	0.192138386	0.424765035
cg06134860	SLC12A4;SLC	16	0.00035687	0.409194771	0.522654707
cg10544611	SLC12A4;SLC	16	2.07E-05	0.507467673	0.692433812
cg06378129	SLC12A4;SLC	16	0.00015312	0.349177868	0.520740302
cg02564259	SLC12A4;SLC	16	0.00261321	0.236967097	0.429193926
cg07599484	SLC12A4;SLC	16	0.00031657	0.634464342	0.738683195
cg20003638	SLC12A5;SLC	20	0.00210897	0.257992483	0.377275937
cg11591485	SLC12A8	3	0.01028358	0.194524419	0.32836627
cg26803305	SLC14A1;SLC	18	0.00768117	0.168351676	0.338164988
cg13149442	SLC14A1;SLC	18	0.02903712	0.125877787	0.276896938
cg19363889	SLC14A1;SLC	18	0.00529372	0.396555847	0.594467803
cg25530583	SLC14A1;SLC	18	0.04208581	0.119384368	0.226626039
cg18130079	SLC16A1;SLC	1	0.0019262	0.349240916	0.600746613
cg20822693	SLC16A14	2	0.03107698	0.145948127	0.274614717
cg18247852	SLC16A3;SLC	17	0.00139098	0.300177861	0.474379583
cg26353859	SLC16A7	12	0.03893952	0.750754601	0.866911567
cg03227481	SLC16A9	10	0.01325385	0.644312801	0.770159314
cg22231400	SLC17A7	19	0.01366314	0.188978854	0.328182753
cg19074198	SLC19A1	21	0.00673317	0.331149349	0.485890733
cg13971030	SLC1A2	11	0.04406093	0.190823151	0.314400036
cg13434757	SLC22A1;SLC	6	0.02509027	0.298679594	0.513782512
cg12882392	SLC22A11	11	0.00139535	0.415930567	0.617116696
cg01822289	SLC22A11	11	0.00059998	0.411378761	0.597849432
cg01748193	SLC22A11	11	0.00011374	0.466564264	0.581406538
cg19497444	SLC22A18;SL	11	0.00139353	0.320583247	0.452158641
cg06048910	SLC22A18;SL	11	0.0007719	0.230914348	0.385483955
cg08472797	SLC22A18;SL	11	0.00194973	0.240336485	0.349218691
cg07291601	SLC22A18AS;	11	0.00095211	0.421992442	0.689699786
cg25548316	SLC22A18AS;	11	0.00354337	0.260418657	0.460610555
cg10943932	SLC22A18AS;	11	0.00799701	0.251595909	0.43032121
cg02081198	SLC22A18AS;	11	0.0018158	0.557079594	0.694849412
cg24041239	SLC22A18AS;	11	0.01752457	0.639094367	0.772892837
cg24102242	SLC22A23;SL	6	0.00478875	0.485498656	0.593342849
cg09226986	SLC22A3	6	0.00415102	0.189867203	0.350859732
cg26929925	SLC23A1;SLC	5	0.00682745	0.353805492	0.514916932
cg12205435	SLC23A1;SLC	5	0.01622885	0.322418694	0.477818794
cg11459648	SLC23A1;SLC	5	0.00466004	0.371898894	0.488509928
cg22944803	SLC24A3;LOC	20	0.01067648	0.162177432	0.36596493
cg11953252	SLC24A3;LOC	20	0.04087556	0.405627796	0.606316572
cg05200313	SLC24A4;SLC	14	0.01473031	0.156925882	0.263958237
cg11609462	SLC25A10	17	0.0267344	0.480200192	0.632137633
cg17913115	SLC25A10	17	0.01295569	0.152062962	0.252382526
cg04337734	SLC25A12	2	0.00169465	0.344879191	0.550370443
cg14213297	SLC25A25;SL	9	0.00724286	0.373532549	0.480817433
cg02828514	SLC25A30	13	0.01954375	0.658557949	0.779880293

cg16713727	SLC25A34	1	0.00011444	0.303175251	0.468160034
cg10881110	SLC25A34	1	0.00224479	0.263630103	0.38542293
cg26923754	SLC25A34	1	5.40E-05	0.415597315	0.519280386
cg03970032	SLC25A34;SL	1	0.00021941	0.589282668	0.698610158
cg02061660	SLC25A46	5	0.00632225	0.579469864	0.717085026
cg09153458	SLC26A1;IDU	4	0.01311664	0.686415325	0.811282496
cg25561754	SLC26A11;SL	17	0.00072443	0.338396312	0.530006215
cg10930502	SLC26A11;SL	17	0.0005641	0.165513316	0.286705632
cg09897656	SLC26A7;SLC	8	0.03016366	0.729727273	0.855840761
cg09479512	SLC27A1	19	0.00129139	0.174543404	0.341552859
cg02002247	SLC27A1	19	0.02667826	0.636040845	0.739043878
cg07826642	SLC29A1;SLC	6	0.00920859	0.199951551	0.37601202
cg22330763	SLC29A1;SLC	6	0.03840651	0.246410346	0.350478735
cg06702884	SLC29A3	10	0.02628063	0.344441079	0.477079294
cg02354828	SLC29A3	10	0.02045973	0.558733604	0.674219635
cg05345039	SLC2A1	1	0.00014848	0.377315188	0.619663273
cg20294984	SLC2A1	1	0.00503559	0.639107952	0.788085726
cg05942022	SLC2A1	1	0.01699907	0.194820484	0.323609452
cg15089806	SLC2A1	1	0.00888326	0.301064075	0.40572054
cg11417598	SLC2A2	3	0.02197869	0.740199235	0.843181631
cg12742826	SLC30A2;SLC	1	0.00042995	0.407123946	0.524511462
cg13058819	SLC35F3	1	0.01855725	0.17065321	0.284525289
cg02339793	SLC38A10;SL	17	0.00271603	0.352918943	0.542724846
cg07656922	SLC38A10;SL	17	0.00042068	0.282168397	0.45654655
cg18025838	SLC38A10;SL	17	0.00043429	0.569694039	0.709289393
cg15102609	SLC38A10;SL	17	0.00259008	0.653597827	0.790873728
cg22186315	SLC38A10;SL	17	0.0323598	0.552541531	0.679591696
cg14621907	SLC38A10;SL	17	0.03042257	0.154222926	0.276839167
cg14019146	SLC38A3	3	0.04658768	0.143181288	0.261394798
cg04682699	SLC38A3	3	0.01282285	0.356696736	0.473100241
cg06073139	SLC38A7	16	0.00079924	0.178124842	0.31661557
cg21461745	SLC39A11;SL	17	0.03297707	0.471631892	0.63666084
cg24625894	SLC39A4;SLC	8	0.04808359	0.56463422	0.672406796
cg22059438	SLC39A4;SLC	8	0.01215059	0.340046159	0.465230264
cg26750489	SLC39A7;HSC	6	0.00061006	0.53576469	0.763275564
cg25059165	SLC39A7;HSC	6	0.0011757	0.317309015	0.505276351
cg02362439	SLC39A7;HSC	6	0.00122304	0.587706702	0.717824318
cg21580456	SLC41A3;SLC	3	0.0009334	0.46999723	0.609952072
cg27315497	SLC43A1	11	0.00026569	0.205612586	0.370122757
cg09478995	SLC43A1	11	0.00470191	0.50867979	0.633032201
cg17330838	SLC43A1	11	0.00288916	0.178393195	0.293808387
cg09197783	SLC43A3;SLC	11	0.00888069	0.638615765	0.762642689
cg17965690	SLC44A2;SLC	19	0.00089841	0.236996316	0.380356707
cg21663431	SLC44A2;SLC	19	0.01484693	0.183904666	0.311215796
cg25595793	SLC44A2;SLC	19	0.00035539	0.244475576	0.362190554
cg06561886	SLC44A2;SLC	19	0.00077158	0.288960534	0.443161675

cg06033721	SLC44A3;SLC	1	0.00203998	0.58811997	0.737056019
cg27587935	SLC44A4	6	0.03738386	0.416399792	0.531151113
cg19117051	SLC44A4	6	0.00449402	0.255413006	0.361257239
cg01921484	SLC45A4	8	0.04514701	0.633939245	0.897682313
cg15708148	SLC47A2;SLC	17	0.01083073	0.509609098	0.625119661
cg24743310	SLC47A2;SLC	17	0.00297302	0.234868192	0.34064074
cg22073332	SLC4A4;SLC4	4	0.01128764	0.554020982	0.6702355
cg15966757	SLC6A13	12	0.01783536	0.43244229	0.553143339
cg13763232	SLC6A6;SLC6	3	0.00206146	0.269575757	0.426544565
cg20927312	SLC6A6;SLC6	3	0.00526261	0.52029274	0.623777534
cg04833514	SLC6A9	1	0.01128646	0.475326638	0.585382276
cg10752421	SLC7A1	13	0.00396113	0.502810333	0.659822256
cg26117398	SLC7A1	13	0.0037685	0.159630135	0.307345956
cg26637881	SLC7A5	16	0.00062792	0.275670179	0.454643154
cg04171052	SLC7A5	16	0.00310482	0.303985827	0.475617272
cg06665333	SLC7A5	16	0.00067845	0.727763103	0.846800331
cg03553613	SLC7A5	16	0.00141039	0.47941151	0.579427882
cg12833872	SLC9A3	5	0.00158387	0.118806902	0.241103835
cg01346158	SLC9A3R2;SL	16	8.11E-05	0.610431742	0.86778112
cg08074555	SLC9A3R2;SL	16	0.00142049	0.144746759	0.285107987
cg03158310	SLC9A3R2;SL	16	0.0044276	0.248090042	0.375557568
cg22288315	SLC9A9	3	0.00119278	0.721296696	0.869999764
cg04558907	SLC9A9	3	0.01325223	0.593293568	0.713829141
cg17939401	SLCO3A1;SLC	15	0.00688243	0.254726893	0.404088926
cg12043732	SLCO4A1	20	0.00747899	0.256018145	0.368990307
cg26101428	SLCO6A1	5	0.00341374	0.742273588	0.847824789
cg05906024	SLIT3	5	0.000105	0.393600925	0.646161545
cg21953891	SLIT3	5	0.00019359	0.215566571	0.433636311
cg25984601	SLIT3	5	0.00023641	0.246872282	0.453990954
cg17229698	SLIT3	5	0.00155177	0.382087318	0.588361364
cg13008977	SLIT3	5	0.00138427	0.399370546	0.572869248
cg18364770	SLIT3	5	0.00032077	0.279385564	0.403014705
cg22631387	SLIT3	5	0.00198029	0.640457157	0.756821014
cg13908833	SLIT3	5	0.00055596	0.369123558	0.480991194
cg00002426	SLMAP	3	0.0024682	0.185679979	0.308884396
cg20623172	SLMO2	20	0.01938614	0.564560405	0.673011586
cg00718923	SMAD3;SMA	15	0.00668008	0.281059864	0.427904101
cg22589511	SMAD3;SMA	15	0.01628038	0.234374608	0.389411877
cg07033790	SMAD5;SMA	5	0.01887236	0.627567208	0.728720297
cg23172828	SMAD6;SMA	15	0.00334158	0.623468986	0.774956508
cg04093349	SMAD6;SMA	15	0.00397229	0.555551103	0.67956098
cg06103624	SMAD6;SMA	15	0.00109578	0.559666092	0.671554453
cg00350432	SMAD6;SMA	15	0.00701584	0.389486475	0.514238319
cg02184281	SMAD7	18	0.00117559	0.520490486	0.720056974
cg19430553	SMAD7	18	0.0189904	0.172292261	0.336593279
cg13398027	SMAD7	18	0.00046086	0.620504865	0.75274721

cg07661480	SMAD7	18	0.00019716	0.461289764	0.573514644
cg08151828	SMARCA4;SN	19	0.03050099	0.294498365	0.447307399
cg01634964	SMARCA4;SN	19	0.00240426	0.752719646	0.867838612
cg16249827	SMARCA4;SN	19	0.02782516	0.481414535	0.59568047
cg27385443	SMARCA4;SN	19	0.00104629	0.272537444	0.374267057
cg01982788	SMARCC2;SN	12	0.01239315	0.22011786	0.322198237
cg02596233	SMARCD3;SN	7	0.00127538	0.352541211	0.49989459
cg14636077	SMCR5;RAI1	17	0.00740761	0.46735882	0.621243162
cg08293097	SMCR5;RAI1	17	0.02764881	0.231163282	0.351747667
cg08593157	SMCR5;RAI1	17	0.02248911	0.118985885	0.229655358
cg06217803	SMO	7	0.01566012	0.267995705	0.374925217
cg02873263	SMOC1;SMO	14	0.00027345	0.479020938	0.63509031
cg18653027	SMOC1;SMO	14	0.01433397	0.496052417	0.622080026
cg23972474	SMOC1;SMO	14	0.00589897	0.165376685	0.280040972
cg22771904	SMOC2;SMO	6	0.00015614	0.226680799	0.567677957
cg10041417	SMOC2;SMO	6	0.00056222	0.264396316	0.505280902
cg24114708	SMOC2;SMO	6	0.00497473	0.383835251	0.579586229
cg04967737	SMOC2;SMO	6	0.00070365	0.428507635	0.623830776
cg17802216	SMOC2;SMO	6	0.00130505	0.552779478	0.742499317
cg09499136	SMOC2;SMO	6	0.00502422	0.374335799	0.559293413
cg25599473	SMOC2;SMO	6	0.00673317	0.205492896	0.385582295
cg21755672	SMOC2;SMO	6	0.00115558	0.573999737	0.750425251
cg02129017	SMOC2;SMO	6	0.00116369	0.603252079	0.748215723
cg13705956	SMOC2;SMO	6	0.01484987	0.468671791	0.605456781
cg08112248	SMOC2;SMO	6	0.00688243	0.450354299	0.586933685
cg19628299	SMOC2;SMO	6	0.01200475	0.202770254	0.336705007
cg15792134	SMOC2;SMO	6	0.03067027	0.178410613	0.311473523
cg15741247	SMOC2;SMO	6	0.00115558	0.595241334	0.727709314
cg04467832	SMOC2;SMO	6	0.00109596	0.36894589	0.500033002
cg22967008	SMOC2;SMO	6	0.01251815	0.585748489	0.715220529
cg14329365	SMOC2;SMO	6	0.00178594	0.344110254	0.473377283
cg12932102	SMOC2;SMO	6	0.02343795	0.211618772	0.338011556
cg26505935	SMOC2;SMO	6	0.01643891	0.518301902	0.642808068
cg07979566	SMOC2;SMO	6	0.03255108	0.611608048	0.725318562
cg03490766	SMOC2;SMO	6	0.00651901	0.556865218	0.665925849
cg02662873	SMOC2;SMO	6	0.00177914	0.6722876	0.778565384
cg01210622	SMPD3	16	0.01134181	0.340047135	0.501170778
cg27045405	SMPD3	16	0.00042742	0.594226729	0.728217659
cg00532477	SMPD4;SMPI	2	0.00941975	0.40025926	0.53256912
cg02973057	SMTN;SMTN	22	0.00137319	0.273110291	0.497111289
cg12461735	SMYD3;SMYI	1	0.00099099	0.321676359	0.547633815
cg22024479	SMYD3;SMYI	1	0.00295187	0.341790847	0.540218348
cg02415020	SMYD3;SMYI	1	0.00155823	0.450777892	0.608605671
cg18592195	SNAP47	1	0.0061499	0.259829635	0.425308062
cg05073044	SNAPC1	14	0.01046041	0.396979238	0.594956686
cg20643991	SNCAIP	5	0.01115471	0.290795383	0.447199826

cg11857142	SND1	7	0.00050994	0.226893962	0.400180153
cg00092551	SND1	7	0.00230751	0.187360307	0.354493108
cg22171145	SND1	7	0.00248357	0.235533967	0.397056741
cg14678084	SND1	7	0.02515556	0.097848372	0.254760245
cg25747190	SND1	7	0.0069746	0.290917383	0.414493109
cg00872676	SND1;MIR59	7	0.00112584	0.516343522	0.617545706
cg22635676	SNED1	2	0.00049134	0.180901939	0.391088743
cg23491743	SNED1	2	0.00874324	0.378739859	0.50149336
cg01121603	SNED1	2	0.01611597	0.570080739	0.685040152
cg25241559	SNED1	2	0.03496403	0.691581595	0.800062961
cg09197075	SNN	16	0.00064273	0.300029835	0.437293731
cg21393619	SNORA27;RP	13	0.04469567	0.109879892	0.248109591
cg17628540	SNORA27;SN	13	0.00887376	0.168762057	0.359502242
cg06023161	SNORA38;BA	6	0.00073105	0.573971742	0.686752354
cg23234674	SNORA74B;A	5	0.01201723	0.186885155	0.317856576
cg15889424	SNORA80;UR	21	0.00042068	0.399140614	0.574997608
cg09199848	SNORA80;UR	21	0.00324423	0.486918852	0.606693635
cg15075241	SNORA80B;C	2	0.0219062	0.569148935	0.721375473
cg27565803	SNORD103A;	1	0.00046135	0.221854066	0.419899696
cg24722354	SNORD103A;	1	0.01683384	0.497725753	0.673463815
cg00581541	SNORD103A;	1	0.00876577	0.626048923	0.794854189
cg18598146	SNORD12B;C	20	0.01243269	0.131169738	0.26010259
cg00098985	SNPH	20	0.00044333	0.22160753	0.357938192
cg13399741	SNPH	20	0.00074787	0.228515308	0.356188195
cg01111520	SNTA1	20	0.00025542	0.423211903	0.531752081
cg14992108	SNTB1	8	0.00144776	0.630529943	0.765135775
cg25352714	SNX1;SNX1;S	15	0.01666074	0.507420203	0.689739876
cg14556808	SNX19	11	0.00070994	0.614318097	0.800560958
cg08763673	SNX2	5	0.00367426	0.614572381	0.778830095
cg03512808	SNX29	16	0.01539972	0.476426768	0.598943503
cg08073667	SNX29	16	0.0089078	0.603082866	0.716303561
cg20286094	SNX7;SNX7	1	0.03696377	0.518693171	0.644864887
cg12205429	SNX8	7	0.01199453	0.118648586	0.26690995
cg13641082	SNX8	7	0.01866421	0.14356973	0.250500704
cg09672545	SNX9	6	0.00445701	0.551671837	0.718982606
cg14489081	SNX9	6	0.01590875	0.514074691	0.647777588
cg07944936	SOBP	6	0.00473569	0.11664512	0.254813549
cg00429523	SOBP	6	0.01745729	0.402411548	0.538468405
cg18948788	SOCS5;SOCS5	2	0.00814962	0.18452533	0.304277574
cg01123186	SOCS7	17	0.0180927	0.137237682	0.326235745
cg17217443	SOCS7	17	0.00684002	0.134550365	0.307227296
cg25449950	SOD3;SOD3	4	0.00144732	0.218652731	0.354743528
cg05679440	SOLH	16	9.39E-05	0.410039285	0.560184035
cg04076387	SOLH	16	0.00088042	0.511025335	0.64447988
cg05772850	SOLH	16	0.01592409	0.78135311	0.902250525
cg16622520	SORBS1;SORI	10	0.00099636	0.282168042	0.461592735

cg06282596	SORBS1;SORI	10	0.01813562	0.182515082	0.363047734
cg02370232	SORBS1;SORI	10	0.00909859	0.352412443	0.496235053
cg10741308	SORBS1;SORI	10	0.04960322	0.132848178	0.239024628
cg12197399	SORBS2	4	0.00267898	0.293957397	0.447198584
cg00028336	SORBS2	4	0.0224438	0.539289939	0.642158671
cg26583078	SORBS2;SORI	4	0.01797989	0.19637858	0.385805446
cg19216056	SORBS2;SORI	4	0.02561382	0.217130127	0.361113078
cg20761840	SORBS2;SORI	4	0.02441741	0.10480634	0.219348577
cg18515303	SORCS1;SORI	10	0.00136465	0.255544163	0.396918507
cg18803251	SORCS2	4	0.0120603	0.641621113	0.791915885
cg19593680	SORCS2	4	0.01467804	0.314891372	0.460980301
cg14180415	SORCS2	4	0.01522506	0.385207916	0.523032531
cg23649083	SORCS2	4	0.0002881	0.375378711	0.488465763
cg04733933	SORCS2	4	0.04763474	0.382119715	0.486109414
cg03729818	SORCS2	4	0.03059028	0.42741988	0.527588259
cg15989318	SORCS3	10	0.02097693	0.177584704	0.312574248
cg10107783	SORL1	11	0.01571263	0.372037982	0.50991198
cg01898628	SOST	17	0.01475387	0.332279676	0.480093143
cg10473369	SOX15	17	0.0010109	0.305600639	0.438264863
cg21334045	SOX5	12	0.01208271	0.479962975	0.636608025
cg06205574	SOX5;SOX5	12	0.00396543	0.432799394	0.679364131
cg06764736	SOX5;SOX5	12	0.0001951	0.658168937	0.860139196
cg08992854	SOX8	16	0.00018007	0.270285821	0.574012127
cg26716834	SOX8	16	0.00075349	0.63812178	0.793853722
cg06234051	SOX9	17	0.03770747	0.172735951	0.301672066
cg00414354	SP3;SP3	2	0.03224437	0.76357514	0.879924661
cg02927202	SP3;SP3	2	0.02093167	0.591055975	0.705679781
cg09439817	SP6;SP6	17	0.00044333	0.169961006	0.30752885
cg11927951	SPAG6;SPAG	10	0.02181817	0.700096378	0.811015239
cg23049758	SPAG9;SPAG	17	0.00862995	0.130844123	0.239342997
cg06571753	SPARC	5	0.0121202	0.339924209	0.484394511
cg27460824	SPATA13;SPA	13	0.00422896	0.232648517	0.46378016
cg25104266	SPATA13;SPA	13	0.04228545	0.49906826	0.634606056
cg01688202	SPATA2;SPA1	20	0.0026545	0.397665526	0.534183385
cg02128278	SPATA2L	16	0.00033877	0.234471338	0.390588139
cg02882004	SPATS2L;SPA	2	0.00055779	0.142233822	0.36888497
cg06905367	SPATS2L;SPA	2	0.02193425	0.211420892	0.362419295
cg14106933	SPATS2L;SPA	2	0.01758557	0.370066893	0.512233798
cg00556627	SPATS2L;SPA	2	0.03438126	0.640510692	0.776329606
cg15971761	SPEG	2	0.0163769	0.558406678	0.682149631
cg03030650	SPEG	2	0.02078577	0.34530058	0.46791838
cg13062137	SPEM1;NLGN	17	0.00389241	0.201574648	0.325435381
cg07180355	SPEN	1	0.00055717	0.523364806	0.629150656
cg15754752	SPG20	13	0.00115479	0.195082098	0.487545992
cg05635923	SPG20	13	0.00342359	0.304984916	0.58177421
cg00084432	SPG20	13	0.00828199	0.15680829	0.360754097

cg21484515	SPG20	13	0.00587084	0.159878487	0.348169886
cg21056788	SPG20	13	0.00237043	0.165256771	0.337469695
cg09410612	SPG20	13	0.0297894	0.267110173	0.370137686
cg01279418	SPG7	16	0.00259101	0.487261244	0.661736964
cg01730585	SPG7;SPG7	16	0.00046123	0.686027828	0.817114497
cg02207944	SPG7;SPG7	16	0.01815643	0.541978966	0.67131228
cg01539849	SPI1;SPI1	11	0.00478739	0.270032013	0.424668293
cg14074366	SPIN1	9	0.02803426	0.167235795	0.34145762
cg00401471	SPINT2;SPIN1	19	0.04742166	0.321415018	0.485951274
cg05604800	SPIRE2	16	0.00308298	0.498320144	0.613110698
cg20551922	SPNS3	17	9.65E-05	0.321094027	0.513803088
cg02065148	SPON2;SPON	4	0.01442432	0.452393491	0.561762778
cg01571977	SPPL2B;SPPL	19	0.00524631	0.27224638	0.385681708
cg22854448	SPRED2	2	0.00021343	0.360574515	0.625354133
cg08651590	SPRED2;SPRE	2	0.00027715	0.224093542	0.489486207
cg22369786	SPRY2	13	0.04626973	0.277831757	0.449002529
cg00185066	SPRY2	13	0.01877169	0.665925769	0.792497112
cg18607411	SPRY2	13	0.04940661	0.157540239	0.263910109
cg09256832	SPSB1	1	0.00892019	0.218363838	0.426593509
cg23632432	SPSB1	1	0.00029565	0.347171227	0.531309871
cg24597774	SPSB1	1	0.0160999	0.162089769	0.307868328
cg04778236	SPSB1	1	0.03513791	0.258902653	0.392559547
cg07852840	SPSB4	3	0.00341195	0.136396545	0.281332642
cg26348847	SPTB	14	0.00673448	0.190165023	0.29414995
cg23449231	SQSTM1;SQS	5	0.0041687	0.39381964	0.495550556
cg02531794	SRCRB4D;ZP3	7	0.01119163	0.319391933	0.471506501
cg23875758	SREBF1;SREB	17	0.01292091	0.173520786	0.333737387
cg11014073	SRGAP1	12	0.00095485	0.309418922	0.574424543
cg04938109	SRGAP1	12	0.00858634	0.422461782	0.596011029
cg17354987	SRGAP1	12	0.04450589	0.532254353	0.640076703
cg05811567	SRGAP2;SRG.	1	0.04439226	0.238576308	0.408150359
cg12587213	SRGAP2;SRG.	1	0.02149497	0.762498321	0.868896836
cg16781715	SRGAP3;SRG.	3	0.0122034	0.816198078	0.921721784
cg16645828	SRRT;SRRT;SI	7	0.00379262	0.69314035	0.796738194
cg06914270	SS18L1;GTPB	20	0.04045673	0.693962362	0.800489453
cg05905586	SSBP2	5	0.00350313	0.3315091	0.541318638
cg06988422	SSBP3;SSBP3	1	0.00151456	0.452518116	0.624892831
cg24878115	SSBP4;SSBP4	19	0.00308431	0.345464775	0.523692348
cg23544107	SSBP4;SSBP4	19	0.00028678	0.225758565	0.350131536
cg19589652	SSC5D	19	0.00042061	0.308880107	0.446534696
cg11383165	SSC5D	19	0.00151748	0.412328228	0.514484663
cg14338936	SSH2	17	0.01179833	0.342134677	0.526336041
cg06422039	SSTR5;LOC14	16	0.00140817	0.180974291	0.35057557
cg18312113	SSU72	1	0.0032518	0.540682106	0.676731722
cg09073059	SSU72	1	0.02459045	0.414916476	0.524434992
cg24991874	ST14	11	0.02326791	0.508684457	0.642102791

cg05284912	ST14	11	0.00815883	0.149514765	0.265801719
cg04273299	ST3GAL1;ST3	8	0.00790901	0.523751692	0.724515532
cg03965649	ST3GAL1;ST3	8	0.00155119	0.409310653	0.608084477
cg12831076	ST3GAL1;ST3	8	0.0135759	0.253762076	0.419792487
cg11015768	ST3GAL5	2	0.00041757	0.19150462	0.360229915
cg00249584	ST5;ST5;ST5	11	0.02085334	0.147540577	0.296204043
cg11020894	ST6GAL1;ST6	3	0.00393627	0.226863757	0.450947366
cg24528350	ST6GALNAC5	1	0.0160111	0.697914348	0.798013752
cg05720226	ST7;ST7;ST7C	7	0.00463688	0.430567672	0.575324208
cg25784872	STAG1	3	0.00474503	0.431203947	0.601022878
cg25038954	STARD10	11	0.00542238	0.325922598	0.445546892
cg03575969	STARD10	11	0.0012049	0.186668265	0.304778567
cg03906031	STARD10	11	0.00043674	0.598258228	0.714532997
cg13860360	STARD13	13	0.00145088	0.097032463	0.224468114
cg01146501	STARD4	5	0.04523924	0.313842931	0.462270443
cg12312086	STARD9	15	0.00047154	0.37659485	0.576689768
cg20173260	STAT1;STAT1	2	5.93E-05	0.237699174	0.54403177
cg14951497	STAT1;STAT1	2	0.0461491	0.446528449	0.583683225
cg12873903	STAT3;STAT3	17	0.00479249	0.168022897	0.288117497
cg19728382	STC2	5	0.00719438	0.24380866	0.366588483
cg07109745	STIM1	11	0.00955259	0.26091569	0.451252354
cg03534504	STK10	5	0.00147414	0.376449203	0.626922595
cg23423191	STK10	5	0.00033264	0.522281143	0.690021286
cg10564791	STK10	5	0.00078314	0.466181094	0.599876595
cg26006084	STK10	5	0.0108706	0.324722806	0.449109137
cg16311462	STK10	5	0.00662789	0.522244672	0.642870581
cg12708735	STK17A	7	0.02027555	0.744230762	0.883559997
cg05828520	STK19;DOM3	6	0.04401725	0.441405042	0.562492082
cg01883966	STK19;STK19	6	0.0019999	0.319856582	0.461971845
cg05626376	STK19;STK19	6	0.00043548	0.312688826	0.436388901
cg16711597	STK24	13	0.00017238	0.474733776	0.699890327
cg09110502	STK24	13	0.03343598	0.543885324	0.690304146
cg01442200	STK24;STK24	13	0.00034041	0.547911954	0.74195699
cg16924565	STK24;STK24	13	0.00229588	0.514772181	0.691749421
cg07340007	STK24;STK24	13	0.01502072	0.118453202	0.272415084
cg11966803	STK24;STK24	13	0.01048963	0.562496022	0.700565221
cg23724635	STK24;STK24	13	0.01220112	0.672790889	0.793485168
cg27447219	STK24;STK24	13	0.00207832	0.441364288	0.542957436
cg10533161	STK24;STK24	13	0.00063453	0.441770339	0.60818908
cg16033410	STK32C	10	0.00771385	0.488529616	0.623890951
cg18518262	STK32C	10	0.00339414	0.224959663	0.34199277
cg18527276	STK32C	10	0.0050864	0.726739036	0.836409587
cg22889514	STK33	11	0.04519761	0.733594147	0.835628973
cg13014866	STK38L	12	0.0232546	0.604402019	0.719953618
cg07992385	STK39	2	0.02650704	0.219545078	0.376673875
cg22585786	STK39	2	0.00377308	0.300717483	0.457797433

cg13431028	STK39	2	0.01285639	0.214234997	0.3680848
cg11775828	STK39	2	0.00341549	0.246221793	0.376870027
cg08262269	STK39	2	0.0233802	0.760016932	0.885476576
cg19848140	STK39	2	0.02580413	0.107379475	0.219916132
cg21899461	STK39	2	0.0029884	0.149101666	0.257033245
cg06631999	STMN1	1	0.00032562	0.402012721	0.609160813
cg21169762	STON2	14	0.00997837	0.227332318	0.3657015
cg26992150	STOX2	4	0.00697093	0.701923892	0.846762289
cg18628646	STOX2	4	0.04659857	0.158041218	0.266593523
cg13668495	STRBP;STRBP	9	0.02068933	0.505462115	0.651725009
cg27641801	STX18	4	0.00915753	0.510118572	0.67271995
cg27200466	STX19;ARL13	3	0.02578661	0.55022306	0.68975603
cg02068351	STX7	6	0.01060723	0.277440751	0.40078016
cg04225902	SUB1	5	0.01187959	0.609249069	0.737053254
cg03369906	SUFU	10	0.00506552	0.166320487	0.335527869
cg02662441	SUFU	10	0.00167974	0.717439825	0.845570985
cg10260044	SULF1;SULF1	8	0.00028216	0.221093149	0.469307448
cg01003859	SULT1C2;SUL	2	0.00287805	0.378688946	0.53843761
cg15469655	SUSD5	3	0.03140044	0.128630761	0.229721098
cg13508841	SVEP1	9	0.02904297	0.730767283	0.837549311
cg25426867	SVIL;MIR938	10	0.00519026	0.173215573	0.344232732
cg25334461	SVIL;SVIL	10	0.02452892	0.587680207	0.737911477
cg24726783	SVIL;SVIL	10	0.00026765	0.663408043	0.776252229
cg26508239	SVIL;SVIL	10	0.00196378	0.74360904	0.844811192
cg03108697	SWAP70	11	0.01412597	0.465369661	0.675738119
cg08010619	SWAP70	11	0.0018333	0.24952983	0.445347302
cg10023915	SWAP70	11	0.01433785	0.68194931	0.790933922
cg15173428	SYN3;SYN3;S	22	0.02260917	0.316362757	0.432446673
cg02836767	SYNE1;SYNE1	6	0.01623805	0.734854646	0.90661993
cg19987354	SYNE2;SYNE2	14	0.00144732	0.253157103	0.523360094
cg02886838	SYNE2;SYNE2	14	0.01322903	0.1611516	0.280778074
cg23250157	SYNE2;SYNE2	14	0.03644028	0.6827059	0.785889249
cg13057576	SYNE2;SYNE2	14	0.00907708	0.559364747	0.680670166
cg01340991	SYNGAP1	6	0.0042019	0.340090702	0.46507248
cg14533068	SYNJ2	6	0.0008752	0.304933922	0.472047576
cg05106892	SYNM;SYNM	15	0.00150873	0.23548128	0.383867304
cg05951351	SYNM;SYNM	15	0.00736292	0.540801485	0.666602055
cg01228193	SYNPO	5	0.00047393	0.23644281	0.469768981
cg26444282	SYNPO;SYNP	5	0.0022324	0.259967843	0.433065494
cg05714559	SYNPO;SYNP	5	0.00103787	0.269300114	0.43726381
cg06559925	SYNPO;SYNP	5	0.00031403	0.330214006	0.494419921
cg16440442	SYNPO;SYNP	5	0.04591323	0.245500763	0.354657281
cg27039501	SYNPO;SYNP	5	0.00020704	0.399326122	0.673630646
cg13991728	SYNPO;SYNP	5	0.00099798	0.212020713	0.457299256
cg01025434	SYNPO;SYNP	5	0.01765436	0.181568126	0.355845144
cg03634767	SYNPO;SYNP	5	0.00613784	0.49508466	0.650672591

cg18416096	SYNPO;SYNP	5	0.00011854	0.335615577	0.450720491
cg05697785	SYNPO2L	10	0.00208415	0.43976724	0.556045828
cg27550918	SYNPO2L;SYN	10	0.00454463	0.305960461	0.489032311
cg09575189	SYT8	11	0.00035911	0.450910551	0.598322651
cg24331162	SYT8	11	0.00042061	0.417239974	0.562249118
cg02294791	SYT8	11	9.46E-05	0.49855153	0.639320006
cg21544658	SYT8	11	0.00031253	0.480371299	0.61401323
cg12748890	SYTL1	1	0.01304418	0.141463547	0.282149299
cg03750567	SYTL1	1	0.00414726	0.278185877	0.395167557
cg11123303	TAAR2	6	0.02749525	0.42342394	0.573051642
cg11535638	TACC2;TACC:	10	0.01512538	0.523836173	0.668885756
cg02684964	TACR2	10	0.00464672	0.262201819	0.386200087
cg19160958	TADA2A;TAD	17	0.00804236	0.616809912	0.729180661
cg05595429	TAF1A;TAF1A	1	0.03380036	0.256648222	0.381981077
cg13257421	TAF1B	2	0.03482049	0.130610273	0.254268329
cg00473045	TAF2	8	0.00028199	0.162453137	0.413442271
cg18848959	TAF4	20	3.54E-05	0.196405916	0.377079772
cg14080585	TAF4	20	0.00120709	0.1965083	0.304671576
cg22778957	TAF4	20	0.00356043	0.171722142	0.279608722
cg08472449	TANC1;TANC	2	0.00577904	0.230962165	0.342892166
cg05269534	TANK	2	0.02123792	0.796428342	0.913770587
cg27447753	TANK;TANK	2	0.03543586	0.660598309	0.797147807
cg00002593	TAS1R3	1	0.01408931	0.319930507	0.468729925
cg22997768	TAS2R14;PRF	12	0.00516541	0.746526322	0.864065076
cg22505295	TAS2R31;PRF	12	0.01890206	0.610309822	0.73893656
cg23146713	TAS2R31;TAS	12	0.00679871	0.721807104	0.828221774
cg10117400	TBC1D14;TBC	4	0.00632323	0.127017879	0.265302133
cg16461139	TBC1D16	17	0.00109553	0.407850907	0.642688983
cg17295878	TBC1D16	17	0.0010955	0.261806626	0.460072285
cg11864201	TBC1D16	17	0.01542142	0.224966335	0.422652116
cg23651872	TBC1D16	17	0.01606936	0.285315866	0.475977366
cg12314682	TBC1D16	17	0.00036678	0.238697188	0.412455072
cg13466546	TBC1D16	17	0.00116358	0.200135855	0.370704848
cg21048763	TBC1D16	17	0.04142467	0.209644171	0.369148119
cg19004465	TBC1D16	17	0.01461041	0.203597517	0.362184355
cg03582371	TBC1D16	17	0.00037711	0.366863056	0.525331629
cg06856735	TBC1D16	17	0.00175815	0.315013144	0.466145003
cg09780394	TBC1D16	17	0.00686451	0.59820865	0.740064121
cg26379012	TBC1D16	17	0.00050994	0.548651036	0.681806692
cg26940676	TBC1D16	17	0.00075667	0.653552006	0.782185786
cg09675820	TBC1D16	17	0.00189356	0.320345908	0.447613367
cg24805759	TBC1D16	17	0.00328466	0.152723279	0.272570254
cg25532627	TBC1D16	17	0.00043556	0.387539313	0.505481542
cg12700039	TBC1D16	17	0.01942437	0.173058144	0.289672322
cg17854297	TBC1D16	17	0.00126685	0.57771995	0.689434639
cg00314994	TBC1D16	17	0.00509388	0.572214447	0.676496429

cg10188797	TBC1D16	17	0.03849755	0.158100274	0.259240387
cg07397612	TBC1D22A	22	0.00021379	0.269968795	0.605142917
cg00472758	TBC1D24	16	0.00714936	0.416909596	0.517618916
cg09692364	TBC1D4	13	0.00034186	0.361005265	0.616858207
cg12594615	TBC1D8	2	0.00686063	0.382906877	0.511160665
cg01132502	TBC1D9B;TB(	5	0.00280453	0.343990197	0.462178699
cg17662369	TBC1D9B;TB(	5	0.00214742	0.216105089	0.332419356
cg01771850	TBCD	17	0.00082811	0.150904361	0.387629793
cg05398905	TBCD	17	0.00078986	0.163258083	0.347576965
cg03535099	TBCD	17	0.00049071	0.469684489	0.647479142
cg02768197	TBCD	17	0.00501386	0.447310245	0.616671646
cg08811443	TBCD	17	0.00884201	0.718070983	0.87369489
cg00830755	TBCD	17	0.02752534	0.537977096	0.693211086
cg11142556	TBCD	17	0.02054094	0.47975165	0.624484418
cg26558799	TBCD	17	0.04120014	0.256437156	0.397217597
cg10310700	TBCD	17	0.0012069	0.267912463	0.378675612
cg05525798	TBCD	17	0.0009537	0.733432581	0.843683205
cg01441018	TBCD	17	0.00747078	0.485259565	0.592255146
cg25399461	TBCD	17	0.00658688	0.172006283	0.273809981
cg17658638	TBCD	17	0.00451924	0.733137623	0.834852093
cg21657704	TBCD	17	0.00036376	0.54736879	0.649029656
cg02395171	TBCD	17	0.04708704	0.294093122	0.394703698
cg25055744	TBCD;ZNF75(	17	0.0039112	0.448428318	0.642073306
cg04216936	TBCK;TBCK;T	4	0.02396641	0.566704934	0.690035139
cg09771226	TBKBP1	17	0.00033544	0.17164358	0.350162666
cg08452456	TBKBP1	17	0.00048831	0.240253906	0.409470663
cg19784903	TBKBP1	17	0.00131124	0.176292785	0.30082625
cg21339170	TBL1XR1	3	0.0467485	0.687672205	0.791684658
cg23530707	TBL2	7	0.01004672	0.242862227	0.367251083
cg03656099	TBX2	17	0.00118547	0.247628588	0.415180234
cg12999453	TBX2	17	0.00769519	0.377710522	0.479456339
cg09053536	TBX3;TBX3	12	0.00782451	0.571064109	0.780710398
cg13030332	TBX3;TBX3	12	0.00411974	0.640767014	0.820793179
cg11246938	TBX3;TBX3	12	0.02665429	0.500567575	0.654702222
cg09413529	TBX3;TBX3	12	0.02033504	0.418648478	0.532814077
cg05555207	TBX5;TBX5	12	0.02415743	0.215522104	0.417329936
cg06434709	TBXA2R;TBX/	19	0.01021423	0.700167882	0.812152877
cg26407309	TBXAS1;HIPK	7	0.00154138	0.539106084	0.67754074
cg13823415	TBXAS1;TBX/	7	0.00451873	0.630409467	0.800533829
cg23759823	TBXAS1;TBX/	7	0.00831294	0.44644195	0.619704886
cg06462921	TBXAS1;TBX/	7	0.00194088	0.419855318	0.588056521
cg09697084	TBXAS1;TBX/	7	0.04976881	0.624726715	0.726740699
cg24348495	TCEA2;TCEA2	20	0.00384181	0.25260479	0.4093725
cg03044302	TCEA2;TCEA2	20	0.00037532	0.672070983	0.807419624
cg03946671	TCEA2;TCEA2	20	0.00049054	0.159798688	0.291915609
cg12176783	TCEA2;TCEA2	20	0.00870318	0.114410772	0.23591713

cg04956806	TCEA2;TCEA2	20	0.00696225	0.436413664	0.539905956
cg12452800	TCERG1L	10	0.00565402	0.340957582	0.488844821
cg01778974	TCF12;TCF12	15	0.01345892	0.805340431	0.919977625
cg20217307	TCF19;TCF19	6	0.00303241	0.659112582	0.811592918
cg03303475	TCF19;TCF19	6	0.01847637	0.42543149	0.530880057
cg20347648	TCF19;TCF19	6	0.00720342	0.783999865	0.886654683
cg14641600	TCF7;TCF7;TC	5	0.00033491	0.617903219	0.718981426
cg22207584	TCF7L1	2	0.01022815	0.429372014	0.545778843
cg04743859	TCIRG1;TCIRG	11	0.00842387	0.304617587	0.420537563
cg22128896	TCP11L1;TCP	11	0.01118456	0.506571833	0.618865083
cg25878366	TEAD1	11	0.00108372	0.33306695	0.582531653
cg15722533	TEAD1	11	0.00991328	0.383080226	0.553925497
cg18555698	TEAD1	11	0.01840259	0.391799612	0.551038525
cg27240158	TEAD1	11	0.03591496	0.40106208	0.529043913
cg01039401	TEAD4;TEAD4	12	0.04737371	0.426026478	0.53975212
cg24902858	TECTA	11	0.00262612	0.398621088	0.552218015
cg15331500	TEF;TEF	22	0.00694443	0.187589518	0.303734523
cg01709846	TEKT5	16	0.01548448	0.362397673	0.495095832
cg04517903	TELO2	16	0.0023765	0.665265797	0.773280691
cg04402122	TELO2	16	0.00513728	0.258776467	0.364787692
cg00776080	TENC1;TENC1	12	0.01199887	0.246171898	0.349354093
cg16705419	TENC1;TENC1	12	0.00020418	0.472931567	0.590192963
cg04370442	TEPP;TEPP	16	8.27E-05	0.267302312	0.457006901
cg15032025	TERT;TERT	5	0.02563497	0.721424542	0.823304092
cg01093854	TET1	10	0.00064112	0.339529072	0.607155285
cg01355757	TET3	2	0.00046135	0.549107958	0.690146667
cg14962509	TFAP2E	1	0.00395367	0.301424067	0.441026867
cg07296855	TFDP1;TFDP1	13	0.00371089	0.660180412	0.797962161
cg21082644	TFDP1;TFDP1	13	0.00372642	0.515448658	0.647014058
cg18335233	TG	8	0.01476941	0.407092578	0.565987368
cg11155356	TG;SLA;SLA;S	8	0.00112537	0.409065484	0.610143739
cg06270049	TGFBR2;TGFB	3	0.01419916	0.242572419	0.448908992
cg05450916	TGFBR2;TGFB	3	0.006898	0.369346693	0.557722981
cg24719910	TGFBR2;TGFB	3	0.01403189	0.404567914	0.565558413
cg21814995	TGFBR2;TGFB	3	0.04987898	0.408345339	0.568127467
cg06784602	TGFBR2;TGFB	3	0.02097693	0.118257848	0.255372266
cg03630790	TGFBR2;TGFB	3	0.0159821	0.54597918	0.682959431
cg12761282	TGM3	20	0.02785793	0.39472094	0.52030998
cg06678594	THADA;THAL	2	0.04208809	0.498996804	0.635518471
cg19211851	THADA;THAL	2	0.0483315	0.16191873	0.276960655
cg21679402	THAP4	2	0.02800427	0.606740585	0.74210933
cg18234606	THBS1	15	0.00454312	0.27362529	0.477096477
cg00836101	THBS1	15	0.04192054	0.24895026	0.427566287
cg14627862	THBS2	6	0.00139535	0.357968397	0.584558911
cg16805094	THBS2	6	0.00105217	0.308705317	0.456612721
cg24391982	THBS2	6	0.00059442	0.2253911	0.340786731

cg22636631	THBS4	5	0.02671115	0.67910797	0.787890671
cg09033577	THNSL2	2	0.0114812	0.675097597	0.790288162
cg24462200	THOP1	19	0.00423044	0.717478464	0.849545887
cg19919217	THRA	17	0.02012252	0.182023014	0.316146323
cg02030908	THRA;NR1D1	17	0.00222748	0.308493937	0.451148114
cg14829516	THRA;NR1D1	17	0.03565601	0.141355716	0.255829728
cg01341751	THRA;NR1D1	17	0.00656912	0.278434314	0.391456279
cg03724728	THRA;THRA	17	0.00341742	0.327248766	0.503426588
cg01190276	THRB;THRB;T	3	0.00379557	0.418112503	0.583866413
cg21864730	THRSP	11	0.00028199	0.288607839	0.498844766
cg16505204	THRSP	11	0.0026907	0.133280685	0.329218072
cg26817145	THSD4	15	0.04810873	0.364871195	0.481953386
cg13726166	TIAF1;MYO18	17	0.00514669	0.260847115	0.414233476
cg17730176	TIAF1;MYO18	17	0.00257034	0.439002327	0.590358069
cg06694381	TIAM2;TIAM2	6	0.0045515	0.433226416	0.624134019
cg18132964	TIAM2;TIAM2	6	0.00411751	0.216565412	0.34997612
cg04228709	TIAM2;TIAM2	6	0.0369986	0.461847784	0.588361427
cg26934881	TIAM2;TIAM2	6	0.00800911	0.694889158	0.797527936
cg21539594	TIE1	1	0.00272127	0.422626164	0.58321666
cg26195652	TIE1	1	0.01270728	0.528939862	0.678209926
cg15106744	TIPARP	3	0.02510241	0.402360918	0.573483061
cg06263077	TIRAP;TIRAP	11	0.00200804	0.716000125	0.821549041
cg07230792	TJAP1;TJAP1;	6	0.00019359	0.388994773	0.565640699
cg11553755	TJAP1;TJAP1;	6	0.00037844	0.522001676	0.658211121
cg12427941	TJAP1;TJAP1;	6	0.00133684	0.307294957	0.435179377
cg25069807	TK1	17	0.00021784	0.538834102	0.726148339
cg06098276	TK1	17	0.00401153	0.402853431	0.538705043
cg03702413	TLCD1;TLCD1	17	0.00154461	0.277319107	0.435417054
cg14199629	TLE1	9	0.00452044	0.329701782	0.527306667
cg14545418	TLE1	9	0.01393988	0.478994096	0.598029796
cg08025415	TLE2	19	0.01640518	0.257856325	0.409274869
cg24772525	TLK1;TLK1	2	0.01686295	0.649016825	0.797678051
cg26227310	TLX1NB	10	0.00590464	0.307229593	0.411022206
cg06800962	TM4SF1	3	0.0237442	0.204070344	0.307460773
cg11568379	TM4SF4	3	0.02288285	0.428046095	0.589418094
cg08378932	TM4SF4	3	0.03379374	0.160352796	0.283470987
cg12874219	TM4SF4	3	0.00781604	0.739868301	0.845698414
cg02898977	TM9SF1;TM9	14	0.03108577	0.633659714	0.876115439
cg23281555	TM9SF3	10	0.02671736	0.236616942	0.378632355
cg05679002	TMCC1;TMCC	3	0.02396602	0.263527681	0.419961621
cg23167246	TMCO3	13	0.009436	0.181620601	0.332173292
cg14534144	TMCO3	13	0.01542791	0.14637712	0.294055224
cg24121069	TMCO3	13	0.00445921	0.210896471	0.358550544
cg01383440	TMCO3	13	0.00391879	0.78611293	0.897638325
cg11312353	TMCO3	13	0.02502695	0.245482701	0.351660235
cg14220777	TMCO4	1	0.00262805	0.119006901	0.249078705

cg22355895	TMED5;TMEI	1	0.00269767	0.484874092	0.657102504
cg02768480	TMEM100	17	0.0137312	0.219101534	0.346933081
cg10976623	TMEM100;TI	17	0.01735712	0.467497507	0.625849515
cg19134130	TMEM104	17	0.0474703	0.57274533	0.680549971
cg11758345	TMEM105	17	0.0003561	0.541132156	0.70493466
cg21735384	TMEM105	17	0.00048323	0.408089405	0.547853618
cg03841376	TMEM105	17	0.0034387	0.319918701	0.456972354
cg22532155	TMEM105	17	0.00063366	0.464384098	0.59540524
cg09695261	TMEM105	17	0.00126315	0.491938055	0.61657716
cg21591452	TMEM105	17	0.00140974	0.378224016	0.502706722
cg06727703	TMEM105	17	0.00479817	0.341323935	0.441697189
cg04865290	TMEM110	3	0.04889067	0.117298877	0.22178365
cg06406157	TMEM132A;T	11	0.00516027	0.256065492	0.391295004
cg06630988	TMEM132B	12	0.01280327	0.335374561	0.469599432
cg15936861	TMEM132D	12	0.03799239	0.24554145	0.370817188
cg15012282	TMEM14E;M	3	0.04289737	0.649131215	0.754299747
cg07803856	TMEM158	3	0.00491859	0.457202458	0.560992733
cg00584026	TMEM175	4	0.00916622	0.269573959	0.437998095
cg03424213	TMEM175	4	0.00292054	0.65182645	0.783316843
cg01581326	TMEM181	6	0.00287548	0.12063532	0.323640846
cg12989041	TMEM181	6	0.00065412	0.66520459	0.814671054
cg18201505	TMEM181	6	3.77E-05	0.169267848	0.270892857
cg18648645	TMEM184A	7	0.00823479	0.739730316	0.881409524
cg06693983	TMEM190	19	0.01159882	0.121514653	0.236016615
cg18172186	TMEM200A;T	6	0.00388699	0.470661945	0.647399089
cg03890628	TMEM201	1	0.00650203	0.250596753	0.453506122
cg22334684	TMEM201	1	0.01718475	0.452744763	0.556326348
cg15685988	TMEM201;TI	1	0.00052332	0.645796787	0.791446514
cg05373161	TMEM231;TI	16	0.03026486	0.15923581	0.283137242
cg26618874	TMEM231;TI	16	0.0102672	0.131411922	0.239003331
cg15891218	TMEM30B;TI	14	0.01418892	0.154081355	0.255137235
cg00175735	TMEM30C;TI	3	0.01356927	0.247328475	0.477772932
cg18811916	TMEM33	4	0.00969085	0.615404021	0.751057051
cg13075537	TMEM57	1	0.00152622	0.166351848	0.320444082
cg07192718	TMEM61	1	0.00324876	0.294397282	0.445641904
cg21191255	TMEM80;TM	11	0.00182699	0.151992591	0.259993806
cg12703825	TMEM82	1	0.00166587	0.255098835	0.402491131
cg17977470	TMEM88	17	0.00028678	0.236153474	0.417186202
cg14068176	TMEM8B;TM	9	0.00444351	0.68711636	0.802793886
cg01263574	TMEM8C	9	0.00384234	0.13458456	0.267919327
cg25460340	TMPRSS5	11	0.00084896	0.489867769	0.656499525
cg23871994	TMPRSS5	11	0.00037173	0.372161422	0.525076761
cg15844374	TMPRSS5	11	0.00283619	0.262979846	0.40143498
cg18165914	TMPRSS5	11	0.00575903	0.221021655	0.35002253
cg05183271	TMPRSS5	11	0.00741361	0.193786579	0.320277838
cg23033870	TMPRSS5	11	0.00015619	0.196777161	0.303557507

cg18927181	TMTC1	12	0.00117522	0.244476033	0.532926317
cg06733903	TMTC1	12	0.02007157	0.181457596	0.319886342
cg01401465	TMTC1	12	0.02754921	0.616386515	0.748061027
cg03191794	TMTC2	12	0.00210529	0.4928654	0.686588236
cg18620571	TNFAIP2	14	0.00274006	0.203697211	0.387941604
cg10501093	TNFAIP2	14	0.00267351	0.200173558	0.375953528
cg18587137	TNFAIP2	14	0.00201716	0.249201452	0.401625523
cg08301307	TNFAIP2	14	0.00146084	0.541533555	0.683442744
cg07086380	TNFAIP8;TNF	5	0.02323426	0.28405353	0.477053296
cg14918744	TNFRSF10D	8	0.03131278	0.379883888	0.513968599
cg02134720	TNFRSF11B	8	0.02754411	0.152929776	0.312546149
cg26391891	TNFRSF1A	12	0.00378841	0.431908834	0.537123156
cg11665613	TNFRSF1B	1	0.00082202	0.218616624	0.422480164
cg22227034	TNFRSF1B	1	0.00741283	0.73084698	0.839876546
cg26691200	TNFRSF8	1	9.51E-05	0.463291727	0.660812983
cg00569500	TNFRSF8	1	0.00584735	0.133714933	0.28678742
cg08547922	TNFRSF8	1	0.01546304	0.143530675	0.289671002
cg15690400	TNFRSF8;TNF	1	0.01225889	0.3768961	0.57647079
cg00463840	TNFRSF8;TNF	1	0.00776571	0.215695866	0.357124644
cg18152455	TNFRSF8;TNF	1	0.0155826	0.496352396	0.618287627
cg07499259	TNFRSF8;TNF	1	0.01284951	0.384431422	0.499596345
cg10425291	TNFRSF8;TNF	1	0.00060096	0.628709303	0.73664469
cg08269671	TNFSF11;TNF	13	0.03317083	0.804044422	0.904810293
cg17267493	TNFSF12;TNF	17	0.00138644	0.529428021	0.662120952
cg23321140	TNIP1	5	0.01050581	0.131422757	0.281926639
cg09813400	TNIP1	5	0.00030136	0.442379568	0.553920482
cg25737411	TNK1	17	0.02955222	0.471937009	0.580616793
cg08048178	TNK2;TNK2	3	0.00037177	0.582581822	0.871444513
cg08767936	TNK2;TNK2	3	0.00012823	0.324582339	0.603248742
cg21553700	TNK2;TNK2	3	0.00114074	0.579807153	0.786879118
cg20092936	TNK2;TNK2	3	0.00283871	0.53389023	0.707447353
cg00190795	TNK2;TNK2	3	0.00202728	0.253918814	0.399865168
cg01006102	TNK2;TNK2	3	0.00792961	0.2240614	0.342786916
cg10843210	TNK2;TNK2	3	0.04374853	0.440758428	0.547380579
cg27024515	TNNC1;NISCH	3	0.02603654	0.515029495	0.657339349
cg15662902	TNNI2;TNNI2	11	0.00445792	0.547234041	0.652939293
cg19233001	TNNT2;TNNT	1	0.00131801	0.387433228	0.497887168
cg01821149	TNNT3;TNNT	11	0.0341447	0.34392649	0.456437825
cg18314765	TNP1	2	0.00322533	0.40352035	0.640654851
cg20310485	TNP1	2	0.01855725	0.322122027	0.509443416
cg19384546	TNP1	2	0.01651706	0.277748605	0.417092899
cg02011723	TNPO2;TNPC	19	0.00224433	0.168498834	0.290303877
cg06947694	TNRC18	7	0.00029882	0.492466446	0.687477564
cg00795125	TNRC18	7	0.003901	0.483271071	0.667232895
cg14517056	TNRC18	7	0.00684618	0.580364594	0.750679456
cg20025824	TNRC18	7	0.00577668	0.54022627	0.678562717

cg23058673	TNRC18	7	0.0030844	0.335004616	0.462127822
cg10327399	TNRC18	7	0.00262542	0.537928827	0.661214572
cg12845678	TNRC18	7	0.0002104	0.669949382	0.778982735
cg09518219	TNRC18	7	0.00637228	0.612635439	0.721201732
cg06420129	TNRC6A	16	0.0008433	0.274398938	0.439952085
cg09029192	TNRC6C;TNR	17	0.00057456	0.517986354	0.642363912
cg12731010	TNS1	2	0.01409581	0.309141458	0.459838311
cg12681370	TNS1	2	0.0001554	0.191699021	0.312713301
cg03958512	TNS3	7	6.44E-05	0.465924945	0.755704195
cg27275374	TNS3	7	0.00679871	0.344466675	0.528450209
cg12292947	TNS3	7	0.00023272	0.214253249	0.398000057
cg14410503	TNS3	7	0.00096693	0.211717951	0.395173124
cg20782724	TNS3	7	0.00052049	0.59463992	0.750711878
cg00830492	TNS3	7	0.01499883	0.130821294	0.275098864
cg13800949	TNS3	7	0.00160485	0.280794168	0.424897152
cg27525731	TNS3	7	0.00088441	0.376671727	0.511015736
cg06871974	TNS3	7	0.03422182	0.43973621	0.56095794
cg23694490	TNS3	7	0.01236446	0.122707952	0.240460596
cg04757901	TNXB	6	0.00476641	0.283491118	0.532099749
cg14924781	TNXB	6	0.01664988	0.353944798	0.572932091
cg25854703	TNXB	6	0.00173253	0.491910568	0.702559644
cg20407792	TNXB	6	0.00290729	0.143993307	0.348971427
cg02151997	TNXB	6	0.01437084	0.386892283	0.58592138
cg16834823	TNXB	6	0.00365643	0.307036037	0.496020736
cg10365886	TNXB	6	0.01185514	0.448738087	0.633069775
cg17806717	TNXB	6	0.02934609	0.333526682	0.499225378
cg14669361	TNXB	6	0.00214327	0.166977744	0.330319217
cg23186098	TNXB	6	0.00498538	0.26401883	0.425863589
cg12694372	TNXB	6	0.03242895	0.368891572	0.529327326
cg16318036	TNXB	6	0.00556595	0.379944722	0.539920454
cg03822479	TNXB	6	0.0025767	0.574622608	0.733467212
cg13798746	TNXB	6	0.0032053	0.14806936	0.305676253
cg19609334	TNXB	6	0.0006885	0.449857261	0.607346667
cg00979704	TNXB	6	0.00292525	0.132869852	0.28782892
cg14188106	TNXB	6	0.01335501	0.33060625	0.483036132
cg14196170	TNXB	6	0.00280651	0.366709841	0.519021424
cg15196197	TNXB	6	0.00993519	0.233432529	0.381009228
cg01992382	TNXB	6	0.01612065	0.237615198	0.383528158
cg25772658	TNXB	6	0.0154911	0.358284353	0.500987456
cg10923662	TNXB	6	0.02172721	0.243761244	0.385940671
cg04389484	TNXB	6	0.01305743	0.624247432	0.755809257
cg15745284	TNXB	6	0.00408683	0.525850781	0.657038399
cg24882324	TNXB	6	0.02037755	0.324682552	0.455550553
cg08650890	TNXB	6	0.01497747	0.371164838	0.497236032
cg01485117	TNXB	6	0.01592034	0.286293576	0.40941699
cg08660959	TNXB	6	0.01810467	0.245892939	0.368699234

cg07485305	TNXB	6	0.02949675	0.121733679	0.239697995
cg26266427	TNXB	6	0.01771533	0.380230435	0.497718414
cg19267551	TNXB	6	0.02517392	0.326541554	0.443051698
cg02133510	TNXB	6	0.01021957	0.147973125	0.261930665
cg03130418	TNXB	6	0.01432868	0.337493104	0.451118348
cg19736604	TNXB	6	0.00538325	0.70249256	0.816028143
cg22402769	TNXB	6	0.0030062	0.764744922	0.878045837
cg17031787	TNXB	6	0.00261962	0.228046634	0.341297307
cg02989255	TNXB	6	0.0099408	0.325802031	0.438352945
cg00617292	TNXB	6	0.01619517	0.123736238	0.235015988
cg21642103	TNXB	6	0.00682821	0.281059202	0.392161601
cg20113726	TNXB	6	0.01102386	0.64856288	0.758989324
cg27073361	TNXB	6	0.01828816	0.094200084	0.203192278
cg11289677	TNXB	6	0.03074873	0.218149376	0.326445955
cg23145336	TNXB	6	0.01586899	0.090644553	0.198532523
cg25596754	TNXB	6	0.0297948	0.109077439	0.216709481
cg24506088	TNXB	6	0.00596341	0.66309854	0.768715144
cg13698691	TNXB	6	0.0273597	0.269687918	0.375190399
cg23462632	TNXB	6	0.00357929	0.182924432	0.286167937
cg21042276	TNXB	6	0.00283871	0.137768099	0.239760859
cg23994443	TNXB	6	0.02924174	0.45864692	0.559838149
cg21951797	TNXB	6	0.0349496	0.135965342	0.237028177
cg24884217	TNXB	6	0.01899352	0.105670953	0.206205399
cg01337207	TNXB	6	0.03873731	0.3911766	0.491483214
cg13739666	TNXB;TNXB	6	0.00015801	0.343786063	0.485138466
cg26537323	TNXB;TNXB	6	0.00069753	0.283129207	0.418701835
cg22050611	TOLLIP	11	0.000105	0.298141552	0.539100282
cg03466237	TOLLIP	11	0.00729124	0.42745092	0.642619094
cg05311626	TOLLIP	11	0.00068807	0.146521947	0.357966826
cg24186398	TOLLIP	11	0.00231134	0.438522778	0.643897079
cg03044471	TOLLIP	11	0.00056439	0.313786907	0.472531858
cg17092096	TOLLIP	11	0.00090657	0.287344404	0.435915714
cg10696445	TOLLIP	11	0.00152622	0.273148089	0.410017182
cg23178186	TOLLIP	11	0.01789413	0.598546133	0.730821475
cg23041020	TOLLIP	11	0.01050581	0.344094422	0.4746521
cg12601909	TOLLIP	11	0.00057818	0.628497541	0.751363412
cg26779330	TOLLIP	11	0.00742514	0.29168438	0.40819206
cg13843417	TOLLIP	11	0.04947586	0.524861861	0.63915058
cg24874557	TOLLIP	11	0.00309783	0.658976489	0.772169004
cg27232494	TOM1L2;TOM	17	0.01049394	0.273693408	0.396623428
cg11841863	TOP2B	3	0.01041379	0.716356746	0.86476483
cg06832551	TOR1AIP1	1	0.01005565	0.743163834	0.850403926
cg17591574	TOR3A	1	0.00377864	0.184204009	0.380569069
cg08432383	TP53AIP1	11	0.03619402	0.184054312	0.294507345
cg04498198	TP53I13	17	0.01485553	0.19497461	0.323692488
cg05877788	TP53I13	17	0.00093748	0.154443824	0.273360449

cg20598650	TP53RK;SLC1	20	0.01987578	0.211248868	0.365620982
cg03760518	TP73;TP73;TI	1	0.00212315	0.301418467	0.408309253
cg10256045	TPCN2	11	0.00054953	0.203413101	0.464924881
cg18053228	TPCN2	11	0.00381231	0.135850252	0.30431822
cg08847919	TPCN2	11	0.00089041	0.501388043	0.667111444
cg06624991	TPCN2	11	0.00427162	0.634276236	0.755603307
cg08192033	TPD52L1;TPC	6	0.02749086	0.237693958	0.382907403
cg02807882	TPD52L1;TPC	6	0.01929151	0.215925896	0.348268445
cg22546122	TPM4	19	0.00350029	0.136477894	0.276408696
cg27174787	TPM4	19	0.00437502	0.166207474	0.298807975
cg17518079	TPO;TPO;TPC	2	0.01963377	0.508059558	0.614667853
cg01950495	TPPP	5	0.00052921	0.262336418	0.444243292
cg18389810	TPPP2	14	0.00329335	0.197149607	0.346670667
cg05416180	TPRG1	3	0.02078415	0.137309965	0.257890914
cg04108240	TRA2A	7	0.04402539	0.582755825	0.685061136
cg22804499	TRA2B	3	0.01697425	0.639760062	0.74458321
cg13597809	TRAF2	9	0.00037532	0.316822065	0.47098739
cg00827663	TRAF2	9	0.00758387	0.653254828	0.788875706
cg04987122	TRAF7	16	0.00106511	0.290539913	0.415854413
cg01636300	TRAF7	16	0.00328249	0.781330287	0.888422501
cg18372196	TRAM2	6	0.0077052	0.363758937	0.526407917
cg11723904	TRAP1	16	0.00922791	0.48950091	0.665856526
cg20946943	TRAPPC9;TR/	8	0.00457044	0.330391494	0.543353296
cg18219994	TRAPPC9;TR/	8	0.00042158	0.405553415	0.58676891
cg03282105	TRAPPC9;TR/	8	0.00017629	0.283859537	0.449459523
cg02528189	TRAPPC9;TR/	8	0.0017987	0.317925132	0.453141936
cg17290943	TRAPPC9;TR/	8	0.004603	0.585834753	0.717137437
cg08504029	TRAPPC9;TR/	8	0.00584864	0.358231807	0.489109273
cg24317069	TRAPPC9;TR/	8	0.00066001	0.650384711	0.763298095
cg24388061	TRAPPC9;TR/	8	0.03392751	0.232058987	0.343975697
cg27572854	TRAT1	3	0.00017144	0.68222001	0.843475576
cg05583014	TREX1;TREX1	3	0.00053721	0.443583594	0.603682236
cg21217577	TRH	3	0.00427832	0.139767888	0.265803477
cg14023589	TRHDE	12	0.01979016	0.695705949	0.823343254
cg08322448	TRIM2;TRIM/	4	0.00153125	0.575346317	0.738733504
cg05850884	TRIM26	6	0.02567467	0.279701376	0.381532547
cg12600843	TRIM26	6	0.01448667	0.520761641	0.621725346
cg18907454	TRIM27	6	0.00295288	0.679842928	0.795304098
cg27351624	TRIM31	6	0.00147368	0.478338082	0.658087113
cg00787996	TRIM31	6	0.00269957	0.545665808	0.696677444
cg22262055	TRIM38	6	0.01439279	0.462141461	0.618100183
cg05832509	TRIM4;TRIM/	7	0.04352763	0.174797978	0.276670348
cg00059643	TRIM41;TRIN	5	0.00275397	0.338881582	0.44992944
cg20908326	TRIM44	11	0.00233006	0.745507458	0.845806115
cg20302637	TRIM46;KRTC	1	0.02958757	0.324875252	0.432983125
cg12077698	TRIM62	1	0.00015133	0.376184661	0.633504637

cg03306027	TRIM62	1	0.00058876	0.23283031	0.369280168
cg26780705	TRIM65	17	0.00168317	0.16597027	0.284095679
cg10927422	TRIM65	17	0.00508947	0.597643514	0.700341329
cg00608540	TRIM7;TRIM7	5	8.11E-05	0.364576443	0.505040714
cg23367683	TRIM7;TRIM7	5	0.01234666	0.524435841	0.652392825
cg17279652	TRIM7;TRIM7	5	0.0019814	0.662178163	0.762475058
cg06379532	TRIM71	3	0.00466328	0.327691381	0.499223694
cg16550500	TRIM9;TRIM9	14	0.01417898	0.791488693	0.902269719
cg10179300	TRIO	5	0.00070692	0.577730872	0.766365089
cg10999410	TRIO	5	0.00012533	0.664043705	0.767500957
cg09258877	TRIP12	2	0.02217629	0.280384874	0.457355667
cg00255699	TRIT1	1	0.02156655	0.444696276	0.565031115
cg22126499	TRMT2A;TRM	22	0.000652	0.322856813	0.461670716
cg01852238	TRPC4AP;TRP	20	0.00463909	0.442461103	0.625745495
cg00530568	TRPC7;TRPC7	5	0.00259294	0.387571658	0.574274367
cg18225577	TRPM4	19	5.62E-05	0.151931593	0.378451811
cg03716852	TRPM4	19	0.00042068	0.209783004	0.368777729
cg10002185	TRPM4	19	0.01403313	0.237472034	0.38693372
cg03330762	TRPM4	19	0.00447527	0.263741603	0.382110615
cg14220181	TRPM8	2	0.00085408	0.210750115	0.364124336
cg07379888	TRPM8	2	0.00284684	0.693227317	0.846128109
cg07371504	TRPV3	17	0.04472058	0.283469848	0.425613158
cg21465150	TRPV3	17	0.02461658	0.423360795	0.525694849
cg26358374	TRPV4;TRPV4	12	0.00577668	0.142898103	0.300395366
cg04717595	TRPV4;TRPV4	12	0.00328758	0.14231875	0.260163443
cg12765716	TRPV4;TRPV4	12	0.00166834	0.132740236	0.235246559
cg09486642	TRPV6	7	0.01910129	0.281814584	0.386769594
cg03151191	TRRAP	7	0.03369563	0.608048812	0.711953567
cg01769813	TSC2;TSC2;TSC	16	0.00642404	0.336143601	0.517835244
cg08936056	TSC2;TSC2;TSC	16	0.00652368	0.305738769	0.46965779
cg07675656	TSC2;TSC2;TSC	16	0.0086439	0.25790634	0.41837535
cg02364279	TSC2;TSC2;TSC	16	0.00279548	0.406485521	0.538046652
cg05626094	TSC2;TSC2;TSC	16	0.00114854	0.602258039	0.729737438
cg07730183	TSC2;TSC2;TSC	16	0.00455256	0.569759734	0.672546516
cg22497575	TSC22D1	13	0.01270566	0.155552934	0.314859292
cg03097389	TSC22D1;TSC	13	0.0217075	0.123132381	0.292602979
cg00866186	TSEN54	17	0.01258486	0.319238709	0.443991485
cg23196081	TSGA10IP;TSG	11	0.00610397	0.176083961	0.282857631
cg21663359	TSNARE1	8	0.00421105	0.223586778	0.366309329
cg25247409	TSNARE1	8	0.0030318	0.19064544	0.326307079
cg05812666	TSNAX-DISC1	1	0.04043573	0.738112762	0.845135235
cg20852945	TSPAN18	11	0.04905188	0.31349857	0.44154656
cg09663584	TSPAN3;TSPAN	15	0.00434916	0.743066254	0.852128736
cg18044967	TSPAN32	11	0.00830494	0.333975018	0.472935446
cg13614606	TSPAN4;TSPAN	11	6.85E-05	0.532115163	0.699829146
cg13992402	TSPAN4;TSPAN	11	0.00716406	0.413003831	0.548271207

cg13071185	TSPAN4;TSPA	11	0.00114616	0.301182144	0.435198745
cg17998346	TSPAN4;TSPA	11	0.00015759	0.536650542	0.650022324
cg23246886	TSPAN5	4	0.00060157	0.591568176	0.754063294
cg09296942	TSPAN5	4	0.0092796	0.335840059	0.495121979
cg10493055	TSPAN5	4	0.02474541	0.324093129	0.459193761
cg00615469	TSPAN5	4	0.03361069	0.194311413	0.32360006
cg20639398	TSPAN9;TSPA	12	0.00085003	0.616260487	0.73185723
cg25672027	TSPO;TSPO	22	0.00122333	0.361466749	0.552995159
cg06766636	TSPYL1;TSPYI	6	0.02592301	0.28999577	0.404900141
cg03646994	TSSC1	2	0.02144994	0.368717447	0.521012893
cg04951371	TSSC1	2	0.0001566	0.242021506	0.392966126
cg14461974	TSSC1	2	0.00109287	0.450033903	0.573974546
cg19536922	TSSC1	2	0.00166145	0.704319365	0.823218489
cg11685249	TSSK1B;MCC	5	0.00090542	0.396612653	0.569637722
cg12898512	TSTD1;TSTD1	1	0.00368527	0.583203097	0.760797437
cg12392225	TTC15	2	0.00656059	0.092385525	0.307614692
cg27639897	TTC15	2	0.01392652	0.141063449	0.348173686
cg25714774	TTC15	2	0.00047964	0.642141051	0.793326254
cg25113123	TTC15	2	0.00053985	0.542913214	0.672420442
cg05989746	TTC15	2	0.00608572	0.685480893	0.793759467
cg21858320	TTC15	2	0.01243277	0.357367558	0.463996295
cg15645660	TTC22	1	0.00116614	0.243116653	0.414145122
cg19022697	TTC22	1	0.00033877	0.183395787	0.34329035
cg05000598	TTC24	1	0.04409128	0.319638416	0.430001792
cg05401069	TTC39C	18	0.0233306	0.139614351	0.336497474
cg18719665	TTC39C	18	0.0348372	0.107036493	0.27398342
cg11222440	TTC7A	2	0.00153474	0.35389724	0.568363558
cg04437845	TTC7A	2	0.00064269	0.524190879	0.667997203
cg23978866	TTC7A	2	0.03995761	0.203004815	0.331138416
cg06528816	TTC7A	2	0.00558142	0.301600349	0.425403938
cg22321808	TTC7A	2	0.00314371	0.130787247	0.242657577
cg10062874	TTC7B	14	0.01861595	0.220166691	0.419138293
cg09363076	TTC7B	14	0.01048521	0.525670671	0.684846518
cg04458567	TTL	2	0.02144383	0.457165302	0.614808596
cg05545910	TTL1;TTL1	22	4.44E-05	0.415883271	0.622251205
cg21184518	TTL11;TTL1	9	0.03553947	0.299258065	0.436297232
cg01910478	TTL5	14	0.02497208	0.148900313	0.256285414
cg24687102	TTYH1;TTYH1	19	0.00022269	0.637470515	0.738902093
cg10087754	TTYH3	7	0.02498457	0.229548944	0.370499403
cg23568324	TTYH3	7	0.01419249	0.168657537	0.280501438
cg22788953	TTYH3	7	0.01806525	0.275351259	0.384305142
cg05519002	TUB;TUB	11	0.0002122	0.30149097	0.488835204
cg10133610	TUBB2B	6	0.03422125	0.486075245	0.632679488
cg11269895	TUBGCP3	13	0.01990433	0.720453505	0.8313403
cg10724940	TUBGCP6	22	0.00705398	0.408000765	0.528279646
cg04139827	TUFT1;TUFT1	1	0.00918233	0.255011515	0.366519322

cg05373339	TUG1;MORC	22	0.02342458	0.18316313	0.295823731
cg27279674	TULP3;TULP3	12	0.03789927	0.56090363	0.696362319
cg03467567	TULP4;TULP4	6	0.00689334	0.549001284	0.757656128
cg07705604	TULP4;TULP4	6	0.0003098	0.44760659	0.616246222
cg12601856	TULP4;TULP4	6	2.64E-05	0.313147107	0.653548959
cg18978680	TULP4;TULP4	6	3.61E-05	0.249962701	0.577741281
cg19987965	TULP4;TULP4	6	6.59E-05	0.372227004	0.680160884
cg13068216	TULP4;TULP4	6	4.87E-06	0.277266315	0.584329434
cg02060443	TULP4;TULP4	6	0.00021379	0.51731782	0.778107773
cg23816737	TULP4;TULP4	6	0.02404749	0.213728533	0.400560253
cg07165851	TULP4;TULP4	6	0.00096673	0.155773792	0.281301039
cg22986947	TXNDC5;TXN	6	0.00144184	0.495432488	0.613659577
cg23306063	TYK2	19	0.00128966	0.290661144	0.428548527
cg21480173	TYK2	19	0.00613024	0.682897304	0.796562829
cg02886132	TYW1B;TYW:	7	0.00229934	0.279282884	0.425085714
cg24509225	UBAC2;UBAC	13	0.00163802	0.245012413	0.438499392
cg14227418	UBAP2	9	0.00147359	0.559851753	0.662084609
cg20555462	UBASH3B	11	0.03534581	0.479922904	0.615394285
cg14711145	UBE2B	5	0.0062269	0.528980418	0.64471193
cg06193520	UBE2I;UBE2I	16	0.00691903	0.551619215	0.653170702
cg06361835	UBE2J2;UBE2	1	0.01603018	0.529964133	0.632897781
cg10628201	UBE2L3;UBE:	22	0.00263182	0.207726176	0.423006804
cg17318943	UBE2O	17	0.01396845	0.779805225	0.907598581
cg12547839	UBE2O	17	0.01693796	0.155852931	0.275991723
cg10125465	UBE4B;UBE4	1	0.02187647	0.283152918	0.463005908
cg02390515	UBE4B;UBE4	1	0.00070508	0.486712677	0.640389592
cg10421435	UBLCP1	5	0.01920955	0.796509073	0.898902717
cg04440724	UBN1;UBN1	16	0.00156146	0.79240301	0.911590752
cg13270236	UBR2	6	0.00251761	0.363758696	0.47090788
cg22840650	UBTD1	10	0.01169295	0.134315977	0.337611006
cg15232718	UBTD1	10	0.01123417	0.335735818	0.470049677
cg25514475	UBTD2	5	0.01622806	0.099589964	0.201313138
cg08499158	UBTF;UBTF;L	17	0.00415684	0.421541904	0.594192966
cg10308265	UBTF;UBTF;L	17	0.00111242	0.293506772	0.455923975
cg16740067	UBTF;UBTF;L	17	0.00035928	0.700618912	0.803409312
cg10402321	UBXN11;UBX	1	0.01318563	0.330603165	0.466288911
cg21934504	UBXN6;UBXN	19	0.01494373	0.363230848	0.513314195
cg03191919	UBXN7	3	0.00308431	0.150087671	0.27237241
cg14440024	UCKL1;MIR19	20	0.00925044	0.139265261	0.240232252
cg01637548	UCKL1;MIR64	20	0.00794886	0.184752693	0.291169621
cg27243297	UCMA	10	0.00313634	0.206880355	0.369742536
cg06536868	UCN	2	0.00512577	0.21357145	0.318485818
cg15671083	UCN3	10	0.03059028	0.422631601	0.544815282
cg00621899	UFSP1;UFSP1	7	0.0048768	0.28165747	0.42649165
cg17028658	UFSP2;UFSP2	4	0.01330349	0.509307936	0.696112472
cg03631065	UGGT2	13	0.00795627	0.636618989	0.738015134

cg19931529	UGP2;UGP2	2	0.01339898	0.144127297	0.27989403
cg07823755	UGT1A10;UC	2	0.02300184	0.614416795	0.72779267
cg15260428	ULK1	12	0.00438512	0.574790206	0.725290237
cg17138298	ULK1	12	0.00023739	0.210251067	0.31026204
cg03240473	UMODL1;UM	21	0.00264192	0.467231174	0.649670086
cg14380013	UNC119B	12	0.02754105	0.227524576	0.368347485
cg23470227	UNC13D	17	0.0003561	0.512707856	0.659117196
cg12407791	UNC13D	17	0.00601891	0.362955322	0.488289545
cg16759416	UNC5B	10	0.01276596	0.468391891	0.617059735
cg25151834	UNKL	16	0.00486443	0.733859864	0.868318479
cg16490191	UNKL	16	0.00637775	0.691026495	0.805857854
cg01682111	UNKL	16	0.00809909	0.095135873	0.203375929
cg03622431	UOX;DNASE2	1	0.0031469	0.395895413	0.538429622
cg07151747	UPP2;UPP2	2	0.00184143	0.340885164	0.496933383
cg17710536	URGCP;URGC	7	0.00657031	0.395752391	0.584521358
cg19985030	USH1G	17	0.00067845	0.466024252	0.646657899
cg04431002	USP10	16	0.00796463	0.346270318	0.530599051
cg07795346	USP10	16	0.00920818	0.11567889	0.288997285
cg01019355	USP12	13	0.00024258	0.236498597	0.404370937
cg02387639	USP13	3	0.00407088	0.354041163	0.559081714
cg02756502	USP20;USP20	9	0.01809313	0.205888793	0.347900322
cg07213414	USP31	16	0.03769143	0.406454103	0.562682237
cg24427271	USP36	17	0.00412935	0.433428551	0.64698083
cg23496516	USP36	17	0.00109578	0.35164982	0.511004891
cg22849526	USP42	7	0.02231813	0.650724868	0.781651303
cg27657926	USP42	7	0.03967642	0.387390625	0.510748804
cg10161111	USP42	7	0.00232071	0.204882512	0.317449151
cg05638347	USP42	7	0.00602384	0.764648318	0.872008653
cg10003032	USP42	7	0.00750991	0.159837567	0.267018553
cg10752190	USP43	17	0.00338219	0.328875956	0.477578875
cg10098221	USP46;USP46	4	0.01286545	0.161221518	0.315560063
cg27181013	USP5;USP5;C	12	0.01986989	0.292290814	0.425797774
cg10853431	USP6NL;USP6NL	10	0.00030928	0.353154152	0.571993402
cg18766900	USP6NL;USP6NL	10	0.00721444	0.351090526	0.54031875
cg06528737	USP6NL;USP6NL	10	0.00587002	0.483973459	0.653645225
cg06302998	USP6NL;USP6NL	10	0.0151102	0.144364993	0.304592016
cg06918917	USP6NL;USP6NL	10	0.01696611	0.17647903	0.304561396
cg08699489	USP6NL;USP6NL	10	0.01137672	0.468995562	0.580752988
cg04444027	USP7	16	0.01310841	0.184956537	0.341269907
cg01601926	USP7	16	0.00338585	0.270959326	0.397341481
cg19109601	UTP20	12	0.04484473	0.358896654	0.534444621
cg18800739	UTRN	6	0.02059713	0.249196172	0.380898168
cg02475675	UTRN	6	0.00474389	0.647559504	0.773944044
cg20625138	UTS2;UTS2	1	0.0036042	0.336497383	0.537493015
cg07783183	UVRAG	11	0.00039886	0.572906428	0.798818518
cg24630516	UVRAG	11	0.00068259	0.769672396	0.870215991

cg14321837	UXS1	2	0.0143378	0.497623641	0.624846699
cg10216848	VAC14	16	0.00030405	0.435896133	0.668876843
cg08201451	VAC14	16	0.00084015	0.408549587	0.596184091
cg10262662	VAC14	16	0.00059507	0.424380259	0.584447818
cg05704955	VAC14	16	0.00595575	0.160451568	0.272425374
cg07671622	VAC14	16	0.00399146	0.166400826	0.26988913
cg15673491	VAR2;VAR2;	6	0.00759233	0.431993957	0.566350445
cg17428922	VAR2;VAR2;	6	0.01544673	0.45156843	0.583002059
cg02149965	VAR2;VAR2;	6	0.0137696	0.296762366	0.422474416
cg11505113	VASH2;VASH	1	0.00097224	0.164271551	0.269401738
cg26457890	VASN;CORO7	16	0.0003638	0.147203336	0.352402883
cg04185382	VASN;CORO7	16	0.00127256	0.288815133	0.431856522
cg01851968	VASN;CORO7	16	0.00502589	0.402870135	0.53051891
cg13954067	VAV2;VAV2	9	0.00378013	0.108847084	0.304350724
cg13829680	VAV2;VAV2	9	0.00018852	0.593372345	0.762676616
cg13424940	VAV2;VAV2	9	0.00352415	0.197168632	0.349037078
cg14286025	VAV2;VAV2	9	0.00069104	0.243985389	0.394417725
cg00788204	VAV2;VAV2	9	0.00220544	0.639201346	0.779089905
cg14308466	VAV2;VAV2	9	0.01915561	0.185810885	0.310230456
cg13836412	VAV2;VAV2	9	0.00619877	0.460326977	0.575529202
cg14137625	VAV2;VAV2	9	0.01039444	0.378906929	0.481311443
cg04223006	VCAN;VCAN;	5	0.00684581	0.208764527	0.354556113
cg16492597	VDAC1	5	0.00191281	0.135895312	0.27757693
cg25219939	VDR;VDR	12	0.0003561	0.481750667	0.679148139
cg12279019	VEGFA;VEGF.	6	0.00371795	0.308770707	0.500461982
cg16907527	VEGFA;VEGF.	6	0.00367549	0.580235021	0.734103636
cg25547939	VEGFB;DNAJ1	11	0.0050449	0.336390227	0.474774665
cg22658311	VEGFC	4	0.0030301	0.399106922	0.555374852
cg19875532	VENTX	10	0.00952571	0.224892932	0.325823387
cg01589054	VGLL4	3	0.03587503	0.544472615	0.695817529
cg15876825	VGLL4;VGLL4	3	0.00066438	0.249245854	0.404291925
cg01948850	VGLL4;VGLL4	3	0.00240426	0.134507596	0.277438582
cg17553677	VGLL4;VGLL4	3	0.00710997	0.175295658	0.311988157
cg26015019	VGLL4;VGLL4	3	0.04302448	0.502317176	0.622415508
cg03612519	VGLL4;VGLL4	3	0.0499271	0.694355018	0.813479556
cg22841079	VGLL4;VGLL4	3	0.01099835	0.192889126	0.380895619
cg08815359	VGLL4;VGLL4	3	3.77E-05	0.637445601	0.812584389
cg00510331	VGLL4;VGLL4	3	0.00756887	0.441649769	0.604492825
cg23193320	VGLL4;VGLL4	3	0.00213549	0.46711565	0.611973625
cg25334834	VGLL4;VGLL4	3	0.00581964	0.634406432	0.764538984
cg03182000	VGLL4;VGLL4	3	0.00023272	0.601085935	0.729774758
cg21527078	VGLL4;VGLL4	3	0.0027503	0.159247268	0.292505167
cg27083087	VGLL4;VGLL4	3	0.00865096	0.151503606	0.267345941
cg15736553	VGLL4;VGLL4	3	0.00224433	0.153300038	0.257855227
cg19880465	VILL	3	0.00854462	0.177881181	0.376090391
cg14974056	VIT	2	0.01179869	0.558746408	0.683144222

cg07459478	VOPP1	7	0.00289269	0.204716638	0.347420216
cg18576301	VPS13B;VPS1	8	0.00032559	0.465297545	0.635483644
cg17117823	VPS13B;VPS1	8	0.01168316	0.524345337	0.688010274
cg04175786	VPS13B;VPS1	8	0.01230533	0.143833428	0.275769414
cg18224970	VPS13B;VPS1	8	0.01002356	0.423458709	0.552515339
cg26228280	VPS13D;VPS1	1	0.00741989	0.264044876	0.463868213
cg07139350	VPS13D;VPS1	1	0.04255645	0.127645952	0.294910401
cg09740775	VPS33B	15	0.00732284	0.516906964	0.640911688
cg24692310	VPS37C	11	0.00144184	0.363251721	0.487740415
cg01115243	VPS4A	16	0.00831518	0.271951801	0.422748037
cg15105901	VPS4A	16	0.00652368	0.693726179	0.801537219
cg23510109	VPS53;VPS53	17	0.00118042	0.384393208	0.607978859
cg08414021	VPS8;VPS8	3	0.00377565	0.793541778	0.915729911
cg13570957	VWA1;VWA1	1	0.02007512	0.575977363	0.696340188
cg09668627	VWA1;VWA1	1	0.00582777	0.200645039	0.307444066
cg24363374	VWA5B2	3	0.01087026	0.279063561	0.399733964
cg06730678	VWF	12	0.00188582	0.52961757	0.673063736
cg20837463	VWF	12	0.00120761	0.130014613	0.271538212
cg15104126	VWF	12	0.03166205	0.501494806	0.626342226
cg16566595	WBP11P1	18	0.04803716	0.205634218	0.323239105
cg09537568	WDFY3;WDF	4	0.01387187	0.44150921	0.589121244
cg13623664	WDFY4	10	0.02123142	0.12577712	0.245301007
cg24789587	WDR18	19	0.02483047	0.650007107	0.762512295
cg01755336	WDR20;WDF	14	0.00316094	0.302626613	0.458199974
cg04545835	WDR20;WDF	14	0.00427901	0.456119782	0.567368993
cg09980114	WDR20;WDF	14	0.00312894	0.67043396	0.776871301
cg04858090	WDR27	6	0.04076212	0.647719393	0.823006738
cg07385723	WDR27	6	0.00681997	0.190226073	0.326618989
cg06630010	WDR37	10	0.0171675	0.669338128	0.775347604
cg12167135	WDR45L	17	0.00293426	0.614076064	0.777710115
cg13504933	WDR51A;WC	3	0.01005748	0.454411804	0.600009684
cg07822618	WDR60	7	0.00047327	0.272210661	0.474715134
cg01302119	WDR60	7	0.00129139	0.42086259	0.534649325
cg06728824	WDR93	15	0.01473031	0.692642515	0.854208626
cg08933790	WFIKKN1	16	0.01741205	0.718867416	0.837763476
cg20889395	WFIKKN2	17	0.0083029	0.24850931	0.365138973
cg27520716	WHAMML2	15	0.01217074	0.689118428	0.790861064
cg04996238	WHSC2	4	0.01614421	0.252271138	0.412094634
cg00248861	WHSC2	4	0.0262525	0.406919605	0.545777523
cg01425021	WHSC2	4	0.00092474	0.631609462	0.756348008
cg11164860	WHSC2	4	0.0333247	0.266789911	0.379735577
cg18690368	WIPF3	7	0.01407613	0.215865177	0.383734236
cg08605301	WIPF3	7	0.00051031	0.166834836	0.283837955
cg26988194	WIPI1	17	0.00421428	0.52728827	0.666049979
cg06640364	WIPI2;WIPI2;	7	0.00897135	0.532050119	0.637662951
cg17667625	WISP1;WISP:	8	0.04468293	0.119316653	0.252845432

cg00122628	WISP1;WISP:	8	0.00817394	0.408283918	0.528509505
cg26617637	WISP1;WISP:	8	0.00422162	0.276823737	0.393543718
cg19804071	WISP3;WISP:	6	0.00185899	0.289459255	0.411057695
cg14723977	WIZ	19	0.00107935	0.305445761	0.496061512
cg13481840	WNK2	9	0.00148737	0.37603491	0.562807848
cg02169981	WNT11	11	0.00422422	0.501461031	0.662604779
cg15574321	WNT11	11	0.01064834	0.253587684	0.371378082
cg02298472	WNT5A	3	0.00911132	0.44420201	0.611892745
cg01777121	WNT5A	3	0.0223208	0.287726273	0.434050594
cg18562578	WNT5A	3	0.00811049	0.321160007	0.452019559
cg24216596	WNT5A	3	0.00557693	0.420851094	0.544229743
cg10302498	WNT5B;WNT	12	0.02886667	0.35875202	0.461955426
cg25195899	WSB1;WSB1	17	0.00305772	0.698949582	0.803664217
cg00923481	WSCD2	12	0.0017138	0.382511099	0.520955571
cg22264616	WT1;WT1;W	11	0.0274865	0.239767196	0.34735145
cg18472912	WWC1;WWC	5	0.00229373	0.476643893	0.644741184
cg21038780	WWC1;WWC	5	0.03037921	0.200923281	0.368109151
cg26990527	WWOX	16	0.00174028	0.611805296	0.776465156
cg03119442	WWOX	16	0.00222827	0.709739759	0.854599025
cg03904534	WWOX	16	0.00313777	0.740877559	0.855725908
cg02559817	WWOX	16	0.0462144	0.711149954	0.818027922
cg01656717	WWP2;WWF	16	0.00536273	0.181671368	0.379313824
cg02712546	WWP2;WWF	16	0.0111003	0.168287521	0.352535671
cg05781582	WWP2;WWF	16	0.00741599	0.118066067	0.301059084
cg00657810	WWP2;WWF	16	0.01068023	0.146470199	0.32609492
cg01171429	WWP2;WWF	16	0.00755574	0.3999261	0.575163267
cg08701134	WWP2;WWF	16	0.00145662	0.214349971	0.386846117
cg09036558	WWP2;WWF	16	0.00192081	0.260078095	0.43163239
cg26884345	WWP2;WWF	16	0.00220203	0.11858467	0.25801768
cg00963786	WWP2;WWF	16	0.00976341	0.140630184	0.26140704
cg03346415	WWP2;WWF	16	0.00589194	0.176851477	0.287469535
cg08419373	WWP2;WWF	16	0.01167914	0.227179213	0.33634088
cg27449255	WWP2;WWF	16	0.0048291	0.127467781	0.235560851
cg06509362	WWP2;WWF	16	0.01240399	0.417474146	0.519337883
cg15043384	WWTR1;WW	3	0.00142373	0.180922048	0.313550585
cg14557185	WWTR1;WW	3	0.00922787	0.095774817	0.208923652
cg10291238	XPO4	13	0.03848302	0.742735669	0.857994061
cg02412345	XPO7;XPO7	8	0.01542532	0.30604177	0.436025011
cg22272713	XPO7;XPO7	8	0.00362241	0.131896622	0.255746921
cg22872857	XPO7;XPO7	8	0.02967034	0.125104837	0.248103852
cg04031030	XPO7;XPO7;)	8	0.02510102	0.652814022	0.785112194
cg14514120	XPOT	12	3.75E-05	0.329744528	0.538459078
cg07916058	XPR1;XPR1	1	0.01888074	0.720608123	0.866490493
cg20864326	XRCC2	7	0.03856066	0.74697287	0.862572742
cg02259047	XRCC3;XRCC:	14	0.00086154	0.328670333	0.525848207
cg10347949	XRCC3;XRCC:	14	0.00032743	0.495137476	0.688049305

cg09922085	XRCC3;XRCC3	14	0.0003561	0.59033415	0.709623003
cg27170268	XRCC3;XRCC3	14	0.00833443	0.454191674	0.569438802
cg25561904	XRCC3;XRCC3	14	0.00019392	0.399066061	0.570430872
cg02256455	XRCC3;XRCC3	14	0.0006377	0.401099993	0.510233363
cg13255208	XRCC3;XRCC3	14	0.00074584	0.528087035	0.634300823
cg05998850	XRCC5	2	0.00915775	0.66332246	0.770014016
cg06635133	XYLT1	16	0.00039187	0.175726852	0.430416457
cg04986899	XYLT1	16	0.00212362	0.434702815	0.675179224
cg16546017	XYLT1	16	0.00418379	0.211828055	0.384147408
cg07896448	XYLT1	16	0.02151232	0.192530725	0.346745809
cg06066697	XYLT1	16	0.00622698	0.188965981	0.34136797
cg26706077	XYLT1	16	0.03266095	0.520980796	0.629690835
cg13917578	YIPF5;YIPF5	5	0.02088907	0.259327611	0.377652887
cg16640973	YJEFN3	19	0.00377432	0.204064124	0.384600735
cg15839431	YJEFN3	19	0.00228907	0.2721555	0.407547054
cg10172584	YJEFN3	19	0.01501739	0.306803224	0.413728417
cg27445557	YKT6	7	0.00117917	0.587899456	0.705974574
cg01653532	YPEL2	17	0.0393529	0.105077505	0.272948877
cg10948088	YPEL2	17	0.01828197	0.59937912	0.716129042
cg13521620	YPEL2	17	0.03406382	0.127381149	0.238652573
cg26003360	YPEL2	17	0.00147451	0.69249813	0.798302702
cg21364719	ZADH2	18	0.03809973	0.547290155	0.681432774
cg17953764	ZAR1	4	0.00523957	0.119226847	0.221627823
cg24214000	ZBED4	22	0.00458025	0.308784062	0.41241106
cg11049439	ZBTB12	6	0.00180584	0.201411792	0.433986323
cg11349594	ZBTB12	6	0.00067845	0.349913216	0.547945244
cg24826636	ZBTB12	6	0.01288521	0.197581388	0.313309866
cg12026858	ZBTB16;ZBTE	11	0.0014307	0.361992533	0.604257083
cg22768358	ZBTB16;ZBTE	11	0.00929712	0.273485527	0.435164763
cg03725573	ZBTB16;ZBTE	11	0.00092663	0.205662923	0.344488137
cg07631435	ZBTB16;ZBTE	11	0.04762086	0.164343921	0.285275883
cg14373380	ZBTB17	1	0.01812609	0.362809918	0.496240751
cg19981243	ZBTB20;ZBTE	3	0.01823019	0.285454888	0.465156291
cg07165288	ZBTB20;ZBTE	3	0.01500836	0.150368964	0.332630182
cg10995873	ZBTB20;ZBTE	3	0.00288935	0.456282745	0.622862501
cg26100303	ZBTB20;ZBTE	3	0.00146089	0.545587563	0.689022767
cg27168291	ZBTB22;TAPE	6	0.00029279	0.250821809	0.400895845
cg27486151	ZBTB4;ZBTB4	17	0.00345483	0.520680753	0.621522472
cg26681523	ZBTB40;ZBTE	1	0.04358736	0.316209958	0.464501118
cg14918743	ZBTB42	14	5.47E-05	0.313670747	0.528740053
cg01620248	ZBTB42	14	0.00026765	0.566942765	0.724906081
cg09255505	ZBTB42	14	0.00228183	0.503736125	0.656001874
cg00975418	ZBTB43;ZBTE	9	0.02770256	0.754327437	0.862108747
cg22735105	ZBTB46	20	0.00089244	0.332855459	0.532889545
cg12840850	ZBTB46	20	0.00618205	0.382039768	0.502782858
cg18369516	ZBTB46	20	0.01113697	0.118523593	0.226085282

cg04634182	ZBTB47	3	0.00338219	0.561858403	0.723120495
cg25049162	ZBTB47	3	0.0005198	0.314022757	0.421166927
cg21250061	ZBTB5	9	0.01618329	0.177392196	0.328717721
cg09598590	ZC3H13	13	0.01402764	0.571459808	0.767000679
cg20891306	ZC3H13	13	0.03769143	0.805141852	0.928318024
cg08195758	ZC3H18	16	0.00789674	0.363078321	0.46945549
cg04377850	ZC3H18	16	0.04976426	0.500471168	0.605600669
cg08380064	ZC3H3	8	4.31E-05	0.464307927	0.700618248
cg12688965	ZC3H3	8	0.00202083	0.347797396	0.533953801
cg24974704	ZC3H3	8	0.00243017	0.266830503	0.448006767
cg13191508	ZC3H3	8	0.0007702	0.250779103	0.431212227
cg17517442	ZC3H3	8	0.0048916	0.493637341	0.667341057
cg04040861	ZC3H3	8	0.00023093	0.233459786	0.406028202
cg15170442	ZC3H3	8	0.00122587	0.364247415	0.515347109
cg15681229	ZC3H3	8	0.00018382	0.451462735	0.586774757
cg11303301	ZC3H3	8	0.00338013	0.249822053	0.382012563
cg11497758	ZC3H3	8	0.04009269	0.555177169	0.661515653
cg11329090	ZC3H3	8	0.00817655	0.667451588	0.771769676
cg14189808	ZC3H4	19	0.02253596	0.150130159	0.29505882
cg09095525	ZC3H7A	16	0.02507971	0.145006703	0.280373994
cg08160706	ZC3H7A	16	0.04183189	0.636996839	0.766893985
cg09509089	ZCCHC10	5	0.00028378	0.779750411	0.895947058
cg27414087	ZCCHC14	16	0.00625218	0.241525638	0.430281103
cg04772241	ZCCHC14	16	0.02317214	0.199812694	0.320942178
cg02896970	ZCCHC14	16	0.0052175	0.46083991	0.578203851
cg07894883	ZCCHC24	10	0.00130631	0.445373221	0.626052573
cg04904468	ZCCHC24	10	0.01019896	0.540790692	0.676021071
cg04920385	ZCCHC24	10	0.02107109	0.115670944	0.248565614
cg17310882	ZDHHC14;ZD	6	0.00221798	0.220604513	0.387690191
cg23935522	ZDHHC17	12	0.02326198	0.591769174	0.705715425
cg04116155	ZEB1;ZEB1;Zl	10	0.0028302	0.664780667	0.797765207
cg26229092	ZEB1;ZEB1;Zl	10	0.00992851	0.743690482	0.863945895
cg17552088	ZFAND3	6	0.00850779	0.207132464	0.439391976
cg08858926	ZFHX3;ZFHX3	16	0.00455801	0.523328258	0.68421833
cg07395439	ZFHX3;ZFHX3	16	0.00091139	0.624454907	0.735010391
cg06126698	ZFPM1	16	0.00281198	0.387023673	0.605175422
cg05142677	ZFPM1	16	0.00490262	0.172959689	0.303090375
cg00652332	ZFPM1	16	0.00325165	0.559024293	0.673724953
cg10450897	ZFPM2	8	0.04055315	0.663674867	0.769762412
cg18376227	ZFYVE16;ZFY	5	0.01913464	0.786900848	0.908232218
cg04117455	ZFYVE21	14	0.00036876	0.224220308	0.499254153
cg06946814	ZFYVE21	14	0.0007702	0.556344579	0.762667193
cg10126234	ZFYVE21	14	0.0074034	0.345620463	0.504081278
cg21167502	ZFYVE21	14	0.03779743	0.507628522	0.665208777
cg13154413	ZFYVE21	14	0.00565444	0.448931428	0.602272416
cg25580656	ZFYVE21	14	0.00306344	0.514949742	0.661004356

cg04984818	ZFYVE21	14	0.01005148	0.642554589	0.773837223
cg09924366	ZFYVE21	14	8.50E-05	0.243528246	0.36770281
cg04162497	ZFYVE21	14	0.02180569	0.296533447	0.412210065
cg08489478	ZFYVE27;ZFY	10	0.01679837	0.526196561	0.699038805
cg23859313	ZFYVE28	4	0.00116998	0.436101054	0.59386203
cg00856997	ZFYVE28	4	0.00718213	0.415084832	0.516678942
cg07042007	ZFYVE28	4	0.00545547	0.208223608	0.308910844
cg19894253	ZHX1;ZHX1	8	0.03678629	0.465351972	0.606750746
cg06035200	ZHX2	8	0.00237468	0.132942172	0.341625864
cg21926603	ZHX2	8	0.00850779	0.17899448	0.340914666
cg02795981	ZMIZ1	10	0.00172011	0.281886283	0.5129556
cg20679052	ZMIZ1	10	0.00022274	0.390580405	0.61496777
cg19666787	ZMIZ1	10	0.00404998	0.149164786	0.336447423
cg04256907	ZMIZ1	10	0.00474734	0.451825525	0.631344072
cg15733068	ZMIZ1	10	0.00069916	0.415595934	0.589203025
cg14825905	ZMIZ1	10	0.00305286	0.249555892	0.415702858
cg02743070	ZMIZ1	10	3.77E-05	0.356941147	0.512394446
cg24752964	ZMIZ1	10	0.01503878	0.146823577	0.300852776
cg25365214	ZMIZ1	10	0.00014385	0.466041696	0.616590954
cg16112766	ZMIZ1	10	0.01121859	0.121289386	0.266847655
cg16815157	ZMIZ1	10	0.00016606	0.495389139	0.635693289
cg10812439	ZMIZ1	10	0.03008269	0.48346812	0.614197857
cg13676902	ZMIZ1	10	0.00873052	0.650439127	0.772057102
cg09354331	ZMIZ1	10	0.00047652	0.474915842	0.595671058
cg15522953	ZMIZ1	10	0.02188742	0.61100154	0.726242697
cg17823346	ZMIZ1	10	0.00954606	0.106814495	0.218301416
cg02851873	ZMIZ1	10	0.02699588	0.358420079	0.467834606
cg20744163	ZMIZ1	10	0.00646906	0.722087486	0.828874297
cg14841514	ZMIZ1	10	0.00127864	0.424600531	0.530824706
cg16201273	ZMIZ1	10	3.02E-06	0.687303119	0.793139623
cg17065712	ZMIZ1	10	0.00966663	0.469280433	0.574068941
cg10816687	ZMIZ1	10	0.00138002	0.708828999	0.812039092
cg01053681	ZMIZ1	10	0.00110317	0.702631614	0.80513828
cg03707696	ZMIZ1	10	0.00499946	0.687567709	0.79001245
cg05141341	ZMIZ2;ZMIZ2	7	0.00055779	0.224222193	0.431163116
cg19523667	ZMIZ2;ZMIZ2	7	0.00618119	0.190693718	0.315249545
cg23350904	ZMYND15;ZM	17	0.00723512	0.132720779	0.233137541
cg24343287	ZNF135;ZNF1	19	0.01168336	0.624703216	0.752081794
cg15264273	ZNF169	9	0.00456592	0.709736147	0.829688029
cg02013987	ZNF222;ZNF2	19	0.02088415	0.430125246	0.546084476
cg14781805	ZNF236	18	0.0302548	0.644894881	0.793138726
cg00077457	ZNF326;LOC4	1	0.03624845	0.726097894	0.855012715
cg10061906	ZNF34	8	0.00199071	0.147089689	0.264234966
cg20435267	ZNF354B	5	0.00917927	0.546956935	0.655273015
cg17422088	ZNF362	1	0.02531777	0.602057936	0.739493794
cg14700504	ZNF365;ZNF3	10	0.04371082	0.457652062	0.582097195

cg02712553	ZNF365;ZNF366	10	0.00090911	0.664736392	0.787557194
cg12508655	ZNF366	5	0.01635226	0.499227922	0.637324098
cg15872458	ZNF385A;ZNF385B	12	0.02651006	0.522508949	0.657116354
cg17970299	ZNF385A;ZNF385B	12	0.00281006	0.188848772	0.368508451
cg23765332	ZNF385A;ZNF385B	12	0.02906788	0.092042141	0.208359765
cg19507160	ZNF395	8	0.00422896	0.17458211	0.39768211
cg18508845	ZNF397OS;ZNF397	18	0.00126718	0.604886254	0.737616566
cg15560061	ZNF414;ZNF414-1	19	0.00147517	0.244644353	0.374941937
cg10768564	ZNF414;ZNF414-1	19	0.00162288	0.696724527	0.801166674
cg02335656	ZNF423	16	0.00205368	0.393376474	0.58724296
cg10120897	ZNF469	16	0.00177826	0.369432857	0.545348971
cg26700277	ZNF469	16	0.00043254	0.331890146	0.485805842
cg16284674	ZNF511;TUBB1	10	8.49E-05	0.345672647	0.604778815
cg09523339	ZNF512B	20	0.02866071	0.56298248	0.687113125
cg15347788	ZNF516	18	0.00478643	0.147343855	0.279060736
cg17675150	ZNF532	18	0.03984929	0.405257517	0.571590595
cg25401010	ZNF532	18	0.04071583	0.48575205	0.624734619
cg22832557	ZNF578	19	0.00257502	0.162082955	0.289346669
cg26804891	ZNF598	16	0.00262792	0.321789934	0.509512583
cg05957504	ZNF608	5	0.00567228	0.322560993	0.549539535
cg22589697	ZNF608	5	0.02852622	0.417582248	0.524847817
cg23598573	ZNF609	15	0.01237513	0.527623303	0.677453349
cg11964338	ZNF610;ZNF610-1	19	0.01452	0.379243938	0.564081575
cg21047429	ZNF628	19	0.01574867	0.550809792	0.655421944
cg22449337	ZNF642	1	0.03814669	0.170701096	0.292389124
cg13798986	ZNF653	19	0.02725798	0.535811214	0.655434889
cg08418138	ZNF670	1	0.03644915	0.71341176	0.815144924
cg20156999	ZNF692;ZNF692-1	1	0.0014578	0.545718716	0.65300447
cg24680162	ZNF697	1	0.02538582	0.481123902	0.623337715
cg05342816	ZNF707;ZNF707-1	8	0.00919576	0.588821181	0.82843032
cg23005885	ZNF710	15	0.02666729	0.237955624	0.341791964
cg14110920	ZNF740	12	0.03564622	0.175040372	0.285177798
cg07999732	ZNF775	7	0.00226672	0.551315191	0.671016068
cg21326642	ZNF777	7	0.04652171	0.762249004	0.865023637
cg08287162	ZNF821;ATXN1	16	0.04249022	0.560804545	0.668431394
cg09427605	ZNF827	4	0.00172356	0.198907675	0.452617412
cg22598458	ZNF92;ZNF92-1	7	0.00910712	0.198397895	0.323310462
cg12968041	ZNRF3	22	0.03448828	0.352884092	0.499502087
cg05325182	ZSWIM4	19	0.00351826	0.272539851	0.38207785
cg16661004	ZYG11A	1	0.03681634	0.598929855	0.714810989
cg02574861	ZZEF1	17	0.000644	0.70539788	0.819769587
cg18943946	ZZEF1	17	0.00904484	0.355946322	0.465072622
cg22221847	ZZZ3	1	0.02506738	0.734183564	0.845351149
cg04589649		2	0.00023192	0.283114339	0.604109157
cg23678364		4	0.00028063	0.248104136	0.564375248
cg02571436		10	0.00114336	0.196048843	0.502632406

cg17393083	3	0.00084786	0.17502594	0.476505972
cg09936919	2	0.00060157	0.181513253	0.481953271
cg06228407	2	7.84E-05	0.354738894	0.654197143
cg01234251	11	0.00184237	0.213781761	0.511991176
cg23409007	6	0.00052651	0.4200017	0.714670121
cg17017878	6	0.00016426	0.20545696	0.4918499
cg26601431	1	0.00066183	0.244520571	0.52802818
cg24985060	15	0.00316954	0.150874918	0.433498526
cg10548805	14	0.00034195	0.277817062	0.558942788
cg16362189	11	0.00035308	0.298181595	0.57867395
cg17225604	17	0.03929765	0.570260217	0.848987446
cg23114476	5	0.0002596	0.260437406	0.535096461
cg10143823	14	0.00090161	0.303883143	0.574964744
cg24006770	1	0.00023192	0.382194676	0.651958749
cg25116792	3	0.0004591	0.503640192	0.764980401
cg12748499	1	0.00030197	0.55518096	0.814885105
cg25464265	1	0.00245178	0.34960759	0.608644867
cg23429664	10	0.00066546	0.378254275	0.636914259
cg02389264	16	0.00734925	0.369426164	0.628021729
cg04492459	17	0.00014418	0.268763819	0.52348599
cg18054281	10	0.00067128	0.175241006	0.429036874
cg09767588	1	0.0022187	0.331020257	0.58396191
cg14101442	11	0.00042688	0.27874574	0.530271489
cg08357895	5	0.00514604	0.19801971	0.449535159
cg04165337	8	0.0294297	0.439404794	0.690756543
cg11746048	11	0.00084375	0.327446568	0.578602474
cg06803420	5	0.00054116	0.225842751	0.476573854
cg20462493	5	0.00117667	0.309641119	0.55974322
cg14041701	11	0.00043325	0.259105374	0.508848597
cg15924102	1	0.00223463	0.329324932	0.578354941
cg26241893	5	0.00010542	0.373593502	0.621667897
cg20365566	13	0.03610059	0.341868954	0.589900683
cg06646139	4	0.00138064	0.157104579	0.404730968
cg01898377	20	0.00010668	0.308203945	0.555377178
cg23027179	5	0.00013692	0.223812312	0.469833294
cg21059878	4	0.00036524	0.419287803	0.663657442
cg21121082	11	0.00047914	0.176519211	0.420233821
cg14099845	19	0.00024559	0.308610822	0.551451906
cg22615203	13	0.0018158	0.320823495	0.559902694
cg07584582	22	0.00048329	0.286430842	0.525382408
cg17209471	22	0.00229627	0.311584107	0.550069747
cg19907293	2	0.00078871	0.396033556	0.633655063
cg15699099	2	0.00022303	0.296376163	0.533431358
cg23253674	6	0.00028216	0.376438743	0.613492045
cg14310533	12	0.00708426	0.419213879	0.655774939
cg08372212	10	0.00107005	0.294148778	0.530158783

cg13063274	3	0.00440581	0.237356297	0.472725342
cg06139749	7	0.00056571	0.20350912	0.438219007
cg12315995	15	0.00133236	0.14554141	0.379818701
cg13520053	9	0.0136962	0.239925602	0.472889825
cg12741572	18	0.00078986	0.311054582	0.543843751
cg14123436	9	0.00128421	0.268845864	0.501261559
cg07621853	2	1.50E-05	0.567767007	0.799912779
cg15257489	8	0.00116681	0.217116805	0.449223729
cg24990255	2	0.00128506	0.274119262	0.506167113
cg23864514	7	0.00710091	0.376379964	0.607813794
cg09578620	2	0.00326092	0.20410037	0.435273662
cg02332936	9	0.00795469	0.265989336	0.496730738
cg16213787	2	0.00584883	0.165153001	0.395572719
cg22699768	1	0.01222898	0.326796032	0.555854205
cg06653292	2	0.00020704	0.507441743	0.735725158
cg06213047	16	0.00556178	0.274988243	0.5027011
cg08818377	7	0.00043518	0.326630884	0.554328415
cg13055709	1	0.00032522	0.182603423	0.408843467
cg23340777	12	0.00967131	0.271543907	0.497774466
cg10421739	6	0.00043878	0.365881206	0.592069826
cg27584255	1	0.00873646	0.201703237	0.427676757
cg22840887	10	0.0022873	0.151495252	0.376532475
cg10541663	3	0.00430541	0.262004177	0.4868363
cg01128025	4	0.00031984	0.325441229	0.54999802
cg02274236	7	0.00441677	0.196278941	0.420667751
cg10251446	3	0.00130505	0.364308156	0.588239292
cg25402281	7	0.01818658	0.414661728	0.638568619
cg19504528	10	0.00049693	0.538842075	0.761621184
cg19990373	2	5.39E-05	0.234370543	0.457084463
cg13796936	1	0.00163744	0.20473248	0.427319353
cg01413548	6	0.00036469	0.311150619	0.53331638
cg19067025	15	0.00940324	0.387381355	0.609511801
cg11929693	5	0.00115876	0.50985158	0.731932124
cg19425295	11	0.00082972	0.389484166	0.611315788
cg24741744	18	0.00258976	0.259705688	0.480448363
cg27551395	1	0.00053308	0.468166899	0.688047573
cg03155825	7	0.00303663	0.26231096	0.482141548
cg01275133	16	0.00575112	0.196779485	0.416164578
cg09867546	6	0.00124607	0.236707606	0.456007343
cg11698445	5	0.00264937	0.158366861	0.377549913
cg22991039	21	0.00088647	0.348082124	0.567125302
cg11119301	12	0.00606257	0.139403018	0.358324254
cg16426034	11	0.00841867	0.246867342	0.465404983
cg18239481	10	0.00124622	0.244161583	0.462696941
cg00862307	18	0.01741944	0.428709581	0.646998952
cg25024515	12	0.00952611	0.254504054	0.472605243

cg25306875	2	0.00020144	0.272000422	0.489951208
cg03025413	8	0.00842728	0.464796235	0.682685833
cg10187894	10	0.00232152	0.354325997	0.572124941
cg09437523	16	0.00037006	0.452576557	0.670329571
cg02067239	16	0.00439235	0.246456208	0.464177913
cg17485988	7	0.00042784	0.290186945	0.507731558
cg15824962	1	0.02209131	0.197418978	0.414539615
cg08866876	8	0.00750603	0.200812846	0.417665801
cg15857051	14	0.00116103	0.164144473	0.38053358
cg15942368	7	0.00534824	0.400301761	0.61643157
cg18869244	17	0.00369301	0.19261768	0.408429538
cg26891237	6	0.00504154	0.134599556	0.349711973
cg27360992	22	0.0016533	0.243442995	0.458552627
cg00491577	2	0.0141442	0.245351574	0.460323568
cg21188409	3	0.00103065	0.305072438	0.518971344
cg07698336	11	0.00440142	0.299507088	0.513322442
cg08127108	2	0.00017261	0.31212543	0.524513463
cg11596779	5	0.00032283	0.322192418	0.534579062
cg14463995	9	0.00066009	0.270257027	0.482469094
cg13755270	3	0.00112537	0.234593046	0.446741916
cg01502811	16	0.00031979	0.538366351	0.750276319
cg21879236	5	0.01217074	0.161462862	0.37333375
cg19620668	7	0.00595327	0.202619682	0.413995702
cg01328703	3	0.00098689	0.405394344	0.616427111
cg26781392	6	0.00371748	0.454015405	0.664800403
cg17164513	19	0.00382404	0.295246312	0.505903396
cg00270974	6	0.0201855	0.152077214	0.362599221
cg12207367	2	0.00483827	0.169314192	0.379567729
cg14359798	11	0.02724097	0.39826349	0.608494042
cg02064798	4	0.00024445	0.352675889	0.56283277
cg21297366	6	0.00740671	0.530673323	0.740276319
cg09505233	10	0.002544	0.40507874	0.614639851
cg18767278	5	0.00135457	0.216955838	0.426214062
cg13307782	5	0.0009745	0.309502087	0.51822395
cg20208979	6	0.00148749	0.326692199	0.534834117
cg19516754	6	0.00066183	0.200886798	0.408963623
cg01099150	2	0.01547297	0.155081455	0.363107945
cg08549390	7	0.00383784	0.164983152	0.372159971
cg23751171	12	0.0008476	0.292971841	0.499830565
cg08787698	2	0.00499975	0.373592771	0.579782648
cg12019475	6	0.00603626	0.178666019	0.384688977
cg16572600	11	4.07E-05	0.241889639	0.447906091
cg07376067	1	0.01214237	0.477781381	0.683646548
cg19225953	19	0.04341877	0.327582435	0.533438296
cg16444826	2	0.00114543	0.213657775	0.418923799
cg09425032	19	8.88E-05	0.258632919	0.463778961

cg19595295	17	0.00104555	0.233809742	0.438304327
cg09326079	2	0.00328146	0.324417515	0.528689562
cg16757990	3	0.00152272	0.318278504	0.522311365
cg24683121	2	0.00216957	0.617476892	0.82149298
cg07950220	16	0.00545547	0.158807195	0.361809201
cg17793497	15	0.01282752	0.306905205	0.509553524
cg27411547	8	0.00157885	0.617575569	0.820102755
cg06228857	15	0.00282864	0.345008707	0.547389809
cg14191955	17	0.0004742	0.365547444	0.567764804
cg22244039	4	0.0122171	0.545625549	0.747801405
cg27511461	10	0.00041938	0.483539063	0.685620059
cg00271204	5	0.00035687	0.302287142	0.504201378
cg03371778	10	0.00042853	0.399951898	0.601558108
cg05686379	7	0.00758387	0.201098386	0.402393102
cg26207372	7	0.00997746	0.6434867	0.844730344
cg26366958	2	0.00108372	0.427304969	0.628370848
cg14833626	4	0.00406626	0.306961731	0.507714591
cg12809483	5	0.00721063	0.357211167	0.557497761
cg01269702	2	0.01213205	0.271492953	0.471662995
cg08550517	16	0.00468583	0.252579032	0.452240389
cg00196474	3	0.01265245	0.139873675	0.339529726
cg03994717	6	0.00358462	0.182751366	0.382284867
cg16036584	5	0.00647228	0.271560005	0.470258892
cg23756265	11	0.00048607	0.389588027	0.58824189
cg14060417	12	0.00969058	0.348233502	0.54650091
cg15317129	3	0.00201051	0.526756023	0.724853674
cg05881698	19	0.00053087	0.410222452	0.608218697
cg26070099	1	0.0108547	0.30198103	0.499455079
cg08082788	14	0.00633112	0.223316406	0.420429213
cg23172911	1	0.00195431	0.148310359	0.345324865
cg06814469	1	0.00014853	0.274821095	0.471739334
cg15765889	2	0.00613784	0.227303728	0.424173967
cg22282089	13	0.00153517	0.360925284	0.55758345
cg19480965	6	0.02100454	0.262907684	0.459530727
cg00866541	16	0.00177819	0.461932111	0.65849166
cg12201544	6	0.00064643	0.322466615	0.518930331
cg26072561	8	0.00156814	0.320505576	0.516794431
cg25943481	15	0.00027682	0.363471003	0.559681239
cg02518338	17	0.00861446	0.325067124	0.521208569
cg09148630	6	0.00025065	0.192201663	0.388321265
cg11378001	21	0.00024734	0.235313609	0.431028374
cg00092565	21	0.00872019	0.196597758	0.392135447
cg13534503	9	0.00023919	0.598384582	0.79384114
cg14377849	1	0.01923986	0.166766212	0.362162606
cg17419514	7	0.0018887	0.602753709	0.798075538
cg23992493	17	7.88E-05	0.326538981	0.521845107

cg26884359	17	0.00100923	0.188417034	0.383398629
cg00101940	16	0.0009112	0.268378682	0.463085166
cg10484693	10	0.00303663	0.191979759	0.386083787
cg13445230	9	0.01041302	0.165170141	0.359195588
cg13018639	14	0.01062722	0.495383704	0.689403014
cg05276184	15	0.01003612	0.140738818	0.334553765
cg03464765	11	0.00357975	0.544215202	0.738023138
cg16377959	5	0.0034773	0.162886053	0.3565941
cg23653492	12	0.01084747	0.279022426	0.472574596
cg07230078	4	0.00085778	0.250372429	0.44390197
cg10809958	7	0.02477624	0.381719132	0.575240966
cg12331004	2	0.01101316	0.259234536	0.452652434
cg02622846	11	0.02151372	0.342905473	0.536257184
cg05153781	14	0.00053403	0.208688419	0.401551357
cg16163174	6	0.00120572	0.408151213	0.6007686
cg05599759	20	0.00247022	0.253267484	0.445848559
cg09941601	16	0.00308431	0.25614834	0.448619489
cg07545858	16	0.01677269	0.402048418	0.594196584
cg03413253	12	0.00112414	0.526348517	0.718319366
cg19241927	1	0.0354391	0.333043091	0.524728554
cg05804846	11	0.00145306	0.16054205	0.351864797
cg04962865	8	0.02948008	0.174217942	0.365387494
cg04524475	13	0.00107722	0.317310585	0.508214573
cg00792968	13	0.00637775	0.445424827	0.635676812
cg14595617	2	0.00903564	0.260366593	0.450471513
cg20597127	1	0.0080276	0.256666908	0.446689712
cg00209612	4	0.015138	0.729911106	0.919802838
cg00847221	17	0.01627456	0.377234781	0.567051289
cg11466131	22	0.01121054	0.533278196	0.722631978
cg21964252	1	0.0042359	0.48461543	0.673852151
cg06151171	2	0.03635892	0.246750493	0.435873846
cg04245294	3	0.00334619	0.382013023	0.570653604
cg00782839	2	0.04432552	0.267181575	0.455688824
cg22375757	3	0.00113115	0.395390485	0.583540758
cg27657363	22	0.007168	0.319948923	0.507827773
cg08672919	6	0.00509959	0.341910798	0.529520962
cg04658679	12	0.04365791	0.286334218	0.47384619
cg24571086	10	0.00076067	0.269142245	0.45658211
cg04522792	8	0.01370239	0.145934134	0.333365013
cg26415787	12	0.00033097	0.218397176	0.405363752
cg25772185	10	0.01204815	0.174721633	0.361687106
cg04361019	2	0.00894942	0.185901944	0.372774605
cg16685313	1	0.00049849	0.209082293	0.395927431
cg08071329	6	0.02956344	0.585128878	0.771878227
cg27133959	3	0.03360602	0.354534232	0.540931509
cg17091056	2	0.00600972	0.225550571	0.411911528

cg27540865	1	0.00516737	0.115923494	0.302199304
cg20187173	3	0.02134293	0.123422606	0.309659487
cg12277789	10	0.00633663	0.309472119	0.495608789
cg23863157	4	0.00714669	0.342120965	0.528068448
cg02886375	8	0.01321273	0.409021222	0.594920487
cg15305352	6	0.0241325	0.212443123	0.398295685
cg12107466	10	0.00133684	0.49574549	0.681517984
cg10992465	1	0.00628016	0.151142915	0.336894079
cg13253210	10	4.66E-05	0.246372456	0.432047057
cg26710983	16	0.00573878	0.360223912	0.545812646
cg16864819	11	0.00459185	0.473477695	0.658977721
cg11073813	6	0.00722241	0.18537194	0.370768073
cg20101110	11	0.0331778	0.283024779	0.468382486
cg03624438	3	0.00399212	0.302637214	0.487873738
cg02370923	2	0.02681045	0.22593946	0.411162826
cg12109883	15	0.00598478	0.221345409	0.406225543
cg06801658	20	0.02429852	0.425810816	0.610299939
cg18169505	4	0.00039285	0.318220174	0.502399056
cg14380474	1	0.01908379	0.503215075	0.687167626
cg21917512	2	0.02197452	0.22251318	0.406450026
cg08037719	1	0.00823662	0.450772791	0.634531575
cg17427675	5	0.00664068	0.432042158	0.615784944
cg15065627	2	0.00817966	0.221584406	0.404957625
cg27438754	16	0.02071005	0.267453207	0.450636385
cg19704902	2	0.00158276	0.126200593	0.309189785
cg03819089	2	0.02792649	0.446877677	0.629787589
cg08873746	2	0.00035355	0.514516802	0.697016384
cg24384120	10	0.00929665	0.164621804	0.346644524
cg24465592	11	0.00657534	0.591725922	0.773682854
cg01803461	16	0.00148089	0.206117712	0.387673658
cg05021291	2	0.03508157	0.45445365	0.635698232
cg19109570	18	0.01598433	0.443362131	0.624515204
cg04536588	10	0.00432281	0.39430225	0.575403769
cg22968789	15	0.00184995	0.220365921	0.401398722
cg26343563	12	0.00116882	0.292732188	0.473680359
cg08959094	16	0.00125972	0.253951767	0.434802053
cg08918272	6	0.03950518	0.141043394	0.321519139
cg13298632	2	0.00907629	0.692049628	0.872459268
cg12389397	1	0.00156854	0.412964822	0.593096838
cg00259279	1	0.00260757	0.346313135	0.526232542
cg19771350	11	0.01310323	0.480600898	0.660488923
cg16588492	12	0.0024566	0.328740372	0.508455848
cg01081168	1	0.02508185	0.244657005	0.42433065
cg00271177	3	0.00970296	0.175053072	0.354587208
cg06238004	17	0.00201025	0.20254962	0.381777287
cg09807446	16	0.00809663	0.33030985	0.509518699

cg06453241	2	0.00238204	0.163456242	0.342642256
cg14962025	11	0.01775113	0.473411108	0.65251467
cg25109508	1	0.01213112	0.168790964	0.347784566
cg08488569	4	0.00451183	0.228874084	0.407865335
cg00540400	15	0.03378918	0.361416884	0.540194687
cg19547330	5	0.00411471	0.224456863	0.403155486
cg05959932	6	0.03148216	0.355354673	0.534018632
cg01766505	17	0.03741429	0.370770208	0.549328561
cg16016888	2	0.02797248	0.584889921	0.763444596
cg02327773	7	0.02868718	0.151375703	0.329849606
cg12204974	5	0.00375393	0.43507253	0.613280703
cg08954863	10	0.00030547	0.49039685	0.668574455
cg22680536	4	0.0027624	0.237172056	0.415038808
cg19742687	11	0.00200052	0.345190311	0.523018084
cg21408197	2	0.02765925	0.156906292	0.334643363
cg17870997	2	0.00062583	0.345003322	0.522696571
cg25912037	2	0.02204761	0.174813734	0.352330929
cg23858650	12	0.01883768	0.209620756	0.387075232
cg09788978	16	0.00055517	0.285024449	0.462451715
cg26811425	16	0.00041304	0.164322985	0.341494134
cg21386766	12	0.00238823	0.439619142	0.616572203
cg25249728	2	0.00988647	0.173505687	0.35038389
cg17432647	5	0.01556405	0.356525578	0.532802067
cg01095004	16	0.00011579	0.257398749	0.433596639
cg26047066	1	0.00046086	0.356605761	0.532745697
cg17635080	12	0.00310968	0.375448618	0.551532686
cg07066163	16	2.83E-05	0.596833467	0.772898117
cg09007841	16	0.00049054	0.241112994	0.417049583
cg07765595	16	4.99E-05	0.359463411	0.535303323
cg18992570	5	0.00031131	0.271670571	0.447382632
cg04029134	17	0.01798767	0.644266168	0.819761252
cg07095818	20	0.00158423	0.187696479	0.36298499
cg05917797	14	0.03797016	0.092449671	0.267379711
cg20481247	10	0.00250518	0.533965319	0.708830124
cg24537275	17	0.00099629	0.485648022	0.660424367
cg06271720	2	0.04425639	0.198840643	0.373595854
cg11826295	10	0.00053147	0.412534664	0.587224274
cg03209398	2	0.00298084	0.180193426	0.35487712
cg05382185	6	0.02007157	0.4535734	0.628245902
cg25601481	6	0.000313	0.373078795	0.547594932
cg16020437	12	0.01706117	0.115500803	0.289869806
cg20098468	8	0.01768026	0.260631375	0.434890943
cg00594191	10	0.00056713	0.167684653	0.341897773
cg19629079	12	0.02137739	0.31951096	0.49352886
cg07531093	8	0.01551298	0.177601471	0.351425446
cg01263407	10	0.01008176	0.290464266	0.464259494

cg04690342	2	0.02648908	0.207883463	0.381566462
cg14961690	11	0.02423107	0.280166419	0.45365365
cg11932575	4	0.03980585	0.212041843	0.385408464
cg21463446	8	0.00251421	0.510419301	0.683643138
cg10354926	13	0.00723982	0.269439112	0.442635552
cg25232786	3	0.01207711	0.573797662	0.746900967
cg27423739	3	0.00086149	0.196368128	0.369458041
cg16455376	16	0.00047682	0.192364113	0.365435354
cg07478240	16	0.00035687	0.196063079	0.369068692
cg11936809	8	0.00639635	0.362628539	0.535566863
cg24916055	6	0.00338476	0.692528737	0.86538247
cg15339026	13	0.00739236	0.107707331	0.2804697
cg16600876	8	0.01454168	0.268764649	0.441486394
cg00459898	2	0.00612461	0.171061289	0.343764535
cg20824201	2	0.00123056	0.345486821	0.518136464
cg21240684	2	0.00085286	0.427385495	0.600013191
cg22183373	4	0.04477384	0.503090763	0.675702587
cg03055271	1	0.00563984	0.351552653	0.524161236
cg07818978	15	0.00667541	0.235317403	0.407878721
cg04152616	16	0.00577668	0.128594236	0.301149932
cg02807786	12	0.00212219	0.515845435	0.688340485
cg05098589	10	0.00078528	0.624764385	0.797259177
cg20741418	11	0.00391736	0.26465658	0.437111863
cg09501314	15	0.00229967	0.174891839	0.347264728
cg07593205	10	0.00230022	0.187608601	0.359819347
cg25114855	2	0.00016369	0.628658706	0.800865266
cg04251886	14	0.00833362	0.459425516	0.631595093
cg01387072	4	0.00027597	0.326228607	0.498350621
cg25695992	2	0.00526261	0.528270919	0.700355535
cg14390263	9	0.01997565	0.174516322	0.346309344
cg02084467	17	0.00688465	0.16807943	0.339801546
cg00549064	16	0.00479718	0.110636796	0.282312315
cg26853787	2	0.02100755	0.31741071	0.489037641
cg09814448	1	0.01420283	0.338849919	0.510433151
cg15337521	5	0.00113396	0.549513597	0.721076274
cg01099300	10	0.00886131	0.163068163	0.334610177
cg27107963	18	0.00796668	0.326562608	0.49795663
cg08026493	8	0.00022296	0.371046678	0.542351535
cg03665255	6	0.02381159	0.248099065	0.419379219
cg02516703	5	0.00373228	0.387088579	0.558040581
cg23487517	11	0.0325064	0.189544843	0.360428873
cg06089606	3	0.00266459	0.24749041	0.41831767
cg11680908	5	6.24E-05	0.674461077	0.845246215
cg00615941	3	0.00174521	0.4254726	0.596148555
cg25149122	18	0.00174009	0.349195709	0.519853119
cg12551394	12	0.00112291	0.484429993	0.655081211

cg17969662	1	0.003782	0.513737511	0.684382012
cg13454978	8	0.0051816	0.374471455	0.544935582
cg09197279	2	0.00237958	0.27390233	0.444327952
cg18553570	12	0.01416111	0.158094724	0.328289374
cg03656290	4	0.00133039	0.18357713	0.3537604
cg26373051	2	0.00831294	0.191714933	0.361861508
cg14462369	6	0.00641806	0.32460713	0.494594848
cg03343669	2	0.00262792	0.276442631	0.446320366
cg13385601	15	0.0086579	0.172761023	0.342538307
cg01394884	4	0.00286291	0.168138987	0.337817799
cg05932560	16	0.00435994	0.156627838	0.326026523
cg26573923	16	0.00793665	0.395186694	0.564547957
cg15920561	14	0.02877029	0.40106081	0.570381575
cg01765623	17	0.00420023	0.166553564	0.335841489
cg26703511	21	0.00127731	0.356406156	0.525625155
cg08474521	7	0.00158381	0.286726286	0.455944105
cg09214892	16	0.00290892	0.56069234	0.729909341
cg07148025	5	0.00355209	0.135594358	0.304809172
cg15360478	2	0.01980539	0.237513256	0.406518407
cg20545907	5	0.03389055	0.335758539	0.504697662
cg02305412	1	0.00818325	0.406808764	0.575734566
cg22374586	2	0.0018825	0.208126816	0.377013118
cg10624395	11	0.00979285	0.217833515	0.386547534
cg08819431	5	0.01747661	0.11173314	0.280361933
cg27317919	7	0.0027947	0.340209715	0.508437404
cg26057577	2	0.00174366	0.222782116	0.390995244
cg04313941	15	5.62E-05	0.614517069	0.782728637
cg06144418	2	0.00947938	0.549744513	0.717826865
cg10334741	11	0.00092056	0.161769159	0.329809885
cg18758281	2	0.01682139	0.20818796	0.376220956
cg03585720	1	0.0391804	0.511258713	0.679195976
cg10476950	7	0.00153278	0.607273035	0.775100247
cg23608384	13	0.00352282	0.487802774	0.655507131
cg06720014	1	0.01179822	0.41204386	0.579595216
cg17141972	6	0.00013939	0.638537547	0.805838239
cg14482712	15	0.00106516	0.319195471	0.486456764
cg01433527	7	0.00420438	0.389959668	0.557140412
cg08653258	3	0.0390846	0.340879052	0.507901241
cg10658307	11	0.00554484	0.158625513	0.325403823
cg16469927	5	0.01617384	0.334119705	0.500806385
cg25769127	3	0.00191593	0.3470375	0.513650492
cg21470704	2	0.0134749	0.34755838	0.514135335
cg17504641	10	0.00031671	0.320707097	0.487192239
cg02681163	8	0.00572897	0.375979357	0.542350683
cg03262260	16	0.00021385	0.204311055	0.370567172
cg05753629	1	0.00415102	0.428462346	0.594601498

cg16139202	5	0.00137133	0.221550671	0.387655731
cg14111437	5	0.04373718	0.140980753	0.306915701
cg05199904	5	0.00165354	0.148017083	0.313888516
cg11411968	3	0.00024261	0.527641072	0.693464344
cg19290938	11	0.00021379	0.381802305	0.547558464
cg16937583	3	0.00186668	0.34447745	0.510192476
cg21545013	1	0.00022924	0.284037619	0.449725052
cg14360029	9	0.00408772	0.146774313	0.312447954
cg12146763	17	0.00359478	0.169692466	0.335251642
cg09274961	16	0.03225498	0.360000496	0.525271282
cg02642891	10	0.00679871	0.468489312	0.633737989
cg24930059	17	0.00294589	0.188382577	0.353612886
cg13935765	9	0.00043878	0.499487005	0.664340071
cg06193628	2	0.00237407	0.336695357	0.501403266
cg01481978	16	0.01095686	0.307800347	0.472487713
cg21284524	6	0.0131787	0.452289325	0.616963146
cg18451016	1	0.0006377	0.128733175	0.293281541
cg27230594	1	0.00028483	0.262880075	0.427336158
cg09256716	17	0.02313473	0.13305453	0.297480168
cg08305808	15	0.00705398	0.161398255	0.325749077
cg04914930	13	0.00940494	0.1802532	0.344561786
cg22303083	8	0.02272702	0.323324678	0.487595504
cg13391028	11	0.01165505	0.148505606	0.312744616
cg19763682	13	0.00161376	0.477768261	0.641903467
cg16425161	15	0.01097323	0.339973155	0.504087858
cg00688246	3	0.02483862	0.137827252	0.301884804
cg17777603	8	0.04697944	0.527506759	0.691516022
cg01984854	16	0.00069402	0.294136577	0.458126648
cg19411952	8	0.01059642	0.179519072	0.34343116
cg09548241	1	0.00218992	0.128944563	0.292851914
cg04127867	7	0.00017449	0.476593785	0.640432963
cg16206344	6	0.00882861	0.35627988	0.519772264
cg02347249	12	0.01254292	0.37474159	0.538119896
cg02383285	6	0.00063697	0.231948642	0.39531563
cg09320079	16	0.01545587	0.193832524	0.357005173
cg22725830	13	0.00303084	0.326789438	0.489953787
cg08326300	10	0.02079082	0.164669403	0.327774172
cg05928033	1	8.88E-05	0.232138681	0.395034368
cg14327359	2	0.00423044	0.366974103	0.529856634
cg19248958	10	0.0142226	0.56783821	0.73069969
cg20650914	13	0.04062673	0.485147005	0.647953895
cg09296742	14	0.03172666	0.273272903	0.436014431
cg06626168	8	0.01823359	0.2083639	0.371057597
cg07909444	17	0.00377233	0.400932352	0.563540344
cg16322269	8	0.00171093	0.453918578	0.616496012
cg25203310	8	0.00595297	0.461595511	0.624153671

cg03742250	17	0.00967567	0.270101152	0.432583301
cg14706297	2	0.00015619	0.132584549	0.29502125
cg06761167	16	0.00116819	0.292547955	0.454944727
cg06389605	6	0.00933407	0.225825289	0.388106631
cg08390381	16	0.00157943	0.6890521	0.851218935
cg07220149	17	0.00657201	0.268668663	0.430762026
cg17516571	8	0.01288878	0.272328815	0.434359855
cg04609694	6	0.01769546	0.253207002	0.415216897
cg10410412	10	0.00794825	0.313341381	0.475273153
cg07482222	19	0.01159694	0.425228561	0.587147534
cg26702098	8	0.00645187	0.41012735	0.571987895
cg03221837	16	0.01119909	0.321682632	0.483534356
cg12030226	11	0.00308468	0.196045919	0.35779335
cg10783149	14	0.00441754	0.260021373	0.421695142
cg17723381	12	0.01165628	0.142788269	0.304434024
cg02800216	2	0.00050134	0.334999564	0.496550599
cg12499062	18	0.00141659	0.281299005	0.44247929
cg01915328	14	0.00861933	0.125083749	0.286258353
cg17540450	13	0.02361514	0.312119307	0.473180467
cg00506828	4	0.01516097	0.550658962	0.711666206
cg14297340	9	0.02478826	0.166388538	0.327312647
cg02506248	12	0.03001281	0.259720448	0.420643607
cg24690715	20	0.0275998	0.349508889	0.510366822
cg20244327	10	0.01573013	0.127686452	0.288322206
cg18384190	10	0.0159821	0.400180413	0.560786622
cg10903132	10	0.00813425	0.539775375	0.700362715
cg01230988	17	0.01265978	0.224205489	0.384744197
cg03595986	8	0.03748256	0.255798005	0.41629671
cg02433979	7	0.00315105	0.250561705	0.411035112
cg10506844	10	0.0068242	0.278486073	0.438827945
cg00997998	14	0.00082972	0.620224472	0.780477795
cg10114877	2	0.03449503	0.370314748	0.530536866
cg13647973	19	0.00078109	0.281458961	0.4416021
cg01536979	8	0.00374113	0.211110302	0.371041671
cg08264835	1	0.01731304	0.438835906	0.598747885
cg05777602	16	0.00626282	0.546482572	0.706262882
cg02307664	2	0.00370689	0.409411261	0.569148296
cg03096954	16	0.0021702	0.323771554	0.48339915
cg25526960	10	0.0082438	0.272354878	0.431954936
cg00909401	2	0.00103015	0.557813211	0.717367545
cg02470587	12	0.0019262	0.104060551	0.263495248
cg18064917	2	0.01479966	0.4508603	0.610292395
cg01385708	16	0.00642881	0.132237709	0.291587367
cg16063018	12	0.01126116	0.370062991	0.529391007
cg11286742	3	0.00819868	0.58460823	0.743913958
cg21034034	2	0.02354711	0.162213251	0.321382578

cg06575772	8	0.00046607	0.554969694	0.714127879
cg00016238	1	0.00273942	0.655183236	0.813949629
cg23332827	11	0.00262326	0.307697557	0.466391422
cg24030485	13	0.00700422	0.359401134	0.517736575
cg21920167	14	0.04883066	0.455506089	0.613784371
cg03810376	1	0.01613035	0.158742088	0.317012603
cg10174683	16	0.00124465	0.371491817	0.529710244
cg12684999	2	0.00398915	0.298538731	0.456740848
cg19499614	17	0.00906254	0.17169328	0.329894663
cg04132407	7	0.02049237	0.203046222	0.361244409
cg04852323	16	0.00095615	0.450955075	0.609091327
cg23418467	4	0.00011804	0.190229415	0.348325169
cg18985738	11	0.01814858	0.164917813	0.322898536
cg23201188	3	0.03612465	0.365471053	0.523421323
cg27022420	17	0.00069541	0.528096843	0.685575351
cg05998301	2	0.01828307	0.438660815	0.596029518
cg25051510	12	0.00159069	0.374477438	0.531745104
cg14326909	6	0.02386295	0.310526115	0.467751234
cg18749015	6	0.0003122	0.138021978	0.295227334
cg14951856	10	0.00070928	0.487415053	0.644593124
cg26345916	3	0.00109596	0.161675229	0.318850477
cg25430713	2	0.00406031	0.222286603	0.379442131
cg18833994	5	0.01031088	0.352726794	0.509761473
cg12518626	4	0.01404071	0.670071321	0.826911254
cg22501483	7	0.01636327	0.3639136	0.520731393
cg20743628	7	0.03200399	0.243393191	0.400151671
cg27596297	10	0.02287447	0.144621102	0.301334098
cg03970900	1	0.00259092	0.167441836	0.324149411
cg03512577	16	6.44E-05	0.193131501	0.349832527
cg18542967	7	0.0499217	0.156241088	0.312926156
cg09772333	19	0.00538523	0.278740503	0.435406484
cg07879474	5	0.00749355	0.274935342	0.431580056
cg27614376	3	0.01778595	0.360749286	0.517387699
cg10525394	6	0.00026681	0.409980952	0.566538506
cg01072388	16	0.01586899	0.222488952	0.379015066
cg14523804	17	0.01585655	0.559668118	0.716170553
cg15294263	21	0.0004429	0.267251273	0.423386873
cg09223687	4	0.00105217	0.226944959	0.382802268
cg24926185	1	0.04059349	0.4603945	0.616237467
cg19359940	13	0.02508092	0.520857933	0.676666581
cg25556051	4	0.02044491	0.428728281	0.584529902
cg05540639	16	0.00541073	0.242227331	0.397850288
cg07126126	16	0.01557177	0.586822008	0.74242416
cg19363785	8	0.0143658	0.493245636	0.648826857
cg20073893	14	0.0013563	0.408337702	0.563896649
cg23681616	17	0.00232764	0.596025866	0.751525413

cg11219976	12	0.00367549	0.412621887	0.568036032
cg00927503	2	0.00211172	0.615688292	0.771095812
cg19699170	2	0.00539678	0.336989914	0.492343875
cg19112357	3	0.00043254	0.353406985	0.508693514
cg17082026	13	0.01198419	0.47347641	0.628475131
cg26159128	4	0.03389477	0.148917487	0.303761314
cg22143274	5	0.00944026	0.449448547	0.604279124
cg00423598	7	0.0266375	0.352716276	0.507478358
cg26785370	17	0.00404881	0.342932855	0.497576298
cg18879198	2	0.00756364	0.393918656	0.548553393
cg10031989	16	0.00950148	0.192705477	0.347293217
cg07579884	14	0.01943424	0.350353156	0.504825004
cg05225634	6	0.0004767	0.303685709	0.458141636
cg13697968	13	0.00341055	0.347824011	0.502108081
cg23844085	18	0.00899978	0.26347545	0.417655578
cg22992137	2	0.00513721	0.538743258	0.692874505
cg07467854	3	0.02608737	0.150271754	0.304242913
cg25552018	1	0.03579894	0.403415699	0.557208782
cg08057411	16	0.00296781	0.466482837	0.620256567
cg22919538	3	0.00574146	0.573269628	0.726990514
cg21351437	4	0.02389346	0.337676401	0.491303348
cg15135803	1	0.00961667	0.12047316	0.273998778
cg18712566	13	0.0332966	0.407319169	0.560826701
cg08055994	2	0.00297953	0.416593893	0.56993651
cg17077180	1	0.00040104	0.24401476	0.397205087
cg17451493	10	0.00108886	0.571725446	0.724903385
cg14574066	11	0.00329335	0.183053188	0.336189645
cg24296187	1	0.01507245	0.160979419	0.314095995
cg20683802	5	0.00093073	0.348879909	0.501964072
cg16893634	3	0.00617178	0.17798837	0.331028548
cg24527636	1	0.01428091	0.223678756	0.376685675
cg01558281	1	0.00161602	0.230815431	0.383660227
cg02451502	13	0.00473877	0.186910159	0.339692755
cg24516106	2	0.00879278	0.182259758	0.335005944
cg11394820	2	0.00069592	0.278764707	0.43149926
cg24453604	1	0.04804218	0.206787589	0.359515588
cg14709069	5	0.01364635	0.690836362	0.843312834
cg14256511	12	0.00328681	0.543484464	0.695952384
cg04130549	6	0.00289647	0.159829664	0.312225056
cg16311740	3	0.00143371	0.357254718	0.509527055
cg08374552	5	0.00258393	0.406122229	0.558350475
cg06002476	3	0.0213434	0.327510789	0.479712945
cg15556591	4	0.00168317	0.316567613	0.468722887
cg09089118	7	0.0070536	0.311577156	0.463690502
cg01215742	16	0.00214331	0.163802821	0.315913736
cg00491530	12	0.00052338	0.460269228	0.612338261

cg02249233	2	0.00561946	0.365067891	0.517124222
cg14445366	17	0.00892184	0.317105353	0.469135336
cg24828316	2	0.01600618	0.13742092	0.28944941
cg26699655	11	0.02661859	0.183030158	0.335039076
cg20267580	1	0.00339971	0.270547034	0.422365311
cg12313892	15	0.00890582	0.224997575	0.376766196
cg05339976	2	0.00198145	0.325585741	0.477303986
cg07208172	1	0.0012557	0.503834172	0.655494206
cg03548062	14	0.00817507	0.195602399	0.347253985
cg12320986	6	0.00040965	0.225111365	0.376691392
cg14799129	3	0.00390123	0.532529649	0.684021163
cg13821914	11	0.00084786	0.246987231	0.398418217
cg04607671	16	0.00046184	0.436374082	0.587760494
cg00051307	5	0.0399737	0.416125224	0.567375315
cg01250141	7	0.00484804	0.658066426	0.809108868
cg21464704	6	0.0104471	0.152364532	0.303300912
cg23101632	2	0.01775944	0.126869492	0.277765825
cg01550810	1	0.01501401	0.594113671	0.744959234
cg20944521	14	0.00341966	0.534301409	0.685127579
cg14883605	14	0.01473381	0.277772134	0.428584954
cg11818127	12	0.00036111	0.151973076	0.302719162
cg01477361	2	0.0004367	0.654198704	0.804878438
cg00286119	8	0.023161	0.227926417	0.378594391
cg00317585	4	0.00132552	0.3563153	0.506799069
cg09267467	1	0.00177863	0.177499514	0.327948202
cg15417287	12	0.00128089	0.154908096	0.305319514
cg00366236	17	0.01905987	0.412233708	0.562620389
cg14125530	12	0.00426298	0.173941204	0.3242941
cg24720604	5	0.02160213	0.178334246	0.328680535
cg11707796	13	0.00317096	0.284818968	0.435097555
cg23226249	1	0.01018774	0.282267321	0.432502117
cg08243094	1	0.01920257	0.426126584	0.57634297
cg03743262	7	0.0165527	0.201719824	0.351914948
cg27415425	8	0.01876444	0.438266236	0.588377288
cg04063906	7	0.01051839	0.532929196	0.682971243
cg14705155	6	0.00243511	0.368849514	0.518877654
cg06233186	12	0.01814154	0.292049497	0.441988185
cg20387391	4	0.00201752	0.29124456	0.44113486
cg02711510	16	0.03361904	0.094331044	0.244023915
cg26107642	5	0.0355684	0.270963467	0.42065538
cg23003225	3	0.02796093	0.486556085	0.636242074
cg07197092	2	0.00864767	0.501918956	0.651597519
cg15419378	17	0.00399597	0.546173473	0.695825902
cg00624589	16	0.00107058	0.326004091	0.475609686
cg16528596	16	0.00133957	0.258681052	0.408270253
cg27177808	1	0.02089663	0.238011643	0.38755943

cg09056876	6	0.00185104	0.221007286	0.370301032
cg15506703	2	0.02597501	0.322674115	0.471663405
cg17008160	1	0.00381556	0.515333019	0.664304571
cg00527307	13	0.00911213	0.597401715	0.746249701
cg22761483	2	0.03948248	0.40865973	0.557342322
cg10088622	1	0.02949516	0.124833335	0.273464335
cg01571001	3	0.00036077	0.19749884	0.346108254
cg06123700	1	0.01318832	0.219954866	0.368443098
cg09502464	7	0.03414869	0.243344483	0.391831812
cg14200631	14	0.00445744	0.352928431	0.501372187
cg06984848	16	0.00222705	0.180879935	0.329232895
cg10263737	16	0.00279035	0.339352559	0.487687648
cg07554408	14	0.03388197	0.209053649	0.357350361
cg00043444	6	0.03081327	0.518776781	0.667064974
cg00583861	1	0.00340662	0.201269346	0.349556597
cg13604150	21	0.0108015	0.668875705	0.817087873
cg11254532	1	0.00195698	0.302692316	0.450871479
cg25428177	4	0.00463988	0.226640713	0.374818573
cg15171155	3	0.00074104	0.546672323	0.694826881
cg13235761	1	0.00534964	0.184584858	0.332687806
cg24691330	8	0.00266848	0.549371111	0.697317073
cg04143592	16	0.01158712	0.197586032	0.345451055
cg22225179	17	0.04151854	0.363387662	0.511216484
cg08691159	16	1.85E-05	0.385328375	0.533147743
cg20219172	17	0.0002122	0.453489923	0.601266491
cg11407801	1	0.00061887	0.567693799	0.715451756
cg25920857	3	0.00280155	0.398263952	0.546017978
cg20778022	7	0.00299206	0.577231415	0.724954132
cg26986629	2	0.01766129	0.274306268	0.421927262
cg00562598	17	0.00059176	0.463184881	0.610798776
cg08798244	10	0.00543371	0.258108314	0.40565237
cg04879750	12	0.00045961	0.234556331	0.382094572
cg15197458	19	0.00586884	0.398468866	0.545934404
cg11792824	6	0.00938325	0.418612424	0.566055317
cg17223748	11	0.00011921	0.237568657	0.384787843
cg06351537	22	0.00642499	0.276963855	0.424178471
cg19735151	10	0.01967046	0.45769619	0.604861217
cg01089914	2	0.01375966	0.28658226	0.433623309
cg14130595	9	0.00017998	0.205444809	0.352357949
cg19419246	19	0.00197009	0.36481348	0.51159373
cg23899450	2	0.00142275	0.435137951	0.58179267
cg01962750	2	0.02706264	0.384119916	0.530767155
cg10717691	1	0.00745113	0.249113426	0.395616251
cg00931957	1	0.00621251	0.583663194	0.730064001
cg27219972	16	0.01160468	0.20221543	0.348600833
cg02632742	2	0.02917469	0.5352	0.681558862

cg13482375	17	0.00854462	0.198763874	0.345087786
cg24335092	3	0.02173311	0.188214104	0.334527709
cg15010140	2	0.00670264	0.493196304	0.639378275
cg12418043	5	0.00571255	0.402917058	0.549052912
cg25317631	11	0.00167449	0.189725184	0.335804366
cg09571082	6	0.00183331	0.220692356	0.366705509
cg05210480	7	0.00357456	0.28774805	0.433750692
cg03474525	6	0.01749051	0.428525352	0.574514423
cg10299610	8	0.00839953	0.523323269	0.669299782
cg21034531	17	0.02624572	0.679848594	0.825742596
cg07099073	6	0.01006342	0.666055173	0.811945854
cg00632007	6	0.01037743	0.565047371	0.710899703
cg16385029	1	0.03028616	0.150598322	0.296445537
cg10338232	14	0.00833362	0.642281974	0.788040379
cg26655004	13	0.00303036	0.703280635	0.848994836
cg12977346	8	0.01656196	0.26267635	0.408375246
cg11484721	15	0.00237678	0.294491334	0.44007545
cg16675872	8	0.04508165	0.169110857	0.314689097
cg27338109	16	7.01E-05	0.412078252	0.557635862
cg25189681	8	0.00322539	0.244387875	0.389865269
cg17466474	1	0.01268602	0.24225548	0.387680035
cg25575845	7	0.01179961	0.452533995	0.597955905
cg09697697	17	0.01272657	0.226891001	0.372308286
cg09721423	6	0.03931981	0.481775514	0.62717063
cg19994159	13	0.01110407	0.337020146	0.482377894
cg24184919	3	0.02715485	0.156920333	0.302252788
cg04239863	16	0.00550892	0.37344783	0.518704366
cg06162751	12	0.0085982	0.1930624	0.338308443
cg23623851	3	0.00126955	0.278252919	0.423451617
cg12354056	3	0.00050351	0.423915997	0.569095071
cg20062681	11	0.01409061	0.423220094	0.568298599
cg14732815	6	0.01628553	0.20761121	0.352577791
cg02263444	5	0.0025252	0.363256769	0.50821634
cg14605447	9	0.00635244	0.138572057	0.283472471
cg08608240	16	0.00313066	0.173752206	0.318601572
cg05123755	7	0.02913871	0.70533377	0.850154563
cg02656871	16	0.0003638	0.198722196	0.343524651
cg26843278	10	0.00037656	0.449599358	0.594376324
cg18516125	6	0.04501759	0.723462095	0.868234622
cg10149870	2	0.04704869	0.201882518	0.346525961
cg05184395	6	0.00331082	0.134135157	0.278737253
cg14621350	12	0.02289938	0.569942216	0.714468573
cg23819144	10	0.00112269	0.593390161	0.737910895
cg16155923	6	0.00685233	0.373153708	0.517583423
cg13476964	7	0.01238904	0.577283055	0.721647948
cg19265546	7	0.00016884	0.558490543	0.702830005

cg01369207	2	0.00149495	0.458250121	0.602546394
cg03291548	22	0.01432635	0.382015696	0.526285356
cg00017826	2	0.00457147	0.162571109	0.306816933
cg18200075	1	0.00402566	0.350639435	0.494878952
cg03760457	15	8.49E-05	0.18111854	0.325352563
cg26097711	15	0.03425843	0.170398353	0.314611975
cg05711023	3	0.01038465	0.638327049	0.782503484
cg17270887	12	0.03643268	0.504214423	0.648332826
cg04507945	1	0.0071726	0.685105681	0.829160719
cg19988235	2	0.00401309	0.314246715	0.458281258
cg11804725	3	0.01449728	0.100705171	0.244685191
cg18648169	12	0.00014645	0.226092703	0.370068103
cg06179152	16	0.00107005	0.159869705	0.303801483
cg18682731	10	0.00610759	0.267304579	0.411151933
cg17211890	10	0.02422915	0.632415301	0.776195468
cg04848137	8	0.02658029	0.184099637	0.327843609
cg21118819	1	0.00215713	0.244245238	0.387956296
cg06925882	16	0.00011804	0.275873933	0.419539753
cg03858917	11	0.0032554	0.146851451	0.290400599
cg02490659	9	0.00191332	0.287835958	0.431176266
cg26611650	16	0.00237671	0.415664861	0.558926309
cg19298400	17	0.00343518	0.408742676	0.552002647
cg19587537	15	0.02328567	0.548216485	0.691446286
cg08046411	11	0.01493527	0.534236519	0.677454635
cg21129181	5	0.00348344	0.20691826	0.350080666
cg06597413	11	0.00459185	0.405359172	0.548501099
cg02962647	6	0.00078633	0.447848772	0.59097446
cg15084766	12	0.04497452	0.480369337	0.623406748
cg03116409	12	0.01478644	0.389620534	0.532537134
cg01905690	14	0.005274	0.199344782	0.342256785
cg05783384	2	0.00266568	0.244424676	0.387324086
cg22521263	4	0.00035687	0.268418388	0.411271192
cg10626792	11	0.00485833	0.427893438	0.570739196
cg13959014	9	0.00182694	0.626373996	0.769216641
cg16106254	12	0.03243663	0.182245236	0.325048784
cg23086519	14	0.00798914	0.17296841	0.315698022
cg18121989	8	0.00596341	0.147165798	0.289738839
cg05565697	15	0.0012987	0.46111693	0.603688563
cg01021196	14	0.01100296	0.212095337	0.35463876
cg04379409	6	0.00246746	0.667126788	0.809657461
cg09560533	2	0.00437567	0.114189053	0.256701145
cg18913924	7	0.00261321	0.454707912	0.597166043
cg12228061	12	0.04907974	0.35975864	0.502204243
cg23660866	14	0.00018977	0.243437621	0.385853429
cg10492240	4	0.00230565	0.241759502	0.384173739
cg05155038	5	0.00281272	0.522185061	0.66447919

cg14779327	7	0.00302372	0.56600714	0.708253097
cg07928883	7	0.01664179	0.314629891	0.45673679
cg18745317	5	0.00821782	0.442422399	0.584359486
cg08029969	16	0.00078041	0.307453766	0.449305638
cg25367559	12	0.00263766	0.118371277	0.260184724
cg06260709	20	0.00043164	0.204630524	0.346425568
cg09937500	2	0.00790208	0.151287692	0.293011873
cg02852847	1	0.00981543	0.568995249	0.710653209
cg19888684	7	0.04735797	0.239709584	0.381314993
cg12474686	10	0.00324413	0.627248896	0.768812753
cg02574863	3	0.01803167	0.423585912	0.565140681
cg26330928	1	0.02965826	0.311856274	0.453402521
cg02243157	2	0.03034423	0.497668501	0.639169431
cg21776813	3	0.00145594	0.23013667	0.37154952
cg08301211	6	0.00591619	0.552252071	0.693664571
cg11423680	5	0.00269344	0.154310099	0.295703898
cg18774857	15	0.03310994	0.196078435	0.337424528
cg18220365	1	0.01022347	0.486401476	0.627712791
cg19891924	5	0.00144336	0.158701103	0.299921748
cg23200818	12	0.00171238	0.239807344	0.381001562
cg17500962	16	0.00063401	0.55301963	0.694188002
cg20384325	15	0.0001657	0.574419817	0.715565054
cg22607164	3	0.00104872	0.166512406	0.307507467
cg15945475	11	0.00078633	0.351895736	0.492860316
cg13406593	9	0.00408448	0.273753174	0.414683552
cg08362283	16	0.00019673	0.183327533	0.324226545
cg13750214	19	0.00018309	0.291659459	0.432511138
cg21924472	4	0.00032559	0.457055236	0.597843286
cg02683621	7	0.00104615	0.516232041	0.657007517
cg27366617	18	0.00566325	0.229240032	0.369937782
cg17479898	1	0.01065511	0.494008876	0.634675483
cg25338818	18	0.00295703	0.488401168	0.629043461
cg19546792	10	0.00017209	0.595958655	0.736533598
cg14651504	13	0.01514474	0.136359408	0.27675983
cg05352016	2	0.02735327	0.127965551	0.26834551
cg13807254	9	0.01190904	0.175222064	0.315551759
cg01824933	17	0.00746735	0.646236006	0.786414892
cg22405226	6	0.02973686	0.135651764	0.275760524
cg25889504	7	0.02618464	0.396190031	0.536151992
cg15406343	17	0.00426458	0.486094538	0.626045838
cg00163089	1	0.00243877	0.140009939	0.279942667
cg19718563	19	0.00048329	0.293727139	0.433648133
cg20878925	13	0.03455312	0.270171475	0.410008525
cg16525974	16	0.00021379	0.628926606	0.768746402
cg05765734	8	0.01142954	0.163253089	0.302927161
cg18321762	8	0.02240523	0.415970626	0.555628624

cg05081908	4	0.00151584	0.267836014	0.407486208
cg22049902	6	0.01468008	0.659775654	0.799351789
cg20824932	6	0.00718675	0.151814207	0.291343095
cg13074572	7	0.00338219	0.548725291	0.688065419
cg27327370	2	0.02258302	0.659306042	0.798638384
cg01030598	13	0.0415679	0.19015609	0.329440131
cg00881378	15	0.00204167	0.575816689	0.71498678
cg10522535	11	0.04825637	0.445043013	0.584206083
cg09692428	16	0.00116242	0.208937803	0.348078877
cg19821872	2	0.00066484	0.572772221	0.71190677
cg03558269	16	0.00410123	0.277345622	0.416410122
cg06636220	3	0.00024762	0.543610418	0.682660602
cg12391643	2	0.02566429	0.239197847	0.378230071
cg05672223	2	0.00035334	0.307273822	0.446294083
cg01391063	10	0.00134659	0.394839933	0.533858255
cg24543939	5	0.04375784	0.150249492	0.289248212
cg23322996	12	0.03886472	0.195822911	0.33478097
cg24082799	12	0.02202689	0.359459137	0.498400737
cg23612072	17	0.02657013	0.23603095	0.374896699
cg26538335	12	0.00134748	0.391539426	0.530402474
cg06259351	16	0.0056655	0.582424676	0.721229424
cg03662049	2	0.00021343	0.202607282	0.341380662
cg02054513	16	0.02047811	0.270985221	0.409708509
cg20074526	3	0.02151433	0.168120337	0.306819228
cg10888878	1	0.02793692	0.499719559	0.638383679
cg04649852	16	0.00104872	0.248769663	0.38735337
cg10316525	15	0.00341966	0.320500598	0.459083482
cg14833024	12	0.018916	0.212776122	0.351275251
cg05422883	2	0.00072365	0.529386784	0.667824721
cg26976707	11	0.01017869	0.322149126	0.460576293
cg26808738	4	0.00203942	0.725143307	0.86356437
cg16927416	8	0.00012436	0.360681686	0.498995487
cg25001102	1	0.00164009	0.448484353	0.586779121
cg08959182	5	0.00326518	0.543809052	0.682090812
cg03712403	12	0.0379412	0.373752207	0.51199609
cg05279291	15	0.00244384	0.231009962	0.369252821
cg25061027	14	0.01446983	0.528725098	0.66693769
cg02553872	16	0.00753928	0.331009818	0.469199891
cg13645530	12	0.00120397	0.16385642	0.301994399
cg19513492	12	0.0046703	0.264445565	0.402441908
cg17382879	13	0.00243364	0.534105435	0.672097538
cg00832105	8	0.01794484	0.303732052	0.441568262
cg24326075	8	0.0044466	0.592996804	0.730829069
cg12083597	10	0.00046086	0.736479018	0.874262499
cg12277870	1	0.01463948	0.296921466	0.434677358
cg08879390	19	0.00387614	0.432266549	0.569989809

cg01935436	7	0.01188395	0.152364229	0.290069048
cg22004089	2	0.0004441	0.627956226	0.765626771
cg02506275	12	0.04202309	0.479454868	0.617082697
cg21474774	1	0.01688552	0.410309008	0.547870249
cg06350882	7	0.00507519	0.500152612	0.637629091
cg00209623	3	0.00017931	0.339134653	0.476481939
cg26081974	13	0.00336408	0.209539761	0.346798507
cg25214552	4	0.04033913	0.20330634	0.34055801
cg14185860	2	0.02884525	0.173886999	0.311115197
cg11607648	3	0.04962562	0.636925308	0.773971847
cg01894366	3	0.02388202	0.158067606	0.295094075
cg07023324	13	0.04600307	0.396335897	0.533318854
cg02095697	2	0.02444909	0.309254875	0.446131095
cg20149937	19	0.00389761	0.244743545	0.381603212
cg13767779	17	0.00546039	0.457751462	0.59459798
cg01194073	14	0.00084167	0.304946401	0.44175213
cg09290893	17	0.01041379	0.271163143	0.407909882
cg27145098	16	0.02129031	0.298991167	0.435694673
cg10533060	16	0.00207283	0.6930875	0.829762812
cg13212831	1	0.00679823	0.614686981	0.751284603
cg18528696	12	0.01035148	0.359412647	0.495994573
cg14223001	11	0.00143469	0.18399338	0.32057427
cg09502809	1	0.0009106	0.490967166	0.627546591
cg15629868	1	0.02453642	0.212307019	0.348870359
cg13429168	9	0.00314371	0.299762965	0.43628561
cg24221559	2	0.0462017	0.440881507	0.577380213
cg19996406	8	0.016036	0.13754608	0.274014345
cg00348891	13	0.00456312	0.218404793	0.354789604
cg26389913	12	0.01995735	0.281288063	0.417528705
cg00125005	7	0.02208663	0.167518157	0.303712891
cg08349093	10	0.01504776	0.335284437	0.471446627
cg05575777	3	0.04666968	0.277387773	0.413493713
cg13136220	8	0.0003098	0.127105289	0.263179393
cg19119609	20	0.00240818	0.123786155	0.259859859
cg22251148	11	0.02944321	0.219056713	0.35504087
cg11841288	1	0.02294416	0.55769614	0.693528212
cg16976599	2	0.04217129	0.53016127	0.665985128
cg03064626	2	0.02296568	0.118509788	0.254208198
cg21661768	2	0.02045189	0.122589567	0.258202336
cg02924972	13	0.02786663	0.572147322	0.707700828
cg00637940	7	0.03739733	0.263539207	0.399005914
cg10244770	12	0.03036977	0.45840584	0.593860591
cg01566312	1	0.0333861	0.486209872	0.621498425
cg22957360	10	0.00058122	0.191601883	0.32686737
cg21686171	1	0.03000876	0.139486048	0.27469408
cg04523661	19	0.01185734	0.140606571	0.27579517

cg05797224	1	0.04038608	0.10536623	0.240493488
cg09221960	11	0.00081752	0.516569235	0.651584874
cg13460850	3	0.046593	0.257686029	0.392675605
cg00925054	1	0.01311915	0.281349006	0.416263947
cg23529856	13	0.00212219	0.413112028	0.547968168
cg12905176	3	0.00176755	0.354893909	0.489717353
cg05940514	17	0.01417898	0.255808795	0.39055713
cg17855390	1	0.03035905	0.395542162	0.530276619
cg24707486	14	0.00086501	0.485660633	0.620345214
cg19958511	10	0.00959799	0.455221724	0.589889678
cg19649152	13	0.03232589	0.371140182	0.505737119
cg12441957	10	0.03356731	0.198023712	0.332605157
cg06815361	8	0.00515905	0.469957822	0.604391084
cg24709511	1	0.00027715	0.320694056	0.455110384
cg02744699	17	0.00616862	0.709012252	0.843357068
cg02411088	17	0.00512695	0.124746823	0.259051695
cg00005740	13	0.0026907	0.368642702	0.502881609
cg23012654	14	0.03071666	0.629543461	0.76374995
cg01872122	5	0.00296178	0.226384156	0.360582025
cg16686839	16	0.03755417	0.481461272	0.615644041
cg05657096	16	0.02120843	0.546226049	0.680337294
cg07889827	10	0.03103221	0.348874728	0.482844485
cg26120971	8	0.02195607	0.237865444	0.371829417
cg07675998	11	0.00197095	0.381763795	0.515720368
cg04587617	17	0.00695634	0.196475236	0.33038208
cg15203566	5	5.22E-05	0.251234514	0.385109288
cg17430228	11	0.00269477	0.336415494	0.470234159
cg04371567	4	0.00766434	0.432201145	0.565983687
cg24366665	13	0.00580375	0.519402373	0.653142738
cg05748238	16	0.00156854	0.447034961	0.580644847
cg04147969	15	0.00385715	0.111883238	0.245330683
cg06827015	3	0.01429009	0.22557122	0.358995735
cg17388712	7	0.01134309	0.247309614	0.38060049
cg13822561	6	0.01415612	0.651495699	0.78472728
cg07568314	6	0.00040367	0.748423711	0.881643224
cg13083032	7	0.00829356	0.303025359	0.436160376
cg11806439	14	0.01256217	0.174179639	0.307301312
cg01035869	6	0.04968184	0.682040223	0.815130654
cg27638288	11	0.02573595	0.248042113	0.381125911
cg05782966	2	0.0186838	0.564500324	0.697527224
cg09115607	5	0.00806251	0.392467894	0.525459061
cg15164702	10	0.00088822	0.217141569	0.350044035
cg01408860	16	0.00099112	0.24291046	0.375764023
cg22321267	7	0.00670547	0.377585397	0.510438653
cg00131261	8	0.001026	0.743570942	0.876323285
cg04232282	16	0.0300946	0.143520643	0.276270227

cg17009813	14	0.01181492	0.289314905	0.42205492
cg15578332	3	0.00814802	0.245122128	0.377842262
cg01631064	15	0.01326152	0.128779606	0.261477173
cg21897970	17	0.0040122	0.353467517	0.486072126
cg17685004	2	0.04971966	0.196780596	0.329269035
cg26942432	15	0.00099477	0.152395018	0.284837959
cg14524724	5	0.00376371	0.160229397	0.292633781
cg20886660	13	0.01301786	0.522296587	0.654699569
cg21072457	5	0.00303065	0.571547082	0.703930194
cg18817970	3	0.03825075	0.125709252	0.258064906
cg08200420	2	0.00080013	0.386377872	0.518727742
cg01511234	12	0.03357992	0.190438176	0.322727598
cg20821566	17	0.00267102	0.121654757	0.253944115
cg07311419	11	0.03658383	0.194830395	0.32709023
cg08903939	16	0.00555981	0.565017963	0.697261822
cg13513907	12	0.02777176	0.478533932	0.6107713
cg07040768	16	0.00814228	0.159653746	0.291869805
cg22593432	13	0.02461853	0.163223227	0.295415065
cg00929496	6	0.02548284	0.462139072	0.594299669
cg24006667	7	0.04594257	0.298332818	0.430191226
cg10224806	12	0.00217777	0.583295616	0.715112596
cg15226808	6	0.02033986	0.598465926	0.730256203
cg17547577	3	0.00303851	0.683912054	0.815674722
cg09426420	7	0.02581494	0.536833046	0.668558721
cg03753942	8	0.01995772	0.383447678	0.515144575
cg19049754	10	0.00023686	0.304160333	0.435822803
cg10989214	3	0.01334818	0.278192872	0.40984458
cg03526459	1	0.03128625	0.120838599	0.252474413
cg23291376	2	0.04243228	0.484552691	0.616147741
cg19153828	2	0.00030201	0.16560957	0.297162862
cg07347205	16	0.01191327	0.23604578	0.367552879
cg26333454	14	0.01236658	0.161978296	0.293437386
cg01253386	10	0.02522428	0.301060213	0.432508189
cg10985970	11	0.00140084	0.581996813	0.713425524
cg04213390	2	0.00854671	0.202848067	0.334235947
cg08886020	16	0.00643593	0.215594348	0.346960091
cg09695851	17	0.00168146	0.345481588	0.476816903
cg02859421	19	0.00545547	0.321496389	0.45279769
cg11113066	10	0.0015398	0.311684781	0.442932174
cg22711009	10	0.04714621	0.240796354	0.371951889
cg26987928	15	0.00404496	0.615527478	0.746656625
cg24665368	8	0.00214382	0.666689998	0.79776297
cg22462726	3	0.00015596	0.302688518	0.433700436
cg02525719	4	0.03034375	0.367154547	0.498156885
cg22300615	20	0.03815941	0.373812425	0.504682813
cg20637688	12	0.01731847	0.499785908	0.63059206

cg08452095	3	0.01804264	0.523047828	0.653791667
cg03584351	7	0.02385795	0.307383724	0.438105092
cg21393885	17	0.02753706	0.57739429	0.707997313
cg20462100	1	0.00212384	0.524237637	0.654825494
cg23895439	1	0.04421923	0.234398297	0.364973816
cg25045013	15	0.00311965	0.548667253	0.679175112
cg13463465	2	0.01017869	0.384956562	0.515460776
cg25831071	11	0.010042	0.298778457	0.429180824
cg11045529	20	0.04426878	0.278866817	0.409211611
cg06073695	6	0.00056381	0.381147741	0.511491256
cg05905731	16	0.00014048	0.396674219	0.526985021
cg07849237	17	0.00987483	0.640239181	0.770475701
cg01552748	13	0.00095015	0.594316244	0.724531516
cg02116942	2	0.04373792	0.114879097	0.245080366
cg12130672	17	0.01702777	0.27807323	0.408271034
cg15126897	1	0.03558389	0.716058137	0.846212313
cg23070380	6	0.00999619	0.216150352	0.34618918
cg19885001	13	0.04353723	0.495301361	0.625305171
cg11202634	8	0.0036888	0.427903793	0.557860777
cg06256007	11	0.02023468	0.198698186	0.328650081
cg23180941	5	0.00453021	0.692399443	0.822329343
cg03389982	1	0.00800911	0.339878172	0.469707624
cg02645287	16	9.04E-05	0.506008517	0.635803851
cg17342469	22	0.00686543	0.149605534	0.2793372
cg01325552	4	0.04893011	0.603775851	0.733462518
cg12127048	1	0.00823479	0.399310443	0.52896449
cg07537530	13	0.04636494	0.158148743	0.28776781
cg02514143	5	0.01280905	0.450578654	0.580194566
cg24998791	8	0.00537874	0.207399291	0.336998827
cg23879937	4	0.00484418	0.359974637	0.489544376
cg03598731	8	0.00281587	0.259396845	0.388961297
cg01245224	11	0.04666968	0.431817865	0.561377441
cg24075175	11	0.00189386	0.234306307	0.363855699
cg21903122	14	0.04294945	0.174982419	0.304514943
cg10930901	5	0.04417543	0.387869762	0.517370543
cg15129052	1	0.01022961	0.188207486	0.317597238
cg18815957	11	0.0445562	0.554461365	0.683842579
cg03370330	2	0.00191967	0.334780955	0.464108824
cg18469813	6	0.01590684	0.400082773	0.529370237
cg21679391	1	0.0154877	0.152751935	0.282038462
cg00685614	16	0.00029129	0.190897448	0.320157151
cg14508405	2	0.00735211	0.317890571	0.447102186
cg13215995	17	0.00029033	0.231141711	0.360280417
cg23096806	10	0.03930103	0.300086432	0.429209789
cg00349608	17	0.00080274	0.412372273	0.541493179
cg04170948	16	0.04824442	0.348617623	0.477597926

cg25815440	2	0.01316795	0.619129177	0.748088105
cg11442259	10	0.02747938	0.667729357	0.796487203
cg02805052	2	0.01086195	0.678752384	0.807423437
cg18812629	1	0.03380057	0.600304827	0.728873957
cg08392142	13	0.01025026	0.265970512	0.394444284
cg27421117	2	0.00518839	0.535397365	0.663847887
cg05315633	6	0.04795777	0.160396591	0.288816186
cg00402352	11	0.00871022	0.433867111	0.562272378
cg02792168	10	0.00181276	0.173752822	0.302029765
cg16627836	2	0.02414858	0.291865284	0.420131865
cg15526213	10	0.0034078	0.463853625	0.592091484
cg03388247	2	0.00033508	0.566637839	0.69486644
cg06711873	19	0.00401483	0.135017911	0.263237963
cg07571379	11	0.04856034	0.327540967	0.455744874
cg12626957	3	0.00283316	0.107282534	0.235417069
cg26866349	16	0.00568088	0.692570413	0.820675404
cg18097872	2	0.00146884	0.358680443	0.48657588
cg07628073	19	0.00023669	0.606981642	0.734835937
cg08486065	19	0.00293974	0.578574843	0.706360337
cg15254822	7	0.04431403	0.457046188	0.584695922
cg10607454	7	0.00075604	0.328403921	0.455950625
cg02148562	8	0.00951431	0.192476065	0.320011498
cg20594961	4	0.00019707	0.305711664	0.433245431
cg18308339	5	0.00565723	0.516465609	0.643896601
cg04935436	20	0.00782727	0.193707734	0.321092609
cg06951265	10	0.04703688	0.449465673	0.576816645
cg14145524	9	0.00034583	0.213101237	0.340315179
cg14267222	10	0.02367738	0.20369437	0.330904201
cg19577365	14	0.00293974	0.374462915	0.501622891
cg00532399	5	0.01778595	0.379488281	0.506625123
cg19910940	1	0.00896799	0.346799983	0.473936008
cg18564849	1	0.01248341	0.232293442	0.359405431
cg25453677	17	0.00349705	0.182995225	0.309973862
cg23712401	10	0.00151429	0.188178492	0.315141942
cg00096418	16	0.01124763	0.129408617	0.256291242
cg21430752	17	0.01239509	0.597345813	0.724215643
cg24078875	5	0.00360069	0.739736661	0.866577103
cg00830419	2	0.00861856	0.653762203	0.780596915
cg01655158	8	0.00957015	0.600874723	0.727641827
cg02203714	16	0.00580754	0.469740805	0.596405929
cg22122342	13	0.02362926	0.692109557	0.818747244
cg07645809	6	0.03034423	0.577356226	0.703883566
cg11256956	12	0.04661028	0.279226571	0.405688232
cg23786812	7	0.04841698	0.522762846	0.649206373
cg00400827	16	0.00070365	0.187541366	0.313957629
cg12378321	15	0.02748848	0.614126555	0.740541708

cg18662365	3	0.01453597	0.692069011	0.818456227
cg16101804	2	0.02542233	0.650060866	0.776423739
cg20674007	12	0.02411762	0.193155325	0.319459937
cg05295696	4	0.00256565	0.603710969	0.730011432
cg07115848	7	0.03573059	0.63125632	0.757540042
cg12311651	15	0.04420001	0.375736761	0.50198734
cg26509250	2	0.04556772	0.50928319	0.635422236
cg16278514	3	0.00394117	0.338812739	0.464932464
cg10228981	16	0.00068434	0.62524914	0.751264846
cg07356338	16	0.00280358	0.371632926	0.497552095
cg05006473	4	0.00139778	0.251318901	0.377236989
cg20722637	2	0.00067775	0.72861731	0.854475081
cg12741293	7	0.03097797	0.125266172	0.251079948
cg11843673	2	0.01425257	0.604874009	0.730674214
cg24902196	2	0.00931234	0.292934205	0.418718189
cg09225701	4	0.01558075	0.542078726	0.667839157
cg02621030	16	0.0443671	0.684796306	0.810546442
cg08321483	4	0.01528287	0.305068907	0.43073531
cg09907439	12	0.01329975	0.365394993	0.49100453
cg05832925	11	0.00376303	0.651797116	0.777397217
cg01168833	12	0.00254153	0.278027786	0.403620909
cg16926213	1	0.00033097	0.228846797	0.354429482
cg10924875	8	0.00262429	0.222447594	0.348024388
cg01231009	8	0.00789781	0.59302516	0.718542246
cg27143695	17	0.00582532	0.641369068	0.766876329
cg20342432	2	0.0159821	0.492783721	0.618290665
cg11863899	5	0.02942304	0.136024488	0.261449885
cg11301695	12	0.00459185	0.203896075	0.329229967
cg04556550	7	0.00966407	0.185032142	0.310360003
cg09077862	5	0.03578766	0.219089518	0.344397331
cg15139304	1	0.00165962	0.257949092	0.383121138
cg06993255	8	0.00742167	0.295573729	0.420721024
cg15513657	14	0.04392039	0.115020213	0.240156422
cg14338246	17	0.00225347	0.588889122	0.713892409
cg00268330	8	0.0383453	0.336651112	0.461637417
cg04319990	10	0.00193304	0.423591992	0.548575227
cg13445953	13	0.01983824	0.624680859	0.749573874
cg07937999	14	0.0005198	0.790637658	0.915501612
cg12646386	1	0.03212534	0.469650514	0.594469357
cg00978505	1	0.00694352	0.526524677	0.651292691
cg05562828	17	0.03062995	0.275529855	0.400273522
cg21875839	2	0.01772981	0.581555397	0.706241459
cg08513626	16	0.00663519	0.173875219	0.298555917
cg12784272	17	0.0120954	0.249124172	0.373749992
cg03396664	16	0.00110317	0.380893435	0.505513448
cg04218880	1	0.00462813	0.253412364	0.377985701

cg17431023	7	0.00511099	0.275485681	0.400009367
cg26866452	15	0.02246377	0.226863992	0.351309609
cg10836509	1	0.02427223	0.294364347	0.418809437
cg01400830	11	0.00876577	0.580898282	0.705323256
cg15247974	19	9.29E-05	0.53396924	0.658338249
cg03923640	16	0.00349705	0.195753965	0.3201196
cg17139283	1	0.00900175	0.718417839	0.842770939
cg23682310	2	0.01970184	0.343230223	0.467559757
cg16474583	4	0.00212315	0.77603817	0.900318054
cg02197669	16	0.02396861	0.502339945	0.626617641
cg06212297	16	0.03004514	0.554456454	0.678710937
cg03086006	1	0.04161494	0.749773611	0.873966696
cg05970547	4	0.04784964	0.65935996	0.783552527
cg20593826	1	0.00074185	0.239901625	0.364046561
cg24489344	22	0.00135716	0.367448455	0.491563915
cg07782924	1	0.00107722	0.783701718	0.907754696
cg06192592	6	0.01724144	0.244351664	0.368307905
cg03222374	4	0.00028279	0.279800308	0.403699736
cg22772386	6	0.0344661	0.309117372	0.433015229
cg10804656	10	0.00021029	0.154382867	0.278274064
cg03428314	16	0.00132552	0.25020071	0.374084309
cg17263013	2	0.01848878	0.376236391	0.500101939
cg10441034	2	0.01815941	0.594673485	0.718477305
cg01774019	4	0.007957	0.356578811	0.480344647
cg18986956	2	0.00052049	0.48586005	0.609598102
cg18672053	5	0.02728166	0.485318347	0.609014216
cg02142995	8	0.00078633	0.165883317	0.289543072
cg22551145	15	0.00184544	0.178554552	0.30217081
cg07301061	12	0.00652522	0.636245071	0.759850926
cg12444822	1	0.00184002	0.582133396	0.705712051
cg02516234	12	0.00133684	0.69309042	0.816640901
cg01152374	15	0.01767748	0.180877757	0.304425904
cg10122103	6	0.00042068	0.24730485	0.370797969
cg17100047	10	0.00042158	0.157735118	0.281151409
cg14299572	10	0.00012062	0.1833679	0.306701573
cg04495313	4	0.00202996	0.217943455	0.341258544
cg26197530	1	0.0401848	0.179608591	0.302916747
cg03504160	4	0.01592981	0.462871669	0.586131534
cg14502818	4	0.00957931	0.159539794	0.282785321
cg06657240	18	0.00045498	0.525355733	0.648600889
cg25303436	1	0.01807474	0.717034013	0.840267325
cg11738198	1	0.04696515	0.224264572	0.347490947
cg01052276	2	0.04111211	0.535895049	0.659076785
cg00061635	17	0.01113186	0.201830187	0.325001913
cg22163280	17	0.00835832	0.168263413	0.291427291
cg00834923	16	0.00942603	0.24833323	0.371492737

cg21106695	14	0.03588673	0.612254787	0.735401603
cg05593669	12	0.04832005	0.500408527	0.623369904
cg11782714	14	0.00035151	0.244441588	0.367294722
cg26166433	15	0.00237814	0.270697324	0.393442147
cg09494379	2	0.0029884	0.293442705	0.416177922
cg00618626	17	0.00032767	0.407082799	0.52971813
cg04293770	5	0.02330587	0.601742009	0.724355583
cg04847478	10	0.00117245	0.650082782	0.772655488
cg18384893	17	0.02784199	0.514873713	0.637440518
cg06990142	8	0.00670337	0.663153938	0.785712495
cg11119275	5	0.00093863	0.681723978	0.804254053
cg05400883	1	0.00520344	0.73021498	0.852714948
cg07292773	6	0.00031987	0.165568657	0.288057508
cg10276948	8	0.0037002	0.429850691	0.552270621
cg10431652	10	0.00534574	0.306556785	0.428968914
cg14402385	9	0.00207244	0.233546543	0.35586217
cg05215056	10	0.01319993	0.410141735	0.532435648
cg06167221	18	0.00237678	0.403239857	0.5254907
cg20366218	2	0.03093169	0.511332129	0.633578774
cg18631996	5	0.00173265	0.268005307	0.390202364
cg27422311	12	0.02779435	0.107807064	0.229974994
cg23012917	1	0.03652443	0.401651604	0.523707153
cg15730491	1	6.37E-05	0.152682927	0.274722771
cg23899147	6	0.02782799	0.202841912	0.32482283
cg14441787	8	0.01217745	0.779964496	0.901914135
cg20430104	7	0.0149662	0.475296941	0.597176623
cg02019528	14	0.0164714	0.630653603	0.752504132
cg08135406	3	0.00042267	0.136456996	0.258304035
cg01942797	7	0.00707069	0.222453894	0.344262678
cg25568114	2	0.00042068	0.323522839	0.445220993
cg18229092	2	0.00338585	0.650900907	0.772511085
cg00305740	7	0.00575344	0.340141447	0.461737836
cg03703733	6	0.03637048	0.55080217	0.672373567
cg19667811	10	0.0244247	0.086861545	0.208421871
cg14196998	20	0.02277637	0.355266152	0.476822081
cg01817364	5	0.01125706	0.326695904	0.44817414
cg09743615	11	0.00220131	0.616912858	0.738359622
cg15755154	18	0.02767487	0.490327845	0.61175956
cg01719663	4	0.01397733	0.481206628	0.602634518
cg06664775	19	0.01189457	0.505075951	0.626376186
cg20479009	6	0.01550118	0.564236311	0.685530354
cg22912997	12	0.00385022	0.242375136	0.363618773
cg21748138	2	0.00139922	0.52565561	0.646861606
cg19812432	17	0.02281455	0.119935952	0.241140438
cg04636307	16	0.01562102	0.40607058	0.527257962
cg23630659	8	0.00482289	0.648269172	0.769353784

cg12569007	10	0.02767717	0.145826568	0.266870489
cg23904955	10	0.00274556	0.186455742	0.30748702
cg21392435	8	0.00287222	0.339684813	0.460690492
cg27416412	4	0.00232079	0.570229485	0.69113856
cg11846355	12	0.00052374	0.603521866	0.724422704
cg08779649	13	0.03944874	0.537955426	0.65876611
cg09039112	16	0.0049889	0.688041473	0.808844071
cg02622251	1	0.02846629	0.176601427	0.297386548
cg14909198	13	0.04009358	0.329880771	0.450590953
cg16681349	17	0.00452709	0.499061053	0.619766131
cg09642740	8	0.00084827	0.398094418	0.518799037
cg16298612	12	0.00509171	0.585723353	0.706396982
cg01034811	8	0.03021605	0.550030535	0.670631745
cg10232198	1	0.01011607	0.688651606	0.809245981
cg05872570	10	0.00191885	0.680150377	0.800736484
cg04640975	19	0.02182677	0.121669813	0.242243626
cg08637446	11	0.00022396	0.457045286	0.577554739
cg19333739	7	0.0245561	0.687520454	0.808011558
cg26632875	12	0.01968886	0.122357957	0.242789198
cg11807040	13	0.01581581	0.454559285	0.574955658
cg09531729	16	0.00114323	0.280608508	0.400974277
cg00465247	13	0.03941796	0.345366258	0.465729164
cg18829443	2	0.02377121	0.461251872	0.581588598
cg18607127	5	0.00266459	0.429851802	0.550172264
cg09203057	19	0.02432882	0.665443009	0.785741107
cg14658300	5	0.00408945	0.590403527	0.710687582
cg08006672	16	0.00377233	0.619179753	0.739401347
cg23314826	8	0.00595697	0.630408659	0.750618672
cg00923996	3	0.01947387	0.185405542	0.305605502
cg23606162	1	0.04777803	0.576313547	0.696511562
cg13939055	1	0.00147055	0.162559726	0.282741859
cg01292856	11	0.00111041	0.595231987	0.71536528
cg22542685	17	0.02384257	0.640942604	0.761056918
cg17342709	2	0.00121732	0.682994755	0.803077212
cg17590003	17	0.0024546	0.224923839	0.344979661
cg13750219	2	0.00851549	0.581450625	0.701498975
cg14619716	11	0.01015529	0.535514427	0.655437476
cg11599887	5	0.00374113	0.617793975	0.737638953
cg01944810	2	0.00099737	0.627481462	0.747324734
cg13917273	9	0.00071334	0.149959735	0.269753921
cg10020890	16	0.01576039	0.448438191	0.568223667
cg23856536	7	0.01421099	0.134795015	0.25455697
cg10618461	12	0.02450522	0.669419609	0.78909691
cg18011188	2	0.04099899	0.465584932	0.58524993
cg25417675	6	0.0062149	0.185233608	0.304873884
cg26014739	2	0.02712832	0.10999528	0.229606479

cg26068090	13	0.02636183	0.455003814	0.574566143
cg14676272	8	0.00850956	0.449336858	0.568853654
cg05617678	15	0.03006064	0.119476344	0.238990609
cg16201418	4	0.03781117	0.672155291	0.791667334
cg01897156	16	0.00046135	0.321333857	0.440836023
cg13224852	2	0.00183826	0.285266634	0.404753914
cg05824809	16	0.02649769	0.299606162	0.419075922
cg02264079	16	0.0009666	0.357666408	0.477117403
cg18590119	6	0.02749888	0.567732856	0.687167274
cg16361757	16	0.03363389	0.499912897	0.619336458
cg08900511	1	0.0207408	0.268370624	0.387782728
cg00786761	3	0.00096211	0.352685527	0.472093706
cg18095938	5	0.01135012	0.644653288	0.764016132
cg09894814	1	0.00242298	0.673260819	0.792579276
cg11642211	18	0.01630475	0.491910052	0.611191983
cg23597271	2	0.0096097	0.582659253	0.701938789
cg16800228	15	0.02167002	0.680530763	0.799804321
cg03727169	10	0.00049636	0.311345987	0.430612712
cg08279879	17	0.00904863	0.373447345	0.492684427
cg03577128	3	0.02449441	0.600697348	0.719927999
cg00750630	14	0.02210502	0.563899478	0.683044895
cg26231794	1	0.02324227	0.187295517	0.306436457
cg07704235	18	0.00679766	0.657529177	0.776618012
cg26107754	3	0.03886472	0.199066102	0.318132004
cg09313445	14	0.0033967	0.295764736	0.414827223
cg01414572	12	0.00095528	0.49385011	0.612904697
cg26541649	1	0.00257034	0.225094576	0.344010563
cg00934299	16	0.00181891	0.454628284	0.573458138
cg06443678	17	0.00450524	0.532637936	0.651457369
cg04308882	22	0.00177914	0.557209734	0.67596939
cg03991106	15	0.00115272	0.456725937	0.57541164
cg25351353	12	0.00933698	0.439931631	0.55854895
cg09139491	13	0.04433393	0.476610842	0.595186183
cg19993680	10	0.04674998	0.272732696	0.391304328
cg04833853	11	0.01033615	0.720898546	0.839404925
cg15851389	15	0.00425472	0.6446649	0.763144758
cg21663666	2	0.00393479	0.214438071	0.332879221
cg27451531	1	0.00466407	0.666047974	0.784457015
cg12087123	17	0.0103469	0.502352375	0.620757066
cg01205299	6	0.01699125	0.510166657	0.6285596
cg01296347	2	0.02621259	0.16381123	0.282159616
cg06708789	16	0.04607274	0.323370112	0.441716808
cg07241917	1	0.00204167	0.369595913	0.48786261
cg04004158	16	0.02851406	0.152931545	0.271190957
cg18772231	12	0.00228008	0.550496894	0.668729604
cg09513416	6	0.00231025	0.66837054	0.786544309

cg07787543	6	0.00907447	0.29924764	0.41731082
cg06918928	12	0.02212384	0.21135036	0.329410917
cg22484690	1	0.000313	0.621845056	0.739901562
cg26365847	14	0.03095141	0.456571829	0.57454517
cg10137191	14	0.0262525	0.74063373	0.85850432
cg01289290	3	0.00217777	0.650007718	0.767866333
cg02546828	8	0.00036723	0.644692261	0.762516186
cg11524773	6	0.04977017	0.291031419	0.408763948
cg13537774	9	0.01534086	0.605836842	0.723508431
cg14863944	13	0.01452969	0.712084173	0.829747314
cg00165078	1	0.00286636	0.516230282	0.633845171
cg20845639	8	0.00104441	0.217010278	0.334594471
cg14706317	5	0.00633297	0.441167524	0.558743438
cg04705429	10	0.00481317	0.589698955	0.707250731
cg02654265	5	0.01096723	0.556256785	0.673793464
cg15197135	19	0.00133684	0.306671245	0.424119435
cg08224682	5	0.02684297	0.133593279	0.251024689
cg09011316	1	0.01508684	0.43183095	0.549244189
cg07498426	11	0.0027678	0.660095884	0.77750408
cg22975521	2	0.00893625	0.162827838	0.280208571
cg03748603	19	0.00350029	0.156116976	0.273493493
cg27298940	7	0.00380548	0.290038227	0.407398834
cg12370929	9	0.03603698	0.195961634	0.313303277
cg25256538	6	0.01690554	0.385251466	0.502579242
cg25294526	17	0.02615914	0.357777822	0.475091463
cg24692595	3	0.03508157	0.606905621	0.72420597
cg13494055	3	0.00054667	0.623734088	0.741013236
cg25073998	2	0.00569323	0.124242569	0.241515893
cg00730887	4	0.03612204	0.160734448	0.277996908
cg23117727	20	0.00286591	0.648537261	0.765796477
cg16454587	11	0.00459456	0.721170699	0.838404368
cg11877773	14	0.00294665	0.444676799	0.56189683
cg25007799	4	0.01363205	0.273419957	0.390611192
cg16252110	5	0.00584864	0.631544536	0.748529266
cg06876766	12	0.01668188	0.518101558	0.635070578
cg23186787	4	0.04520707	0.409642782	0.526603903
cg01403655	13	0.00167449	0.604701517	0.721614718
cg20595634	10	0.03307157	0.329819051	0.446707277
cg19406113	6	0.00268889	0.289196437	0.406016762
cg25063631	7	0.03326982	0.329423565	0.446185257
cg06100639	7	0.01933429	0.098176508	0.214913679
cg16784234	7	0.0129044	0.199731658	0.316465623
cg15165950	5	0.01290556	0.767522031	0.884213951
cg01869093	14	0.00210225	0.178594373	0.295245962
cg01454395	17	0.00284739	0.193971508	0.310609096
cg09634094	15	0.03618258	0.223399148	0.340027535

cg02093902	2	0.01718676	0.110607471	0.227215982
cg04608582	1	0.04914542	0.130158117	0.246735601
cg21263664	1	0.04464728	0.209792058	0.326346708
cg05839818	16	0.00390123	0.309784809	0.42630738
cg15084405	3	0.03130572	0.651546365	0.768065835
cg12858864	15	0.00126685	0.426019516	0.54250302
cg17614703	5	0.02074036	0.445877009	0.562292531
cg04491064	8	0.03183524	0.130884889	0.247293368
cg10284425	16	0.01547024	0.147474452	0.263852062
cg25925252	5	0.00018505	0.306627927	0.422974433
cg16796458	16	0.00076608	0.686057458	0.802346773
cg05082557	17	0.01640221	0.238196034	0.354439639
cg14704669	10	0.00572475	0.120916185	0.237121562
cg18490269	7	3.75E-05	0.748640303	0.864784816
cg06645120	16	0.01031184	0.59209981	0.708189299
cg25310427	11	0.00368547	0.627748448	0.7438239
cg11093508	8	0.02428292	0.109085585	0.225160558
cg08183425	2	0.0005133	0.393579037	0.509578975
cg14852082	4	0.023552	0.30155025	0.417520584
cg21445793	3	0.04546852	0.142522064	0.258356693
cg08344493	11	0.0002286	0.778279671	0.894092257
cg01116425	2	0.04800691	0.356325947	0.472070882
cg08244518	22	0.01627092	0.5140926	0.629767133
cg24987667	4	0.00938573	0.44089702	0.556569857
cg11301492	17	0.00066488	0.250894609	0.366509532
cg09802893	7	0.017504	0.647788467	0.763386194
cg01418539	2	0.01713086	0.116539885	0.232120696
cg24444839	21	0.0010109	0.176323947	0.291819732
cg17157725	22	0.02055773	0.392716502	0.508191193
cg00186374	2	0.03440898	0.457798511	0.573272548
cg13235891	12	0.01930262	0.146221658	0.261663989
cg02750941	5	0.00571717	0.647242616	0.762678118
cg03395044	6	0.02986137	0.657470186	0.772895352
cg05801374	1	0.00627271	0.387634834	0.503041989
cg11584284	6	0.00124864	0.644600767	0.759977498
cg17245996	1	0.02494884	0.763155867	0.878461785
cg11204139	17	0.00136065	0.257552206	0.372850079
cg08211704	8	0.01453415	0.570983712	0.686274009
cg16838749	2	0.00480983	0.404848928	0.520105489
cg22221047	3	0.04540939	0.399470249	0.514712328
cg00189276	6	0.02826185	0.38722746	0.502427228
cg22115196	4	0.04004962	0.469843563	0.585031561
cg26575105	6	0.00359406	0.387338824	0.502517925
cg15741354	8	0.01710834	0.231063324	0.346236226
cg08371532	5	0.01098658	0.274438362	0.389606607
cg26167249	11	0.00788112	0.416670767	0.531835523

cg05461734	10	0.0023188	0.122948049	0.238040212
cg00637745	2	0.03787876	0.157430271	0.272494631
cg01519508	16	9.97E-05	0.475249673	0.59030752
cg13800828	12	0.01146169	0.725289291	0.840260408
cg17248961	2	0.01046405	0.524882083	0.639821661
cg01243072	2	0.03427827	0.306620938	0.421550215
cg19967176	15	0.0009825	0.547963048	0.66287295
cg17826530	1	0.00864964	0.234563155	0.349446434
cg05261299	12	0.00947938	0.32629533	0.441119601
cg23860266	6	0.00139866	0.729023712	0.843787355
cg07894586	2	0.00455801	0.719456707	0.834173563
cg20660989	6	0.00102851	0.2921041	0.406807536
cg10793646	12	0.02532338	0.293554951	0.408256821
cg07535366	5	0.00044198	0.625063147	0.739745271
cg14240060	10	0.04062619	0.355943187	0.470563893
cg16589887	2	0.04393244	0.170250127	0.28484228
cg01154336	14	0.00120527	0.199427925	0.313981836
cg08089449	11	0.00493714	0.726926975	0.841453185
cg19730314	2	0.04217657	0.351863914	0.466278504
cg00490603	22	0.0030624	0.151600412	0.265984063
cg21388543	7	0.00882765	0.178149259	0.292518854
cg26958236	21	0.04344125	0.742298167	0.856660614
cg06444374	1	0.00218492	0.616627894	0.730941863
cg03874542	10	0.04432129	0.48061356	0.594921859
cg22156126	12	0.01126249	0.112322357	0.226629445
cg07856667	10	0.00204167	0.379935105	0.494232176
cg04206219	6	0.01862287	0.275361561	0.389600735
cg09213451	14	0.00615186	0.476554601	0.590713737
cg22036872	1	0.03526841	0.508094871	0.622196778
cg27540038	15	0.04507361	0.321979398	0.436068557
cg16580616	1	0.00088805	0.236361587	0.350323522
cg05745631	6	0.01838494	0.130262195	0.244220499
cg26576890	6	0.00126955	0.328448287	0.442340238
cg00753748	3	0.04405553	0.39105844	0.504932485
cg25088412	6	0.02562303	0.141412802	0.255282005
cg07160420	17	0.02580413	0.100277231	0.213986863
cg16790843	16	0.00861742	0.412973444	0.526653696
cg18210128	12	0.03394871	0.110657401	0.224311046
cg17011134	1	0.00029333	0.59655935	0.710087474
cg06091804	4	0.01124922	0.243566055	0.357001607
cg01760876	8	0.01937737	0.225136072	0.33854692
cg05630208	11	0.0001566	0.269808568	0.383218745
cg24172324	2	0.01043662	0.241660924	0.355048279
cg24794669	10	0.00202083	0.464086227	0.577422973
cg03946532	16	0.00775353	0.099621801	0.21295626
cg09050372	2	0.00297649	0.561829054	0.675145125

cg13583664	9	0.01735953	0.209796057	0.323094027
cg03741824	21	0.00571255	0.325911255	0.439199245
cg24352299	13	0.02194198	0.614743579	0.728028402
cg10108888	7	0.04194734	0.637078403	0.750291986
cg16175245	11	0.00466233	0.193498836	0.306660765
cg05138082	14	0.00455494	0.409241983	0.522368771
cg24067325	5	0.04435902	0.518260722	0.631368727
cg08508936	5	0.01723995	0.441242406	0.554298919
cg19235893	2	0.00121904	0.145001777	0.258042188
cg00068428	8	0.00092663	0.16610384	0.279140094
cg24527591	3	0.03031327	0.263382125	0.376370478
cg07878857	3	0.02562303	0.792697548	0.905683001
cg12656424	2	0.00095015	0.662040985	0.775023609
cg03574652	3	0.01109281	0.177302315	0.290280261
cg19403312	8	0.02942734	0.178091887	0.291037639
cg08490246	4	0.01782871	0.463616753	0.576550295
cg08981844	8	0.0170232	0.179171347	0.292058434
cg21249595	6	0.00064344	0.53339135	0.646231499
cg02607059	15	0.00259008	0.306561187	0.419398118
cg14751481	12	0.00201496	0.164953849	0.277732811
cg27251686	2	0.04336784	0.622925504	0.735694848
cg08317243	16	8.11E-05	0.656910101	0.769671983
cg03147324	15	0.00103917	0.240555405	0.353311283
cg09345153	16	0.01266047	0.229502494	0.342173863
cg09789874	12	0.01338637	0.114187273	0.226806606
cg17578330	17	0.02195181	0.647728241	0.76025805
cg20488341	1	0.01673168	0.119650219	0.232179594
cg19209355	4	0.00253958	0.629656415	0.74217883
cg25927044	10	0.02234265	0.282767138	0.395254345
cg24183575	3	0.00115876	0.437065468	0.549480215
cg22138219	8	0.04303182	0.567468231	0.679813074
cg12888521	8	0.01590383	0.430664	0.542985006
cg18400751	19	0.01404181	0.583827129	0.696136902
cg05006231	19	0.01109619	0.110951536	0.223255484
cg26543150	10	0.04099143	0.133942962	0.246231349
cg21934189	7	0.01272448	0.469924077	0.582172134
cg02630854	3	0.00275736	0.739235374	0.851472808
cg06450976	6	0.00280033	0.680069209	0.792274425
cg23024254	1	0.04552246	0.301065392	0.413195601
cg22959827	5	0.01938417	0.482189946	0.594238795
cg03962019	1	0.00168732	0.201227281	0.313267814
cg11981639	6	0.02700344	0.142626928	0.254648704
cg24603922	6	0.00274278	0.437141592	0.549159557
cg27598583	16	0.00065288	0.335539675	0.447547851
cg16740893	10	0.00433569	0.53278276	0.644773309
cg25668878	3	0.00799701	0.592966352	0.704924186

cg14501119	14	0.00092027	0.253278236	0.365152949
cg09858767	1	0.01299946	0.143685041	0.255523952
cg22270027	4	0.00822802	0.137997341	0.249799857
cg20817822	1	0.00023669	0.670305456	0.782072978
cg13280063	6	0.029122	0.299554921	0.411272973
cg02522990	16	0.00279548	0.552225809	0.663886285
cg00062285	3	0.01198293	0.749584669	0.86123393
cg14827149	1	0.02023468	0.138201132	0.249824133
cg02981163	16	0.00021379	0.254613963	0.366179061
cg27345924	5	0.00095015	0.123114474	0.234663131
cg09813060	11	0.00808486	0.135029616	0.246536586
cg11703759	1	0.0332966	0.656172228	0.76767684
cg26195356	5	0.0168656	0.201034874	0.312521701
cg18788664	1	0.00135609	0.45561324	0.567082529
cg04743876	7	0.04842179	0.132902252	0.244367562
cg12141340	1	0.00281379	0.157455556	0.268881012
cg13945265	5	0.01991605	0.448532583	0.559911402
cg01555052	14	0.01720963	0.528820054	0.640167211
cg05846378	5	0.0097083	0.549580797	0.660906432
cg06883206	4	0.00082972	0.248895849	0.360214056
cg01386185	3	0.02533534	0.129193831	0.240494904
cg23535322	14	0.00521727	0.308025047	0.419303818
cg13202523	7	0.00989094	0.14045741	0.251729457
cg18090631	3	0.0413485	0.622938581	0.734186846
cg19502359	11	0.00827584	0.198791648	0.309975173
cg12159689	7	0.02280539	0.560570696	0.671746009
cg21440365	8	0.00313139	0.32736183	0.438466215
cg04575155	12	0.04807581	0.142320588	0.253401443
cg24335273	3	0.00411751	0.694039172	0.805098967
cg17073708	8	0.0346864	0.394848323	0.505902112
cg19489503	10	0.01929421	0.223649602	0.334685444
cg22286764	3	0.00248378	0.168282669	0.279315933
cg02862059	10	0.00753928	0.520299035	0.631326816
cg09386265	19	0.00387497	0.204463664	0.315476874
cg14908766	12	0.02679599	0.739625034	0.850591869
cg00094585	1	0.04438838	0.122254134	0.233191932
cg21766308	3	0.01936781	0.160839669	0.271747309
cg06582782	12	0.00317774	0.226602955	0.337488118
cg24869667	11	0.00047744	0.693311292	0.804182646
cg14582917	9	0.04431906	0.230795351	0.341652823
cg18736835	2	0.03595757	0.107527545	0.218165603
cg19198993	12	0.03167299	0.343714584	0.454235481
cg08422172	16	0.00320482	0.510368131	0.620885315
cg14635132	9	0.00068807	0.533364719	0.643845717
cg17350441	10	0.02838444	0.730912632	0.841384136
cg02408252	11	0.00320482	0.255540905	0.365998523

cg20192747	18	0.01094413	0.102397894	0.212853786
cg14530444	2	0.00695699	0.223829705	0.334262354
cg27065717	16	0.00184507	0.675303456	0.785711951
cg18563005	12	0.01055805	0.617728448	0.728132062
cg04494270	1	0.00424792	0.698273464	0.808676429
cg13663057	6	0.00498959	0.752221401	0.862568537
cg16149927	21	0.02267561	0.296119573	0.406438388
cg14171369	14	0.00434916	0.164697163	0.27500001
cg27070962	6	0.00056138	0.236916122	0.347216107
cg18002126	7	0.01353714	0.294470278	0.40476222
cg16858121	11	0.00089798	0.739920904	0.850179615
cg14549841	12	0.04242103	0.495141192	0.605353056
cg01019249	5	0.00030589	0.615736417	0.725928515
cg15843929	2	0.00347	0.632870293	0.743009121
cg00837308	16	0.0154434	0.590479186	0.700598104
cg22150680	3	0.01022347	0.222492997	0.332598419
cg07725206	1	0.00341696	0.156140924	0.266186178
cg04131101	11	0.01570154	0.210001132	0.32004537
cg09998597	7	0.0196675	0.3696935	0.479730414
cg07627452	13	0.00479847	0.126813929	0.236793683
cg19320803	12	0.00107112	0.626028448	0.735975514
cg13936846	9	0.01227498	0.14230144	0.252238235
cg02059896	2	0.01905014	0.626790706	0.736629717
cg06420903	16	0.01194551	0.157390436	0.267218988
cg22258600	11	0.01258509	0.242757346	0.352540677
cg06482783	5	0.01186031	0.675185099	0.784953372
cg23014221	1	0.0112218	0.100027038	0.209773481
cg10310751	11	0.02759288	0.651008814	0.760747718
cg26529963	8	0.04037972	0.818815944	0.928546132
cg02525997	8	0.00104629	0.139508511	0.249238406
cg11711501	8	0.00843257	0.446734973	0.556459656
cg05310240	17	0.03292248	0.453654422	0.563331832
cg04119984	5	0.00090542	0.214021929	0.323645808
cg02627405	5	0.00021417	0.693883046	0.803413846
cg25180701	12	0.01936995	0.753509041	0.863016232
cg25731866	6	0.00838167	0.583381642	0.692857263
cg27574223	12	0.032524	0.202034384	0.311494362
cg27544294	22	0.00156139	0.694155735	0.803569862
cg15554023	1	0.00952559	0.179567452	0.288961617
cg14244013	17	0.00045375	0.210094306	0.319485329
cg16993013	15	0.00836843	0.663619112	0.772960954
cg04570228	13	0.04389993	0.354678017	0.464006452
cg14459158	9	0.02086509	0.137756756	0.24702987
cg07995438	11	0.01794608	0.253151556	0.362421677
cg11719784	1	0.00680299	0.621365835	0.730566651
cg01660613	20	0.03161936	0.416938588	0.526130659

cg21920871	1	0.00115842	0.696500157	0.805610354
cg01847889	22	0.01429009	0.150320262	0.259388897
cg00760938	2	0.00828779	0.516587957	0.625637075
cg27039593	5	0.02858115	0.189321089	0.298360812
cg13820776	9	0.00235505	0.509422156	0.618458296
cg25428846	4	0.00521349	0.166807279	0.275834943
cg02066441	1	0.0089938	0.123135565	0.232137609
cg14923188	6	0.00159104	0.778374941	0.887312415
cg13797402	4	0.00136522	0.700961674	0.809719615
cg14498227	11	0.03209257	0.306236349	0.414968396
cg23341085	2	0.00036111	0.228697093	0.337361875
cg13753662	17	0.00197953	0.614372202	0.72297036
cg11902934	5	0.0045211	0.481745803	0.59028014
cg07006398	16	0.02948023	0.519374041	0.627899665
cg22391205	21	0.00620044	0.147132331	0.255657154
cg24219974	6	0.01252268	0.487246719	0.595742964
cg10281996	11	0.0018073	0.120546426	0.229039612
cg01404464	17	0.02074888	0.599642635	0.708062286
cg23375895	6	0.0091327	0.451427019	0.559798955
cg23670779	7	0.00799362	0.215089877	0.323384907
cg05212260	17	0.01045706	0.174697412	0.282923191
cg26924392	17	0.03070246	0.33591727	0.444137589
cg09060081	11	0.00272127	0.387330499	0.495516261
cg05488279	17	0.04878722	0.3369979	0.445172679
cg25460984	6	0.0003693	0.131621606	0.239776482
cg14306161	15	0.0061754	0.433697183	0.54182402
cg14460008	2	0.01419886	0.609460805	0.717547716
cg15432303	12	0.03273511	0.520420481	0.628424236
cg22635041	10	0.02603101	0.454122434	0.562098592
cg07178188	5	0.00458988	0.509868442	0.617835242
cg21692666	1	0.01728506	0.1167214	0.22462262
cg19747745	21	0.00531822	0.422719499	0.53058881
cg04158049	1	0.00229373	0.500996755	0.60886291
cg18450319	7	0.0375861	0.241276375	0.349116644
cg25007447	12	0.00945854	0.114738589	0.222552862
cg03085321	9	0.00127444	0.190555366	0.298365412
cg08532862	5	0.00781901	0.41359521	0.521395576
cg26192279	2	0.00816634	0.721833836	0.829616381
cg27031099	8	0.03612308	0.118529803	0.22630716
cg15813266	4	0.00148988	0.743625337	0.851401095
cg21398280	8	0.01900259	0.18857771	0.296208084
cg14548047	5	0.00567491	0.137929586	0.245498048
cg26890480	10	0.00095015	0.654730711	0.762294719
cg09798077	5	0.01596705	0.55076337	0.65831494
cg15741935	2	0.00931957	0.341198296	0.448723949
cg02309609	15	0.0024617	0.641811399	0.749325277

cg10969209	1	0.04900507	0.1979777	0.305450015
cg07140792	5	0.0302426	0.103683146	0.211134052
cg03779072	16	0.00408945	0.189826771	0.297238414
cg22499307	3	0.03555312	0.351784126	0.459124456
cg27070372	19	0.00080013	0.497422069	0.604727076
cg06641357	16	0.00294467	0.211663431	0.318960854
cg03754098	16	0.00933134	0.132989678	0.240279106
cg16051543	4	0.01253961	0.787904703	0.895168484
cg02909592	3	0.0494292	0.674074347	0.781320386
cg03018931	14	0.0233306	0.179427358	0.286610663
cg19497082	2	0.03578741	0.205379674	0.312556581
cg09155881	2	0.01285594	0.181988017	0.289163741
cg15080403	11	0.00060628	0.632115219	0.739215426
cg11368900	10	0.0263203	0.625348359	0.732445947
cg06535003	6	0.023503	0.100768369	0.207842771
cg01883051	6	0.00679476	0.675108157	0.782164692
cg14875327	3	0.00456598	0.349680292	0.456729609
cg00724403	2	0.04691102	0.679148335	0.786190509
cg09052626	16	0.00650476	0.165402789	0.272414789
cg04809712	7	0.0191262	0.681069706	0.78807772
cg18878713	20	0.02006598	0.619350781	0.72632949
cg21110769	7	0.00322426	0.346123266	0.453078446
cg10779202	7	0.02692274	0.23090345	0.337848538
cg27310831	8	0.00664881	0.594748561	0.701674096
cg11307812	13	0.01043212	0.797667692	0.904532414
cg19883472	6	0.04885248	0.496166732	0.603002143
cg17990185	17	0.00778144	0.64046675	0.747289496
cg10696504	13	0.03428768	0.436401598	0.543211931
cg26224624	15	0.04249218	0.226054365	0.332851751
cg06794141	16	0.0206862	0.102822277	0.209560717
cg24794052	10	0.03260126	0.126408782	0.233143827
cg06536115	1	0.00361635	0.756886246	0.863619567
cg12350309	12	0.01339192	0.163761875	0.270484686
cg15582257	12	0.0231669	0.398665969	0.505375778
cg04789475	4	0.00102527	0.178721021	0.285417119
cg11603201	12	0.00105563	0.732812627	0.839481342
cg19821713	15	0.00011752	0.198527801	0.305190756
cg22981555	4	0.0333593	0.630007834	0.736666179
cg17915922	7	0.02269574	0.437914339	0.544553477
cg09533305	22	0.01631414	0.239130992	0.345752218
cg13469457	9	0.01947387	0.255148051	0.361754898
cg10152627	3	0.02529772	0.282765342	0.389352457
cg07132942	10	0.01611774	0.597604925	0.704106572
cg01369895	3	0.03384481	0.119883242	0.226384824
cg03321196	12	0.03121561	0.103253102	0.20973743
cg11478584	8	0.04288188	0.509404088	0.615881867

cg11315081	13	0.00592895	0.721761406	0.828214374
cg25669593	6	0.00405378	0.136212098	0.242657739
cg21910416	5	0.0421682	0.148371803	0.254802317
cg27535538	7	0.00431366	0.489741661	0.596127649
cg23365135	7	0.04519375	0.286911275	0.393241893
cg05740106	6	0.01132914	0.760742064	0.867059393
cg07007213	11	0.00095747	0.68543081	0.791698209
cg03393238	1	0.00692158	0.671254207	0.777511512
cg19704630	17	0.00699575	0.622426232	0.728651386
cg27181496	3	0.01168792	0.454946183	0.561163881
cg10249570	19	0.03576059	0.475341262	0.581554003
cg13285846	8	0.01147254	0.183873189	0.290079497
cg13544294	17	0.00078969	0.188861295	0.295014435
cg19129687	13	0.01819389	0.508661354	0.614803238
cg08772942	17	0.00538038	0.290824827	0.396927807
cg06873567	15	0.01413356	0.32974994	0.43583829
cg26955580	16	0.00024638	0.715513644	0.821556778
cg16788656	16	0.00976074	0.212072918	0.318054781
cg26274812	14	0.01791817	0.099102194	0.205057274
cg09358961	16	0.00180374	0.515623039	0.621533721
cg08523756	11	0.04251008	0.620294181	0.726160121
cg12647302	1	0.00157943	0.270550773	0.376385229
cg18156831	2	0.01554969	0.388034055	0.493749411
cg00536718	7	0.03887775	0.207980409	0.313677608
cg00022997	6	0.02102593	0.134227973	0.239795146
cg18184053	10	0.00633663	0.123224366	0.228767586
cg13451356	1	0.00262461	0.152645753	0.258185296
cg27450467	12	0.02835893	0.680970873	0.78643415
cg02161534	5	0.04948019	0.846089163	0.951547771
cg04834821	11	0.01659129	0.153097482	0.258554488
cg13351249	6	0.01119724	0.155007549	0.260453224
cg17273096	6	0.04328745	0.523495529	0.628933768
cg26477792	6	0.01631752	0.168905772	0.274343322
cg12871937	3	0.01642652	0.507368224	0.612797913
cg23414580	4	0.0001037	0.252309884	0.357726192
cg18899220	13	0.00628426	0.443476141	0.548805738
cg18202392	18	0.04521179	0.558450105	0.663773598
cg04574896	1	0.03332601	0.094609601	0.199925019
cg00992348	10	0.0132875	0.103268882	0.208577082
cg17455297	1	0.04158335	0.36826226	0.473565841
cg05653714	3	0.00456828	0.226706544	0.331985653
cg26814835	20	0.0026328	0.111822247	0.217100229
cg19049837	2	0.00073359	0.343377117	0.448631272
cg17187167	8	0.00124465	0.31626815	0.421488473
cg08234689	7	0.01258337	0.160017444	0.265223356
cg18718469	6	0.03301683	0.322954823	0.42811451

cg06034711	8	0.00280051	0.592867267	0.698015541
cg20735682	6	0.00102668	0.393778	0.498911536
cg02879967	11	0.01002155	0.717185041	0.822298656
cg06842409	20	0.01460856	0.139911772	0.244990604
cg13207606	6	0.0060033	0.694536359	0.799576722
cg06097423	12	0.03774595	0.708704315	0.81373918
cg08698198	5	0.00109493	0.251936493	0.356950353
cg09604238	12	0.00552218	0.525712014	0.630716018
cg13236409	12	0.00466835	0.250838251	0.355740395
cg07007165	17	0.00451924	0.649359803	0.754244747
cg00315395	11	0.02010621	0.659050162	0.763887089
cg14807682	8	0.0062503	0.274031385	0.378813435
cg00089966	5	0.04311279	0.181115029	0.285866583
cg04483062	6	0.02716725	0.333415868	0.438135361
cg15459887	10	0.00023272	0.670648568	0.775350768
cg09329936	10	0.01590107	0.097064256	0.201721613
cg17152266	19	0.02758617	0.543202091	0.647850548
cg02961472	15	0.04575131	0.586440847	0.691031807
cg16087077	15	0.01999399	0.504347872	0.608921638
cg00386586	13	0.04210046	0.500387446	0.604958147
cg26693701	17	0.04092753	0.417269585	0.521799615
cg06642647	6	0.00034396	0.50552496	0.610027118
cg21123686	5	0.01119064	0.135458009	0.23995941
cg20781516	1	0.03363389	0.529289748	0.633738133
cg00871238	9	0.00475109	0.145951465	0.250355607
cg07325001	22	0.00226082	0.198306182	0.302650225
cg22757418	6	0.02443507	0.672552216	0.776883373
cg11365710	12	0.01275464	0.31019049	0.414503522
cg23692500	14	0.00620044	0.138104035	0.242378102
cg19029859	7	0.01612847	0.256584343	0.360853465
cg19522050	10	0.00046135	0.255359907	0.359605886
cg26901915	1	0.04472929	0.39712635	0.501341118
cg14410733	15	0.00164057	0.294588661	0.398794525
cg23165992	5	0.04147318	0.592735287	0.696939197
cg09776395	17	0.01286254	0.59388019	0.698082321
cg08831381	8	0.020646	0.601672576	0.705851789
cg04359418	10	0.00070777	0.302764679	0.40692112
cg06766960	11	0.00065672	0.359495332	0.463576039
cg00870837	16	0.00396177	0.24890628	0.352936382
cg26579838	10	0.00262461	0.310358587	0.414379731
cg19741660	14	0.00191332	0.29121902	0.395234002
cg26137267	2	0.00016884	0.688123546	0.792088627
cg01019484	6	0.01207711	0.290692144	0.394646174
cg18969709	17	0.01061594	0.773029955	0.87698122
cg10632966	10	0.01808718	0.673871958	0.777819883
cg01161811	4	0.00367549	0.567620286	0.671475379

cg14040679	9	0.00490616	0.228249711	0.332096572
cg00908584	7	0.03134549	0.39544027	0.499250043
cg27378762	15	0.04043084	0.155553379	0.259241375
cg02556436	5	0.00575542	0.536885924	0.640416176
cg06669226	7	0.00134809	0.625224955	0.728690136
cg14008686	11	0.01304711	0.228264599	0.331664234
cg24050716	7	0.01324835	0.522740935	0.626131604
cg11559571	15	0.03133084	0.614430206	0.717805696
cg04013650	8	0.04683225	0.613464992	0.716769882
cg10303978	16	0.00060844	0.74295276	0.846127665
cg12182580	11	0.04047437	0.610157465	0.713324081
cg12729305	1	0.00384372	0.273094761	0.376253408
cg04455286	12	0.0003561	0.619961147	0.72303381
cg26795333	15	0.01526017	0.268192373	0.37123943
cg03457984	2	0.00297445	0.524194126	0.627236657
cg02053786	22	0.00152622	0.556414452	0.659449068
cg22392876	7	0.00158387	0.550561517	0.653559713
cg27277081	8	0.01844644	0.373403312	0.476395303
cg13486584	14	0.01713843	0.64506681	0.748052622
cg04723679	15	0.00627271	0.754189091	0.857162552
cg02270420	16	0.00431291	0.372150842	0.475026062
cg24969303	13	0.02183708	0.560782479	0.663620379
cg18640250	5	0.02114555	0.266179668	0.368987049
cg26985134	11	0.00161232	0.81788341	0.920645693
cg23009263	14	0.03265935	0.350324795	0.453050034
cg08533221	13	0.00458228	0.544095567	0.646812018
cg25786388	13	0.04537034	0.221791359	0.324489994
cg22288613	4	0.00884563	0.321560997	0.424233595
cg09885505	16	0.0291738	0.219971333	0.322617989
cg17224401	3	0.03398437	0.596854678	0.699488406
cg24143037	11	0.01378168	0.664267817	0.766896744
cg14613228	1	0.01349415	0.375081388	0.477661563
cg14866167	8	0.02967151	0.094407682	0.196986581
cg25728477	6	0.00766269	0.650191723	0.752747246
cg01118348	14	0.00377432	0.303427766	0.40597022
cg22611523	10	0.03244169	0.235916587	0.338451688
cg27134084	7	0.00230169	0.353393216	0.455917597
cg14502659	2	0.00651704	0.341711483	0.444172649
cg24622209	2	0.00060026	0.561325111	0.663760424
cg20030294	14	0.01517215	0.231348235	0.333782257
cg08600213	11	0.00401973	0.774038995	0.876458242
cg07591229	2	0.0444638	0.32364083	0.426045713
cg27104778	2	0.0002921	0.765466973	0.867865936
cg14910055	22	0.00840173	0.385827234	0.488211384
cg18043120	2	0.00268919	0.487092281	0.589467969
cg18261434	2	0.01214342	0.680866824	0.783212192

cg05124918	12	0.0213434	0.337996947	0.44034008
cg25449970	10	0.00438116	0.507618094	0.609940556
cg16113172	10	0.0123808	0.320787111	0.42308008
cg15162660	10	0.00034178	0.651488878	0.753768098
cg12652502	2	0.00242091	0.446046587	0.548306531
cg05636047	4	0.01237804	0.354469228	0.456710075
cg22877452	1	0.03598764	0.212906186	0.315054965
cg05473536	16	0.00587927	0.118465506	0.220609947
cg10826956	19	0.03192211	0.212596206	0.314700711
cg16957940	3	5.47E-05	0.24865043	0.350693863
cg08654960	16	0.01896703	0.132703412	0.234736124
cg24914884	2	0.00175973	0.597683249	0.699667946
cg04174091	11	0.02030471	0.268494163	0.370464543
cg13063845	13	0.00479817	0.339691309	0.441585235
cg10483871	1	0.03445659	0.174864639	0.276757396
cg12114200	13	0.03767514	0.506579196	0.608467307
cg14987431	10	0.00067908	0.229913273	0.331790425
cg04085909	10	0.02971167	0.567411973	0.669253351
cg18995042	3	0.04515655	0.423464772	0.525304565
cg21120402	2	0.03334969	0.615156346	0.716970973
cg14623910	12	0.00132031	0.551620581	0.653419324
cg13327545	10	0.00150873	0.222097775	0.3238936
cg04071270	5	0.04138543	0.359708665	0.461497042
cg19633390	13	0.04749454	0.372351249	0.47411911
cg26286365	14	0.01123417	0.237677697	0.339403179
cg12595306	15	0.00301741	0.165545079	0.267270012
cg20311682	1	0.04435728	0.643085514	0.744771204
cg21670944	8	0.00119278	0.556942398	0.658615846
cg01159194	16	0.00606289	0.678165473	0.779809257
cg15205559	4	0.02089417	0.637715686	0.739353865
cg14969063	12	0.01149769	0.753048333	0.854672208
cg07876823	6	0.01113474	0.388203349	0.489806103
cg13866214	18	0.0182895	0.117006947	0.218605649
cg16896313	15	0.02241382	0.11359113	0.215177592
cg13855454	12	0.00114335	0.344918439	0.446490546
cg24215525	12	0.01684298	0.232779404	0.334345615
cg12526091	12	0.00939542	0.324355011	0.425890455
cg24526843	6	0.00079669	0.34716264	0.448690456
cg03831289	5	0.02733362	0.119130953	0.220647828
cg04198323	2	0.0182636	0.698233874	0.799747331
cg22124368	6	0.00491641	0.668752489	0.770233304
cg01799791	17	0.00045549	0.413864299	0.515290257
cg16826307	12	0.02961785	0.190464531	0.291875984
cg21885361	7	0.00339608	0.23248116	0.333791144
cg27525438	4	0.01197843	0.662775606	0.764065919
cg27089559	6	0.02811542	0.109447463	0.210666274

cg20012848	12	0.00051268	0.679728723	0.780929395
cg16510460	3	0.00422239	0.190631646	0.291832087
cg10272731	16	0.00431071	0.691355332	0.79255288
cg05119686	10	0.0211602	0.169850381	0.271021783
cg10816543	2	0.0494505	0.699647091	0.800709937
cg18855429	10	0.03956393	0.444781252	0.545841211
cg09289820	6	0.03428043	0.54578092	0.646826688
cg14107822	6	0.03370891	0.587343108	0.688369652
cg18809274	6	0.00235117	0.514321299	0.615336725
cg13420627	9	0.02600333	0.47586799	0.576855439
cg12811617	14	0.02710962	0.182300395	0.283243075
cg15365426	2	0.0015888	0.173605662	0.274507769
cg20847228	3	0.00047842	0.440204419	0.541088188
cg21893358	11	0.00104813	0.126592877	0.227417404
cg01976921	8	0.02106131	0.413911091	0.514693838
cg13166942	14	0.04852602	0.220665859	0.32141717
cg22479161	5	0.00994794	0.419146862	0.519883854
cg08595433	7	0.00643299	0.143024828	0.243756086
cg17045044	17	0.00046	0.25160221	0.352294013
cg09021225	1	0.04002243	0.180798852	0.281457752
cg17156694	7	0.00958952	0.816949554	0.917601436
cg06903656	20	0.02136838	0.125736697	0.226374986
cg12491643	15	0.00158423	0.173725816	0.274311416
cg11650298	13	0.0305631	0.301176953	0.401750634
cg17372047	19	0.01178598	0.621055223	0.721626525
cg14651936	9	0.00833362	0.419224661	0.519789372
cg27352123	5	0.00496841	0.688613507	0.789154801
cg14283978	19	0.01247713	0.198713698	0.299247403
cg09374673	8	0.0059431	0.176338619	0.276868384
cg25898963	22	0.02498457	0.537425072	0.637946733
cg22058452	2	0.01981286	0.224662971	0.325156599
cg12854815	6	0.01780941	0.420144786	0.520609406
cg27392395	8	0.01864316	0.714939223	0.815338277
cg08848154	10	0.00140786	0.689941443	0.790337152
cg00022262	12	0.00283395	0.446720531	0.547110273
cg06489606	17	0.00062239	0.237600908	0.337988095
cg14415544	9	0.02466085	0.443316778	0.543679538
cg07029201	16	0.04892201	0.663965829	0.764317959
cg02484774	19	0.00352746	0.514161245	0.614379295
cg10758369	1	0.00990146	0.14425299	0.244467983
cg03611551	11	0.03956135	0.256009639	0.356198186
cg19254282	10	0.00033097	0.223677614	0.32384973
cg27250607	16	0.00696292	0.711854373	0.811941946
cg10978034	6	0.00200411	0.129140431	0.229227022
cg14229071	15	0.01018598	0.664013534	0.764091961
cg21032564	15	0.00199647	0.628869305	0.728929775

cg19245980	3	0.01331285	0.576417684	0.676474945
cg07175255	10	0.01399937	0.48268559	0.582729223
cg23067090	15	0.04194059	0.105637121	0.205673579
cg04920214	16	0.03005318	0.751870336	0.851879447

Hypomethylated in OA hip cluster 2

Delta Beta	Probe	Gene	CHR	adj.P-val	Mean β -value OA hip cluster 1
-0.1477149	cg02909809	A2BP1;A2BP1	16	0.00817732	0.428347581
-0.1022096	cg00962147	A2BP1;A2BP1	16	0.0280502	0.730149527
-0.168332	cg07196505	A2BP1;A2BP1	16	0.01811247	0.786559987
-0.1070992	cg00134295	A2M	12	0.01268153	0.68803709
-0.215461	cg09866565	A4GNT	3	0.00133618	0.535532003
-0.1416081	cg02766259	AACS	12	0.01246667	0.791561454
-0.1547797	cg03228145	AACSL	5	0.03807561	0.831812158
-0.2781852	cg22396850	AARSD1;AARSD1	17	5.04E-05	0.259898473
-0.1250506	cg04100956	ABCA4	1	0.01530062	0.73735127
-0.1449377	cg22081096	ABCA6;ABCA6	17	0.02825454	0.646902364
-0.1904153	cg25477497	ABCB1	7	0.0132403	0.807546284
-0.1671137	cg07861968	ABCC12;ABCC12	16	0.00354859	0.809330967
-0.1366424	cg27222669	ABCC3;ABCC3	17	0.04678037	0.752818431
-0.1473902	cg25928474	ABCC3;ABCC3	17	0.0153099	0.806815547
-0.2479078	cg24260135	ABCC8	11	0.0249264	0.707634048
-0.1636844	cg05878073	ABCD4;ABCD4	14	0.00638264	0.368099386
-0.1383721	cg02316713	ABCG1;ABCG1	21	0.01679201	0.734973742
-0.2204979	cg21052932	ABHD12B;ABHD12B	14	0.00262542	0.576304967
-0.1496662	cg25616535	ABI3;ABI3	17	0.01890416	0.494098205
-0.1029865	cg05716556	ABI3;GNGT2;GNGT2	17	0.00127637	0.644396967
-0.1186726	cg26334023	ABI3;GNGT2;GNGT2	17	0.00399707	0.6704805
-0.1842051	cg03471346	ABL2;ABL2;ABL2	1	0.0096831	0.832083499
-0.1111747	cg17056676	ABLIM1;ABLIM1	10	0.01729189	0.447262321
-0.1134212	cg19676285	ABLIM2;ABLIM2	4	0.00235626	0.58695197
-0.1054203	cg22301854	ABLIM2;ABLIM2	4	0.0018804	0.24062444
-0.1157043	cg10754215	ABLIM2;ABLIM2	4	0.00089244	0.629859689
-0.1002141	cg00245502	ABLIM3	5	0.00518495	0.515234849
-0.1131679	cg14909495	ABP1	7	0.0009415	0.298641204
-0.2048247	cg15939920	ACACA;ACACA	17	0.03211239	0.874690137
-0.1950595	cg13925686	ACAP1	17	0.0327311	0.690396832
-0.1772928	cg11807006	ACAP1	17	0.00648924	0.46542538
-0.1313432	cg04114655	ACCN4;ACCN4	2	0.03108577	0.489458066
-0.1279763	cg15736994	ACCN5	4	0.04525073	0.607815531
-0.2147586	cg16587010	ACOX2	3	0.02660761	0.625063274
-0.183306	cg09636163	ACOXL;ACOXL	2	0.00844488	0.446456067
-0.1467771	cg24187645	ACPL2;ACPL2	3	0.01035202	0.507461888
-0.1372696	cg24392132	ACRBP	12	0.00074785	0.478025285
-0.1372078	cg27571769	ACSL1	4	0.01291519	0.653140898
-0.1363735	cg18733757	ACSL5;ACSL5	10	0.01445854	0.441651029
-0.1211709	cg16066219	ACSL5;ACSL5	10	0.02780461	0.671947975

-0.1170912	cg04844987	ACSL5;ACSL5	10	0.00246976	0.482240294
-0.113603	cg10078415	ACSM3;ACSM	16	0.01233404	0.336219841
-0.1052053	cg16736889	ACSM5	16	0.02083556	0.75969625
-0.130677	cg17242351	ACTC1	15	0.00409079	0.325929044
-0.1256082	cg03220543	ACTL8	1	0.00125742	0.57108353
-0.1106566	cg04958055	ACTN1;ACTN	14	0.03979675	0.806996019
-0.1088466	cg02057747	ACTN1;ACTN	14	0.00153957	0.573762878
-0.1183297	cg26831416	ACTN4	19	0.01698989	0.715047439
-0.2343968	cg07093324	ACTR3	2	0.01110645	0.212701608
-0.1755607	cg15211996	ACTRT2	1	0.02752584	0.681792095
-0.148925	cg23879118	ACY3	11	0.02134278	0.721417037
-0.1027959	cg01240599	ACY3	11	0.0080244	0.594478699
-0.1689562	cg25282715	ADAM11	17	0.00231713	0.425019928
-0.165806	cg15342452	ADAM12;AD	10	0.00879802	0.889742959
-0.1564393	cg01823925	ADAM19	5	0.01557748	0.756471647
-0.1211587	cg08295410	ADAM19	5	0.01723745	0.80566968
-0.1184731	cg10852045	ADAM32	8	0.04734949	0.801815259
-0.2205172	cg01181233	ADAMDEC1;A	8	0.0002374	0.360108546
-0.1442884	cg27015773	ADAMTS10	19	0.03665776	0.725183922
-0.136022	cg05884870	ADAMTS17	15	0.01204914	0.604583408
-0.1043542	cg09533145	ADAMTS2	5	0.00706349	0.463404834
-0.1302428	cg14740657	ADAMTS5	21	0.019371	0.614615693
-0.1977222	cg03294207	ADAMTS5	21	0.0092796	0.749509717
-0.1062281	cg21033632	ADAMTS6	5	0.03696248	0.625414455
-0.2536214	cg16714091	ADAMTSL1;A	9	0.01010307	0.775667294
-0.2184249	cg22731190	ADAMTSL2;A	9	0.00965573	0.558993215
-0.1583752	cg27572072	ADAP1	7	0.04566199	0.493144255
-0.1316996	cg09537553	ADAP1	7	0.00850956	0.769899615
-0.2474724	cg02006134	ADAP1	7	0.00049241	0.478043558
-0.1733849	cg02123534	ADAP1	7	0.02435557	0.736912045
-0.16744	cg03754605	ADARB2	10	0.00540201	0.862065355
-0.1652453	cg20151301	ADARB2	10	0.02151372	0.732244403
-0.1519998	cg17861863	ADARB2	10	0.01392564	0.781081942
-0.1442754	cg15570021	ADARB2	10	0.04017806	0.871021088
-0.1388533	cg27429195	ADARB2	10	0.00021667	0.30806778
-0.1103564	cg07308975	ADARB2	10	0.00720342	0.508968628
-0.1026556	cg08971562	ADARB2	10	0.00352246	0.376496013
-0.1460937	cg27336068	ADARB2	10	0.00158247	0.766613413
-0.1074955	cg04012681	ADARB2	10	0.000517	0.611729415
-0.1324266	cg23099319	ADARB2	10	0.00370689	0.401357119
-0.1246079	cg02887530	ADARB2	10	0.000644	0.471134707
-0.1185525	cg07162000	ADARB2	10	0.01538294	0.745050094
-0.2137782	cg11343713	ADCY1	7	0.0024682	0.578536717
-0.1067414	cg15680973	ADCY2	5	0.0478297	0.652925125
-0.1072246	cg03485674	ADCY7	16	0.01269486	0.719714102
-0.1116672	cg16548911	ADCY7	16	0.04710967	0.821898829

-0.1365066	cg10341242	ADCY7	16	0.01659684	0.817213579
-0.1729557	cg07644321	ADD1;ADD1;	4	0.01400724	0.67320452
-0.1419445	cg18994606	ADD3;ADD3;	10	0.04067782	0.826248963
-0.1222803	cg12011299	ADH4	4	0.00285274	0.595640417
-0.1121334	cg07911953	ADK;ADK	10	0.00273937	0.264655777
-0.1442149	cg02181247	ADM	11	0.00749117	0.319484243
-0.2169265	cg17127015	ADPGK;ADPC	15	0.00242367	0.904868464
-0.1208856	cg26389958	ADPRHL1;AD	13	0.02280539	0.826537913
-0.1361182	cg23328194	ADRA1A;ADF	8	0.00700527	0.563642808
-0.1316325	cg17979970	ADRA1B	5	0.00776571	0.632031391
-0.1146284	cg23497683	AFF3	2	0.02265478	0.739624516
-0.1117606	cg09976051	AGA	4	0.03826471	0.835653532
-0.1271208	cg26521139	AGAP1;AGAF	2	0.01678934	0.628009797
-0.2451932	cg09973986	AGAP2	12	0.01684615	0.410137723
-0.1358083	cg10932874	AGAP2	12	0.00226672	0.25626754
-0.1035125	cg22505898	AGAP2	12	0.01836976	0.630955678
-0.1339644	cg22199080	AGAP2	12	0.00116285	0.349129731
-0.1040756	cg21351392	AGPAT4	6	0.02515593	0.806553579
-0.1436503	cg14252395	AGRN	1	0.02010938	0.682776979
-0.1326486	cg24371033	AGXT	2	0.00144944	0.271782491
-0.1297088	cg03822873	AHCYL2;AHC	7	0.00220544	0.729030694
-0.1284989	cg25272143	AHNAK	11	0.00574229	0.293354551
-0.1075952	cg16509239	AHNAK	11	0.02700779	0.376142541
-0.2106024	cg06799735	AHNAK2	14	0.03677381	0.584597817
-0.187846	cg13534901	AHR	7	0.00146331	0.393316621
-0.1806916	cg11902777	AHRR	5	0.00138064	0.336530398
-0.1464641	cg23916896	AHRR	5	0.00171914	0.739302351
-0.162052	cg07195224	AIM2	1	0.03810414	0.560392314
-0.1392813	cg00490406	AIM2	1	0.03467725	0.836232016
-0.1073057	cg21747271	AIP	11	0.00941718	0.41774101
-0.1196271	cg21052656	AIP	11	0.00235878	0.566750891
-0.109295	cg12065943	AKAP10	17	0.01354908	0.392182957
-0.1909665	cg14003853	AKAP13;AKA	15	0.03772015	0.543726847
-0.1836839	cg05254518	AKAP13;AKA	15	0.00103823	0.593300943
-0.1053892	cg11496569	AKT3;AKT3	1	0.03972577	0.710982311
-0.147722	cg11314684	AKT3;AKT3	1	0.01183749	0.619361529
-0.1311524	cg04329347	ALDOA	16	0.01398739	0.564635194
-0.1071072	cg06400255	ALDOA	16	0.00937644	0.82008881
-0.1552311	cg19600442	ALG1L2	3	0.0029927	0.72993237
-0.2095174	cg18780653	ALG1L2	3	0.00158247	0.440007204
-0.1079642	cg20954219	ALK	2	0.00040855	0.454373279
-0.1217513	cg05977776	ALLC	2	0.00200375	0.664944486
-0.1514414	cg01307555	ALMS1P	2	0.0295834	0.516180387
-0.127327	cg03528016	ALMS1P	2	0.00276598	0.645220708
-0.1098437	cg06835483	ALOX12B	17	0.01145764	0.28866266
-0.1085121	cg15834952	ALOX12P2	17	0.01361819	0.473281452

-0.1264906	cg20103124	ALOX5AP	13	0.01156455	0.559448303
-0.2390025	cg13306478	ALOX5AP	13	0.01181766	0.661673036
-0.1877441	cg24722348	ALPL;ALPL	1	0.02146969	0.517605207
-0.1701919	cg12466599	ALPL;ALPL	1	0.00681997	0.709910508
-0.1365138	cg16413687	ALX1	12	0.00637228	0.704707106
-0.1192867	cg03781931	ALX1	12	0.00090542	0.533934919
-0.1079883	cg06809252	ALX3	1	0.01415886	0.559156641
-0.1032115	cg15522957	ALX4	11	0.00459962	0.564463408
-0.1842345	cg16360777	AMBN	4	3.75E-05	0.374212548
-0.1249961	cg13003878	AMBP	9	0.01322842	0.776232345
-0.1231832	cg20090290	AMBRA1	11	0.02132239	0.84207862
-0.1044918	cg27137887	AMBRA1	11	0.00031883	0.510963504
-0.100193	cg24374161	AMBRA1	11	0.00104745	0.501573304
-0.142357	cg26921482	AMDHD2;AM	16	0.03025158	0.430428063
-0.127203	cg15794034	AMICA1;AMI	11	0.00438507	0.406377792
-0.1229487	cg13751113	AMICA1;AMI	11	0.01142456	0.641876879
-0.1191142	cg07376232	AMICA1;AMI	11	0.01060618	0.653054905
-0.1039633	cg24552844	AMICA1;AMI	11	0.02481956	0.546178253
-0.1474151	cg11936554	AMMECR1L	2	0.01160595	0.88685076
-0.1343254	cg25968076	AMPD3;AMP	11	0.01240505	0.542295204
-0.1183346	cg23092449	AMPH;AMPH	7	0.00313488	0.420526191
-0.1032068	cg21823502	ANAPC11;AN	17	0.02181711	0.749869267
-0.1342525	cg09396217	ANGPT1	8	0.01377297	0.540268693
-0.1100108	cg27616227	ANGPT1	8	0.00044757	0.624885765
-0.1097105	cg03245734	ANGPT1;ANC	8	0.00171787	0.226362015
-0.1089035	cg02402368	ANGPT2;ANC	8	0.00207283	0.29293694
-0.1652387	cg08521995	ANK1;ANK1;J	8	0.00282121	0.522444776
-0.1219192	cg02060584	ANK2;ANK2;J	4	0.00974657	0.227567733
-0.1053664	cg22164298	ANK2;ANK2;J	4	0.0422602	0.857292094
-0.1171338	cg26110900	ANK3	10	0.02601017	0.734667215
-0.1029481	cg05093576	ANKFN1	17	0.04799362	0.693611174
-0.185324	cg16671421	ANKHD1;ANK	5	0.04268145	0.717242379
-0.1108475	cg23075597	ANKLE2	12	0.01559161	0.923201641
-0.1600943	cg24065504	ANKRD22	10	0.00603201	0.563872852
-0.1123546	cg15701085	ANKRD24	19	0.01002355	0.483522018
-0.1100664	cg01442620	ANKRD27	19	0.02622614	0.644491808
-0.2107025	cg04278110	ANKRD44	2	0.03314207	0.596459457
-0.1765747	cg16411361	ANKRD44	2	0.02052516	0.770797504
-0.1396977	cg13941760	ANKRD44	2	0.00650129	0.640401168
-0.1917367	cg04739880	ANKS1A	6	0.04027396	0.594101716
-0.1821696	cg00794673	ANKS1A	6	0.00272111	0.706409396
-0.1448777	cg07638857	ANKS1B;ANK	12	0.03497117	0.70667265
-0.1266263	cg10075976	ANKS1B;ANK	12	0.03449503	0.267689457
-0.1048783	cg03501666	ANKS1B;ANK	12	0.01817928	0.383341994
-0.1024934	cg26401673	ANO10	3	0.00176668	0.82093049
-0.1004001	cg20959403	ANO4	12	0.02908073	0.60084961

-0.1818792	cg02278646	ANO6;ANO6;	12	0.00661577	0.633877529
-0.2157974	cg00381789	ANO9	11	0.01459967	0.839997791
-0.1911619	cg23258615	ANXA11;ANX	10	0.00507301	0.718572847
-0.1090042	cg20366110	ANXA13;ANX	8	0.00816936	0.643401547
-0.1392895	cg19130824	ANXA5	4	0.00681997	0.758210747
-0.1103244	cg05999993	AOAH	7	0.02218364	0.51393739
-0.1584473	cg02415661	AP1M1;AP1M	19	0.01189755	0.643984775
-0.1503616	cg11100795	AP3B1	5	0.03786012	0.46154774
-0.1213365	cg19175742	AP3B2	15	0.03160783	0.557382627
-0.1046743	cg02349866	AP3S2;AP3S2	15	0.00330367	0.760688959
-0.1681617	cg18385440	APBA2;APBA	15	0.00429258	0.434950133
-0.1878339	cg08908089	APBA2;APBA	15	0.00602405	0.61684999
-0.1041475	cg06457633	APBB1IP	10	0.00333269	0.740649349
-0.1266975	cg06970472	APBB2;APBB	4	0.00040622	0.341979446
-0.119473	cg14290210	APBB2;APBB	4	0.00676378	0.805635049
-0.1172116	cg00074348	APLNR;APLN	11	0.00398275	0.576875295
-0.1343817	cg25354657	APLP2;APLP2	11	0.02057369	0.803324471
-0.1279658	cg23729763	APLP2;APLP2	11	0.00391106	0.563689831
-0.1327641	cg16332159	APOB48R	16	0.00603619	0.588973817
-0.1098992	cg08923160	APOB48R	16	0.00916622	0.779318709
-0.1013397	cg24360617	APOBEC3A	22	0.00156014	0.38694936
-0.1340303	cg10316474	APOBEC3C	22	0.00034236	0.255125138
-0.1337517	cg16066354	APOBEC3D;A	22	0.00134623	0.2926506
-0.1121915	cg09135399	APOBEC3H;A	22	0.00384448	0.452180764
-0.1217853	cg11911305	APOC1P1;AP	19	0.01441953	0.60235098
-0.1111466	cg08415592	APOL1;APOL	22	0.04747953	0.712064591
-0.1739955	cg07713361	APOL1;APOL	22	0.00778787	0.327919119
-0.1645975	cg26758857	APOL1;APOL	22	0.00023669	0.341129723
-0.1419432	cg15245051	APOL3;APOL	22	0.02166115	0.648513275
-0.1360125	cg14690065	APOL6	22	0.02464817	0.568344606
-0.1135765	cg09432376	APOL6	22	0.01163152	0.662242594
-0.1286737	cg05963604	APPL1	3	0.01824538	0.346463373
-0.1553057	cg20176648	AQP1	7	0.00032114	0.393857758
-0.1307969	cg26923410	AQP1	7	0.00140376	0.330473289
-0.1044306	cg00622010	AQP1	7	0.00022303	0.668160475
-0.1054589	cg07135629	AQP1	7	0.00392583	0.786753272
-0.1044606	cg10132917	AQP1	7	0.01121458	0.769774631
-0.1879161	cg09676669	AQP1	7	0.00010292	0.396400724
-0.1105473	cg15373767	AQP1	7	0.00055599	0.4764332
-0.1077935	cg18307978	AQP1	7	0.0002722	0.691957601
-0.1133488	cg25230363	AQP1	7	0.00239252	0.60785544
-0.1092452	cg25075794	AQP1	7	0.00107488	0.654905906
-0.1572105	cg04372674	AQP1	7	0.00132594	0.641007591
-0.12595	cg18080604	AQP1;AQP1	7	0.00091639	0.341683314
-0.1545604	cg11827925	AQP1;AQP1	7	0.00399567	0.57716682
-0.2387713	cg12153755	ARAP3	5	0.00398525	0.846345601

-0.124603	cg00069642	ARAP3	5	0.00795469	0.775400312
-0.1031592	cg27006721	ARHGAP22	10	0.00191197	0.612804748
-0.1342184	cg13889934	ARHGAP24;A	4	6.33E-05	0.285164476
-0.2410546	cg21446955	ARHGAP24;A	4	5.88E-05	0.255497461
-0.1933366	cg12093662	ARHGAP25;A	2	0.00695241	0.686027994
-0.1963403	cg26238936	ARHGAP25;A	2	0.01537454	0.810808835
-0.1363181	cg15477363	ARHGAP25;A	2	0.02176255	0.835798902
-0.1201669	cg05395210	ARHGAP25;A	2	0.03262941	0.734279943
-0.1193939	cg15361661	ARHGAP25;A	2	0.00852227	0.639593376
-0.1160647	cg13339825	ARHGAP25;A	2	0.01987144	0.67761751
-0.104443	cg08991742	ARHGAP25;A	2	0.0171651	0.737171355
-0.1113631	cg25070482	ARHGAP25;A	2	0.00631667	0.475529612
-0.1291507	cg14555350	ARHGAP26;A	5	0.02137739	0.824109668
-0.1264284	cg05185926	ARHGAP26;A	5	0.00571958	0.501135953
-0.1234118	cg22184990	ARHGAP26;A	5	0.00145594	0.824440474
-0.1009488	cg07837534	ARHGAP30;A	1	0.00315753	0.44632139
-0.2393448	cg00045607	ARHGAP30;A	1	0.00448571	0.703389235
-0.2161449	cg03089651	ARHGAP30;A	1	0.00668256	0.720137017
-0.1686135	cg06395232	ARHGDIB	12	0.00813856	0.845686967
-0.1683374	cg22614759	ARHGDIB	12	0.02269745	0.809282454
-0.141275	cg15450139	ARHGDIB	12	0.0149212	0.759631343
-0.1376347	cg20917083	ARHGDIB	12	0.00124399	0.444252115
-0.1350955	cg02428506	ARHGDIG;PD	16	0.0159888	0.71003748
-0.132664	cg11806633	ARHGEF10L	1	0.02901355	0.752367019
-0.1231141	cg22524332	ARHGEF10L;A	1	0.03838496	0.678276358
-0.1064351	cg07233343	ARHGEF10L;A	1	0.03664769	0.620997858
-0.1764564	cg15269721	ARHGEF15	17	0.00751159	0.376404426
-0.1708868	cg02731917	ARHGEF16	1	0.04305445	0.803502415
-0.1363901	cg15496388	ARHGEF2;AR	1	0.00630778	0.485340916
-0.1081722	cg11229273	ARHGEF3	3	0.01167409	0.339203555
-0.1078328	cg21077300	ARHGEF3;AR	3	0.00472755	0.357025486
-0.1219683	cg25799109	ARHGEF3;SP	3	0.01258965	0.276505343
-0.1574662	cg14446494	ARHGEF4;AR	2	0.01571387	0.694793345
-0.1244762	cg18754629	ARHGEF4;AR	2	0.00031908	0.554589587
-0.1216132	cg18973247	ARID1A;ARID	1	0.00074287	0.255250621
-0.1195548	cg01774027	ARID3A	19	0.03589883	0.861912546
-0.1144108	cg24495062	ARID5B	10	0.04756314	0.579350675
-0.1063728	cg18522931	ARID5B	10	0.03122271	0.755849028
-0.1378969	cg11287647	ARL4A;ARL4A	7	0.02467791	0.483394482
-0.1248418	cg15016771	ARL4C;ARL4C	2	0.00015312	0.317437828
-0.1653627	cg05204104	ARL4C;ARL4C	2	0.01173077	0.685212372
-0.1131329	cg06795960	ARL4D	17	0.01145764	0.706514339
-0.2112745	cg10721492	ARL8B	3	0.0303962	0.398331046
-0.1966807	cg04642300	ARMC2	6	0.00542557	0.453725942
-0.1190232	cg20057782	ARMC4	10	0.03387083	0.362361637
-0.1072568	cg19708986	ARNT2	15	0.000522	0.697570115

-0.1048529	cg21756647	ARRB1;ARRB	11	0.01197221	0.480881058
-0.1084426	cg14135809	ARRDC1	9	0.01345401	0.743798168
-0.103852	cg23482747	ARRDC2	19	0.00275887	0.738458783
-0.1082576	cg00970435	ARSG	17	0.00188756	0.544013659
-0.1829598	cg17918314	ARTN;ARTN;	1	0.00048139	0.473410061
-0.118364	cg26038514	ASAP1	8	0.01648282	0.765653527
-0.1143275	cg19426625	ASAP2;ASAP2	2	0.02116614	0.790762891
-0.1461755	cg23902076	ASAP2;ASAP2	2	0.02698902	0.786307298
-0.1244861	cg00013804	ASAP2;ASAP2	2	0.00598235	0.793176247
-0.1099475	cg17056069	ASAP2;ASAP2	2	0.03681101	0.850044603
-0.1637289	cg18008487	ASB4;ASB4	7	0.02636266	0.599562616
-0.1243465	cg14089110	ASGR2;ASGR	17	0.006233	0.323995759
-0.156984	cg14516287	ASTN2;ASTN2	9	0.01750122	0.624460235
-0.1408305	cg13798621	ATAD3C	1	0.01124629	0.375334502
-0.1124342	cg07676329	ATCAY	19	0.00217729	0.41762809
-0.1576226	cg10985914	ATF3	1	0.01126334	0.630713112
-0.1496208	cg17519280	ATG12	5	0.01274795	0.280711292
-0.1454618	cg00458449	ATG4B;ATG4	2	0.00103052	0.808097048
-0.1796492	cg22683036	ATG4C;ATG4	1	0.01268602	0.324533609
-0.1071745	cg06366791	ATG4C;ATG4	1	0.00127243	0.255353269
-0.3173366	cg24082680	ATG4C;ATG4	1	0.00839965	0.348558042
-0.1381877	cg12120750	ATG7;ATG7;	3	0.00771692	0.707880962
-0.1415165	cg14761454	ATM;NPAT	11	0.0025909	0.346767758
-0.1670133	cg13629358	ATP10B	5	0.00146982	0.431324974
-0.140253	cg07343790	ATP11A;ATP1	13	0.03172286	0.686021757
-0.1289358	cg06956052	ATP1A4	1	0.00467735	0.428811206
-0.116911	cg17589633	ATP2B4;ATP2	1	0.0194858	0.623856294
-0.1547082	cg05299486	ATP6V0A1;A	17	0.00606967	0.57093894
-0.1351503	cg02460419	ATP6V0A2	12	0.03034357	0.756727301
-0.1294738	cg27150460	ATP6V0D1	16	0.01566558	0.522863422
-0.1192424	cg07871059	ATP6V0D1;A	16	0.02583317	0.47134974
-0.1771528	cg00319692	ATP6V0D2	8	0.00225599	0.736210325
-0.1107828	cg07554478	ATP6V1A	3	0.02064104	0.734684029
-0.1121427	cg03107235	ATP8A2	13	0.03248096	0.471210479
-0.109111	cg05868813	ATP8A2	13	0.00082972	0.767762879
-0.1009642	cg12384004	ATP8A2	13	0.0056887	0.722933868
-0.1056331	cg23671196	ATP8B4	15	0.03618938	0.86248621
-0.222743	cg21380183	ATP9A	20	0.03621558	0.585146947
-0.1381513	cg07339236	ATP9A	20	0.00639795	0.820303826
-0.1376064	cg20663852	ATP9A	20	0.01376677	0.51471629
-0.1336669	cg19344315	ATXN1;ATXN	6	0.0023322	0.820136175
-0.117245	cg22274117	ATXN1;ATXN	6	0.00271823	0.601269069
-0.1252828	cg07932199	ATXN2	12	0.00162255	0.372623331
-0.1022607	cg00834988	AUTS2;AUTS2	7	0.0181581	0.744504483
-0.1245068	cg21557473	AUTS2;AUTS2	7	0.00787167	0.851500649
-0.1046765	cg04046364	AVIL	12	0.00235249	0.310390205

-0.1403358	cg06317209	AVIL	12	0.02599949	0.653783937
-0.1097699	cg15610437	AZU1	19	0.02017183	0.595643338
-0.1737283	cg10752406	AZU1	19	0.0006373	0.484152763
-0.1589918	cg24123679	AZU1	19	0.00232971	0.463912203
-0.1432589	cg26390598	B3GALT5;B3G	21	0.01058035	0.416657213
-0.1160752	cg08539737	B3GAT1;B3G	11	0.0106425	0.833302878
-0.1147244	cg13567349	B3GAT1;B3G	11	0.00353995	0.614337125
-0.1413951	cg24391854	B3GAT1;B3G	11	0.008281	0.755504879
-0.1134007	cg22212839	B3GAT1;B3G	11	0.01319677	0.566525081
-0.1027661	cg27121870	B3GAT1;B3G	11	0.00183526	0.607905954
-0.1554203	cg19203115	B4GALT6	18	0.02626132	0.360557362
-0.137949	cg17486314	BACH2;BACH	6	0.00855321	0.51785212
-0.1069561	cg18477569	BACH2;BACH	6	0.03109403	0.585633658
-0.1049685	cg01810575	BAHCC1	17	0.01326417	0.639375889
-0.1270463	cg27551910	BAIAP2;BAIA	17	0.03186875	0.621797103
-0.1247322	cg13739640	BAIAP2;BAIA	17	0.01044404	0.859155477
-0.1826659	cg22902266	BARX1	9	0.00010668	0.575864385
-0.1425942	cg14374754	BARX1	9	0.00211565	0.631942479
-0.2112764	cg07355688	BARX2	11	0.00164445	0.375484575
-0.1195227	cg11854007	BASE	20	0.02464439	0.438299339
-0.1191405	cg16281534	BASP1	5	0.0021132	0.709351152
-0.1120383	cg04536765	BAT3;BAT3;B	6	0.00756735	0.786646663
-0.1245793	cg21531300	BATF;BATF	14	0.0234129	0.50991146
-0.1071128	cg04006266	BBS1	11	0.01163766	0.278217774
-0.2523044	cg22161706	BBS9;BBS9;B	7	0.01821182	0.875385822
-0.2439837	cg10495683	BCAR3	1	0.04272798	0.866053611
-0.2221822	cg19457909	BCAS3;BCAS3	17	0.00338491	0.742216354
-0.1931122	cg24965479	BCAS3;BCAS3	17	0.00299128	0.410130407
-0.1724719	cg22214889	BCAS4;BCAS4	20	0.00048058	0.299631891
-0.1723207	cg16102247	BCHE;BCHE	3	0.00318772	0.285024474
-0.1718029	cg24244747	BCKDHB;BCK	6	0.00309783	0.792789523
-0.1551315	cg01636910	BCL10	1	0.02250636	0.746050715
-0.1392589	cg00543073	BCL11A;BCL1	2	0.00278777	0.783017518
-0.1153908	cg17753356	BCL11A;BCL1	2	0.02315061	0.461947219
-0.1125671	cg17935536	BCL11A;BCL1	2	0.01203623	0.682702618
-0.1098732	cg13758331	BCL2L11;BCL	2	0.00838334	0.459720196
-0.1074544	cg01175610	BCL2L14;BCL	12	0.01811247	0.872887226
-0.1056908	cg27087650	BCL3	19	0.01441129	0.528027671
-0.1460546	cg10020892	BCL9	1	0.03950551	0.577866323
-0.1415493	cg01544877	BCLAF1;BCLA	6	0.01685719	0.875036667
-0.1292375	cg24002907	BCO2;BCO2	11	0.03228781	0.397615615
-0.1238755	cg18336365	BCR;BCR	22	0.00207981	0.606962373
-0.1150469	cg00919591	BCR;BCR	22	0.00054128	0.596150993
-0.1080133	cg06256596	BEAN	16	0.00863859	0.515462703
-0.1018526	cg13521842	BEGAIN	14	0.0057658	0.334709864
-0.1763302	cg12497190	BEND6	6	0.00716837	0.238530603

-0.1305037	cg00658449	BEYLA;BEYLA	8	0.03864486	0.430463044
-0.2564184	cg23729443	BGLAP	1	0.00071142	0.412872778
-0.1870701	cg09996284	BGLAP	1	0.00542179	0.644629018
-0.1532335	cg11519176	BGLAP	1	0.00882101	0.740428115
-0.1494745	cg12342675	BICC1	10	0.01018454	0.887144012
-0.148249	cg08466030	BICC1	10	0.00076629	0.868180751
-0.1298804	cg22641201	BICC1	10	0.01449636	0.422562645
-0.1159236	cg07690768	BICD1;BICD1	12	0.00988383	0.845308116
-0.1072461	cg24890964	BLCAP;BLCAF	20	0.00434474	0.641896162
-0.1029846	cg08901339	BLNK;BLNK;B	10	0.0420878	0.575288033
-0.1728759	cg06685411	BLVRA	7	0.01398655	0.454705218
-0.124133	cg07321467	BMP3	4	0.04564918	0.495256336
-0.1090965	cg04937184	BMP4;BMP4	14	0.00150232	0.483529655
-0.1984092	cg10413224	BMPER	7	0.00780259	0.51638043
-0.1027696	cg09807875	BMPER	7	0.03430299	0.38489048
-0.1112758	cg06941037	BMPR1A	10	0.04343804	0.489857542
-0.1920441	cg06024391	BPGM;BPGM	7	0.00476497	0.808190991
-0.1184156	cg02983911	BPI	20	0.01098829	0.783375054
-0.1318325	cg26534847	BPI	20	0.01060723	0.488196877
-0.1018189	cg16451371	BPIL2	22	0.00548231	0.506892221
-0.1899178	cg02935097	BRDT	1	0.04912491	0.796992013
-0.100499	cg16185457	BRE;BRE;BRE	2	0.00982526	0.875541935
-0.2859824	cg17416644	BRSK2	11	0.0414885	0.346825189
-0.1611068	cg18735473	BRUNOL4;BR	18	0.02044136	0.47293943
-0.1095197	ch.21.551389R	BRWD1;BRW	21	0.01040392	0.154965749
-0.1348084	cg24375690	BSPH1	19	0.00043465	0.568704105
-0.1328392	cg20092122	BST2	19	0.0006858	0.289170993
-0.1171268	cg03505817	BTBD7	14	0.01162334	0.818217023
-0.1107635	cg22198603	BTBD9;BTBD9	6	0.01356927	0.772557803
-0.101796	cg01269795	BTN3A3;BTN	6	0.0278622	0.763038826
-0.1616439	cg09514561	BTNL2	6	0.03136777	0.423512584
-0.1349214	cg01882933	BTNL9	5	0.0126551	0.587572436
-0.1397533	cg04337854	BVES	6	0.01221135	0.658448107
-0.1368707	cg04764597	C10orf107	10	0.00354612	0.44720276
-0.1246693	cg08754149	C10orf11	10	0.01025043	0.819442814
-0.1055462	cg23499955	C10orf128	10	0.00266876	0.663191586
-0.1142238	cg26686009	C10orf25;ZNF	10	0.03210503	0.487909033
-0.2719276	cg10548978	C10orf27;C10	10	0.03000192	0.852793287
-0.2296122	cg03936104	C10orf41;C10	10	0.00235633	0.60204864
-0.2176071	cg23282441	C10orf54;CD	10	0.03116233	0.730191325
-0.196399	cg18861767	C10orf58;C10	10	0.04136285	0.633823457
-0.1946805	cg10627429	C10orf81	10	0.01493527	0.696729771
-0.1619627	cg11204562	C10orf81	10	0.00490519	0.839988194
-0.1542733	cg23266598	C10orf90	10	0.00071142	0.320691089
-0.1516475	cg14304336	C10orf90	10	0.00168732	0.43832442
-0.1497956	cg04507071	C10orf90	10	0.00994047	0.795962631

-0.1398016	cg15834395	C10orf91	10	0.00468127	0.595835321
-0.1329279	cg08720746	C10orf93	10	0.04431906	0.591704141
-0.1275006	cg08273740	C11orf21;TSF	11	0.03025608	0.745592062
-0.1176421	cg14510967	C11orf21;TSF	11	0.03827303	0.794133947
-0.1101594	cg05509777	C11orf21;TSF	11	0.00733558	0.560688147
-0.1008459	cg15818008	C11orf34	11	0.00444773	0.649573874
-0.1909568	cg12490907	C11orf41	11	0.00033097	0.653435803
-0.1024899	cg02636947	C11orf53	11	0.00032077	0.51327613
-0.2167685	cg12895631	C11orf75	11	0.03780444	0.765021421
-0.1488361	cg07188648	C11orf88;C11	11	0.00106511	0.473637033
-0.1612648	cg15533046	C12orf34	12	0.04002243	0.651266747
-0.1370667	cg02742775	C12orf34	12	0.00399923	0.585067445
-0.2003484	cg12051956	C12orf53	12	0.00689763	0.676526393
-0.1153192	cg03132202	C12orf56;C12	12	0.00151625	0.439323188
-0.1513995	cg11649679	C12orf72;C12	12	0.00063697	0.222659094
-0.1385082	cg02873991	C12orf77	12	0.04004962	0.547729744
-0.1102867	cg09166410	C13orf16	13	0.00337067	0.542018067
-0.1011955	cg08990474	C13orf35	13	0.03576093	0.777239143
-0.1705522	cg01139586	C14orf102;C14	14	0.0119905	0.445473877
-0.1328407	cg24169915	C14orf177;C14	14	0.00014848	0.414824154
-0.1174113	cg18709904	C14orf182	14	0.03127222	0.824851064
-0.1109237	cg05374809	C14orf23	14	0.00998331	0.232293226
-0.1484426	cg03472898	C14orf23;C14	14	0.0095099	0.240367313
-0.1049722	cg10883375	C14orf43;C14	14	0.01345018	0.594886195
-0.1819424	cg00859280	C14orf70	14	0.00019723	0.224411416
-0.1030806	cg03565081	C14orf93;C14	14	0.01099652	0.501597511
-0.1787979	cg23482746	C15orf27	15	0.00502589	0.648760628
-0.212063	cg00202460	C15orf40;C15	15	0.0194821	0.5108794
-0.192117	cg11429271	C15orf48;C15	15	0.01362838	0.341239937
-0.1775375	cg12609829	C15orf53	15	0.00873052	0.792116159
-0.1419417	cg12056138	C15orf60	15	0.03279217	0.887822001
-0.1406468	cg27129984	C16orf38	16	0.00403058	0.459827957
-0.1389332	cg09897970	C16orf54	16	0.0124695	0.675439607
-0.1388134	cg02319067	C16orf54	16	0.00128966	0.521231283
-0.1338905	cg26285698	C16orf54;C16	16	0.0101934	0.437370713
-0.1322664	cg07835443	C16orf55	16	0.01632081	0.523597694
-0.1116198	cg04616793	C16orf68	16	0.01532955	0.451313021
-0.1079428	cg24642468	C16orf78	16	0.00144184	0.360265993
-0.1019119	cg25490145	C17orf101;C17	17	0.00376975	0.787072149
-0.1488688	cg21465176	C17orf101;C17	17	0.00618205	0.761234912
-0.1293631	cg01435401	C17orf97	17	0.00050556	0.555047224
-0.1226172	cg18382305	C18orf34;C18	18	0.02066579	0.605924054
-0.1356194	cg27638057	C18orf45	18	0.02059713	0.638592551
-0.1745829	cg19584038	C19orf28;C19	19	0.01755597	0.682090116
-0.114092	cg13689560	C19orf36;MC	19	0.00196015	0.733205324
-0.1547515	cg20631044	C19orf54;SNR	19	0.00790963	0.624415669

-0.108219	cg17661462	C19orf59	19	0.04989479	0.659741376
-0.129934	cg07723365	C19orf59	19	0.02383442	0.543014588
-0.1449073	cg03470073	C19orf59	19	0.01230088	0.578970052
-0.1201818	cg12571879	C19orf59;C19	19	0.00963944	0.582917947
-0.1238126	cg05344495	C19orf77	19	0.02007054	0.284708231
-0.1635218	cg06834507	C1orf106;C19	1	0.02671736	0.785228861
-0.1499967	cg09163369	C1orf107	1	0.01204487	0.458468003
-0.2009012	cg17518550	C1orf150	1	0.02582472	0.676417945
-0.1841476	cg16385583	C1orf150	1	0.00331688	0.690535787
-0.1759086	cg23068939	C1orf162	1	0.03524618	0.692784356
-0.1048174	cg18886157	C1orf174	1	0.03505794	0.794396155
-0.1251086	cg19375403	C1orf174	1	0.00474952	0.777888883
-0.1039319	cg00231528	C1orf200;PIK	1	0.0017171	0.394948508
-0.1211978	cg08854008	C1orf200;PIK	1	0.00144109	0.557192132
-0.1123308	cg21118367	C1orf21	1	0.00621109	0.335040862
-0.102343	cg24158160	C1orf230	1	0.0112218	0.437639716
-0.2136511	cg05643188	C1orf53	1	0.02144792	0.613397804
-0.2882401	cg15832577	C1orf53	1	0.04182764	0.723143742
-0.1535647	cg03081691	C1orf55	1	0.02014728	0.829409901
-0.1461176	cg26788737	C1orf55	1	0.03047547	0.387520288
-0.1316915	cg22706106	C1orf77;S100	1	0.03867735	0.683843237
-0.1289095	cg24931346	C1QB	1	0.01033537	0.681303037
-0.1230725	cg12760869	C1QL4	12	0.00156337	0.501602094
-0.1217	cg05003411	C1QTNF7;C1Q	4	0.00118251	0.835618662
-0.1184118	cg15013617	C20orf141	20	9.51E-05	0.317761562
-0.1177316	cg18157896	C20orf141;LC	20	0.00022274	0.497389609
-0.1178346	cg05890956	C20orf186	20	0.02248305	0.674078981
-0.1110437	cg11316100	C20orf24;C20	20	0.02614489	0.484156537
-0.1508774	cg11382945	C20orf26;C20	20	0.01888804	0.48509152
-0.1919371	cg01319701	C20orf54	20	0.00338568	0.391578556
-0.1135106	cg01479232	C20orf54;C20	20	0.00645171	0.628038247
-0.2092629	cg10500737	C21orf34;C21	21	0.00439311	0.226165887
-0.1360071	cg14065109	C21orf57	21	0.01319045	0.609535
-0.1110074	cg20762729	C21orf7	21	0.03082188	0.759344415
-0.2401569	cg08416522	C21orf7	21	0.00140048	0.628131713
-0.1940235	cg22088368	C22orf33;C22	22	0.02622996	0.782532748
-0.1510901	cg00083659	C22orf33;C22	22	0.04306416	0.605918002
-0.1360533	cg11466708	C22orf43	22	0.00939909	0.754966101
-0.133513	cg05249836	C22orf9;C22o	22	0.04587727	0.722838762
-0.1300903	cg19390317	C2CD2;C2CD1	21	0.01697469	0.689501976
-0.1198591	cg18565216	C2CD2;C2CD1	21	7.39E-05	0.295240866
-0.1160332	cg26174797	C2orf53	2	0.00431366	0.556912945
-0.2169232	cg18755020	C2orf54;C2oi	2	0.03569713	0.724722933
-0.1198693	cg04499514	C3AR1	12	0.01589797	0.481920529
-0.1481031	cg24618514	C3orf21	3	0.01139254	0.413963432
-0.1278781	cg20749576	C3orf27	3	0.00598789	0.404070688

-0.1442686	cg11118413	C3orf27	3	0.00016426	0.330919855
-0.1238439	cg16217908	C3orf52	3	0.00982185	0.326252125
-0.145484	cg13916298	C3orf66	3	0.00393932	0.623482228
-0.1380374	cg13371456	C4orf22	4	0.04808178	0.732344697
-0.1129783	cg13521077	C4orf22	4	0.02867065	0.370014493
-0.1086921	cg10224107	C5AR1;C5AR1	19	0.00115667	0.427757218
-0.1455917	cg08470180	C5orf24;C5orf24	5	0.0077681	0.52810778
-0.2153767	cg04871807	C5orf27	5	0.00589897	0.832577585
-0.1746554	cg00287773	C5orf32	5	0.00377323	0.55608851
-0.1541424	cg24686270	C5orf46	5	0.01347306	0.539385236
-0.1364509	cg00090135	C5orf49	5	0.02554586	0.780278095
-0.1214824	cg04706201	C5orf56	5	0.01938567	0.849533836
-0.1121608	cg21171858	C5orf56	5	0.02557313	0.72428546
-0.1101971	cg03653573	C5orf56	5	0.01249893	0.438603135
-0.103968	cg16646054	C5orf62	5	0.0482765	0.540243834
-0.1005196	cg04051335	C5orf62	5	0.00846859	0.776647526
-0.1212264	cg16564946	C6orf10	6	0.00562293	0.871024204
-0.1351558	cg06192961	C6orf10	6	0.03996682	0.591686093
-0.2083751	cg06858835	C6orf103	6	0.00536144	0.771860738
-0.1930782	cg08421910	C6orf105;C6orf105	6	0.03102662	0.767634503
-0.1663118	cg15601361	C6orf105;C6orf105	6	0.01381849	0.468614775
-0.1646692	cg20589862	C6orf115	6	0.00047271	0.474944172
-0.1301494	cg25534601	C6orf123	6	0.03008269	0.641906348
-0.122258	cg09931909	C6orf150	6	0.04286169	0.827003983
-0.1154492	cg02407372	C6orf164	6	0.0142029	0.432357109
-0.112455	cg19635401	C6orf204;PLN	6	0.00328249	0.620060819
-0.1201161	cg20048521	C6orf221	6	0.0218195	0.620273072
-0.1277938	cg18496965	C6orf25;C6orf25	6	0.00953247	0.794315304
-0.1179143	cg01339648	C6orf25;C6orf25	6	0.00467503	0.483291886
-0.1386359	cg18997124	C6orf27	6	0.01972069	0.748988975
-0.1502701	cg13541527	C6orf48;C6orf48	6	0.01029699	0.454304569
-0.2001266	cg10504632	C7orf10	7	0.01299946	0.360024345
-0.2851622	cg21495349	C7orf50;C7orf50	7	0.01833617	0.552467201
-0.1142284	cg18377014	C7orf50;C7orf50	7	0.00953175	0.67053737
-0.1671235	cg10009497	C7orf50;C7orf50	7	0.02062432	0.791073451
-0.1358136	cg22785556	C7orf50;C7orf50	7	0.04224895	0.764274999
-0.1143943	cg02327530	C7orf51	7	0.00874397	0.685236824
-0.1124266	cg09453760	C7orf65	7	0.00301135	0.395709343
-0.1640053	cg08691328	C7orf72	7	0.00206247	0.657493216
-0.1007434	cg15241236	C8orf34	8	0.00079501	0.775184758
-0.1299739	cg22454022	C8orf34	8	0.00380729	0.535132672
-0.1326079	cg14601770	C8orf42	8	0.02206073	0.800042329
-0.1072671	cg15947176	C8orf46	8	0.00363762	0.445963674
-0.1960949	cg09933836	C8orf75	8	0.00059275	0.368121116
-0.1388751	cg02679745	C9orf139;FUT1	9	0.04621926	0.794619904
-0.1100142	cg13757845	C9orf139;FUT1	9	0.01365264	0.472786985

-0.1719635	cg24392274	C9orf16	9	0.00298545	0.427385516
-0.1011169	cg03036214	CA12;CA12	15	0.00971697	0.841048632
-0.1402195	cg10323962	CA5A	16	0.04313009	0.856799241
-0.1130494	cg06745083	CA5A	16	0.00308382	0.601149393
-0.1766464	cg21039723	CAB39;CAB3!	2	0.00814488	0.712685992
-0.1004424	cg11847933	CABC1	1	0.00597532	0.538022931
-0.1462281	cg17009616	CABIN1	22	0.04896649	0.765021156
-0.1671133	cg19671694	CABLES2	20	0.03404188	0.728726674
-0.1681896	cg26224018	CACHD1	1	0.00695699	0.815627992
-0.1650026	cg14140691	CACNA1B	9	0.00136172	0.396432336
-0.2069173	cg14022794	CACNA1B	9	0.00220131	0.339955581
-0.1279797	cg13811936	CACNA1B	9	0.01326546	0.587579839
-0.1857642	cg13939602	CACNA1C;CA	12	0.04090064	0.684265818
-0.1335964	cg20495738	CACNA1C;CA	12	0.04845326	0.788436466
-0.1723636	cg16728539	CACNA1C;CA	12	0.00193674	0.698770307
-0.1696096	cg02468320	CACNA1C;CA	12	0.00300044	0.655617385
-0.1240573	cg10573505	CACNA1E	1	0.0180818	0.441391201
-0.1060972	cg20433386	CACNA1G;CA	17	0.02501062	0.776950368
-0.1767155	cg01637090	CACNA1H;CA	16	0.00011444	0.272757896
-0.1483039	cg07890233	CACNA1H;CA	16	0.00863201	0.739103891
-0.1017125	cg23795178	CACNA1I;CAC	22	0.00029575	0.282371657
-0.2882532	cg02041885	CACNA1I;CAC	22	0.00299875	0.519925811
-0.119512	cg00191625	CACNA1I;CAC	22	0.00523108	0.43249308
-0.1357426	cg13532410	CACNA2D3	3	0.01896085	0.688267831
-0.13277	cg18563642	CACNA2D3	3	0.00121145	0.279619052
-0.1097049	cg02844593	CACNA2D3	3	0.04335146	0.807667927
-0.1242737	cg10791541	CACNA2D3	3	0.00090536	0.701278001
-0.1702749	cg16990755	CACNB1;CAC	17	0.00825592	0.824777152
-0.1018033	cg02300652	CACNB4;CAC	2	0.01284643	0.379808649
-0.1996306	cg25482874	CACNG6;CAC	19	0.00137725	0.294673054
-0.1672726	cg10366742	CACNG7	19	0.00452072	0.336172231
-0.1656903	cg19521693	CACNG8	19	0.00287528	0.479182809
-0.240516	cg01293740	CACNG8	19	0.00048172	0.427880004
-0.1877366	cg24317406	CACYBP;CAC	1	0.03318956	0.501293156
-0.1834181	cg03505501	CADM1;CADI	11	0.00980719	0.749095607
-0.1707068	cg02753187	CALCOCO2	17	0.00125997	0.672256721
-0.13916	cg00449067	CALCRL	2	0.00024097	0.714729674
-0.1368586	cg21350115	CALCRL;CALC	2	0.01642824	0.505890222
-0.1328565	cg01077501	CALD1;CALD:	7	0.00718286	0.835765031
-0.108097	cg07625383	CALD1;CALD:	7	0.02602358	0.645854102
-0.1565874	cg25937598	CALHM3	10	0.03447263	0.728405975
-0.1271553	cg26957187	CALN1;CALN:	7	0.0008376	0.550499263
-0.1236873	cg25626166	CAMK1D;CAM	10	0.0295908	0.690049616
-0.1178466	cg12273284	CAMK1D;CAM	10	0.00329704	0.496642031
-0.2019753	cg20994118	CAMK1G	1	0.02135007	0.701704224
-0.14599	cg22032709	CAMKK2;CAN	12	0.03014035	0.416477693

-0.128418	cg17541002	CAMKK2;CAM	12	0.00105005	0.739333683
-0.1101676	cg02275084	CAMTA1	1	0.02307437	0.649987725
-0.1060057	cg21583016	CAMTA1	1	0.04938051	0.810651081
-0.1443622	cg15568225	CAP1;CAP1	1	0.03102662	0.631432504
-0.1064621	cg21410633	CAP1;CAP1	1	0.02023468	0.605860759
-0.1763456	cg03654273	CAPZB	1	0.03063632	0.770884416
-0.1166327	cg01832549	CAPZB	1	0.01025381	0.792768083
-0.1108386	cg05820435	CAPZB	1	0.01725968	0.63812358
-0.1117827	cg15136975	CAPZB	1	0.01613432	0.460112838
-0.1886233	cg00968167	CAPZB	1	0.00550744	0.466736705
-0.2065727	cg06360604	CAPZB	1	0.00933374	0.633915442
-0.1513044	cg00273359	CARD11	7	0.00138504	0.411293783
-0.1415717	cg06643466	CARD11	7	0.00113115	0.298883103
-0.1284041	cg09077096	CARD11	7	0.04688352	0.723744191
-0.1244668	cg13775050	CARD16;CASI	11	0.01636144	0.809334477
-0.1150049	cg26818786	CARD6	5	0.01456137	0.402718257
-0.1579689	cg01104590	CARS;CARS;C	11	0.00657166	0.805920333
-0.1468954	cg00093643	CASC4;CASC4	15	0.0028899	0.658216789
-0.1436883	cg24599065	CASP10	2	0.01082821	0.572420603
-0.113641	cg07754492	CASP10;CAS	2	0.03311487	0.341665282
-0.1014556	cg15930041	CASP14	19	0.02423523	0.682666795
-0.1824506	cg08469834	CASP4	11	0.00102138	0.197845531
-0.1211502	cg25095814	CASP8;CASPE	2	0.04626973	0.750595857
-0.1147987	cg24410214	CASP8;CASPE	2	0.00064117	0.361378042
-0.1673279	cg19267254	CASP9;CASPE	1	0.02595962	0.572906861
-0.100627	cg14985891	CASQ2	1	0.01716122	0.474704621
-0.1245953	cg09729182	CASR	3	0.02648741	0.405312844
-0.1628084	cg16210447	CASS4;CASS4	20	0.00463909	0.711653335
-0.1585499	cg07159230	CASZ1;CASZ1	1	0.0007261	0.517197286
-0.15269	cg23685580	CATSPER2;CA	15	0.04964983	0.897621118
-0.1323537	cg08317738	CBFA2T3	16	0.01871588	0.662898606
-0.1248137	cg03186440	CBFA2T3	16	0.02228887	0.658791416
-0.1136529	cg01534572	CBFA2T3	16	0.01672586	0.716710955
-0.1335542	cg08732950	CBFA2T3	16	0.01644339	0.724603374
-0.1067034	cg07057235	CBFA2T3	16	0.0046572	0.412367566
-0.1928346	cg05057515	CBFA2T3	16	0.00391674	0.565864236
-0.1487747	cg23965590	CBL	11	0.00188114	0.389718959
-0.1426811	cg00231483	CBLN2	18	0.00179097	0.482952995
-0.1042848	cg01544580	CBX1	17	0.01516359	0.779823589
-0.1183109	cg09234161	CCDC102A	16	0.02299867	0.696981216
-0.1692256	cg19283806	CCDC102B	18	0.00049358	0.682743605
-0.1616527	cg25306859	CCDC108;CCI	2	0.00990569	0.410975555
-0.1113168	cg21616935	CCDC11	18	0.01420283	0.601334022
-0.2380732	cg26539468	CCDC111	4	0.00391946	0.467467326
-0.1521359	cg24144883	CCDC116	22	0.0015325	0.424497297
-0.1144234	cg07220903	CCDC12	3	0.00334746	0.5448203

-0.1114923	cg02943305	CCDC129	7	0.00224917	0.516235722
-0.1584523	cg03198066	CCDC148;CCI	2	0.00607333	0.708481812
-0.1666764	cg12585923	CCDC152	5	0.04878811	0.497852571
-0.1666908	cg03100209	CCDC155	19	0.00305184	0.362711728
-0.1093122	cg26534677	CCDC25	8	0.03024349	0.413520623
-0.1627308	cg07997596	CCDC27	1	0.00596329	0.501009438
-0.1128062	cg07696006	CCDC33	15	0.03611861	0.792655556
-0.1925678	cg20099806	CCDC47	17	0.00493603	0.486387835
-0.1214259	cg18753928	CCDC52	3	0.02691811	0.584068347
-0.1548148	cg10517650	CCDC52	3	0.02803391	0.868909435
-0.1073793	cg15507901	CCDC54	3	0.00716572	0.77894461
-0.106396	cg12504696	CCDC60	12	0.02058804	0.718753836
-0.1254699	cg00314660	CCDC75;HEA	2	0.00030197	0.331843549
-0.1247052	cg08365738	CCDC80;CCD	3	0.00059056	0.70141619
-0.1182255	cg12044213	CCHCR1;TCF	6	0.01648236	0.568932976
-0.1034377	cg26101277	CCL1	17	0.00131065	0.272297012
-0.1564259	cg17118262	CCL1	17	0.01130612	0.640017278
-0.1606132	cg22647738	CCL16	17	0.01635883	0.868880836
-0.214539	cg17864156	CCL2	17	0.01031849	0.442394397
-0.1954998	cg10439431	CCL23;CCL23	17	0.03150807	0.786385865
-0.1740575	cg02932854	CCL24	7	0.04262735	0.393865689
-0.1561186	cg05034363	CCL24	7	0.00879802	0.698826921
-0.1332135	cg12788666	CCL24	7	0.00517536	0.646572584
-0.1181475	cg17315454	CCL24	7	0.00274219	0.612862556
-0.1047137	cg11303839	CCL26	7	0.00528743	0.714106905
-0.1670972	cg02828397	CCL3	17	0.00948616	0.54118727
-0.1084819	cg22518733	CCL3	17	0.00541396	0.367400316
-0.2141204	cg18407309	CCL3	17	0.00264757	0.672552695
-0.1926938	cg21335375	CCL3;CCL3	17	0.00343998	0.575172234
-0.1355844	cg02483931	CCL5	17	0.00147547	0.439243858
-0.1176917	cg08656816	CCL5	17	0.0032325	0.380279984
-0.1236637	cg06083483	CCL8	17	0.02748326	0.571992198
-0.1895137	cg01636591	CCL8;CCL8	17	0.00133684	0.398722952
-0.1769726	cg18205668	CCM2;CCM2;	7	0.00912588	0.775549793
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-0.1304446	cg14312439	CCR3;CCR3;C	3	0.02277408	0.844244497
-0.1550613	cg23817981	CCR4	3	0.01327433	0.485056042
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-0.1805887	cg23663547	CCR7	17	0.01828093	0.578374908
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-0.1187852	cg20975414	CD160	1	0.00379978	0.623687022
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-0.1034563	cg17638468	CD200R1;CD	3	0.04059349	0.688675845
-0.1917881	cg25360761	CD22	19	0.01019249	0.738694194
-0.115275	cg15743985	CD22	19	0.0056783	0.667271525
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-0.1536548	cg19090861	CD248	11	0.00486899	0.437821224
-0.1167051	cg02099418	CD28	2	0.00579801	0.827205869
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-0.1038395	cg22309950	CD28;CD28	2	0.02167974	0.808799954
-0.2319927	cg04098585	CD28;CD28	2	0.00168081	0.760683799
-0.1173882	cg03069736	CD300C;CD30	17	0.00831633	0.557143953
-0.1063434	cg14438208	CD300E;CD30	17	0.0059395	0.830983701
-0.1586499	cg06650256	CD300LB	17	0.02513765	0.565585507
-0.1223379	cg00873351	CD300LB	17	0.00453924	0.388526509
-0.1394702	cg14075731	CD300LB;CD	17	0.00906754	0.631800444
-0.1285572	cg26886976	CD300LD;C1	17	0.01472069	0.732830659
-0.2112715	cg17056607	CD300LF;RAE	17	0.0039877	0.457795866
-0.2015159	cg10129493	CD33;CD33	19	0.02693559	0.785101813
-0.1003728	cg20293352	CD34;CD34	1	0.02498211	0.407574901
-0.2058606	cg05044173	CD4	12	0.01191327	0.570610536
-0.1155265	cg22908581	CD4	12	0.00433289	0.421706417
-0.1704326	cg13512987	CD4;CD4	12	0.02462827	0.489222321
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-0.2139859	cg14082886	CD44;CD44;C	11	0.00181831	0.820958268
-0.1721581	cg13311440	CD48	1	0.0136186	0.665462034
-0.1482001	cg24154340	CD48	1	0.03387477	0.757866808
-0.1090305	cg16909402	CD48	1	0.03191994	0.671708071
-0.1021558	cg19408145	CD48	1	0.00159391	0.467569449
-0.1778246	cg20868817	CD48	1	0.00083773	0.478436485
-0.117964	cg06180389	CD53;CD53	1	0.00215996	0.442661277
-0.112104	cg10516886	CD53;CD53	1	0.03478191	0.598985013
-0.1311819	cg17240760	CD53;CD53	1	0.0029475	0.624974434
-0.1037427	cg25080571	CD59;CD59;C	11	0.02087737	0.859804816
-0.1242147	cg04188351	CD59;CD59;C	11	0.01200998	0.402069587
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-0.1564046	cg13014558	CD6	11	0.01210646	0.721906975
-0.1555166	cg09902130	CD6;CD6	11	0.02631988	0.782098691
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-0.1017732	cg06692929	CD7	17	0.00116429	0.38554715
-0.1008022	cg11624309	CD79A;CD79	19	0.01131773	0.44357529

-0.119162	cg21816743	CD79B;CD79	17	0.0134883	0.777195078
-0.1316069	cg21108085	CD82;CD82	11	0.03294072	0.288950065
-0.1238074	cg01878435	CD86	3	0.00525076	0.39837318
-0.1623743	cg10578007	CD93	20	0.04657841	0.611009405
-0.2809886	cg11119596	CD96;CD96;C	3	0.01008242	0.379392639
-0.1731396	cg02567958	CDC42EP1	22	0.00641366	0.400108673
-0.1653969	cg15035133	CDC42EP1	22	0.02309169	0.771123684
-0.1132578	cg07341609	CDC42EP1	22	0.00027677	0.670916139
-0.1122563	cg09220326	CDCP1;CDCP	3	0.0058688	0.342027054
-0.1489229	cg02973961	CDH11	16	0.00779875	0.77699141
-0.2273502	cg02069674	CDH13	16	0.00340755	0.543734455
-0.201032	cg09415485	CDH13	16	0.01453924	0.483305618
-0.1529185	cg16696923	CDH17	8	0.04001114	0.568860539
-0.1334946	cg16679068	CDH17	8	0.03583406	0.482414927
-0.1026526	cg11152825	CDH22	20	0.04636783	0.773180118
-0.208626	cg04304802	CDH23	10	0.00412917	0.511547734
-0.2179899	cg04005943	CDH23;CDH2	10	0.00905552	0.636588596
-0.1013108	cg00526273	CDH4	20	0.02764229	0.918200212
-0.1000838	cg16325421	CDH4	20	0.02265801	0.555942063
-0.1348558	cg00044665	CDH5	16	0.02672457	0.524647473
-0.1201572	cg02078525	CDH5	16	0.01019067	0.450022808
-0.1247647	cg05634637	CDH6	5	0.04499414	0.584946683
-0.1050779	cg05946623	CDH8	16	0.01812944	0.620353787
-0.131026	cg03112433	CDK14	7	0.01461041	0.647985885
-0.1239763	cg02723617	CDK5;CDK5;S	7	0.00985946	0.36663867
-0.1083888	cg25156198	CDK6;CDK6	7	0.02321149	0.483109039
-0.1788482	cg19103429	CDK6;CDK6	7	0.0266699	0.682835939
-0.1755821	cg11998200	CDK6;CDK6	7	0.0038716	0.520785401
-0.157052	cg05101437	CDK6;CDK6	7	2.83E-05	0.521048157
-0.1354183	cg23342625	CDKAL1	6	0.00732323	0.847698143
-0.1860315	cg06470626	CDR2	16	0.00079016	0.289871758
-0.1078285	cg24735489	CDSN;PSORS	6	0.0242207	0.738394684
-0.1506561	cg06321045	CDSN;PSORS	6	0.00637685	0.747716613
-0.1056508	cg11503274	CDX1	5	0.00347339	0.670880544
-0.1049523	cg03545404	CDX1	5	0.01433316	0.596252804
-0.1128106	cg17384457	CEACAM20;C	19	0.02803391	0.718692383
-0.114726	cg23241878	CEACAM21;C	19	0.03346706	0.449432396
-0.1269544	cg19187564	CEACAM4	19	0.00011921	0.26137451
-0.1333924	cg21529807	CEACAM4	19	0.0083632	0.386982132
-0.1203464	cg15691199	CEBPE	14	0.0047272	0.717636268
-0.1537844	cg06726231	CECR1;CECR1	22	0.00524701	0.474296551
-0.1876367	cg13762691	CECR2	22	0.03616577	0.609829193
-0.120692	cg01409421	CECR5;CECR5	22	0.00636848	0.698955943
-0.1010738	cg09397359	CELSR3	3	0.01409581	0.766745566
-0.1662435	cg13237068	CENPJ	13	0.01880528	0.843437886
-0.2338451	cg26542660	CEP135	4	0.00299027	0.509559937

-0.1748941	cg03447083	CES3	16	0.00221383	0.333587552
-0.145049	cg05647929	CFC1B;CFC1	2	0.00426214	0.542006909
-0.1226898	cg22092521	CFD	19	0.00098689	0.455495184
-0.2044838	cg06633978	CFDP1	16	0.01990676	0.838041972
-0.1358913	cg20784841	CFHR4	1	0.03322682	0.51430832
-0.1028871	cg10947827	CFLAR;CFLAR	2	0.01242154	0.477489969
-0.1032645	cg03974286	CFLAR;CFLAR	2	0.00833413	0.485451194
-0.1057854	cg23457862	CFLAR;CFLAR	2	0.001358	0.467418742
-0.1143017	cg12944530	CFLAR;CFLAR	2	0.00528042	0.84508905
-0.1404634	cg07596668	CGN	1	0.01316345	0.744617037
-0.1114553	cg25198049	CGN	1	0.00167467	0.593997125
-0.1349816	cg18670236	CHCHD6	3	0.00153807	0.782937856
-0.1168167	cg17133774	CHD5	1	0.00413002	0.335963103
-0.1185371	cg25035059	CHD7	8	0.01196516	0.255059665
-0.1122296	cg09941713	CHD7	8	0.02567656	0.460669031
-0.1073179	cg23013853	CHGA	14	0.04828005	0.563173925
-0.1464569	cg16402814	CHID1	11	0.00620224	0.39139549
-0.1055058	cg07414525	CHL1	3	0.03001942	0.502751124
-0.1290246	cg03355213	CHMP4B	20	0.00124782	0.675529318
-0.1144872	cg11941300	CHRFAM7A;C	15	0.03552354	0.819331801
-0.1641498	cg04590119	CHRM2;CHRI	7	0.02340361	0.717301592
-0.150266	cg18853490	CHRM3	1	0.00763664	0.827705942
-0.1042881	cg27051318	CHRNA6	8	0.04199477	0.71065141
-0.1384065	cg07157107	CHRNA6	8	0.00293835	0.417969852
-0.1229649	cg06523556	CHRNA6	8	0.01883869	0.410419297
-0.1870434	cg26531231	CHRNA9	4	0.02188931	0.765682654
-0.1362287	cg24797431	CHRNB3	8	0.03825337	0.477333869
-0.1100875	cg00608661	CHST11	12	0.01888841	0.780480885
-0.1237908	cg16861964	CHST11	12	0.0119905	0.397221177
-0.1102537	cg07921503	CHST12	7	0.01567328	0.774423038
-0.292904	cg18664965	CHST13	3	0.02629198	0.446636082
-0.1269613	cg13276580	CHST15	10	0.00049696	0.510712403
-0.181355	cg08165960	CHSY1	15	0.01534992	0.845094726
-0.195692	cg20388165	CHSY1	15	0.01296043	0.811671163
-0.1663314	cg08327038	CIRH1A	16	0.04605345	0.456479237
-0.1196879	cg02295216	CKLF;CKLF;Ck	16	0.00404671	0.393461451
-0.1195082	cg07232063	CLCA1	1	0.01693883	0.758096547
-0.2585754	cg13790426	CLCC1;CLCC1	1	0.0006377	0.569145429
-0.2159814	cg08702344	CLDN12	7	0.0311161	0.758757819
-0.1921668	cg13643452	CLEC14A	14	0.00850956	0.301341762
-0.1830104	cg14473145	CLEC14A	14	0.00200502	0.416931708
-0.1811813	cg03217729	CLEC16A	16	0.02266118	0.636583235
-0.1749588	cg17475456	CLEC2B;CLEC	12	0.0039877	0.372722935
-0.1545231	cg08321576	CLEC2B;CLEC	12	0.00040656	0.532279155
-0.1540808	cg13300689	CLEC2D;CLEC	12	0.00012533	0.241344333
-0.1418201	cg03447908	CLEC3B	3	0.00265557	0.719265727

-0.1341144	cg18460107	CLEC4C;CLEC	12	0.00028678	0.663219361
-0.1336247	cg21769117	CLIC1	6	0.04185479	0.801371576
-0.1304646	cg03619586	CLIC1	6	0.00083937	0.402889326
-0.1285411	cg18434367	CLIC5;CLIC5	6	0.00065412	0.787638521
-0.1239625	cg16474725	CLIC5;CLIC5	6	0.00648544	0.714539229
-0.1061472	cg13730618	CLIC6	21	0.02152695	0.500617501
-0.1303298	cg10196696	CLINT1	5	0.00938028	0.228470471
-0.1601981	cg26052635	CLIP4	2	0.02231764	0.493428736
-0.175675	cg05068951	CLMN	14	0.00606834	0.645316689
-0.1552405	cg02330500	CLMN	14	0.00026637	0.522824179
-0.1274233	cg05239310	CLMN	14	0.00117306	0.532703847
-0.1466941	cg03254067	CLNK	4	0.03500151	0.480094705
-0.1013015	cg20143111	CLNK	4	0.03611679	0.766096969
-0.1196695	cg00865429	CLNK	4	0.04872753	0.614130028
-0.108785	cg06745511	CLNK	4	0.01049367	0.390443241
-0.1180797	cg00326231	CLTCL1;CLTC	22	0.00049005	0.421492104
-0.1836049	cg06366789	CLYBL	13	0.0017168	0.774162191
-0.176741	cg12186816	CNBD1	8	0.00191197	0.341465995
-0.1625387	cg14963724	CNDP2;CNDF	18	0.02410755	0.712253435
-0.1535909	cg27029518	CNDP2;CNDF	18	0.02223614	0.510222453
-0.1495846	cg09988837	CNIH3	1	0.00376223	0.572344234
-0.1446093	cg02945192	CNN2;CNN2	19	0.00418109	0.463747674
-0.1174805	cg14738766	CNPY3	6	0.00611756	0.5435986
-0.1145206	cg16679650	CNR2	1	0.03774695	0.60484723
-0.1266852	cg11812748	CNST;CNST	1	0.01528347	0.337666465
-0.1074989	cg14131220	CNTFR;CNTFI	9	0.00201777	0.681394499
-0.1640232	cg02825887	CNTFR;CNTFI	9	0.0002921	0.481263468
-0.1080588	cg13336112	CNTN3	3	0.00520925	0.833341787
-0.1627395	cg19604896	CNTN4	3	0.03432872	0.76177578
-0.1484439	cg22878054	CNTN5;CNTN	11	0.04185208	0.752436072
-0.1152498	cg17372101	CNTNAP2	7	0.03388825	0.714238827
-0.1745361	cg20694241	CNTNAP3	9	0.00693336	0.592223046
-0.2024012	cg20825022	CNTNAP5	2	0.02261326	0.623818556
-0.1520087	cg01013522	CNTNAP5	2	0.03632523	0.672148132
-0.1001455	cg22809726	COL1A1	17	0.00064187	0.203257143
-0.1823046	cg02186748	COL1A1	17	0.02210502	0.613513111
-0.1185337	cg25026926	COL1A1	17	0.01375489	0.621120683
-0.1797212	cg14562086	COL1A1	17	0.03906387	0.678552777
-0.1238313	cg14700325	COL1A1	17	0.01175297	0.720432502
-0.1749273	cg18618815	COL1A1	17	0.01636144	0.845569845
-0.1145104	cg08695855	COL1A2	7	0.00126107	0.236091808
-0.1302252	cg23348014	COL1A2	7	0.02836661	0.548375848
-0.158816	cg06299997	COL1A2	7	0.00016884	0.513716838
-0.1131906	cg10368049	COL1A2	7	0.0013563	0.596701281
-0.1287336	cg13079333	COL20A1	20	0.0003395	0.353365926
-0.1072058	cg06485308	COL23A1	5	0.02246377	0.614964123

-0.2070267	cg07427642	COL23A1	5	0.02148442	0.521786051
-0.1504355	cg05008898	COL23A1	5	0.00391737	0.689649445
-0.1193795	cg08760493	COL25A1;CO	4	0.03478345	0.67447299
-0.1006504	cg10275917	COL28A1	7	0.02219476	0.493033022
-0.1700641	cg15379757	COL4A1	13	0.04993845	0.678671745
-0.1186849	cg15416440	COL4A1	13	0.02800302	0.467253936
-0.1098719	cg16436782	COL4A1	13	0.01044927	0.898769108
-0.2069195	cg04887675	COL4A1	13	0.0307711	0.573261686
-0.1149164	cg09238199	COL4A2	13	0.0398567	0.849185341
-0.1186123	cg17453252	COL4A2	13	0.00409826	0.844899472
-0.1323423	cg04815713	COL4A2	13	0.00479207	0.77528025
-0.1413951	cg08009184	COL4A2	13	0.03792756	0.730542289
-0.1120867	cg18114040	COL4A2	13	0.04618696	0.817040715
-0.1501463	cg22332589	COL4A2	13	0.000429	0.854517273
-0.1050563	cg01297370	COL4A3;COL	2	0.03019768	0.695459732
-0.1557023	cg13596370	COL5A1	9	0.00617698	0.811114309
-0.1400095	cg10979567	COL6A3;COL	2	0.0233802	0.782877424
-0.1661523	cg22570757	COL6A3;COL	2	0.03996044	0.821003755
-0.1797993	cg21839588	COL6A4P2	3	0.00088603	0.731185589
-0.1229637	cg21175685	COL8A1;MIR	3	0.00624753	0.737234465
-0.1918669	cg15818357	COL8A2	1	0.01166233	0.312479918
-0.1737911	cg04487479	COL9A1;COL	6	0.01542096	0.809732202
-0.1466966	cg10809094	COPS8;COPS	2	0.03913753	0.711637709
-0.1029257	cg00876141	CORIN	4	0.00171216	0.745331875
-0.2809411	cg09182455	CORO1C	12	0.02751232	0.883093781
-0.1795599	cg13836518	CORO2A;COF	9	0.02824021	0.331224509
-0.1705555	cg23792308	COX10	17	0.02714649	0.440956454
-0.122064	cg27005118	COX10	17	0.03246689	0.684780138
-0.1136923	cg09363068	COX19	7	0.02270721	0.389760854
-0.1198892	cg10423607	CPA6;CPA6	8	0.01341478	0.773187199
-0.2637913	cg24238409	CPEB3	10	0.02882391	0.583416119
-0.1498377	cg26426690	CPEB3	10	0.01143272	0.717009344
-0.1225052	cg19464524	CPEB3	10	0.00287514	0.3826434
-0.1141334	cg03110300	CPLX4	18	0.00701519	0.370161847
-0.1831642	cg22881750	CPNE5	6	8.11E-05	0.484232727
-0.1533434	cg23756264	CPT1A;CPT1	11	0.01490406	0.752038819
-0.1658427	cg00233633	CPVL;CPVL	7	0.0006377	0.5205011
-0.1400974	cg03073429	CPXM2	10	0.00510577	0.611970235
-0.1074152	cg13573210	CRB2	9	0.01657999	0.670124043
-0.1034534	cg00294109	CRBN	3	0.00162435	0.292463524
-0.1377141	cg09498007	CREG2	2	0.00189269	0.344710776
-0.126973	cg06495038	CRHBP	5	0.00420021	0.669573632
-0.1385365	cg01972879	CRHR2	7	0.04298099	0.71423642
-0.1571642	cg06618474	CRIP1	14	0.01224308	0.38746898
-0.138829	cg00166343	CRLF3	17	0.0117654	0.807434144
-0.1378593	cg07638320	CRYL1	13	0.04596503	0.828229483

-0.13331	cg26369418	CSF2	5	0.00036668	0.479913156
-0.1739523	cg20450123	CSGALNACT1	8	0.00172703	0.275927033
-0.1554636	cg14854503	CSGALNACT1	8	0.03032582	0.715764422
-0.2006094	cg14722693	CSGALNACT1	8	0.00445305	0.439970485
-0.1555258	cg06699216	CSGALNACT1	8	0.00483401	0.836404531
-0.1282261	cg27255656	CSMD1	8	0.01804264	0.816037899
-0.1597172	cg02630677	CSMD1	8	0.02341062	0.594439392
-0.2045485	cg20564969	CSMD1	8	0.00384527	0.346791564
-0.1777709	cg01136458	CSMD1	8	0.00444174	0.497966125
-0.1733358	cg24759795	CSMD3;CSMI	8	0.00044066	0.38237628
-0.1459634	cg21896766	CSMD3;CSMI	8	0.00052921	0.494892226
-0.1516139	cg21813369	CSN1S2B	4	0.01408663	0.437447984
-0.2375394	cg25581222	CSNK1G1	15	0.00159069	0.748716507
-0.1077126	cg16357582	CSRP1;CSRP1	1	0.02510132	0.553023898
-0.1538305	cg14538502	CSRP2	12	0.04258237	0.793642699
-0.1230811	cg22238692	CST4	20	0.02317611	0.53900322
-0.1031986	cg27526549	CST7	20	0.00857214	0.811768734
-0.1685439	cg27641239	CST7	20	0.02206918	0.840833365
-0.1187299	cg24168221	CST9	20	0.0209184	0.65960893
-0.1036034	cg11897887	CST9L	20	0.01900673	0.730375983
-0.1416484	cg18618429	CSTA	3	0.00095635	0.456403482
-0.1476905	cg02694099	CT62	15	0.00035277	0.633343095
-0.1026433	cg01589580	CTDP1;CTDP:	18	0.01483184	0.415424735
-0.1732469	cg12386061	CTDSPL;CTDS	3	0.0086579	0.35384638
-0.1178378	cg06968859	CTNNA2;CTN	2	0.00956523	0.689173717
-0.1320165	cg14698665	CTNND2	5	0.00870582	0.510296209
-0.1325422	cg14436231	CTNS;CTNS	17	0.017007	0.366294742
-0.1072194	cg03206537	CTSA;CTSA;C	20	0.00458725	0.618650988
-0.1365137	cg01932691	CTSG	14	0.02648217	0.551445555
-0.1434823	cg08416661	CTSW	11	0.0074435	0.319097468
-0.1500589	cg19792802	CTSW	11	0.00863859	0.508685489
-0.1094733	cg12831034	CTSZ	20	0.00907447	0.553842205
-0.1543196	cg18563860	CTSZ	20	0.01386822	0.885749166
-0.1102488	cg09315134	CTSZ	20	0.00367951	0.55659162
-0.1428742	cg17928895	CTSZ	20	0.01357406	0.877098816
-0.2062557	cg23679724	CTSZ	20	0.00426782	0.470378339
-0.165206	cg18245281	CTSZ	20	0.03480457	0.806606567
-0.1028472	cg12787553	CTSZ	20	0.00268735	0.793157619
-0.1609455	cg00520378	CTU2;CTU2;F	16	0.00116601	0.482336194
-0.1736308	cg25913882	CUBN	10	0.04097096	0.791066973
-0.1653695	cg22900075	CUEDC1	17	0.01735849	0.580225246
-0.1632491	cg19368016	CUGBP2;CUC	10	0.03569574	0.803520836
-0.1547332	cg18940274	CUL1	7	0.00918904	0.907587794
-0.1390899	cg19391535	CUL1	7	0.04119582	0.400554665
-0.1226963	cg23261443	CUX1;CUX1;C	7	0.00769519	0.560100356
-0.117469	cg23253053	CUX2	12	0.01022347	0.57202265

-0.1120709	cg16721194	CUX2	12	0.00039822	0.508105984
-0.1603346	cg25113157	CUX2	12	0.00216283	0.478421593
-0.1378245	cg08944961	CUX2	12	0.00093223	0.591814799
-0.1268378	cg24130739	CX3CR1;CX3C	3	0.00046265	0.63835948
-0.1067118	cg03296370	CX3CR1;CX3C	3	0.00016369	0.324633366
-0.1250364	cg06662476	CXCL13	4	0.03799712	0.606386073
-0.108487	cg18956547	CXCR1	2	0.00217677	0.298895354
-0.1572974	cg10591797	CXCR2;CXCR4	2	0.0237442	0.757834593
-0.1526375	cg13739417	CXCR2;CXCR4	2	0.02441741	0.704457524
-0.1356285	cg25941354	CXCR2;CXCR4	2	0.01089914	0.609438553
-0.1288125	cg23374992	CXCR4;CXCR4	2	0.01062628	0.691424104
-0.1053348	cg12595667	CXCR4;CXCR4	2	0.00506958	0.66670622
-0.1512637	cg01257799	CXCR5	11	0.00073873	0.439476422
-0.2399891	cg25098174	CYB561;CYBE	17	0.02488264	0.607334328
-0.2177503	cg18499750	CYB561;CYBE	17	0.00832318	0.775607743
-0.1379798	cg04294383	CYFIP1;CYFIP	15	0.02508185	0.873833466
-0.1110729	cg24844518	CYFIP2;CYFIP	5	0.00541969	0.637854565
-0.1062389	cg20073007	CYP11B1;CYF	8	0.00112537	0.384120474
-0.1050986	cg07954324	CYP11B2	8	0.00159665	0.420880402
-0.2655324	cg02162897	CYP1B1	2	0.0174186	0.807205483
-0.1698882	cg00565882	CYP1B1	2	0.00218432	0.520200296
-0.1059271	cg06264984	CYP1B1	2	3.61E-05	0.635844606
-0.104307	cg14717122	CYP2C8	10	0.01151954	0.828053121
-0.1007425	cg06579354	CYP2F1	19	0.00342011	0.613972914
-0.1109056	cg19430423	CYP2S1	19	0.00140385	0.504870918
-0.1066492	cg17461336	CYP3A43;CYF	7	0.01031726	0.659820325
-0.18133	cg20299573	CYP4A11	1	0.00079596	0.452363089
-0.1253408	cg07512206	CYP4F8	19	0.00297432	0.599244151
-0.117899	cg24768595	CYTH1;CYTH4	17	0.03421872	0.734377074
-0.1179735	cg11859594	CYTH1;CYTH4	17	0.00187808	0.840489116
-0.1587808	cg12741639	CYTH4	22	0.03013343	0.732894382
-0.1055933	cg07103201	CYTSB;CYTSB	17	0.00342346	0.851379411
-0.1372714	cg21637761	CYTSB;CYTSB	17	0.00346456	0.664519953
-0.1211104	cg15898414	DAB1	1	0.03418598	0.688656803
-0.1023195	cg22525715	DAB1;MIR54	1	0.04804987	0.661702613
-0.1020192	cg11810743	DACT2	6	0.02849029	0.74282079
-0.143548	cg19815574	DACT3	19	0.00145895	0.495069125
-0.1375972	cg15602972	DACT3	19	0.00622214	0.667860546
-0.123037	cg23976388	DAGLA	11	0.00527534	0.581068649
-0.129236	cg25406518	DAK;DDB1	11	0.02745357	0.520672337
-0.1233109	cg05557266	DALRD3;DAL	3	0.00963752	0.502301398
-0.1596826	cg21244322	DAPK2	15	0.02152269	0.761932996
-0.184965	cg06398236	DAPP1	4	0.01797433	0.633427894
-0.1524043	cg10397389	DAPP1;DAPP	4	0.02025219	0.754901797
-0.2253588	cg18552413	DARC;DARC;I	1	0.00426202	0.347105433
-0.1869101	cg09365002	DAXX;DAXX;I	6	0.03308513	0.782953982

-0.10337	cg09597022	DAXX;DAXX;I	6	0.0165705	0.778552862
-0.1021409	cg03911306	DAZL	3	0.04954728	0.844240238
-0.1183782	cg22697517	DBF4B;DBF4I	17	0.00171238	0.482070258
-0.1643173	cg11151251	DCAF5	14	0.01983202	0.738008773
-0.1085265	cg21572000	DCAF5	14	0.01048521	0.760620711
-0.1676879	cg02575483	DCBLD1	6	0.02609941	0.694434733
-0.1087813	cg02595061	DCDC1	11	0.00983238	0.713620468
-0.1650285	cg08107960	DCDC2	6	0.00766769	0.270620771
-0.2248905	cg23991274	DCK	4	0.0155803	0.805091741
-0.1277307	cg08514408	DCK	4	0.01060757	0.4597361
-0.1135113	cg23574583	DCLK1	13	0.01713667	0.720418313
-0.1662595	cg15001032	DDC;DDC	7	0.0117155	0.420852928
-0.1781207	cg11502844	DDX1	2	0.02339674	0.656586608
-0.1342494	cg05883128	DDX60	4	0.00023192	0.555043396
-0.1039306	cg27040700	DECR1	8	0.04192001	0.850625849
-0.1461546	cg14013103	DEDD2	19	0.00372883	0.522484923
-0.1037753	cg14189583	DEDD2	19	0.00178879	0.576025202
-0.152457	cg11721464	DEDD2	19	0.00302372	0.730087031
-0.1100965	cg04747619	DEFA5	8	0.0227506	0.495788161
-0.1361843	cg10076006	DEFB1	8	0.02040546	0.352157721
-0.2052437	cg13700506	DEFB116	20	0.03598209	0.489571406
-0.1841264	cg03262887	DEFB119;DEF	20	0.00421546	0.308266499
-0.1632225	cg12807628	DEFB135	8	0.00353726	0.339919966
-0.137543	cg05226729	DEFB135	8	0.01408931	0.809957675
-0.2271775	cg22743884	DEFB135	8	0.01095481	0.80683059
-0.1763376	cg12279138	DEGS1;DEGS	1	0.01126116	0.380631009
-0.1123347	cg21986966	DENND1C	19	0.01852405	0.632200146
-0.1342318	cg08936307	DENND1C	19	0.01152994	0.462680751
-0.1341593	cg08864105	DENND2D	1	0.0123661	0.846368504
-0.1300632	cg02920600	DGKI	7	0.00286125	0.57317666
-0.1054609	cg02211741	DGKZ;DGKZ;I	11	0.01479823	0.749228671
-0.1098292	cg01132064	DGKZ;DGKZ;I	11	0.01221135	0.714503406
-0.1067051	cg07092212	DGKZ;DGKZ;I	11	0.00479817	0.718095022
-0.1179292	cg10177197	DHCR24	1	0.01601614	0.790293452
-0.1017242	cg13624631	DHRS7	14	0.00010417	0.233222877
-0.1314548	cg06582708	DHRS7B	17	0.04739297	0.679693743
-0.1352677	cg22129276	DHRS9;DHRS	2	0.00705798	0.616187174
-0.1144457	cg13775636	DIP2C	10	0.02632381	0.669173025
-0.2022733	cg12724894	DIP2C	10	0.00173711	0.443769387
-0.2027048	cg04097334	DIRC1	2	0.01974579	0.502062569
-0.1146523	cg08467371	DIS3L2	2	0.0433563	0.428758187
-0.1692194	cg07328664	DIS3L2	2	0.00203614	0.778209514
-0.1075224	cg00550040	DKFZp566F09	19	0.01661362	0.683033989
-0.1345477	cg27395342	DLC1;DLC1	8	0.00052332	0.400665442
-0.1030578	cg15681239	DLEC1;DLEC1	3	0.00335247	0.758761451
-0.1154406	cg14093720	DLGAP1;DLG	18	0.03435579	0.641448167

-0.161741	cg05455971	DLGAP2	8	0.01164314	0.792145214
-0.126424	cg03439898	DLGAP2	8	0.03185962	0.851593544
-0.1822694	cg27199697	DLX3	17	0.031705	0.705109977
-0.1730203	cg09730801	DLX4;DLX4	17	0.00057273	0.696767313
-0.1619284	cg27016494	DLX5	7	0.04279759	0.638225714
-0.1526539	cg26033466	DLX6AS	7	0.04131393	0.416706812
-0.1132798	cg13619074	DMRT1	9	0.01668251	0.56216252
-0.1362143	cg14377594	DMRT2;DMR	9	0.00237407	0.684773781
-0.1932451	cg04361556	DNAH6	2	0.02520094	0.502297801
-0.107733	cg12626882	DNAH9;DNAI	17	0.01106771	0.63253038
-0.2037516	cg17950348	DNAJB6	7	0.0293628	0.826959239
-0.1536911	cg07993586	DNAJB6	7	0.03568092	0.917345611
-0.1524148	cg18245230	DNAJB6	7	0.0096834	0.502909207
-0.1214386	cg22913903	DNAJC22	12	0.00087971	0.38675696
-0.1258904	cg21763058	DNAJC22	12	0.00020042	0.423538075
-0.1179718	cg07028869	DNAJC22;DN	12	0.00022476	0.396688603
-0.101784	cg07197831	DNAJC5G	2	0.04916364	0.525783253
-0.1060185	cg04197548	DNAJC9	10	0.02708266	0.744110404
-0.127164	cg24163658	DNASE1L3	3	0.00608043	0.52704604
-0.1555389	cg15503081	DNASE2	19	0.02134278	0.605326981
-0.1505326	cg07802362	DNM3;DNM3	1	0.02672945	0.762202498
-0.1175907	cg00050692	DNMT3A;DN	2	0.01129799	0.846870397
-0.1056127	cg10491120	DOCK1	10	0.03982332	0.791258993
-0.1570971	cg03752935	DOCK1	10	0.01345892	0.722802522
-0.1163771	cg14939821	DOCK1;FAM1	10	0.00338585	0.677750254
-0.2200307	cg25012185	DOCK10	2	0.00077434	0.687165862
-0.1608619	cg05363955	DOCK10	2	0.01186103	0.801160942
-0.1537245	cg11394600	DOCK4	7	0.0087458	0.762319621
-0.1437681	cg06870470	DOCK6	19	0.00147703	0.324103394
-0.1143254	cg09314421	DOK2	8	0.00625544	0.480190558
-0.1083934	cg13292636	DOK2	8	0.00109021	0.533846694
-0.1831482	cg02092181	DOT1L	19	0.01540876	0.763865947
-0.1412526	cg20972466	DPEP1	16	0.00157318	0.317354302
-0.1234353	cg16146353	DPP10	2	0.0202921	0.70959404
-0.1144689	cg05868547	DPP10	2	0.00943651	0.787632424
-0.1293737	cg02926033	DPP6;DPP6;E	7	0.00874324	0.700773286
-0.1534157	cg26187031	DPYSL2	8	0.00162718	0.620510237
-0.1176415	cg21013206	DRD2;DRD2	11	0.01496738	0.723244409
-0.1016063	cg09133032	DRD4	11	0.01380677	0.266823454
-0.1044389	cg09386376	DRD4	11	0.00819868	0.320769551
-0.1403438	cg20411756	DRD4	11	0.00065936	0.735531125
-0.2200479	cg10094691	DSCAM	21	0.02894293	0.7055688
-0.2032559	cg07027502	DSCR6	21	0.00203113	0.445735948
-0.1111186	cg27422507	DSG2	18	0.01577804	0.715485929
-0.1030843	cg12596273	DSG2	18	0.00781348	0.660374579
-0.1463419	cg17759095	DST	6	0.02802755	0.704968062

-0.1202985	cg02790691	DTNA;DTNA;	18	0.03923166	0.567926185
-0.1253939	cg25784280	DTNA;DTNA;	18	0.02222661	0.818173499
-0.123391	cg25446789	DTNB;DTNB;|	2	0.00140499	0.2707892
-0.1207279	cg20236089	DTNBP1;DTN	6	0.00051497	0.254560781
-0.1864894	cg11938455	DTNBP1;DTN	6	0.01604627	0.767079422
-0.1854585	cg08941873	DTWD2	5	0.02705704	0.61319308
-0.1477811	cg07946977	DUSP10;DUS	1	0.02506343	0.844064708
-0.1006119	cg10270150	DUSP22	6	0.02928295	0.558169177
-0.1235571	cg27449114	DUSP28	2	0.00141139	0.370476088
-0.1202654	cg10080966	DUSP5	10	0.03197183	0.314614398
-0.1311202	cg02927679	DUSP5	10	0.02824182	0.49506942
-0.1180656	cg09357462	DUSP5	10	0.0262903	0.570726443
-0.1161895	cg03290131	DUSP5	10	0.00808333	0.384974895
-0.1532212	cg13691961	DUSP6;DUSP	12	0.02749525	0.846897409
-0.1215724	cg17740822	DUSP6;DUSP	12	0.00033877	0.315191313
-0.1028292	cg05769889	DUSP6;DUSP	12	0.00079563	0.328369294
-0.1103677	cg27365701	DUSP6;DUSP	12	0.0045804	0.6754014
-0.1026242	cg13460297	DYNC1I2	2	0.01969115	0.805134315
-0.1162592	cg04457354	E2F3	6	0.03598502	0.663257198
-0.176927	cg23214755	E2F6;E2F6;E2	2	0.01478644	0.886156089
-0.1147225	cg17726575	E2F6;E2F6;E2	2	0.00176431	0.725704908
-0.1304058	cg02930866	EBF1	3	0.00033557	0.608979603
-0.2112586	cg00594129	EBF1	5	0.01861595	0.38221828
-0.1704513	cg21211213	EBF1	5	0.02839145	0.300947025
-0.1367233	cg11898646	EBF1	5	0.03535464	0.815092779
-0.1413956	cg00210856	EBF1	5	0.04075935	0.801949658
-0.140208	cg20944195	EBF2	8	0.00264757	0.295575394
-0.1300375	cg07616828	EBF2	8	0.00462823	0.379534095
-0.1105225	cg05487589	EBF2	8	3.77E-05	0.605939397
-0.184369	cg07194839	EBF3	10	0.04527079	0.734095954
-0.1756265	cg04582254	EBF3	10	0.01869297	0.840083648
-0.1664718	cg15491701	EBF3	10	0.01855725	0.770585751
-0.1556814	cg03497907	EBF3	10	0.00257034	0.669485733
-0.1512906	cg16592658	EBI3	19	0.00689375	0.754879783
-0.147398	cg21005416	ECE1;ECE1;E	1	0.03016159	0.487269993
-0.1273955	cg13527631	ECE2	3	0.00131583	0.495094987
-0.1141276	cg16386293	ECM1;ECM1	1	0.0056951	0.53985207
-0.1116615	cg05618426	EDNRA;EDNF	4	0.0249603	0.455634138
-0.1093449	cg16264526	EDNRA;EDNF	4	0.02381543	0.653823384
-0.1056807	cg10112943	EDNRA;EDNF	4	0.0007702	0.65532638
-0.2221802	cg21307723	EFCAB2;EFC	1	0.0086426	0.564242115
-0.1498615	cg00133624	EFCAB4B;EFC	12	6.34E-05	0.459333903
-0.1131445	cg08187425	EFHD1	2	0.00920335	0.663507176
-0.1982046	cg16975639	EFHD1;EFHD	2	0.03239101	0.62835222
-0.2390686	cg25978218	EFHD2	1	0.01090194	0.876588989
-0.2232209	cg14036402	EFHD2	1	0.00683039	0.787697805

-0.1780186	cg20256153	EFNB2	13	0.0085592	0.381115158
-0.1101041	cg18919106	EFR3A	8	0.00669998	0.373541497
-0.2029405	cg08964756	EFR3A	8	0.03339476	0.824654621
-0.1526118	cg10578782	EGFLAM;EGF	5	0.03938432	0.673858028
-0.1138499	cg12476044	EGFLAM;EGF	5	0.01375164	0.750195635
-0.1100079	cg24723373	EGFR	7	0.01409285	0.800906766
-0.1271985	cg10601026	EGR2	10	0.01565361	0.652163156
-0.1119935	cg01332279	EGR2	10	0.01856885	0.8133465
-0.1426545	cg08810842	EGR3	8	0.00036482	0.793255389
-0.107022	cg09374353	EHD1	11	0.01967583	0.708683877
-0.1335344	cg05150973	EHD1	11	0.04143007	0.778340749
-0.149765	cg17344040	EHD1	11	0.00683878	0.555469444
-0.112595	cg11321083	EHD1	11	0.0019497	0.493133883
-0.1562556	cg00648955	EHD3	2	0.04682202	0.571399375
-0.2557459	cg22451412	EHD4	15	0.02129694	0.770942996
-0.2252599	cg17244218	EHD4	15	0.01071909	0.591281089
-0.2154667	cg10071442	EHMT2;EHM	6	0.02891475	0.423826224
-0.2130261	cg25506915	EIF3G	19	0.0287448	0.69491399
-0.2056156	cg08822118	EIF4G1;EIF4C	3	0.00720342	0.592535563
-0.2041575	cg08106706	ELAVL4;ELAV	1	0.03363974	0.230785657
-0.2027182	cg21067652	ELF1;ELF1	13	0.00407982	0.308576416
-0.202152	cg02632314	ELF1;ELF1	13	0.00447527	0.556591681
-0.2003854	cg01440489	ELF1;ELF1	13	0.00360069	0.502292835
-0.1927857	cg15050051	ELFN1	7	0.01163054	0.710184587
-0.1903638	cg00107982	ELFN2	22	0.00036111	0.31415727
-0.1895767	cg01291854	ELK3	12	0.02285412	0.694278658
-0.1841397	cg01119452	ELMO1	7	0.0034389	0.500761937
-0.1840234	cg18390025	ELOVL3	10	0.00634112	0.616824118
-0.1821739	cg02859516	ELOVL6;ELOV	4	0.03333821	0.549088917
-0.1787354	cg06591011	ELOVL6;ELOV	4	0.02646793	0.763539134
-0.1772211	cg10512376	EMCN;EMCN	4	0.00590156	0.802705592
-0.1759573	cg17272549	EML6	2	0.03346706	0.802976277
-0.175202	cg08314781	EML6	2	0.00034495	0.709808654
-0.1747526	cg19009132	EMP1	12	0.0233187	0.776761756
-0.1741782	cg09712682	EMP2	16	0.01391536	0.860437224
-0.1726734	cg05731801	EMP2	16	0.01788566	0.739130172
-0.1725808	cg04103514	EMR2;EMR2;	19	0.03427087	0.550845327
-0.166191	cg07998554	EMR3	19	0.03106465	0.711062525
-0.1593022	cg15746620	EMR3	19	0.02121857	0.609658191
-0.1552254	cg14845689	EMX2;EMX2	10	0.01322842	0.520271111
-0.1532784	cg00603371	EMX2;EMX2C	10	0.00422232	0.407222029
-0.1513322	cg15367892	EMX2OS	10	0.00071007	0.62734203
-0.1508071	cg16353851	ENC1	5	0.00182238	0.408063713
-0.146509	cg08261525	ENOX1	13	0.01071756	0.477806573
-0.1458183	cg11978634	ENOX1;ENOX	13	0.029001	0.69577071
-0.1432888	cg01661247	ENPP1	6	0.0307166	0.509388486

-0.141643	cg10332003	ENPP6	4	0.00396177	0.826899528
-0.1368634	cg20623350	ENTHD1	22	0.02673675	0.510219447
-0.1356549	cg13471990	ENTPD1;ENT	10	5.47E-05	0.291825909
-0.1353885	cg11637005	ENTPD1;ENT	10	0.0034206	0.277218511
-0.1350411	cg15896259	ENTPD4;ENT	8	0.02712832	0.366750026
-0.1338039	cg04712321	ENTPD4;ENT	8	0.00969548	0.437039877
-0.1316914	cg12492900	EP400	12	0.00256301	0.706941612
-0.129884	cg21211882	EPB41L1;EPB	20	0.01673845	0.538798683
-0.1282116	cg06459104	EPB41L3	18	0.02187314	0.427942809
-0.127522	cg13678551	EPB41L4B;EP	9	0.00716393	0.39840523
-0.1250346	cg03292675	EPB49;EPB49	8	0.00077627	0.436864883
-0.1217524	cg02046552	EPB49;EPB49	8	0.00044653	0.555930375
-0.1199056	cg15141868	EPDR1	7	0.01656196	0.676148522
-0.119383	cg10835083	EPHA4	2	0.00214589	0.74298211
-0.1161082	cg11197061	EPHA6	3	0.00023849	0.271925989
-0.1155352	cg15000071	EPHB1	3	0.01705144	0.619082809
-0.1136609	cg01970336	EPS15	1	0.00275012	0.618345142
-0.11343	cg23953052	EPS8L1	19	0.03663957	0.551744839
-0.111469	cg04784316	ERBB4;ERBB4	2	0.04705994	0.491675058
-0.1108036	cg03507641	ERC1;ERC1;E	12	0.00367157	0.312137318
-0.1092033	cg03927470	ERCC4	16	0.01964721	0.877478001
-0.1081719	cg04163967	ERG;ERG;ERC	21	0.01278356	0.836129876
-0.1065701	cg18413706	ERG;ERG;ERC	21	0.00277446	0.555658201
-0.1055739	cg09582351	ERGIC2	12	0.02044594	0.620386858
-0.1026067	cg22709362	ERI3	1	0.00274168	0.853649633
-0.1010613	cg21918595	ERI3	1	0.00114854	0.319243139
-0.2334943	cg13582028	ERICH1	8	0.04085167	0.541433094
-0.2037521	cg21211780	ESPN	1	0.01304079	0.713065663
-0.1934466	cg00917101	ESPN	1	1.98E-05	0.485519115
-0.1918339	cg09039163	ESPNL;ESPNL	2	0.00443233	0.533418984
-0.1910737	cg06574296	ESPNL;SCLY	2	0.00074716	0.763231656
-0.1896486	cg04003327	ESPNL;SCLY	2	0.00618519	0.79067142
-0.185722	cg22364729	ESPNP	1	0.00331082	0.766682754
-0.1767682	cg01395667	ESPNP	1	0.02232953	0.409580583
-0.1755852	cg21608605	ESR1;ESR1;ES	6	0.03208915	0.308521788
-0.1688808	cg03037684	ESR1;ESR1;ES	6	0.00237561	0.490040857
-0.1617298	cg07059469	ESR1;ESR1;ES	6	0.00050351	0.639363944
-0.1585452	cg07392702	ESYT2	7	0.00908342	0.541324103
-0.1534687	cg21464115	ESYT3	3	0.01455198	0.663442784
-0.1409139	cg23738760	ETV6	12	0.02828256	0.800582278
-0.11076	cg00610577	ETV6	12	0.01141456	0.852141955
-0.1043747	cg21223094	ETV6	12	0.00132119	0.314874409
-0.1176031	cg11655490	ETV6	12	0.00115479	0.698418228
-0.1932463	cg05582310	EVC	4	0.01533214	0.822436737
-0.1155446	cg20992708	EVC2;EVC2	4	0.02625084	0.783628462
-0.1427617	cg26674479	EVX1	7	0.03231746	0.840786679

-0.1320983	cg06544111	EVX1	7	0.04665478	0.750460827
-0.1191135	cg13677149	EVX1	7	0.00042068	0.777498882
-0.2434423	cg27100227	EVX1	7	0.03213241	0.702727508
-0.1491218	cg01357429	EVX1	7	0.00500312	0.524522447
-0.1348584	cg17526483	EVX1	7	0.00125706	0.808641417
-0.1261066	cg03056526	EVX1	7	0.02082073	0.717211162
-0.1095018	cg22964918	EVX1	7	0.00050419	0.671077797
-0.1877509	cg04922154	EVX1	7	0.00175433	0.709288873
-0.1871069	cg08483376	EVX1	7	0.0003561	0.447089818
-0.1455841	cg01544270	EXD3	9	0.04075935	0.505352098
-0.1229388	cg25314360	EXOC2;HUS1	6	0.04915341	0.812741519
-0.1181621	cg26008509	EXOC3L2	19	0.00371424	0.572821193
-0.1281221	cg10679182	EXOC4	7	0.0001657	0.534623703
-0.1218255	cg19350870	EXOC6B	2	0.03337933	0.730162654
-0.1321686	cg15694987	EXT1	8	0.03297787	0.428714072
-0.1257537	cg00328720	EXTL3	8	0.00680395	0.90868567
-0.1023998	cg27589058	EYA2;EYA2	20	0.01781864	0.336064844
-0.118119	cg18714224	EYA4;EYA4;E	6	0.00497112	0.596870918
-0.1007267	cg22871253	EZR;EZR	6	0.00588459	0.362625353
-0.1865422	cg25720793	F11R	1	0.04505102	0.473662708
-0.1614087	cg14714391	F2R	5	0.02733954	0.753128495
-0.2243809	cg10431265	FABP6;FABP6	5	0.01045891	0.418478907
-0.1119364	cg15140323	FABP6;FABP6	5	0.0080204	0.343991178
-0.1031945	cg06856840	FAH	15	0.00971605	0.658445132
-0.2540887	cg22511455	FAIM3;FAIM3	1	0.00229588	0.32025804
-0.199661	cg23088126	FAIM3;FAIM3	1	0.0025998	0.738769002
-0.1586206	cg06640279	FAIM3;FAIM3	1	0.01511559	0.675852227
-0.1127492	cg15158847	FAIM3;FAIM3	1	0.03106791	0.610629226
-0.1319623	cg23379806	FAM107B	10	0.02644513	0.843104675
-0.1188461	cg15414028	FAM107B	10	0.0005273	0.270525936
-0.1220782	cg14884828	FAM107B	10	0.01289957	0.799416119
-0.1153882	cg16406078	FAM110A;FA	20	0.00723982	0.392827671
-0.1841001	cg14170976	FAM110A;FA	20	0.02663896	0.737440279
-0.1605878	cg06547285	FAM113B	12	0.00132552	0.631178754
-0.3421379	cg25123566	FAM113B;LO	12	0.00032535	0.631880376
-0.1191828	cg17320378	FAM129C	19	0.0096191	0.493773697
-0.1187184	cg14041069	FAM129C;FA	19	0.01616908	0.592817889
-0.1371563	cg10809485	FAM150A	8	0.00108372	0.215736003
-0.1021888	cg14553740	FAM154A	9	0.03739696	0.820232985
-0.1053082	cg01403030	FAM154A	9	0.00625422	0.726660831
-0.1035942	cg08188268	FAM160B1	10	0.02175532	0.563317375
-0.1333308	cg01302668	FAM162B	6	0.00767251	0.580709756
-0.1031892	cg15683970	FAM165B	21	0.02319678	0.829336232
-0.1366173	cg02771117	FAM167A;C8	8	0.00396644	0.302665496
-0.171558	cg06358322	FAM171A1	10	0.03430284	0.846060975
-0.1622518	cg04304121	FAM179A	2	0.03154049	0.727261965

-0.1365199	cg17875584	FAM186A	12	0.0162193	0.806091318
-0.1384038	cg13436110	FAM188B	7	0.00239149	0.825672675
-0.1700617	cg17051704	FAM189A1	15	0.01093946	0.279255778
-0.1018665	cg15319470	FAM19A2	12	0.03101653	0.660088521
-0.1471061	cg15734409	FAM19A4;FA	3	0.04816921	0.509486007
-0.1525615	cg05006211	FAM19A5	22	0.0254141	0.542822424
-0.106344	cg05072413	FAM19A5;FA	22	0.00272127	0.404435124
-0.1045114	cg14596108	FAM19A5;FA	22	0.00408028	0.897933044
-0.1743298	cg08859215	FAM20A	17	0.01592327	0.777223515
-0.1917469	cg10183671	FAM20C	7	0.01478644	0.742824757
-0.1688154	cg12354014	FAM26D;BET	6	0.00093133	0.329089681
-0.1223887	cg18406700	FAM26E;BET	6	0.00245392	0.698714897
-0.1068845	cg00167275	FAM35A;GLL	10	0.00400386	0.203289575
-0.1068806	cg08798862	FAM38A	16	0.01417062	0.83186203
-0.1112824	cg02187259	FAM49A	2	0.03320117	0.884325995
-0.1008059	cg14741228	FAM60A;FAM	12	0.0424768	0.760106446
-0.1469096	cg03935116	FAM60A;FAM	12	0.00929055	0.774144939
-0.1104128	cg27050407	FAM65B	6	0.00647228	0.67916781
-0.142833	cg08893087	FAM69A	1	0.00690636	0.642221369
-0.1115687	cg19566774	FAM71D	14	0.00817507	0.28694203
-0.1504398	cg02809404	FAM71D	14	0.00468098	0.307115026
-0.1058637	cg16689937	FAM71D;FAM	14	0.0003098	0.43813436
-0.1933329	cg10624729	FAM73A	1	0.00626219	0.825900674
-0.1871395	cg17936488	FAM78A	9	0.04588644	0.847534067
-0.150509	cg13487445	FAM78A	9	0.01572686	0.750671102
-0.1297429	cg00831735	FAM83A;FAM	8	0.02273206	0.552330651
-0.1266197	cg08256536	FAM83A;FAM	8	0.01167678	0.655379204
-0.2095395	cg27649094	FAM83A;LOC	8	0.02909101	0.594674251
-0.2022277	cg20283107	FAM91A1	8	0.00599005	0.781205468
-0.1612483	cg12570309	FARSA	19	0.00457147	0.456060995
-0.1307999	cg26478401	FAS;FAS;FAS;	10	0.03821632	0.538522601
-0.1173884	cg01483139	FAT1	4	0.00262792	0.874171953
-0.1104091	cg07107113	FBLIM1	1	0.00863983	0.667467927
-0.1104312	cg00651497	FBN1	15	0.00165457	0.882384976
-0.2029508	cg18158306	FBRSL1	12	0.00591948	0.633182949
-0.196611	cg11155002	FBXL18	7	0.01375664	0.871365135
-0.1095803	cg19641327	FBXL7	5	0.0385047	0.624494384
-0.112029	cg03531326	FBXO17;FBXC	19	0.00569155	0.709425217
-0.1698181	cg12897164	FBXO32;FBXC	8	0.00141139	0.452529199
-0.1056154	cg20924136	FBXO36	2	0.01359805	0.532767943
-0.1491274	cg08580308	FBXO36	2	0.00471928	0.59772286
-0.1398365	cg05904901	FBXO41	2	0.00169634	0.680212157
-0.1998984	cg04973915	FBXW11;FBX	5	0.00795362	0.705536631
-0.1900662	cg03192919	FBXW12;FBX	3	0.0182636	0.790832646
-0.149021	cg10011799	FBXW2;LOC4	9	0.00390268	0.667236923
-0.1276258	cg15565057	FCAMR;FCAN	1	0.0036152	0.61650105

-0.1626462	cg20806175	FCER1G	1	0.01007321	0.288407266
-0.1566231	cg24465943	FCER1G	1	0.01037023	0.603107901
-0.1295668	cg09773499	FCER2	19	0.00061137	0.322365997
-0.2007743	cg19103704	FCGBP	19	0.00040856	0.452444544
-0.1335856	cg27470554	FCGR2A;FCG	1	0.03135466	0.514170028
-0.1454304	cg04384208	FCGR3A;FCG	1	0.03398437	0.654101293
-0.2137217	cg26435281	FCGR3B	1	0.0013563	0.404256448
-0.1547134	cg11263420	FCGRT;FCGR	19	0.01917992	0.689894034
-0.1449164	cg24783510	FCHO1;FCHO	19	0.03069067	0.786581869
-0.1299833	cg08206267	FCHO1;FCHO	19	0.00583145	0.787120831
-0.1071946	cg11529819	FCN3;FCN3	1	0.01079827	0.612772888
-0.108555	cg08933467	FCRL1;FCRL1	1	0.00152272	0.508716226
-0.1044983	cg09340639	FCRL1;FCRL1	1	0.0091554	0.495858356
-0.2591865	cg05777583	FCRL2	1	0.00033508	0.525358717
-0.1560057	cg17134153	FCRL3	1	0.01988813	0.774136711
-0.1134205	cg00160981	FCRLB	1	0.00215765	0.552783065
-0.1004121	cg05215310	FEM1A	19	0.02678133	0.452470943
-0.1932745	cg16174681	FER	5	0.00099592	0.623677384
-0.1777419	cg20890440	FER1L6	8	0.00259933	0.782658842
-0.1500915	cg07718903	FERMT1	20	0.00275215	0.585021099
-0.1466424	cg15692360	FERMT1	20	0.00495062	0.593283745
-0.1267101	cg26758396	FERMT1	20	0.00068869	0.661938719
-0.1180982	cg01647936	FERMT3;FERI	11	0.00482998	0.365596571
-0.1124775	cg07682037	FERMT3;FERI	11	0.03513808	0.746995241
-0.1483248	cg06330618	FES;FES;FES;F	15	0.01277625	0.611338825
-0.1613252	cg03548857	FFAR2	19	0.02922724	0.828906461
-0.1422223	cg21640432	FFAR2	19	0.044333	0.74277498
-0.138562	cg17244340	FGD2;FGD2	6	0.00127444	0.453857703
-0.1203435	cg13724550	FGF1;FGF1;F	5	0.01378902	0.494117009
-0.1161808	cg07620573	FGF12	3	0.04306487	0.545183598
-0.1146135	cg26328626	FGF12;FGF12	3	0.003901	0.755397565
-0.1056985	cg19746186	FGGY;FGGY	1	0.02193069	0.828530908
-0.104583	cg11587640	FGR	1	0.01786732	0.686093466
-0.1020632	cg03055021	FHAD1	1	0.01630475	0.716327932
-0.1241214	cg24038105	FHAD1	1	0.025754	0.656366027
-0.1434297	cg00004700	FHL2;FHL2;F	2	0.01710834	0.895825954
-0.1193898	cg19586143	FHOD3	18	0.02327723	0.783178546
-0.1014631	cg22851781	FIBCD1;FIBCI	9	0.02457281	0.834018513
-0.1033206	cg13447566	FIBCD1;FIBCI	9	0.01841521	0.798501085
-0.143275	cg19652483	FILIP1	6	0.02740907	0.441579553
-0.2479224	cg19482025	FLI1	11	0.00448577	0.394498813
-0.14514	cg01681098	FLI1;FLI1	11	0.00023192	0.754992836
-0.1248321	cg03199745	FLJ12825	12	0.00105657	0.81052058
-0.1376901	cg11795276	FLJ12825	12	0.02097007	0.447032166
-0.1229739	cg00753676	FLJ13197	4	0.00263798	0.757970998
-0.1213928	cg05626226	FLJ20184	4	0.00746499	0.641000054

-0.1142802	cg05675514	FLJ22536	6	0.00467523	0.794939611
-0.207815	cg06429439	FLJ22536	6	0.01031233	0.549725117
-0.2180838	cg16804603	FLJ22536	6	0.01224875	0.791363948
-0.1611371	cg02832512	FLJ22536	6	0.00732857	0.738895708
-0.1254553	cg05570258	FLJ23834	7	0.04891562	0.659483509
-0.1702487	cg19583379	FLJ35220;FLJ	17	0.02666729	0.607858555
-0.1274873	cg19025461	FLJ37453	1	0.0066384	0.785316047
-0.1064913	cg02579959	FLJ42289;FLJ	15	0.00822	0.553637661
-0.1091327	cg06661057	FLJ42627	16	0.01986032	0.469288776
-0.1270738	cg19797741	FLJ42709;FLJ	5	0.04784964	0.552746484
-0.1456409	cg02150354	FLJ42709;FLJ	5	0.02544737	0.499276507
-0.1442373	cg19980151	FLJ42709;FLJ	5	0.02228354	0.584943522
-0.1412106	cg12166662	FLJ42709;FLJ	5	0.01161195	0.572435573
-0.1174055	cg11648730	FLJ42709;FLJ	5	0.00034133	0.71290466
-0.1142943	cg08732466	FLJ42875;FLJ	1	0.00620584	0.810857842
-0.129319	cg06991974	FLJ42875;FLJ	1	0.00160315	0.562573538
-0.1225915	cg07946633	FLJ42875;PRI	1	0.00588981	0.496346784
-0.2068553	cg12194336	FLNB;FLNB;FL	3	0.00744491	0.460618607
-0.109078	cg19402236	FLT1;FLT1;FL	13	0.01351689	0.780598819
-0.1567441	cg22226821	FMN2	1	0.04081732	0.626461399
-0.2849586	cg13966628	FMN2	1	0.0204503	0.532375891
-0.1195971	cg11251367	FMN2	1	0.0263798	0.445693403
-0.1339292	cg12805374	FMNL1	17	0.02219884	0.466534811
-0.1509753	cg00612751	FMNL2	2	0.03770884	0.71896496
-0.2870942	cg02054252	FMNL3;FMNL	12	0.01079668	0.719308335
-0.269244	cg04070601	FMNL3;FMNL	12	0.0015281	0.434405136
-0.2424777	cg22803510	FNBP1L;FNBP	1	0.01668336	0.605562532
-0.2419515	cg07739841	FNDC1	6	0.04608023	0.78933997
-0.228619	cg14513071	FOXD2;FOXD	1	0.0306846	0.786501508
-0.2004117	cg02490736	FOXF2	6	0.00269238	0.512946174
-0.170993	cg15141195	FOXF2	6	0.01349775	0.796771555
-0.1646967	cg16087093	FOXI1;FOXI1	5	0.00466373	0.885849525
-0.1593377	cg00661485	FOXI1;FOXI1	5	0.02927091	0.56038359
-0.151429	cg17083575	FOXK1	7	0.02418887	0.309823884
-0.1317446	cg04261496	FOXK1	7	0.00882229	0.812646146
-0.1316617	cg02116768	FOXK2	17	0.02347421	0.611291436
-0.1037195	cg08645670	FOXL1	16	0.00643139	0.683063565
-0.1004288	cg26958524	FOXL1	16	0.00898612	0.81631918
-0.1936449	cg00584450	FOXL1;FOXL1	16	0.00446668	0.705223159
-0.1370487	cg18569623	FOXN3;FOXN	14	0.04639365	0.818600682
-0.1172906	cg14023350	FOXN3;FOXN	14	0.00665111	0.726299978
-0.119458	cg07109046	FOXO1	13	0.03256646	0.809277037
-0.200507	cg02202169	FOXO1	13	0.03490087	0.501205468
-0.1728503	cg10696351	FOXO1	13	0.00628678	0.313646704
-0.1672915	cg06175008	FOXP1	3	0.00440142	0.816996071
-0.140956	cg17803993	FOXP1;FOXP	3	0.04551682	0.340038768

-0.1406165	cg07368857	FOXP1;FOXP:	3	0.01245915	0.847592808
-0.1388697	cg25356639	FOXP1;FOXP:	3	0.01059703	0.775656359
-0.1222995	cg09611620	FOXP1;FOXP:	3	0.01221208	0.82363235
-0.1007513	cg13492245	FPGS;FPGS	9	0.01709726	0.44288551
-0.1590119	cg22152605	FPR1	19	0.01130336	0.655672198
-0.1194537	cg16052198	FPR2	19	0.04204574	0.45279734
-0.1588802	cg02102872	FRAS1;FRAS1	4	0.0176322	0.603237556
-0.1154696	cg25996663	FRK	6	0.01093575	0.69219451
-0.1200899	cg09684112	FRMD4A	10	0.00172912	0.752671537
-0.1153105	cg23037642	FRMD4A	10	0.04200768	0.508276304
-0.1591847	cg03355808	FRMD4A	10	0.00332753	0.490775876
-0.1717071	cg11377213	FRMD4B	3	0.00198434	0.397537743
-0.2087638	cg02886077	FRYL	4	0.04520134	0.327566431
-0.1986296	cg13672638	FSD1L;FSD1L	9	0.00609284	0.452516501
-0.1196426	cg17685019	FSHB;FSHB	11	0.00265137	0.675761418
-0.1077592	cg15195495	FSTL3	19	0.01382093	0.507313524
-0.1416348	cg01664151	FSTL4	5	0.02826806	0.772512807
-0.1173955	cg19005955	FSTL4	5	0.01027243	0.612202605
-0.1155832	cg02544257	FUK	16	0.00092844	0.246768779
-0.1152549	cg19348484	FURIN	15	0.00624453	0.540523681
-0.1038758	cg13300301	FUT4;FUT4	11	0.04087852	0.408775749
-0.1522268	cg17682828	FXYD1;FXYD1	19	0.00342006	0.546196613
-0.1074584	cg08130572	FYN;FYN	6	0.0036499	0.666822146
-0.1065316	cg19744498	FZD5	2	0.01115848	0.790689697
-0.1058121	cg19957162	FZD5	2	0.00133236	0.448306599
-0.1028837	cg07434244	GOS2	1	0.00842373	0.635234139
-0.1999639	cg18724037	GABRA5;GAE	15	0.01949418	0.437795755
-0.1790667	cg22672790	GABRA6;GAE	5	0.03573059	0.467568933
-0.1478669	cg11026604	GABRB3	15	0.04223672	0.716122319
-0.1358259	cg03942042	GABRB3;GAE	15	0.00648924	0.697496894
-0.2350607	cg10311132	GABRB3;GAE	15	0.00365654	0.434650304
-0.1334952	cg04847273	GABRD	1	0.00468098	0.470612357
-0.1858354	cg24087944	GABRD	1	0.00177863	0.611192759
-0.1679654	cg09205438	GABRG3	15	0.01770285	0.751959463
-0.1528759	cg19816354	GABRG3	15	0.00088839	0.366433954
-0.1034669	cg16741573	GALNT1	18	0.00172042	0.275392357
-0.1015517	cg13579752	GALNT10	5	0.00337707	0.829079178
-0.1421323	cg18311633	GALNT13	2	0.00040832	0.432146721
-0.2321042	cg12723251	GALNT2	1	0.00959799	0.363370306
-0.2194887	cg24308604	GALNT7	4	0.02501062	0.362311487
-0.1170671	cg11334728	GALNT9	12	0.03619574	0.660869744
-0.1166645	cg20064897	GALNT9	12	0.01054779	0.622901334
-0.1422311	cg26453169	GAPT	5	0.04126857	0.576677948
-0.2429651	cg11430077	GATA3;GATA	10	0.03717993	0.827959742
-0.1838032	cg03125765	GATSL3	22	0.00532709	0.416344877
-0.1594313	cg19257864	GBA;GBA;GB	1	0.00149392	0.214028219

-0.1195072	cg16387581	GCH1;GCH1;	14	0.00793586	0.787384391
-0.154076	cg18492943	GCK	7	0.01215842	0.700285016
-0.2018847	cg08931515	GCM1	6	0.00327376	0.608743981
-0.1446559	cg13411789	GCNT2	6	0.00464224	0.419533204
-0.147285	cg05989312	GCOM1;GCO	15	0.02099274	0.390223457
-0.247123	cg20043937	GCOM1;GCO	15	0.02415565	0.521966737
-0.1028085	cg22956254	GDF3	12	0.02631518	0.401186897
-0.1616568	cg12163407	GDF3	12	0.02430455	0.536877608
-0.1194768	cg16290866	GDF6	8	0.00102957	0.30112469
-0.1866722	cg07046818	GDF6	8	0.01150764	0.45131799
-0.1596181	cg15006881	GDF6	8	0.01007071	0.419749435
-0.2585264	cg04365123	GDF6	8	0.00016132	0.59165714
-0.1311899	cg27141850	GDF7	2	0.04143838	0.74652874
-0.142933	cg12930882	GDNF;GDNF;	5	0.00673448	0.268325789
-0.1578249	cg02331025	GDNF;GDNF;	5	0.00569357	0.710479803
-0.1313547	cg19622474	GDNF;GDNF;	5	0.0143046	0.784067457
-0.1048279	cg15368455	GDNF;GDNF;	5	0.00694497	0.388340415
-0.1184817	cg08268692	GDPD4	11	0.0434319	0.686635653
-0.1141875	cg13002506	GDPD4	11	0.0056348	0.751765562
-0.1369013	cg16874185	GDPD5	11	0.01324421	0.833382013
-0.2807053	cg01522592	GDPD5	11	0.00157503	0.764916231
-0.1270295	cg09120267	GEFT;GEFT	12	0.02109333	0.638252219
-0.1422853	cg12271079	GFRA1;GFRA	10	0.02761842	0.478910553
-0.124855	cg10922232	GGA3;GGA3	17	0.01178417	0.321454752
-0.1063658	cg24670151	GGA3;MRPS	17	0.01648236	0.355450216
-0.1036566	cg06306927	GHDC;GHDC;	17	0.0026545	0.364337664
-0.1942231	cg13053608	GHDC;GHDC;	17	0.04357434	0.648756605
-0.1445017	cg08468689	GHDC;GHDC;	17	0.00117861	0.412348721
-0.140907	cg05844788	GHRL;GHRL;	3	0.00067726	0.515309268
-0.1386167	cg03751527	GHRL;GHRL;	3	0.0405168	0.727897172
-0.1868709	cg03920999	GHRLOS;GHF	3	0.0274351	0.792963794
-0.1417207	cg23513930	GHRLOS;GHF	3	0.00314272	0.804961926
-0.128655	cg12210293	GIMAP1	7	0.00640472	0.599410018
-0.2297257	cg20795023	GIMAP1	7	0.00045549	0.403591845
-0.1682156	cg08960815	GIMAP4	7	0.00140817	0.728194014
-0.1208294	cg03334072	GIMAP5	7	0.00432223	0.796650524
-0.1177773	cg13043509	GIMAP5;GIM	7	0.007636	0.39292921
-0.1136494	cg07319528	GIMAP5;GIM	7	0.00417725	0.541416387
-0.1171899	cg24249248	GIMAP5;GIM	7	0.00305247	0.443806274
-0.1186517	cg11541382	GIMAP6;GIM	7	0.00027163	0.588138363
-0.1590861	cg03490881	GIMAP6;GIM	7	0.04792063	0.686250059
-0.1687657	cg15849098	GIMAP7	7	0.01268526	0.799284904
-0.1224701	cg07956751	GIMAP7	7	0.04674998	0.301211499
-0.1055539	cg24413842	GIMAP7	7	0.01280091	0.587099975
-0.1506643	cg03801183	GIMAP7	7	0.01136374	0.645238108
-0.1920392	cg00051483	GIMAP7	7	3.61E-05	0.431719156

-0.1211669	cg17643598	GIMAP7	7	8.93E-07	0.495305416
-0.1043485	cg25597797	GIPC3	19	0.00256511	0.360715298
-0.1330508	cg00510437	GIT2;GIT2;GI	12	0.03123332	0.572001708
-0.1054872	cg02173484	GJA5	1	0.00256225	0.783329435
-0.124858	cg07999953	GJB3;GJB3	1	0.03579894	0.628734396
-0.1584073	cg12630277	GJD4	10	0.00991805	0.655573557
-0.1349631	cg09071093	GLI1;GLI1;GL	12	0.00479705	0.475614837
-0.2848261	cg06679990	GLI1;GLI1;GL	12	0.00925854	0.592004454
-0.1287568	cg13500029	GLIPR1	12	0.02657327	0.840120061
-0.1154465	cg06596075	GLIPR1L1	12	0.00296672	0.193784648
-0.151468	cg13168314	GLIS1	1	2.96E-05	0.407417454
-0.1355635	cg24741609	GLIS1	1	0.00031619	0.417495573
-0.1098171	cg14325112	GLIS3;GLIS3	9	0.00554547	0.621660106
-0.1266678	cg11650648	GLP2R	17	0.03676163	0.674721077
-0.1047378	cg22747507	GLRA3;GLRA	4	0.03286977	0.572538377
-0.1031373	cg03852144	GLRX;GLRX	5	0.00191143	0.191318224
-0.1543487	cg22689909	GLRX;GLRX	5	3.75E-05	0.325982983
-0.1106002	cg16677191	GLRX;GLRX	5	0.00059972	0.696355102
-0.1294468	cg18131582	GLT25D2	1	0.0026514	0.710813808
-0.1601085	cg27642528	GLUD1	10	0.01002355	0.641167685
-0.1075994	cg18551877	GLYATL2	11	0.0090985	0.669767803
-0.1227151	cg01708377	GMDS	6	0.0124988	0.775273524
-0.1835167	cg17514766	GMFG	19	0.01490159	0.812993055
-0.1547513	cg27360210	GMFG	19	0.00251867	0.764955875
-0.1546146	cg05607401	GMFG;GMFC	19	0.01761486	0.7074958
-0.1171275	cg09569432	GMFG;GMFC	19	0.00064112	0.344384318
-0.2408008	cg20650545	GMFG;GMFC	19	0.0039499	0.409415974
-0.2313752	cg20381182	GMPR	6	0.02140343	0.438966676
-0.2181109	cg11967765	GNA12	7	0.01893013	0.72241416
-0.2154265	cg26924967	GNA15	19	0.00434589	0.537494575
-0.1998307	cg25418001	GNAI1	7	0.0237442	0.648766991
-0.1928379	cg23699918	GNASAS	20	0.00419955	0.793989196
-0.1854147	cg10309886	GNASAS	20	0.01173077	0.786109541
-0.1820172	cg03030267	GNASAS;MIR	20	0.00245012	0.846818173
-0.1792737	cg01919999	GNB2L1	5	0.01791171	0.656836652
-0.1790657	cg14120436	GNB5	15	0.02246377	0.711834222
-0.1679794	cg08038054	GNG11	7	0.00253979	0.291002734
-0.1676834	cg17168836	GNG12	1	0.02893715	0.650859004
-0.1674654	cg25217276	GNG4;GNG4;	1	0.01705402	0.804445173
-0.1654819	cg08134671	GNG7	19	0.01377288	0.636799562
-0.1652465	cg04603130	GNG7	19	0.00088136	0.277045844
-0.1647321	cg27221477	GNL1	6	0.00398586	0.289970713
-0.1642825	cg10996111	GNL1	6	0.00516186	0.380282186
-0.163879	cg01687189	GNPTAB	12	0.02090483	0.506772254
-0.150582	cg15058852	GNS	12	0.0439296	0.508483003
-0.1498748	cg18963763	GOLGA7B	10	0.02245443	0.386857168

-0.1490828	cg02389590	GOLSYN;GOL	8	0.03634263	0.490965249
-0.1461474	cg08987251	GOT2	16	0.01675075	0.880017692
-0.1427579	cg16627786	GP1BB;SEPT	22	0.00592099	0.754293593
-0.1388746	cg23787873	GP1BB;SEPT	22	0.00379383	0.79771314
-0.1379885	cg02357751	GP1BB;SEPT	22	0.00444698	0.811149612
-0.1317278	cg16210718	GP1BB;SEPT	22	0.00052651	0.735151735
-0.1251626	cg03263514	GP1BB;SEPT	22	0.00415034	0.785995786
-0.123166	cg07359545	GP1BB;SEPT	22	0.00432281	0.641506331
-0.1220642	cg14880079	GP5	3	0.0093651	0.591650333
-0.11961	cg02462353	GP6;GP6	19	0.00207283	0.703241461
-0.1113487	cg25818583	GP6;GP6	19	0.00260487	0.802431213
-0.1112993	cg02565999	GPC6	13	0.00328561	0.861393102
-0.1103927	cg25580198	GPIHBP1	8	0.00490262	0.505977758
-0.1101992	cg09012091	GPLD1	6	0.01772717	0.681209458
-0.1087822	cg20012537	GPR123	10	0.00211032	0.593196712
-0.1085152	cg19700872	GPR151	5	0.01497203	0.428197845
-0.1068968	cg25586410	GPR155;GPR	2	0.02583526	0.429512297
-0.1002142	cg09623018	GPR158	10	0.04905188	0.489418508
-0.1480215	cg20597477	GPR176	15	0.01731847	0.59539039
-0.144763	cg23078123	GPR177	1	0.02314878	0.670462484
-0.138851	cg16110541	GPR177;GPR	1	0.00522904	0.773690704
-0.190422	cg24002158	GPR20	8	0.0483099	0.608132514
-0.1451557	cg14039479	GPR26	10	0.0296981	0.798885019
-0.1054748	cg25285053	GPR31	6	0.01614526	0.581258833
-0.1069999	cg05875421	GPR68	14	0.00595398	0.685817734
-0.1099826	cg15361750	GPR77	19	0.01019536	0.793188673
-0.1066028	cg01988891	GPR84	12	0.00972926	0.823970882
-0.2048237	cg18723553	GPSM3	6	0.01511462	0.53367155
-0.1263165	cg23859630	GPSM3	6	0.00233083	0.486656894
-0.1133187	cg18642234	GPX1;GPX1;C	3	0.01584288	0.534708958
-0.1720369	cg19168192	GPX5;GPX5	6	0.04957816	0.645347244
-0.2158152	cg12280901	GPX5;GPX5	6	0.03222501	0.637413027
-0.1446729	cg23936402	GPX5;GPX5	6	0.01717987	0.340241784
-0.1334211	cg23824666	GPX5;GPX5	6	0.0317545	0.762308576
-0.1058669	cg26170660	GPX5;GPX5	6	0.00427774	0.512621372
-0.1144029	cg11241750	GRAMD3	5	0.03880519	0.403975119
-0.1629272	cg03840259	GRAP2	22	0.01397006	0.728425338
-0.115446	cg26203383	GRAP2	22	0.00254751	0.718660717
-0.1289625	cg06611426	GRASP	12	0.00220513	0.495490411
-0.1650009	cg19374752	GRASP	12	0.00187332	0.469002935
-0.1139993	cg12358041	GRB10;GRB1	7	0.01600194	0.469609573
-0.1074314	cg16281600	GRIA1;GRIA1	5	0.03113458	0.370910153
-0.1556355	cg24351003	GRID1	10	0.00595913	0.511537149
-0.1072548	cg13396607	GRIK2;GRIK2	6	0.02378612	0.749265375
-0.2281932	cg08106961	GRIK3	1	4.99E-05	0.26802571
-0.1005125	cg04016326	GRIN2B;GRIN	12	0.02404452	0.597342565

-0.1117266	cg24030173	GRIN2D	19	0.01686875	0.673167998
-0.121792	cg15580458	GRK5	10	0.00393321	0.826007917
-0.1347263	cg24902461	GRK5	10	0.00493181	0.457455625
-0.1304952	cg12363682	GRM6	5	0.03121561	0.719585997
-0.184079	cg21032008	GRM7;GRM7	3	0.00453093	0.320871894
-0.1534894	cg24294950	GRM8;GRM8	7	0.00102382	0.403417194
-0.1440592	cg10469791	GRXCR1	4	0.00396286	0.592526563
-0.1169909	cg05316065	GSDMC;GSDI	8	0.00015383	0.274948718
-0.1437169	cg05123333	GSG1L	16	0.00076717	0.529431043
-0.1293319	cg06882571	GSG1L;GSG1L	16	0.00944765	0.498025329
-0.1573252	cg06049177	GSR	8	0.01032212	0.79451356
-0.1187625	cg08305799	GSR	8	0.0230154	0.719651957
-0.2056453	cg04340502	GSTA3	6	0.00801939	0.731219992
-0.1131889	cg27343684	GSTA3	6	0.00879948	0.792206972
-0.160484	cg25866895	GSTP1	11	0.00395384	0.751302047
-0.1773563	cg23725454	GSTP1	11	0.03232589	0.386863969
-0.140145	cg10248878	GSX2	4	0.02228354	0.789334169
-0.2059544	cg11566152	GTF2E1	3	0.04482154	0.739202531
-0.1493466	cg18325315	GTF2IRD1;GT	7	0.01411179	0.688467437
-0.114904	cg22579828	GTSF1L;GTSF	20	0.02119285	0.577798306
-0.1193587	cg09212118	GUCA2A	1	0.00121665	0.642749351
-0.1053839	cg13725803	GUCY1B2	13	0.01321065	0.492924891
-0.175648	cg24013213	GUCY1B2	13	0.02049537	0.774674592
-0.1051653	cg20911180	GUCY2E	11	0.02633804	0.755061253
-0.120888	cg24772388	GYPC;GYPC	2	0.00033491	0.379524763
-0.1262088	cg06745001	GYS1;GYS1;G	19	0.01524277	0.428341342
-0.1005414	cg06118312	GZMA	5	0.00292781	0.717579132
-0.1527468	cg03875678	GZMB	14	0.0006377	0.32029345
-0.2004742	cg16356013	H2AFY;H2AF'	5	0.02185059	0.795704056
-0.1323446	cg14418802	H6PD	1	0.002972	0.749751227
-0.1099457	cg22491680	HAL	12	0.03697659	0.858112888
-0.1044648	cg03719032	HAPLN4	19	0.00922131	0.533846261
-0.1384343	cg07664183	HAUS6	9	0.04795017	0.514864984
-0.1842988	cg17484237	HAVCR2;HAV	5	0.00765173	0.738812654
-0.1484917	cg15371617	HAVCR2;HAV	5	0.00162118	0.714865643
-0.1017064	cg09751515	HBD	11	0.00043795	0.783646249
-0.1220634	cg26306638	HBEGF	5	0.02433977	0.662258608
-0.1373518	cg26729101	HBQ1	16	0.04930331	0.687349992
-0.1359506	cg25590114	HCCA2	11	0.02309241	0.46504882
-0.134911	cg07715909	HCCA2	11	0.00147804	0.438448473
-0.1082097	cg08261871	HCCA2	11	0.0257503	0.798557051
-0.1007935	cg04938738	HCCA2	11	0.02787982	0.756853634
-0.1139496	cg13376953	HCCA2	11	0.00752062	0.521577265
-0.1131098	cg19866040	HCCA2;KRTA	11	0.00861279	0.415870567
-0.1631773	cg08240778	HCCA2;KRTA	11	0.02424081	0.641969629
-0.1052084	cg24714100	HCG18;HCG1	6	0.00461952	0.655771065

-0.1277889	cg07717512	HCG22	6	0.03243493	0.690543624
-0.1212162	cg05615856	HCG27	6	0.02623519	0.407015436
-0.1202713	cg09470907	HCG4P6	6	0.00922818	0.552796843
-0.1370524	cg07971188	HCP5	6	0.01644847	0.429520397
-0.1032209	cg25843003	HCP5	6	0.00925678	0.702628923
-0.1158932	cg21026460	HDAC11;HDA	3	0.00268889	0.892661522
-0.1288089	cg19955928	HDAC4	2	0.00292781	0.647436655
-0.118243	cg26876664	HDAC4	2	0.00096211	0.782728671
-0.1319073	cg09681977	HDAC4	2	0.00211548	0.681606834
-0.1067703	cg05997414	HDAC4	2	0.00282066	0.633087074
-0.1131076	cg00332048	HDAC9;HDAC	7	0.00614738	0.362195645
-0.1084234	cg19670290	HDDC3;UNC4	15	0.00011415	0.28518149
-0.1006486	cg23280720	HECA	6	0.00381556	0.800949395
-0.2581753	cg01213645	HECW1	7	0.03606414	0.813770276
-0.209466	cg18752527	HECW2	2	0.00219754	0.833839744
-0.1578209	cg09907068	HECW2	2	0.02447423	0.820598597
-0.1265259	cg02550950	HECW2	2	0.01190543	0.730498145
-0.1042502	cg08338478	HECW2	2	0.01194289	0.711067609
-0.1206036	ch.3.2442921F	HEG1	3	0.01835909	0.226708917
-0.2304703	cg11029367	HEG1	3	0.00443063	0.768427711
-0.1627597	cg13486755	HEMGN;HEM	9	0.0064434	0.447299177
-0.1830014	cg09317502	HEPACAM2	7	0.01212269	0.49888823
-0.177391	cg02544502	HEPACAM2;H	7	0.02066691	0.460636004
-0.1686757	cg02814482	HEPHL1	11	0.02134278	0.480145099
-0.1489737	cg14091419	HERC2	15	0.04448042	0.774048411
-0.1334723	cg24495350	HEXA	15	0.00417309	0.820870727
-0.1182722	cg03301084	HEY1;HEY1	8	0.00621545	0.388730322
-0.1180929	cg15567428	HGF;HGF;HG	7	0.00014355	0.514615854
-0.1377299	cg18187729	HHLA1	8	0.00045243	0.777635427
-0.1833871	cg01160692	HIC1;HIC1	17	0.03370303	0.907672987
-0.140824	cg08449639	HIC2	22	0.0032554	0.485786481
-0.1256526	cg14277677	HIP1R	12	0.02956526	0.553381645
-0.1217429	cg20784259	HIPK1;HIPK1;	1	0.01075642	0.75104848
-0.2193447	cg23646343	HIPK2;HIPK2	7	0.00736344	0.741235862
-0.1649527	cg01171339	HIST1H2AL	6	0.0184353	0.639160122
-0.1202442	cg24254842	HIVEP3;HIVE	1	0.01805463	0.708702869
-0.1121245	cg23114964	HIVEP3;HIVE	1	0.01380019	0.762632523
-0.1023711	cg17892259	HIVEP3;HIVE	1	0.02552901	0.759896732
-0.1330479	cg10054398	HIVEP3;HIVE	1	0.00666693	0.785699212
-0.100533	cg05595692	HK2	2	0.02585484	0.752590981
-0.1758401	cg09869729	HK3	5	0.00367612	0.74163208
-0.1465976	cg17809377	HK3	5	0.00273745	0.678721598
-0.1455367	cg11086883	HLA-A	6	0.02978947	0.429103713
-0.1165882	cg08039587	HLA-A	6	0.00177811	0.637643375
-0.1017237	cg16742075	HLA-A	6	0.04329129	0.505663046
-0.10127	cg24421410	HLA-DMA	6	0.01764009	0.713600347

-0.1278274	cg24129356	HLA-DMA	6	0.03741429	0.796699006
-0.1233698	cg02806715	HLA-DMA	6	0.01984974	0.803545188
-0.1137267	cg09146459	HLA-DMA	6	0.02418213	0.54587947
-0.1500496	cg03520342	HLA-DMA	6	0.02672176	0.618876791
-0.2263811	cg00862588	HLA-DMB	6	0.00125244	0.315757315
-0.1923133	cg22324029	HLA-DMB	6	0.01455944	0.608983177
-0.1334059	cg05281796	HLA-DOA	6	0.00251421	0.592606452
-0.1237876	cg20907136	HLA-DPA1	6	0.03274408	0.441560941
-0.1905534	cg15575880	HLA-DPA1	6	0.02675797	0.596540609
-0.1752544	cg24287218	HLA-DPA1	6	0.01105816	0.487460757
-0.1958922	cg09321817	HLA-DPA1	6	0.0011636	0.752619094
-0.1927484	cg00403478	HLA-DPA1	6	0.00504095	0.712689803
-0.1547202	cg11451043	HLA-DPA1	6	0.00096068	0.47872222
-0.1498346	cg26350754	HLA-DPB1	6	0.00482035	0.718096734
-0.1448225	cg14356799	HLA-DPB1	6	0.00335726	0.757467549
-0.1432075	cg12365667	HLA-DPB1	6	0.01013819	0.472294572
-0.1186892	cg12899649	HLA-DPB1;HL	6	0.00042464	0.240349639
-0.1151418	cg08506353	HLA-DPB2	6	0.01238904	0.595385763
-0.1143896	cg17043247	HLA-DPB2	6	0.00780508	0.706109618
-0.101743	cg00334532	HLA-DQA2	6	0.0152771	0.800968234
-0.1275093	cg10989981	HLA-DQB1	6	0.01791368	0.635347292
-0.1893345	cg06499030	HLA-DQB2	6	0.00137787	0.354830322
-0.2059362	cg19248557	HLA-DRA	6	0.03519487	0.730198334
-0.1621612	cg25258233	HLA-DRA	6	0.01579038	0.445481915
-0.1235862	cg26928531	HLA-DRA;HL	6	0.00260003	0.397221844
-0.1550459	cg25046571	HLA-G	6	0.03022756	0.585484187
-0.1282465	cg18645081	HLX	1	0.00513896	0.579417659
-0.1689518	cg01504447	HMGB1	13	0.04418248	0.299896661
-0.1331379	cg13176979	HMGN3;HMK	6	0.00560244	0.764860034
-0.131652	cg02211825	HMGN3;HMK	6	0.01045891	0.863929444
-0.2151574	cg02423080	HMGXB3	5	0.0054314	0.416227433
-0.1914369	cg14478768	HMHA1	19	0.02398897	0.590311513
-0.1472391	cg02753354	HMHA1	19	0.00473877	0.45949562
-0.1466347	cg10655396	HMHA1	19	0.00216283	0.414165564
-0.1843294	cg09560590	HMHB1	5	0.00081264	0.756657685
-0.1068384	cg04225775	HMHB1;HMF	5	0.00027017	0.713453723
-0.1124005	cg14694075	HNF1B;HNF1	17	0.01818517	0.553988694
-0.1326164	cg22872033	HNRNPC;HNI	14	0.01823019	0.674207219
-0.114216	cg15722438	HNRNPM;HN	19	0.01418477	0.781881358
-0.1057723	cg22829917	HOTAIR	12	0.01051314	0.530062399
-0.1030915	cg00079219	HOTAIR	12	0.03945713	0.729858641
-0.1617545	cg14691529	HOTAIR	12	0.00020698	0.730204717
-0.1541697	cg24895871	HOTAIR	12	0.02967151	0.714786084
-0.1526408	cg18824990	HOTAIR	12	0.00467451	0.764849697
-0.1194141	cg18040901	HOTAIR	12	0.0002596	0.600301501
-0.1673989	cg11328436	HOTAIR	12	0.0201127	0.764424537

-0.1690859	cg16006349	HOTAIR	12	0.00132156	0.845502259
-0.1017018	cg17573720	HOTAIR	12	0.00423319	0.479045614
-0.1008368	cg08941355	HOXA1;HOXA	7	0.0390846	0.818195731
-0.1073801	cg06587155	HOXA11AS	7	0.02340972	0.458279562
-0.1504236	cg12147489	HOXA11AS	7	0.01041808	0.450341051
-0.1061931	cg20994254	HOXA11AS	7	0.00928586	0.771557806
-0.1055045	cg07083464	HOXA13	7	0.03594969	0.472730969
-0.1973115	cg23206851	HOXA2	7	0.01521243	0.533152291
-0.2128955	cg06911354	HOXA7	7	0.02436693	0.821914916
-0.1487475	cg26511321	HOXA7	7	0.00107568	0.461996659
-0.1258867	cg00524443	HOXB3	17	0.03246573	0.481566076
-0.136123	cg04014328	HOXB4	17	0.04681486	0.51442183
-0.1248051	cg21493516	HOXC4	12	0.00497242	0.786040344
-0.1116563	cg11594833	HOXC4	12	0.03515426	0.888290191
-0.1086806	cg22151644	HOXC4	12	0.0163769	0.726220666
-0.1743579	cg10366797	HOXC4	12	0.03230159	0.850891946
-0.1550668	cg01524853	HOXC4;HOXC	12	0.00340662	0.354478957
-0.1541713	cg09720701	HOXC4;HOXC	12	0.00416456	0.433508634
-0.1093734	cg22747076	HOXC4;HOXC	12	0.01947387	0.677308682
-0.1496246	cg05992786	HOXC4;HOXC	12	0.03886184	0.712275859
-0.1329637	cg11585893	HOXC4;HOXC	12	0.00169174	0.580046869
-0.1251054	cg26201952	HOXC4;HOXC	12	0.0017823	0.715916455
-0.1666568	cg05987823	HOXC4;HOXC	12	0.01546685	0.815300396
-0.1873577	cg06479254	HOXD10	2	0.03831935	0.853885896
-0.1853131	cg21902187	HOXD3	2	0.03626612	0.847540864
-0.1054559	cg25942990	HOXD4;MIR1	2	0.00814167	0.72797707
-0.1010116	cg10753836	HOXD9	2	0.02317923	0.49686231
-0.1167237	cg09173768	HOXD9	2	0.01676147	0.73120819
-0.1240483	cg11597131	HOXD9	2	0.01551061	0.471267351
-0.1700871	cg19373813	HOXD9	2	0.00529793	0.384019477
-0.1677676	cg24715735	HPN;HPN	19	0.0028186	0.469046407
-0.1531782	cg06151964	HPN;HPN;HP	19	0.00286162	0.635930308
-0.1233466	cg12183501	HPS3	3	0.00954668	0.835888376
-0.1102897	cg21431832	HPS4;HPS4	22	0.0387066	0.736835654
-0.110206	cg03321813	HPSE;HPSE;H	4	0.00362218	0.587841068
-0.1292035	cg16745930	HPSE2;HPSE2	10	0.0164193	0.68275964
-0.1063334	cg03593259	HRASLS2	11	0.0202653	0.61997035
-0.1342285	cg00489394	HRASLS5;HR/	11	0.03689565	0.479797704
-0.1293516	cg00754253	HRASLS5;HR/	11	0.01095321	0.434247013
-0.183146	cg15819918	HRK	12	0.04694337	0.631879839
-0.1422201	cg19442493	HRNBP3	17	0.00105217	0.543442321
-0.1354797	cg00380428	HRNBP3	17	0.03936967	0.719421639
-0.1553673	cg02150820	HRNBP3	17	0.00138968	0.755505396
-0.1425745	cg09837116	HRNBP3	17	0.00089136	0.54128773
-0.1226664	cg01944110	HS3ST1	4	0.01024612	0.856763733
-0.1050411	cg01242676	HS3ST3A1	17	0.04162271	0.831260657

-0.1330635	cg25181144	HS3ST3B1	17	0.0007449	0.229232384
-0.165797	cg18192491	HS3ST5	6	0.0139004	0.713813411
-0.1215629	cg16684691	HS6ST3	13	0.00190569	0.507579758
-0.1644305	cg09894383	HSD17B2	16	0.00891351	0.510476078
-0.1513731	cg02524754	HSF2BP	21	0.0189904	0.77302835
-0.1616933	cg17895870	HSH2D	19	0.00017449	0.297416332
-0.1073016	cg15668490	HSH2D	19	0.00145088	0.409859085
-0.1285777	cg02025270	HSH2D	19	0.01442997	0.679234712
-0.1847103	cg13838634	HSPA1A	6	0.00213053	0.504879249
-0.1882537	cg24888257	HSPA1A;HSP	6	0.00349843	0.586117224
-0.1229782	cg12851514	HSPC072;LOC	20	0.00807904	0.332078806
-0.1567293	cg00023024	HTR1D	1	0.01832006	0.71699831
-0.1010131	cg08273233	HTR1E	6	0.00054161	0.66494753
-0.146586	cg15888097	HTR1E	6	0.00191237	0.419480637
-0.1442461	cg08372315	HTR3A;HTR3	11	0.0204767	0.623505342
-0.244589	cg01459748	HTR3B	11	0.00066183	0.666501175
-0.1151546	cg01808284	HTR4;HTR4;t	5	0.02483815	0.587188573
-0.1320553	cg15719652	HTRA1	10	0.01353909	0.824893238
-0.1220024	cg00701951	HTRA1	10	0.00706008	0.841579654
-0.1141565	cg11157691	HTRA1	10	0.000644	0.791289847
-0.1436665	cg23791011	HTRA1	10	0.00516936	0.709682819
-0.1023416	cg21184369	HTRA4;PLEK1	8	0.00011804	0.760210939
-0.102319	cg21121843	HTT	4	0.03344513	0.796976129
-0.1055088	cg25284031	HVCN1;HVCN	12	0.01633283	0.672576184
-0.1669679	cg14430015	ICA1;ICA1;IC	7	0.0039499	0.585613335
-0.1232962	cg10275770	ICAM2;ICAM	17	0.0049904	0.48551125
-0.1481015	cg12793803	ICAM2;ICAM	17	0.00431698	0.592190985
-0.1452942	cg18054725	ICAM3	19	0.00077117	0.355558294
-0.1432904	cg23671824	ICAM3;ICAM	19	0.02878213	0.448352501
-0.1149075	cg15391590	ICK;ICK	6	0.01984974	0.881959653
-0.1115042	cg11336311	ID3	1	0.0324538	0.487080066
-0.1073608	cg20284982	IER3	6	0.00395258	0.505559577
-0.1108781	cg20597486	IFI16;IFI16	1	0.00575759	0.795284842
-0.1214419	cg07463059	IFI16;IFI16	1	0.00109553	0.6521847
-0.2369537	cg16341979	IFI27;IFI27	14	0.00783985	0.721680229
-0.18157	cg24979161	IFI27L1;IFI27	14	0.0180927	0.785243044
-0.175643	cg07107453	IFI44	1	0.04694227	0.716318961
-0.1421923	cg17980508	IFI44L	1	0.00158566	0.454357163
-0.1464557	cg27478224	IFIT2	10	0.00506623	0.237062211
-0.1633638	cg00622702	IFNAR1	21	0.02579759	0.757544992
-0.1009804	cg17356733	IFNGR2	21	0.00701258	0.887492528
-0.1029176	cg08173915	IFNGR2	21	0.02213858	0.800180146
-0.1932326	cg19724567	IFRD1	7	0.00812976	0.587524789
-0.1028486	cg05526364	IFT122;IFT12	3	0.01634592	0.666367925
-0.1317942	cg03163545	IFT140;TMEM	16	0.00995838	0.627391474
-0.1207993	cg08761208	IGDCC4	15	0.00090805	0.644765485

-0.105914	cg26579713	IGDCC4	15	0.00141659	0.726770465
-0.2633099	cg25924694	IGF1;IGF1;IGI	12	0.04654046	0.344112774
-0.1898443	cg27139419	IGF1R	15	0.02250448	0.851221195
-0.1224534	cg26577252	IGF1R	15	0.00362882	0.62611382
-0.1172241	cg23030069	IGF2AS;INS-IC	11	0.01009476	0.585172947
-0.102217	cg26719629	IGF2AS;INS-IC	11	0.03714254	0.838324343
-0.140932	cg19131227	IGF2AS;INS-IC	11	0.03655982	0.722390993
-0.128343	cg20088847	IGF2AS;INS-IC	11	0.02013892	0.646133194
-0.1575986	cg14895961	IGF2AS;INS-IC	11	0.01092566	0.825931719
-0.1258939	cg05323345	IGF2AS;INS-IC	11	0.00746943	0.760550206
-0.1256374	cg02425416	IGF2AS;INS-IC	11	0.01039523	0.714163428
-0.1117737	cg05777976	IGF2AS;INS-IC	11	3.77E-05	0.589674367
-0.1481732	cg10501065	IGF2AS;INS-IC	11	0.01151368	0.296166611
-0.2359736	cg12877935	IGF2AS;INS-IC	11	0.00088374	0.449946136
-0.1548306	cg11005826	IGF2AS;INS-IC	11	0.00192692	0.618036821
-0.1341174	cg21237591	IGF2AS;INS-IC	11	0.00556595	0.409902094
-0.1189447	cg21025494	IGF2BP3	7	0.00092056	0.690011841
-0.1607948	cg25754852	IGF2R	6	0.02080371	0.686221054
-0.130796	cg17980404	IGFBP4	17	0.01132647	0.620183883
-0.1051921	cg06559575	IGFBP6	12	0.00078633	0.333514393
-0.1475561	cg15696506	IGFBP7	4	0.00856725	0.291548425
-0.1059577	cg10923036	IGFBP7	4	0.00045412	0.434117972
-0.1184899	cg02415431	IGLL1;IGLL1	22	0.01395469	0.641515168
-0.1904007	cg14902267	IGLL1;IGLL1	22	0.0097826	0.547302869
-0.1076004	cg04237608	IGSF21	1	0.0071272	0.518249393
-0.2339421	cg13840174	IGSF21	1	0.00227306	0.663518017
-0.175801	cg16120742	IKZF1	7	0.04935308	0.356509311
-0.1108457	cg05468843	IL10RA;IL10R	11	0.00400749	0.501093616
-0.1110733	cg12123019	IL12RB1;IL12	19	0.00404496	0.644227407
-0.1305195	cg09577367	IL12RB1;IL12	19	0.02247866	0.526046369
-0.107485	cg01574571	IL12RB1;IL12	19	0.00804034	0.622392352
-0.1044446	cg19745415	IL12RB2	1	0.04196897	0.373977729
-0.1961487	cg01356829	IL12RB2	1	0.00079084	0.562503696
-0.1771836	cg11418177	IL15;IL15	4	0.01431969	0.54402059
-0.1221977	cg07794885	IL17C	16	0.01353127	0.449531349
-0.1213871	cg07832674	IL17RE;IL17R	3	0.03232589	0.772448122
-0.1544818	cg09218250	IL17RE;IL17R	3	0.0035329	0.518121504
-0.1576008	cg16324121	IL17RE;IL17R	3	0.03731998	0.691631493
-0.1081228	cg00090674	IL17REL	22	0.00158707	0.785080729
-0.1448793	cg05736785	IL17REL	22	0.03316444	0.59527655
-0.1219981	cg01522296	IL17REL	22	0.0037923	0.793355961
-0.1663131	cg12380764	IL19	1	0.0241326	0.582798612
-0.167245	cg27368523	IL1A	2	0.04678037	0.746309979
-0.1168715	cg02229946	IL1F7;IL1F7;II	2	0.0054314	0.673656807
-0.1104861	cg03989987	IL1RN;IL1RN;	2	0.03427423	0.38054486
-0.1573166	cg25065535	IL2	4	0.02528535	0.495201871

-0.1425505	cg02656594	IL21R	16	0.01070995	0.580179272
-0.1267183	cg05814654	IL21R;IL21R	16	0.01595839	0.46794967
-0.1124735	cg23507945	IL22RA2;IL22	6	0.04152522	0.825633075
-0.1085189	cg21477985	IL23A	12	0.0080813	0.328572959
-0.1405427	cg20944379	IL24;IL24	1	0.03366556	0.416999849
-0.111819	cg27131821	IL2RA	10	0.00438116	0.31292288
-0.2708861	cg22788465	IL3	5	0.00095485	0.519668014
-0.186359	cg04245540	IL31RA	5	0.01884548	0.241709354
-0.1545723	cg07363330	IL31RA	5	0.03122271	0.58040344
-0.1480505	cg16649560	IL4R;IL4R	16	0.00046123	0.448182889
-0.1099696	cg23032421	IL5RA;IL5RA;I	3	0.00180528	0.710384433
-0.1480142	cg04312209	IL7R	5	0.04249453	0.414158329
-0.1081993	cg24833674	ILD2	1	0.00187795	0.85826097
-0.1223422	cg08065733	INHBB	2	0.00570178	0.422802185
-0.122195	cg03438101	INPP5A	10	0.02758866	0.639782694
-0.1507897	cg06760238	INPP5A	10	0.01646887	0.652542983
-0.2718837	cg05695429	INPP5D;INPP	2	0.00147565	0.662315603
-0.2040507	cg07185664	INPP5K;INPP	17	0.02523279	0.742084446
-0.1800163	cg04057455	INS-IGF2;IGF	11	0.00928978	0.725409578
-0.164805	cg02742555	INSC;INSC	11	0.00010095	0.534788214
-0.158008	cg08129092	INTS3	1	0.00067309	0.402555833
-0.1563383	cg10452060	IPCEF1;IPCEF	6	0.00700217	0.866604433
-0.1477221	cg16932472	IPO5;IPO5	13	0.01388161	0.541718159
-0.147198	cg22677858	IPO9	1	0.00080277	0.356811508
-0.1468456	cg16478536	IRF4	6	0.00045507	0.356582496
-0.1447201	cg00140447	IRF5;IRF5;IRF	7	0.00821471	0.675271331
-0.1442381	cg13914531	IRF5;IRF5;IRF	7	0.02103196	0.750449966
-0.1433409	cg04086097	IRF5;IRF5;IRF	7	0.00345076	0.801005506
-0.1429292	cg00645579	IRF7;IRF7;ML	11	0.01166014	0.805494018
-0.1372015	cg16705546	IRF8	16	0.00895258	0.727723828
-0.1293949	cg04599946	IRF8	16	0.00588996	0.343191044
-0.1241046	cg09100014	IRF8	16	0.00877215	0.812766618
-0.1164895	cg07955474	IRF8	16	0.00189164	0.681663611
-0.1118242	cg01901262	IRX5	16	0.00027298	0.312280524
-0.1082646	cg10824810	IRX5	16	0.00152272	0.707495525
-0.1060609	cg05099576	IRX6	16	0.00622483	0.750789843
-0.1956758	cg02198701	IRX6	16	0.00253418	0.560995196
-0.1235301	cg17686487	ISL1	5	0.00059972	0.349731895
-0.1223441	cg26293019	ISL1	5	0.00192692	0.518450803
-0.1105142	cg05412396	ISL2	15	0.03732451	0.763329196
-0.1966092	cg26266708	ISL2	15	0.04773715	0.636778196
-0.1420739	cg25789916	ISLR2;ISLR2;I	15	0.00278527	0.480687585
-0.1362651	cg08682532	ISLR2;ISLR2;I	15	0.01077128	0.586319253
-0.1303874	cg25666233	ISLR2;ISLR2;I	15	0.01402609	0.691289622
-0.1058269	cg24488317	ISM1	20	0.00420542	0.62022027
-0.1053854	cg05849772	ITFG3	16	0.00583145	0.734976343

-0.1047744	cg23721083	ITGA11	15	0.02427	0.709363734
-0.1680345	cg09828265	ITGA9	3	0.00678473	0.43643443
-0.1263769	cg02225720	ITGAE	17	0.00051131	0.490973821
-0.1401451	cg14176836	ITGAL;ITGAL	16	0.01676982	0.402561266
-0.2113597	cg26233914	ITGAX;ITGAX	16	0.00116182	0.27222286
-0.1505495	cg14112356	ITGB2	21	0.01673905	0.401184046
-0.1060189	cg22699620	ITGB2;ITGB2	21	0.00878219	0.299401964
-0.1430601	cg10753610	ITGB3	17	0.00056387	0.505401367
-0.1256393	cg00871980	ITGB5	3	0.00800321	0.481263386
-0.1464512	cg00171092	ITGB5	3	0.00637314	0.618383826
-0.1271192	cg26689077	ITGB7	12	0.02195417	0.340903881
-0.2015677	cg11838152	ITGBL1	13	0.00400545	0.812657682
-0.1461589	cg18404041	ITIH1;ITIH1;IT	3	0.00045865	0.299768686
-0.1037081	cg24628310	ITIH1;ITIH1;IT	3	0.01082569	0.558858775
-0.1030847	cg16898425	ITIH1;ITIH1;IT	3	0.00465827	0.70705651
-0.1515324	cg05480883	ITIH5;ITIH5;IT	10	0.00229179	0.228687217
-0.1295678	cg01546430	ITK	5	0.02002819	0.766945862
-0.1116013	cg08972954	ITK	5	0.01916689	0.576575253
-0.2060306	cg07177437	ITLN1	1	0.00377185	0.718174026
-0.1838439	cg10094191	ITLN1	1	0.00117768	0.69036159
-0.1584304	cg20018344	ITPA;ITPA	20	0.00486169	0.649277013
-0.1166843	cg14181956	ITPK1;ITPK1;IT	14	0.02277408	0.769886935
-0.1163721	cg22999830	ITPK1;ITPK1;IT	14	0.02755771	0.848182564
-0.1349424	cg20272979	ITPKA	15	0.00668862	0.507165972
-0.1187473	cg02799411	ITPR1;ITPR1;IT	3	0.02347421	0.77912467
-0.2156309	cg05795849	ITPR1;ITPR1;IT	3	0.00251137	0.365687385
-0.1205091	cg11600734	ITPR1;ITPR1;IT	3	0.00669027	0.759570348
-0.1193942	cg19640166	ITPRIP	10	0.00117917	0.817849034
-0.1721166	cg25552843	ITPRIP	10	0.00089798	0.752874028
-0.1707259	cg16636756	ITPRIP	10	0.00647679	0.752983084
-0.1586716	cg24199006	ITPRIP	10	0.00492179	0.524346949
-0.1424145	cg22888181	ITPRIP	10	0.00106344	0.663263319
-0.1163288	cg25082710	IVL	1	0.04492746	0.597075364
-0.1042504	cg19893664	JAG2;JAG2	14	0.0038521	0.439876406
-0.1180908	cg02159913	JAG2;JAG2	14	0.00030589	0.301423124
-0.1083823	cg05335315	JAG2;JAG2	14	0.00021379	0.415036148
-0.2190425	cg13250024	JAKMIP3	10	0.03642109	0.8692754
-0.1487466	cg12230983	JARID2	6	0.01764611	0.842528378
-0.16109	cg13623749	JARID2	6	0.02094555	0.684149395
-0.1177837	cg26797722	JARID2	6	0.00128696	0.748665516
-0.2675386	cg01675238	JMJD7-PLA2C	15	0.00343486	0.351592127
-0.2178194	cg22912331	JPH4;JPH4	14	0.00557266	0.34652301
-0.1901893	cg10464130	KALRN;KALRI	3	0.0319814	0.503533503
-0.1522816	cg12024811	KALRN;KALRI	3	0.02655447	0.734889112
-0.1395414	cg25250013	KANK2;KANK	19	0.00441943	0.443713772
-0.1291764	cg20916427	KATNAL2	18	0.02276887	0.741838685

-0.1060239	cg09147140	KBTBD11	8	0.00958189	0.871846345
-0.1244644	cg19606153	KBTBD5	3	0.00501388	0.442673033
-0.1183263	cg13925011	KCNA3	1	0.01345633	0.668139202
-0.1089819	cg03553947	KCNA4	11	0.012994	0.717103596
-0.1030049	cg04063166	KCNA4	11	0.0009825	0.595045322
-0.1277147	cg26961166	KCNB2	8	0.02655306	0.350760257
-0.1087034	cg00114478	KCNB2	8	0.02521778	0.318647319
-0.1062738	cg13474918	KCND2;KCNC	7	0.00427135	0.649905018
-0.1155339	cg11685391	KCNIP2;KCNIP4	10	0.02097402	0.664045826
-0.1045421	cg06773116	KCNIP4;KCNIP2	4	0.04011232	0.716888676
-0.1564289	cg25508319	KCNJ5	11	0.02386312	0.741533989
-0.1210537	cg16739441	KCNJ8	12	0.00333804	0.337968751
-0.1835452	cg02611419	KCNK16;KCNK17	6	0.02502568	0.796887366
-0.1403415	cg06347083	KCNK17;KCNK16	6	0.00695924	0.790038261
-0.1834245	cg13075951	KCNK17;KCNK16	6	0.04923001	0.826461003
-0.1489546	cg07699454	KCNK17;KCNK16	6	0.00848655	0.787568189
-0.1279254	cg01627597	KCNK3	2	0.00145776	0.46095095
-0.2147953	cg18534312	KCNK9	8	0.00572101	0.741165327
-0.1662755	cg25164237	KCNK9	8	0.00383893	0.660997984
-0.1859515	cg23107301	KCNMA1;KCNMA2	10	0.03661741	0.683022902
-0.1802517	cg26615853	KCNMA1;KCNMA2	10	0.00516389	0.889613772
-0.1717306	cg22646937	KCNMB1;KCNMB2	5	0.00123428	0.492594312
-0.1428605	cg05343739	KCNN3;KCNN4	1	0.00524465	0.331823302
-0.1883998	cg25201998	KCNN3;KCNN4	1	0.02169124	0.821939159
-0.1488036	cg08895013	KCNQ1	11	0.01433785	0.676683786
-0.1483445	cg18729298	KCNQ1;KCNC	11	0.00357665	0.487621179
-0.1467334	cg02097203	KCNQ1;KCNC	11	0.00502965	0.360575233
-0.1650364	cg05623526	KCNQ1;KCNC	11	0.00380489	0.474902058
-0.1227816	cg02258534	KCNQ1;KCNC	11	0.02397062	0.80073238
-0.1233105	cg07824422	KCNQ1;KCNC	11	0.00016629	0.571554595
-0.1053208	cg27119222	KCNQ1;KCNC	11	0.00989552	0.564461283
-0.1475175	cg05656180	KCNQ1DN	11	0.00342573	0.34223952
-0.1136119	cg22675922	KCNQ1DN	11	0.00975701	0.703311508
-0.2085574	cg07439128	KCNQ1DN	11	0.00434916	0.674704979
-0.1133916	cg01923099	KCNQ1DN	11	0.0021827	0.547672851
-0.1725978	cg16083838	KCNQ1DN	11	0.00632225	0.756935477
-0.1417729	cg15746253	KCNQ3	8	0.00266459	0.790240308
-0.1087873	cg03816707	KCNS1	20	0.0001501	0.673141707
-0.1013009	cg16856453	KCNS1	20	0.0017171	0.427879436
-0.1540194	cg13730736	KCNT1	9	0.00089898	0.469037769
-0.1531406	cg24193140	KCTD16	5	0.02414346	0.685745444
-0.1295158	cg10215414	KCTD19;LRRK1	16	0.00150509	0.362236
-0.1529246	cg09185884	KCTD2	17	0.02563497	0.307480998
-0.185763	cg08055663	KCTD5	16	0.00686775	0.819201882
-0.2598189	cg00268476	KCTD5	16	0.04981821	0.674937608
-0.206419	cg02544836	KCTD5	16	0.01100831	0.490904856

-0.1734942	cg09175485	KDM2A;KDM	11	0.01035796	0.493743845
-0.1729149	cg10958452	KDM4A	1	0.04711452	0.759678089
-0.1635838	cg15621731	KDM4B	19	0.02482943	0.831206551
-0.1622655	cg17416338	KDM4B	19	0.00866741	0.678403999
-0.1474072	cg14498745	KEL	7	0.02946953	0.707751247
-0.143227	cg21031917	KHDRBS2	6	0.01022111	0.464500584
-0.1195753	cg24471894	KIAA0020	9	0.00105011	0.389961972
-0.1901166	cg03358636	KIAA0226	3	0.0249575	0.794414181
-0.126288	cg16051718	KIAA0232;KI/	4	0.03692052	0.724016638
-0.1879439	cg02315926	KIAA0247	14	0.01786172	0.69259637
-0.1540574	cg16744996	KIAA0247	14	0.01974579	0.758426455
-0.1019234	cg01557792	KIAA0247	14	0.01380774	0.675685911
-0.2579916	cg16903782	KIAA0748	12	0.00367153	0.628064901
-0.2219788	cg16328023	KIAA0895;KI/	7	0.00076717	0.391842506
-0.1877133	cg02927252	KIAA1026;KI/	1	0.00071044	0.817217554
-0.1307458	cg24630957	KIAA1033	12	0.04747897	0.633437366
-0.1218162	cg16689761	KIAA1147	7	0.03775287	0.782544861
-0.1643725	cg03844372	KIAA1217	10	0.03226006	0.843573294
-0.1234993	cg08883078	KIAA1310;KI/	2	0.04911399	0.560522088
-0.2254483	cg21282282	KIAA1324	1	0.00191739	0.533774336
-0.1883395	cg18587499	KIAA1409	14	0.00472476	0.632361751
-0.1485725	cg01769553	KIAA1409	14	0.00804144	0.380361683
-0.1474897	cg01827195	KIAA1486	2	0.01572505	0.360442403
-0.1448844	cg16903068	KIAA1549;KI/	7	0.04288426	0.816655408
-0.1413868	cg22417613	KIAA1549;KI/	7	0.02839569	0.806581515
-0.1223772	cg03968911	KIAA1598;KI/	10	0.00380514	0.340470458
-0.1214388	cg02687592	KIAA1644	22	0.03298004	0.797293444
-0.1179407	cg11165619	KIAA1644	22	0.04424279	0.71775789
-0.116762	cg06584224	KIAA1671	22	0.03788517	0.539972802
-0.1150193	cg10759286	KIAA1751	1	0.01004994	0.461127348
-0.1128902	cg12247101	KIAA1949;KI/	6	0.01547955	0.704597541
-0.1322238	cg25659902	KIAA1949;KI/	6	0.03208633	0.251123662
-0.1121629	cg25980484	KIAA1949;KI/	6	0.00661907	0.333794082
-0.1173633	cg01413582	KIAA1949;KI/	6	0.00425867	0.27244851
-0.1159526	cg24967096	KIAA1949;KI/	6	0.00268307	0.274046516
-0.1355329	cg03052182	KIAA1949;KI/	6	0.0039877	0.348371279
-0.1477119	cg08420066	KIAA1949;KI/	6	0.00394188	0.383858621
-0.1389789	cg08887400	KIAA1949;KI/	6	0.02065098	0.355767761
-0.1193675	cg15768443	KIAA1949;KI/	6	0.01516078	0.504199148
-0.1183226	cg00278359	KIAA1949;KI/	6	0.01623729	0.354799456
-0.1379554	cg03953626	KIAA1949;KI/	6	0.04335972	0.446561046
-0.1040098	cg11554650	KIAA1949;KI/	6	0.01885831	0.663549581
-0.1206173	cg20690667	KIAA1949;KI/	6	0.00688952	0.396082712
-0.1042363	cg18586886	KIAA1949;KI/	6	0.01774806	0.481611968
-0.1861334	cg18427856	KIAA1949;KI/	6	0.01064088	0.468014975
-0.1588812	cg12105190	KIAA1949;KI/	6	0.00187174	0.573136604

-0.1234749	cg00010853	KIAA1949;KI/	6	0.00078633	0.627977159
-0.1115759	cg12036303	KIAA1949;KI/	6	0.00254751	0.60871668
-0.1347753	cg07603449	KIAA2013	1	0.0435701	0.624635947
-0.1708216	cg12431299	KIF1A	2	0.00032948	0.326707535
-0.1579956	cg11802797	KIF1B	1	0.00070545	0.587247626
-0.1068629	cg26848071	KIF1C	17	0.00921083	0.757462593
-0.2273819	cg26838949	KIF21B	1	0.03367695	0.823785798
-0.1206274	cg21477075	KIF25;KIF25	6	0.00419684	0.864196391
-0.2111355	cg15358723	KIF26B	1	0.00565723	0.810266181
-0.110376	cg18234115	KIF26B	1	0.01954201	0.756039202
-0.1359507	cg17226602	KIF4B	5	0.0007702	0.400827903
-0.1461608	cg21303039	KIF5C	2	0.02038767	0.632003956
-0.1481408	cg09985560	KIFC1	6	0.03115363	0.704063146
-0.2155422	cg26819611	KIFC3;KIFC3	16	0.0013731	0.444617118
-0.1337279	cg16861598	KIR2DL3;KIR2	19	0.00068458	0.518310761
-0.1934573	cg07233127	KIR3DL1	19	0.03548802	0.419516329
-0.1883091	cg26908505	KIRREL3;KIRF	11	0.02902963	0.764710417
-0.1845415	cg22066894	KIRREL3;KIRF	11	0.04144362	0.759101912
-0.1232276	cg08530008	KISS1	1	0.00798031	0.913490709
-0.2410331	cg01819568	KIT;KIT	4	0.01163152	0.747643887
-0.2014644	cg01308409	KL	13	0.00126315	0.739422095
-0.184602	cg12162530	KL	13	0.00055248	0.695439798
-0.1836288	cg15322516	KLC1;KLC1;KI	14	0.03102714	0.51677874
-0.1623107	cg06724409	KLF6;KLF6;KL	10	0.01467548	0.773070893
-0.1748092	cg21777553	KLF7	2	0.00114316	0.354303902
-0.1004805	cg07116163	KLHL23	2	0.03875753	0.704216659
-0.2577205	cg22342100	KLHL38	8	0.02928418	0.307945756
-0.186189	cg20425130	KLHL6	3	0.03959365	0.844110839
-0.1845723	cg02844611	KLHL6	3	0.0158229	0.740232575
-0.1787273	cg02939781	KLHL6	3	0.0019913	0.858642228
-0.1513749	cg09606470	KLHL6	3	0.00303968	0.586799594
-0.120668	cg20659064	KLK10	19	0.00295237	0.369141948
-0.1003656	cg08375658	KLK12;KLK12	19	0.00355065	0.328559322
-0.1170881	cg07798605	KLK9	19	0.0398662	0.559547587
-0.1086797	cg01408476	KLKBL4	16	0.04291077	0.552645609
-0.1055774	cg14913610	KLRG1	12	0.03825075	0.856970622
-0.1213349	cg15368872	KLRK1	12	0.01006879	0.497899254
-0.1046804	cg07787634	KMO	1	0.03013343	0.873946285
-0.1918815	cg27277403	KMO	1	0.0002944	0.293273573
-0.1734872	cg04880751	KMO	1	0.00276046	0.65988883
-0.1522722	cg11150901	KMO	1	0.00028678	0.518789736
-0.1468436	cg20378687	KPNA4	3	0.0154666	0.622018208
-0.1409284	cg09687864	KPRP	1	0.02044328	0.865180163
-0.1343649	cg26967305	KREMEN1	22	0.00648924	0.678412858
-0.1065533	cg03348792	KRT1	12	0.01938891	0.731997397
-0.1735234	cg13594463	KRT1	12	0.03441933	0.574198183

-0.1871845	cg04588380	KRT2	12	0.04450132	0.573502009
-0.1283863	cg11051139	KRT80;KRT8C	12	0.0107281	0.769620934
-0.1047882	cg07925587	KRT80;KRT8C	12	0.0037861	0.608103835
-0.140898	cg14588606	KRTAP1-5	17	0.01392424	0.808683974
-0.1552804	cg23878404	KRTAP1-5	17	0.00900206	0.58177986
-0.259758	cg17903229	KRTAP10-1;C	21	0.00206053	0.586596927
-0.1506945	cg02493771	KRTAP13-2	21	0.00500345	0.426982835
-0.1311893	cg00275828	KRTAP2-4	17	0.01103105	0.772171476
-0.1280186	cg09129976	KRTAP3-1;KR	17	0.00560906	0.857003792
-0.1017531	cg23058745	KRTAP4-5;KR	17	0.00084169	0.789273101
-0.1351076	cg02845204	KRTAP5-9	11	0.01437773	0.441439608
-0.155284	cg25717032	KRTDAP	19	0.00582777	0.404864209
-0.1599861	cg14313576	KY	3	0.00410048	0.795966408
-0.153301	cg11146821	L1TD1;L1TD1	1	0.00827226	0.652824256
-0.1344222	cg23718736	L3MBTL4	18	0.01595419	0.599344286
-0.1310089	cg22545168	LAIR1;LAIR1	19	0.02839244	0.524293462
-0.1258589	cg10132694	LAIR1;LAIR1	19	0.03793988	0.709508278
-0.1244957	cg21878746	LAIR1;LAIR1	19	0.00965942	0.58341829
-0.1084622	cg24147838	LAIR1;LAIR1;L	19	0.00771393	0.743620178
-0.2173305	cg06238491	LAIR1;LAIR1;L	19	0.04568638	0.629874847
-0.2211475	cg05836043	LAMA1	18	0.03461103	0.884400249
-0.1077908	cg19738980	LAMA1	18	0.03899856	0.894622588
-0.123186	cg15600176	LAMB1	7	0.01617665	0.825849723
-0.1516667	cg03041510	LAMB1	7	0.00051123	0.664611648
-0.1403048	cg07168232	LAMB3;LAMI	1	0.00319343	0.453795508
-0.151715	cg12689670	LAMC1	1	0.0037901	0.78654222
-0.1119298	cg13766560	LAMC3	9	0.01611439	0.748197324
-0.1736817	cg18030943	LAMP3	3	0.00439033	0.598415611
-0.153799	cg17418085	LAPTM5	1	0.01983599	0.711611453
-0.114264	cg25948445	LARP1;LARP1	5	0.03924715	0.360889676
-0.1132844	cg04760493	LARP1B;LARF	4	0.01787629	0.501913248
-0.1054058	cg21895387	LASS3	15	0.03817872	0.479930139
-0.1125453	cg00607627	LAT;LAT;LAT;	16	0.04554006	0.747409841
-0.1308708	cg03134947	LAT;LAT;LAT;	16	0.04592742	0.505723113
-0.1045773	cg23797100	LAT;LAT;LAT;	16	0.00798031	0.756434035
-0.1398997	cg22493372	LAT2;LAT2;L/	7	0.00363938	0.537387833
-0.1119822	cg03801871	LBH	2	0.02324384	0.436765625
-0.2509947	cg18793512	LBH	2	0.00374646	0.821692301
-0.1969126	cg13844662	LCE2C	1	3.89E-05	0.276125797
-0.1374464	cg10991454	LCLAT1;LCLA	2	0.00577668	0.751274916
-0.1019503	cg23469878	LCN6	9	0.00704032	0.736831755
-0.1655258	cg17771150	LCP1	13	0.03799082	0.844868293
-0.1285445	cg25827710	LCP1	13	4.90E-05	0.288426423
-0.1056846	cg23205648	LCP1	13	0.002072	0.564017054
-0.1022994	cg08670465	LCP2	5	0.00183919	0.5439696
-0.1167039	cg11528914	LCP2;LCP2	5	0.01946055	0.802308537

-0.1119645	cg09672233	LCP2;LCP2	5	0.00864767	0.66697008
-0.1027182	cg27450010	LDB2;LDB2	4	0.02401304	0.805961963
-0.1067241	cg24813857	LDB2;LDB2	4	0.00096138	0.813889803
-0.1483685	cg08262002	LDB2;LDB2	4	0.00415102	0.559294498
-0.1523741	cg26740318	LDHAL6A;LDI	11	0.04130253	0.430909418
-0.1179527	cg14259717	LDHC;LDHC	11	0.01498874	0.35705085
-0.1107381	cg11821245	LDHC;LDHC	11	0.00508695	0.4997396
-0.1353538	cg06180729	LDLRAD3	11	0.00133909	0.86097201
-0.1164865	cg18140889	LELP1	1	0.0004367	0.509900937
-0.1717859	cg01416657	LEMD1	1	0.01706443	0.48088548
-0.1172143	cg15466952	LEPR;LEPR;LE	1	0.00903066	0.543550327
-0.1062417	cg16004377	LGALS12;LGA	11	0.00878496	0.797304298
-0.2158282	cg13439241	LGALS12;LGA	11	0.00110771	0.342070693
-0.1059918	cg12792363	LGALS12;LGA	11	0.00914862	0.807358066
-0.1173433	cg27376024	LGALS12;LGA	11	0.00036897	0.249943286
-0.1041518	cg11183156	LGALS12;LGA	11	0.00024445	0.321416259
-0.1756922	cg04927537	LGALS3BP	17	0.00645655	0.697179269
-0.1539816	cg11202345	LGALS3BP;LC	17	0.007777	0.379543543
-0.1625897	cg14870271	LGALS3BP;LC	17	0.00503565	0.640342152
-0.184024	cg23290146	LGALS9;LGAL	17	0.02382222	0.563547961
-0.1466694	cg21157094	LGALS9;LGAL	17	0.00686775	0.483501645
-0.1388523	cg27625456	LGALS9;LGAL	17	0.02134655	0.644090098
-0.129929	cg24387542	LGALS9B	17	0.00362267	0.432533545
-0.115536	cg13597417	LGALS9C	17	0.00402191	0.443946879
-0.1509899	cg02300379	LGI1	10	0.00063983	0.454301041
-0.1247936	cg04468092	LGI2	4	0.00398277	0.884651882
-0.1091266	cg06767339	LGI3	8	0.03996044	0.667288804
-0.170992	cg22464865	LGI4	19	0.00129714	0.695869944
-0.1651346	cg11683364	LGR6;LGR6;L	1	0.04498105	0.601314269
-0.1431177	cg10337540	LHFP	13	0.0463456	0.391795627
-0.1031971	cg26658897	LHFPL2	5	0.01209183	0.743489159
-0.2385566	cg16326367	LHFPL2	5	0.02036808	0.674606755
-0.1746158	cg04159215	LHPP;LHPP	10	0.0295908	0.738387022
-0.1936523	cg13473120	LHX2	9	0.00156808	0.314739187
-0.1806791	cg14608020	LHX2	9	0.00155684	0.388575103
-0.1714107	cg20939662	LHX2	9	0.03499421	0.828176285
-0.1366921	cg01298678	LHX2	9	0.03268605	0.752845022
-0.1170218	cg14305801	LHX2	9	0.0091523	0.67176391
-0.124599	cg06626184	LHX2	9	0.00049503	0.698954344
-0.1057193	cg06826341	LHX4	1	0.04426878	0.319663063
-0.1249384	cg13572892	LHX6;LHX6	9	0.02063083	0.421928949
-0.1956994	cg05128414	LHX9	1	0.00036466	0.31645789
-0.1841549	cg17753347	LHX9	1	0.04815227	0.85038104
-0.1338293	cg16353006	LHX9	1	0.01785967	0.413358453
-0.1125629	cg08610862	LHX9;LHX9	1	0.03166664	0.586530079
-0.1078662	cg08463788	LHX9;LHX9	1	0.01878775	0.563068963

-0.1348566	cg05920909	LHX9;LHX9	1	0.00731227	0.584355161
-0.1568311	cg25384595	LILRA1;LILRA	19	0.00814006	0.658655373
-0.1476153	cg19486673	LILRA2;LILRA	19	0.01334893	0.591720088
-0.1246399	cg19216475	LILRA2;LILRA	19	0.00019359	0.359076077
-0.1189698	cg07280593	LILRA2;LILRA	19	0.0265974	0.706927323
-0.2130069	cg05365532	LILRB1	19	0.00240163	0.5405895
-0.1209547	cg26649140	LILRB1	19	0.0001566	0.319352312
-0.1771603	cg26778001	LILRB1;LILRB1	19	0.00021223	0.256869493
-0.1286482	cg02340056	LILRB1;LILRB1	19	0.02306408	0.732062681
-0.1596397	cg12161905	LILRB4;LILRB4	19	0.01453997	0.674450694
-0.110778	cg03372852	LILRP2	19	0.00041619	0.451370898
-0.2259357	cg16283183	LIMD1	3	0.01634085	0.818522718
-0.1025527	cg25437886	LIMD1	3	0.01403025	0.592723831
-0.1092283	cg05310309	LIMS1	2	0.02839025	0.744954348
-0.1457011	cg00585790	LIMS1;LIMS1	2	0.02290981	0.86753305
-0.1394243	cg03555157	LIMS2;LIMS2	2	0.02006598	0.40945362
-0.1210827	cg04947052	LIMS2;LIMS2	2	0.04892728	0.806381076
-0.1082396	cg01761729	LIMS2;LIMS2	2	0.00341966	0.422402041
-0.2161723	cg17040753	LIMS3-LOC44	2	0.02131471	0.554840083
-0.1272585	cg17728974	LIN28B	6	0.0006477	0.440804506
-0.1238187	cg09797463	LIPA;LIPA	10	0.03952168	0.760527994
-0.1231851	cg12581682	LIPC	15	0.01281542	0.822656646
-0.1419796	cg25907743	LIPN	10	0.00841116	0.802731198
-0.1242844	cg08767044	LITAF;LITAF;L	16	0.00152819	0.76520783
-0.1206191	cg10420838	LIX1	5	0.01723745	0.841286388
-0.1141256	cg26083045	LMCD1	3	0.04225746	0.52059521
-0.1093737	cg17453456	LMNA;LMNA	1	0.00019465	0.221550415
-0.1517119	cg27182012	LMNA;LMNA	1	0.00067935	0.852276143
-0.1611852	cg09554856	LMO2	11	0.02573304	0.467153061
-0.1377934	cg08586426	LMO2	11	0.00168146	0.735792284
-0.1250769	cg12004276	LMO2;LMO2	11	0.01883396	0.644010354
-0.131426	cg12695685	LMO2;LMO2	11	0.0075389	0.702474515
-0.1247912	cg00558702	LMO3;LMO3	12	0.00156368	0.512918704
-0.1308308	cg17633576	LMO3;LMO3	12	0.00309603	0.583408821
-0.1442691	cg26400954	LMO7	13	0.0319744	0.628558936
-0.1091542	cg04757411	LMO7	13	0.00448017	0.832156058
-0.1527055	cg18231184	LMTK2	7	0.03117759	0.801362168
-0.1756228	cg18833788	LMTK3	19	0.00988188	0.514450861
-0.2363547	cg13530999	LMX1B	9	0.02117247	0.545885183
-0.2276667	cg15689835	LMX1B	9	0.03031309	0.313728006
-0.1196621	cg14473662	LMX1B	9	0.04566555	0.608660603
-0.1104085	cg13466694	LMX1B	9	0.0380731	0.844946869
-0.1547399	cg13600622	LMX1B	9	0.01967415	0.481409436
-0.105543	cg14325930	LMX1B	9	0.01347545	0.738904765
-0.1320166	cg24546446	LNX1	4	0.01360788	0.414534109
-0.2029013	cg18560915	LNX1	4	0.01487829	0.719378394

-0.108531	cg19453136	LOC1001285	12	0.01933629	0.517780993
-0.1445429	cg00250123	LOC1001300	4	0.01117212	0.417922856
-0.1359586	cg11372934	LOC1001308	4	0.0089966	0.779948184
-0.1117806	cg23127323	LOC1001308	4	0.00546957	0.432729984
-0.1196538	cg23543318	LOC1001308	4	0.01999081	0.819383646
-0.1247923	cg18120259	LOC1001323	6	0.02178138	0.857062776
-0.1140903	cg08859309	LOC1001889	13	0.00838658	0.80948539
-0.1083233	cg20874785	LOC1001895	2	0.00122855	0.619707016
-0.2881184	cg05709578	LOC1001923	8	0.03634141	0.707152675
-0.1915993	cg21314603	LOC1002718	2	0.01978616	0.681709815
-0.1596884	cg15858970	LOC1002877	6	0.02920602	0.791355534
-0.1479993	cg00230120	LOC1002926	12	0.0060865	0.853135148
-0.1407998	cg02347881	LOC144776	13	0.01019385	0.839737783
-0.1294103	cg20034372	LOC145845	15	0.01960128	0.371266207
-0.1218181	cg26727768	LOC145845	15	0.02703979	0.621714155
-0.1150744	cg14891209	LOC145845	15	0.00020134	0.282173561
-0.2189231	cg00213301	LOC145845	15	0.02757362	0.625444425
-0.2178276	cg14475966	LOC145845	15	0.00026132	0.764328578
-0.1787349	cg11965311	LOC145845	15	0.02322024	0.806821834
-0.1759233	cg12309653	LOC145845	15	0.0016427	0.486769711
-0.151687	cg24956533	LOC145845	15	0.02778389	0.800026815
-0.1030074	cg22444584	LOC145845	15	0.00823275	0.625967608
-0.1022305	cg06451900	LOC145845	15	0.00628321	0.699762296
-0.1703629	cg00216138	LOC145845	15	0.00011921	0.565322482
-0.1692972	cg13930544	LOC148824;C	1	0.00486142	0.446421748
-0.1158958	cg12963656	LOC152225	3	0.00735398	0.800341294
-0.1830834	cg05429448	LOC152225	3	0.00262805	0.808399408
-0.1163856	cg04233669	LOC153328	5	0.00127001	0.65945007
-0.1916461	cg15046507	LOC221122	11	6.37E-05	0.236252455
-0.1882409	cg22093306	LOC254559	15	0.00460444	0.468916995
-0.1170572	cg15129183	LOC257358	5	0.00354684	0.784164067
-0.1322461	cg09802818	LOC283404	12	0.01399362	0.642951463
-0.1642819	cg22108646	LOC283999	17	0.03399496	0.851502252
-0.1512213	cg20653009	LOC284100	17	0.01196252	0.481586466
-0.1728748	cg00220661	LOC284276	18	0.00283463	0.320701289
-0.2531234	cg12119625	LOC284379	19	0.02457508	0.714256149
-0.1718342	cg17907200	LOC284661	1	0.0091155	0.779260278
-0.1641074	cg01723706	LOC285419	4	0.00592233	0.566644771
-0.1601385	cg15400629	LOC285548	4	0.0232347	0.615912419
-0.1446719	cg23987134	LOC285696	5	0.023585	0.864934287
-0.1311729	cg23606396	LOC285830;L	6	0.04686158	0.835224414
-0.128902	cg12035144	LOC285830;L	6	0.01056196	0.397696465
-0.1161094	cg26701510	LOC285830;L	6	0.00756769	0.659112961
-0.1092095	cg01751584	LOC286359	9	0.01718755	0.781994373
-0.1013494	cg02357336	LOC339524	1	0.0082955	0.489769983
-0.1876745	cg07068655	LOC340357	8	0.00071774	0.297126481

-0.1749561	cg19047868	LOC404266;t	17	0.0359879	0.586700789
-0.158244	cg00711072	LOC404266;t	17	0.03181354	0.717036885
-0.1637376	cg12744859	LOC404266;t	17	0.04235091	0.578203715
-0.1624012	cg21242356	LOC404266;L	17	0.0012049	0.400259819
-0.1450872	cg17062109	LOC404266;L	17	0.03678662	0.35370617
-0.1274242	cg22583148	LOC404266;L	17	0.04080219	0.481421128
-0.1101449	cg15908709	LOC404266;L	17	0.00673317	0.426835785
-0.1270854	cg17528189	LOC440040	11	0.01330568	0.292258227
-0.1468727	cg21350349	LOC440839;F	2	0.00581964	0.365625578
-0.1240933	cg01821850	LOC440910	2	0.00230751	0.656937483
-0.1001081	cg05146756	LOC554202	9	0.00332866	0.345528053
-0.1539569	cg10930289	LOC645323	5	0.03278168	0.884080823
-0.1316811	cg08287551	LOC645323	5	0.00381517	0.535829121
-0.1237283	cg01878406	LOC646627	1	0.00126085	0.33147585
-0.1364852	cg23590187	LOC646762	7	0.01343423	0.375432239
-0.1254861	cg08682625	LOC727677	8	0.03008269	0.789004138
-0.1116607	cg16621633	LOC728276	16	0.04694227	0.585561044
-0.1612508	cg09048205	LOC728613	5	0.01877434	0.767375186
-0.1155856	cg20414364	LOC728613	5	0.00633663	0.692406511
-0.1995169	cg05825085	LOC732275	16	0.0450465	0.776820628
-0.1243059	cg23345292	LOXHD1;LOX	18	0.00779371	0.569487937
-0.1173606	cg25883083	LPAR5;LPAR5	12	0.00475109	0.417731299
-0.1389501	cg05661533	LPCAT1	5	0.02524004	0.65920522
-0.1193918	cg16225703	LPHN3	4	0.0003561	0.779496521
-0.124041	cg12646794	LPHN3	4	0.00178395	0.497414517
-0.1441423	cg12297546	LPP;LPP	3	0.00393952	0.842728274
-0.1251102	cg00902153	LPP;LPP;LPP	3	0.00814392	0.369042717
-0.1228582	cg04773529	LPP;LPP;LPP	3	0.00024258	0.4140165
-0.1127022	cg02011953	LPPR1	9	0.00202105	0.557149389
-0.1058803	cg02044895	LPXN;LPXN;L	11	0.04076783	0.270634112
-0.1085681	cg20294319	LRCH1;LRCH1	13	0.00693563	0.468103208
-0.1270381	cg17272620	LRG1	19	0.04722795	0.748875912
-0.1533263	cg18005280	LRIG1	3	0.04940705	0.679325519
-0.1225891	cg24112628	LRP11	6	0.02040546	0.841893201
-0.2260417	cg03252605	LRP1B	2	0.00267808	0.410763915
-0.1830874	cg16671674	LRP1B	2	0.0018887	0.660234483
-0.1612149	cg15664504	LRP1B	2	0.0296904	0.672954668
-0.137276	cg23238677	LRP2	2	0.0059395	0.529762884
-0.130317	cg08356705	LRP5	11	0.01357102	0.487450362
-0.1104115	cg24380380	LRP5	11	0.01789941	0.815282784
-0.1053165	cg03678566	LRP5	11	0.01711042	0.774590847
-0.2384229	cg26838900	LRRC15;LRRC	3	0.00201649	0.79656132
-0.1176426	cg05076755	LRRC32;LRRC	11	0.00814686	0.685959586
-0.1023139	cg04052606	LRRC43;LRRC	12	0.01773726	0.73261765
-0.1382609	cg19497511	LRRFIP1;LRRF	2	0.01807647	0.434921508
-0.1263347	cg10984625	LRRFIP1;LRRF	2	0.03164256	0.457383173

-0.1914052	cg09037813	LRRFIP1;LRRF	2	0.03844434	0.615481685
-0.1749312	cg15819128	LRRFIP1;LRRF	2	0.01936809	0.430124312
-0.1519626	cg11143485	LRRK1	15	0.02280539	0.708221586
-0.1206032	cg11252801	LRRTM4;LRR	2	0.00269227	0.520779129
-0.1125294	cg01607232	LSM2	6	0.00213103	0.27746434
-0.2677431	cg12283393	LSP1	11	0.0031429	0.751186615
-0.1760495	cg16795830	LST1;LST1;LS	6	0.00387406	0.762536668
-0.1533929	cg19271190	LST1;LST1;LS	6	0.01111155	0.588389975
-0.1220837	cg27616007	LST1;LST1;LS	6	0.01138656	0.654392966
-0.2762294	cg09531959	LST1;LST1;LS	6	0.0051635	0.444402769
-0.2538049	cg09761080	LST1;LST1;LS	6	0.00536273	0.566965353
-0.1153993	cg14340889	LTBP2	14	0.01408375	0.556418856
-0.1125478	cg14986500	LTBP2	14	0.00594313	0.71305856
-0.1954338	cg03491087	LTBP2	14	0.00822841	0.618042374
-0.1188589	cg03928874	LY86	6	0.0141442	0.661122254
-0.1708737	cg04222933	LY9	1	0.0260365	0.543405814
-0.1101299	cg10316357	LY9;LY9	1	0.0008783	0.268692789
-0.1330682	cg18865207	LY9;LY9	1	0.00047393	0.61877193
-0.2448261	cg23732024	LY96	8	0.00253545	0.863754513
-0.1537472	cg13213009	LY96	8	0.01546685	0.620262595
-0.1291972	cg08806632	LYL1	19	0.00823369	0.604153819
-0.1283014	cg03659680	LYN;LYN	8	0.01756936	0.831197289
-0.1491876	cg17806401	LYN;LYN	8	0.00277312	0.45144138
-0.250692	cg05095252	LYPD6	2	0.032524	0.676310414
-0.114718	cg20360286	LYPD6	2	0.02211313	0.586145103
-0.1763039	cg08224563	LYRM1;LYRM	16	0.04882133	0.837927049
-0.1317549	cg21374754	LYZL4	3	0.00434106	0.801479355
-0.1301842	cg22367631	MACF1	1	0.00061596	0.552061154
-0.1138791	cg26864766	MACF1;MAC	1	0.03943126	0.659726488
-0.1103702	cg25786640	MAD1L1;MA	7	0.03516667	0.888351801
-0.1682613	cg17309904	MAD1L1;MA	7	0.03028907	0.580154373
-0.1659507	cg13798585	MAD1L1;MA	7	0.02783492	0.824587642
-0.1151811	cg00502509	MAD1L1;MA	7	0.01349357	0.869396046
-0.1580459	cg27109748	MAD1L1;MA	7	0.02366962	0.749978473
-0.1107253	cg21728101	MAD1L1;MA	7	0.00190053	0.718393555
-0.1738781	cg23968893	MAEL	1	0.01732491	0.801207394
-0.1635676	cg01403010	MAFF;MAFF;	22	0.01988813	0.75273449
-0.1421073	cg01406317	Magmas	16	0.01026096	0.774084723
-0.1345584	cg20209290	MAK;MAK	6	0.02386248	0.871736112
-0.1216395	cg14649449	MAMDC2	9	0.00207283	0.578481158
-0.1036688	cg01093786	MAML2	11	0.00019707	0.24744146
-0.2204662	cg15521790	MAML2	11	0.04852209	0.374584927
-0.2101403	cg03428047	MAML3	4	0.00063989	0.278644011
-0.2091149	cg03597159	MAML3	4	0.01478977	0.616490493
-0.2030807	cg23206160	MAML3	4	0.00053308	0.363291011
-0.1613087	cg14025021	MAP1A	15	0.00854485	0.270419336

-0.1530217	cg08880153	MAP1A	15	0.01169057	0.729404332
-0.1512433	cg15076869	MAP2K2	19	0.01842637	0.530082133
-0.1117985	cg14573876	MAP2K2	19	0.00628502	0.603910711
-0.1032636	cg00146864	MAP3K14	17	0.01331285	0.58158176
-0.2111942	cg19982668	MAP3K3;MA	17	0.0052028	0.794572412
-0.2096353	cg24999105	MAP3K5	6	0.02381308	0.854911854
-0.2028153	cg18914962	MAP3K5	6	0.02645559	0.805141457
-0.1919788	cg07474842	MAP3K5	6	0.01695535	0.825039156
-0.1271849	cg21778987	MAP3K5	6	0.00017209	0.629570019
-0.1261512	cg20996351	MAP3K6	1	0.00044198	0.687018572
-0.1043951	cg09331409	MAP6;MAP6	11	0.006233	0.254708199
-0.1493941	cg25538883	MAPK4	18	0.00470846	0.775609583
-0.1564476	cg26946769	MAPK4	18	0.03152169	0.637840999
-0.1472363	cg14303674	MAPRE1	20	0.04460963	0.545678274
-0.1322419	cg16805068	MAPRE1	20	0.01141079	0.799081655
-0.1687756	cg20840174	MAPT;MAPT	17	0.02386726	0.442486038
-0.1429247	cg02570981	MARCH1	4	0.04862341	0.733889722
-0.1144706	cg15498306	MARCH1;MA	4	0.00718675	0.594096226
-0.1621275	cg13963033	MARCH3	5	0.03634141	0.602125931
-0.1427854	cg18322693	MARCH4	2	0.01042043	0.495395483
-0.1115508	cg09601514	MARCO	2	0.04091113	0.373168179
-0.1303173	cg11009736	MARCO	2	0.04767085	0.647015317
-0.1620254	cg25730428	MAS1L	6	0.01766129	0.828360365
-0.2534339	cg13305823	MAS1L	6	0.00191206	0.534741236
-0.2059176	cg25818109	MASP1	3	0.0131134	0.532513951
-0.1367993	cg25391820	MATR3;SNHC	5	0.01777994	0.401917144
-0.1064798	cg01643441	MAX;MAX;M	14	0.00710599	0.473513614
-0.1030731	cg12845756	MB;MB;MB	22	0.00195698	0.390064169
-0.1039297	cg08535978	MBNL1;MBN	3	0.02385018	0.422781012
-0.2386988	cg27262850	MBP;MBP	18	0.01738521	0.728814856
-0.1770839	cg16762684	MBP;MBP	18	0.00555981	0.354261523
-0.1530154	cg15566919	MBP;MBP	18	0.03107036	0.352842876
-0.138905	cg24446429	MBP;MBP	18	0.01448714	0.740642752
-0.1342523	cg24853975	MCC	5	0.00866493	0.620904233
-0.1290553	cg08213909	MCC;MCC	5	0.01194262	0.747202032
-0.1261584	cg06062378	MCC;MCC	5	0.00300966	0.726017891
-0.1143674	cg11521563	MCF2L;MCF2	13	0.0260128	0.614212111
-0.1021571	cg12560772	MCHR2;MCH	6	0.00197053	0.614827056
-0.1413969	cg12210618	MCOLN3	1	0.01885763	0.628325522
-0.1180389	cg03187301	MCRS1;MCR	12	0.00828186	0.790095356
-0.1398978	cg06778183	MCTP1;MCTI	5	0.00575433	0.70250067
-0.1259144	cg04231905	MCTP2;MCTI	15	0.00086149	0.471354947
-0.1790654	cg01278975	MDGA1	6	0.00240426	0.890092084
-0.1101985	cg19503462	MDGA2	14	0.00592705	0.332637927
-0.1054605	cg02493602	ME3;ME3;MI	11	0.00212498	0.689550811
-0.1869374	cg02556393	MECOM;MEC	3	0.0218112	0.836676892

-0.1451973	cg25956089	MECOM;MEC	3	0.04138306	0.479758064
-0.1177354	cg10371155	MED1	17	0.00795011	0.798389685
-0.2095115	cg27657537	MED15;MED	22	0.00955148	0.334319882
-0.158777	cg05689413	MED20	6	0.0214366	0.397573856
-0.1026696	cg03301498	MED29	19	0.00767248	0.728642989
-0.1161425	cg00599219	MEFV	16	0.0062229	0.627269441
-0.1264489	cg26846864	MEFV	16	0.00568968	0.607537297
-0.1267607	cg05554494	MEFV	16	0.00509171	0.772350551
-0.1858993	cg03919650	MEFV	16	5.47E-05	0.396320989
-0.1357612	cg04391135	MEGF6	1	0.01756808	0.879708957
-0.103096	cg09187007	MEGF6	1	0.00073663	0.354385506
-0.1573788	cg09896544	MEIS2;MEIS2	15	0.00074364	0.303122982
-0.1408003	cg09425926	MEST	7	0.01121541	0.686162704
-0.1052899	cg02490034	MEST	7	0.03084269	0.832205399
-0.1922937	cg11056055	MET;MET	7	0.02525069	0.712421326
-0.127183	cg24197567	MET;MET	7	0.00052716	0.52444349
-0.1216383	cg12393623	METRNL	17	0.00671868	0.662768069
-0.1209352	cg12806347	METRNL	17	0.03198357	0.840063778
-0.1608836	cg02633149	METRNL	17	0.00741445	0.724839479
-0.1861478	cg15224459	METRNL	17	0.00059176	0.621218887
-0.177613	cg07917978	METTL9;MET	16	0.00313066	0.403272064
-0.1583094	cg09808606	METTL9;MET	16	0.04138739	0.715413342
-0.1655114	cg10201923	MFAP2;MFAI	1	0.01732485	0.92856556
-0.1269909	cg19306948	MFAP2;MFAI	1	0.03189847	0.67920356
-0.1031334	cg12695612	MFAP2;MFAI	1	0.01902294	0.790481733
-0.2250203	cg17744878	MFAP2;MFAI	1	0.01420194	0.653216097
-0.1758274	cg07086226	MFSD7	4	0.03971399	0.438700742
-0.1726714	cg01149192	MGAT1;MGA	5	0.03246689	0.693138903
-0.1714028	cg00514575	MGAT1;MGA	5	0.0235667	0.687700121
-0.1713481	cg04212021	MGAT1;MGA	5	0.00718599	0.807060224
-0.1351049	cg21868063	MGAT5B;MG	17	0.00821036	0.559592605
-0.1134073	cg05514299	MGAT5B;MG	17	0.00261008	0.470990713
-0.1075254	cg09277376	MGC12982	1	0.04118659	0.468358264
-0.107003	cg04400653	MGC26597	6	0.0085621	0.71925159
-0.1008556	cg06975633	MGC27382	1	0.02642397	0.537476862
-0.2305181	cg10435609	MGC27382	1	0.01664493	0.774361047
-0.1662176	cg03148889	MGC27382	1	0.01726423	0.465121466
-0.148994	cg24113496	MGC29506	5	0.00351398	0.505576678
-0.1068654	cg07493858	MGC45800	4	0.0136441	0.677335737
-0.1498336	cg11393122	MGC45800	4	0.00568172	0.473276028
-0.1078429	cg18304448	MGC45800	4	0.03544697	0.780365054
-0.1351353	cg05812452	MGC45800	4	0.0257503	0.776998186
-0.1036502	cg02353258	MGC45800	4	0.00534824	0.705601751
-0.1186258	cg23370946	MGC45800	4	0.0030624	0.678870466
-0.1612797	cg16027775	MGLL;MGLL	3	3.44E-05	0.535174981
-0.1409948	cg22575127	MGMT	10	0.00477065	0.849179824

-0.2741728	cg18148349	MGMT	10	0.01874822	0.839854279
-0.2677627	cg03821121	MICAL2	11	0.02459491	0.652784556
-0.1693726	cg03078520	MICAL3;MIC	22	0.00804034	0.755140329
-0.1582778	cg04505313	MICB	6	0.01373858	0.427408295
-0.1501325	cg00044354	MIER1;WDR7	1	0.01167538	0.375547821
-0.1392832	cg26614229	MIR1182;FAI	1	8.11E-05	0.301738321
-0.1358359	cg22492271	MIR1200;ELN	7	0.01820348	0.747094959
-0.1351983	cg05076730	MIR1207;PV1	8	0.01860501	0.835869236
-0.1317158	cg00444740	MIR1208	8	0.04202905	0.862966337
-0.1271532	cg07018107	MIR1208	8	0.03402257	0.826494456
-0.1244555	cg07191657	MIR1265	10	0.04539571	0.692290138
-0.1235195	cg27292264	MIR1280;EEF	3	0.00101513	0.348097026
-0.1180433	cg26377653	MIR1283-1	19	0.0315651	0.520461998
-0.1116092	cg02991888	MIR1283-2;N	19	0.01292526	0.718849609
-0.1091584	cg00176888	MIR142	17	0.01796333	0.619827856
-0.1032859	cg00477302	MIR182	7	0.0006257	0.358169935
-0.1030184	cg23955417	MIR1976;RPS	1	0.00451326	0.486279639
-0.1019312	cg17799287	MIR19A;MIR	13	0.01627092	0.406473419
-0.1010005	cg02515217	MIR21	17	0.0261502	0.700269293
-0.2196055	cg15759721	MIR21	17	0.01284363	0.678488404
-0.1027794	cg25687874	MIR2117	17	0.0006412	0.517496321
-0.1304891	cg03184776	MIR2117	17	0.00229539	0.433391794
-0.1009107	cg16506910	MIR30A	6	0.00452125	0.738349155
-0.2065055	cg10583119	MIR518D	19	0.00177914	0.339152379
-0.114671	cg17670263	MIR520C	19	0.01149633	0.355355
-0.1038907	cg02229135	MIR548F5;NI	13	0.03448197	0.393237144
-0.1929374	cg26664528	MIR548H4;N	15	0.01249831	0.701085383
-0.15923	cg20587874	MIR548N	2	0.00067309	0.492897585
-0.1197037	cg01706263	MIR598;XKR6	8	0.00053355	0.47126337
-0.1790926	cg12242373	MIR609;C10c	10	0.00431071	0.877388309
-0.1283572	cg03775802	MIR609;C10c	10	0.03888288	0.664333076
-0.1010311	cg00990350	MIR609;C10c	10	0.00989552	0.602781561
-0.1280825	cg14294096	MIR670	11	0.00346623	0.686839445
-0.105745	cg23176340	MIR7-2	15	0.04871509	0.459600677
-0.1532205	cg18824446	MIR7-2	15	0.00102382	0.41742101
-0.1207325	cg25340688	MIR886	5	0.04962147	0.525738613
-0.1317499	cg18496212	MITF	3	0.00515849	0.845946507
-0.1329922	cg04811592	MITF;MITF	3	0.0107031	0.553363622
-0.1048907	cg15571405	MKLN1	7	0.00079924	0.211479698
-0.1049631	cg10854441	MLC1;MLC1	22	0.04230722	0.50874113
-0.1501702	cg03677952	MLC1;MLC1	22	0.01351689	0.582899457
-0.1304513	cg17169998	MLC1;MLC1;	22	0.00089245	0.304536395
-0.1266593	cg08660915	MLC1;MLC1;	22	0.00089553	0.449771116
-0.1044816	cg05861567	MLC1;MLC1;	22	0.00869463	0.483666242
-0.1451286	cg22729539	MLXIP	12	0.03926363	0.846488261
-0.134865	cg03509949	MMP19	12	0.0096996	0.372442339

-0.124467	cg17865265	MMP19	12	0.00790726	0.695092411
-0.2091424	cg24901637	MMRN1	4	0.03004196	0.317888813
-0.1222345	cg07436701	MMRN2;SNC	10	0.00062583	0.797893218
-0.1467236	cg05304729	MNDA	1	0.00355027	0.58977692
-0.1243492	cg06896207	MOBKL2A	19	0.02518713	0.571321983
-0.2148106	cg19519319	MOBKL2A	19	0.01636327	0.783670539
-0.1068122	cg21876918	MOBKL2A	19	0.01178305	0.748965777
-0.1518683	cg24938761	MOBKL2A	19	0.00642529	0.697327477
-0.1068666	cg13648550	MOBKL2B	9	0.0058751	0.70608503
-0.1648816	cg06297863	MOG;MOG;M	6	0.03924715	0.717716741
-0.1450995	cg01261013	MORC3	21	0.04041319	0.674728554
-0.1835222	cg11621113	MORG1;MOF	19	0.00688935	0.348864909
-0.1415413	cg00032879	MORN1	1	0.004821	0.76804582
-0.1386046	cg23110109	MORN3	12	0.00538469	0.29274534
-0.1400454	cg03188064	MORN3	12	0.00920335	0.83003863
-0.2112302	cg05482413	MOXD2	7	0.02224384	0.6368279
-0.1522561	cg01422009	MPG	16	0.04810873	0.441776367
-0.2342304	cg18936620	MPL	1	0.00191143	0.654678358
-0.1087637	cg22331200	MPO	17	0.00174324	0.61579555
-0.113294	cg04988978	MPO	17	0.00054304	0.393216753
-0.1823191	cg17327331	MPP5	14	0.023503	0.490255776
-0.1596474	cg14599440	MPPE1	18	0.00814686	0.532787145
-0.1436367	cg02543159	MPPED1	22	0.02733365	0.703549365
-0.1330651	cg08591668	MRE11A;MR	11	0.0178459	0.5319164
-0.1323834	cg13062935	MRGPRX2	11	0.00924069	0.64871384
-0.1109168	cg23247274	MRP63;MRP	13	0.00801505	0.152000803
-0.1103456	cg15897435	MRPL1	4	0.02651006	0.499921551
-0.1021781	cg26371345	MRPL14	6	0.00013359	0.496808111
-0.1231677	cg23924737	MRPS23	17	0.02031478	0.667489214
-0.1858373	cg06746274	MS4A13;MS4	11	0.00493125	0.620261246
-0.1560529	cg17173423	MS4A3;MS4	11	0.0283899	0.726423065
-0.1449597	cg02893799	MS4A4A	11	0.04402121	0.585406229
-0.1064552	cg08564601	MS4A4A	11	0.04238234	0.809179238
-0.1502933	cg01229998	MS4A4A;MS4	11	0.01844644	0.323483736
-0.1094315	cg26250585	MS4A6A;MS4	11	0.02003657	0.758747585
-0.1283784	cg00673646	MS4A6A;MS4	11	0.00088647	0.538925481
-0.1103444	cg18570331	MS4A6E	11	0.00034762	0.199728823
-0.102742	cg10891482	MS4A8B;MS4	11	0.00388785	0.50433878
-0.1024812	cg14200364	MSH4	1	0.02396889	0.652893283
-0.1639978	cg22801561	MSI2;MSI2	17	0.014429	0.766544239
-0.1231157	cg16773768	MSRA;MSRA	8	0.04150171	0.68842021
-0.1067627	cg11951818	MSX2	5	0.002691	0.745329045
-0.1419882	cg01603396	MSX2	5	0.00662612	0.761673815
-0.1044682	cg04496824	MTF1	1	0.02543313	0.623600999
-0.1198704	cg00791074	MTHFD1L	6	0.0003098	0.595785316
-0.1807007	cg20694147	MTHFD2;MT	2	0.00010527	0.277042326

-0.1825272	cg05959989	MTL5;MTL5	11	0.02146523	0.655360951
-0.1136909	cg23398173	MTPN;LUZP6	7	0.00116789	0.299294507
-0.1070992	cg10995381	MTRR;MTRR	5	0.00561064	0.828407652
-0.1069267	cg16643473	MUC15;MUC	11	0.0083632	0.690074181
-0.1383536	cg08120226	MUC4;MUC4	3	0.0018887	0.546961736
-0.1130755	cg19800336	MUPCDH;ML	11	0.00196967	0.600883599
-0.1123994	cg06752054	MX2	21	0.00089065	0.822899198
-0.1520414	cg21390801	MX2	21	0.03954381	0.803320999
-0.1181605	cg15281283	MX2	21	0.04597606	0.637617238
-0.1935493	cg05656374	MX2	21	0.00168317	0.682709793
-0.2258056	cg18465082	MXD3;MXD3	5	0.03513932	0.57565873
-0.1865599	cg25368647	MXD3;MXD3	5	0.01612716	0.81735748
-0.1304499	cg17342071	MYEOV2;MY	2	0.02473767	0.688286236
-0.1146106	cg17594351	MYF6	12	0.01235822	0.289022493
-0.2106725	cg14606858	MYH16	7	0.00912027	0.515466495
-0.1322346	cg02558132	MYLK;MYLK;l	3	0.01111591	0.777731719
-0.143309	cg19611163	MYLK;MYLK;l	3	0.00656792	0.754792765
-0.1115476	cg12235788	MYLK;MYLK;l	3	0.04856706	0.736556719
-0.1281515	cg16402006	MYLK4	6	0.04861742	0.850260985
-0.1685863	cg15453396	MYLK4	6	0.00091461	0.808517954
-0.1626268	ch.5.432310R	MYO10	5	0.00633087	0.214343541
-0.1246278	cg06742628	MYO10	5	0.02343845	0.570668477
-0.1170876	cg20748397	MYO15A	17	0.01363154	0.799259118
-0.1072339	cg24702069	MYO16	13	0.01409267	0.603406534
-0.1570057	cg02920604	MYO1E	15	0.00279065	0.254359225
-0.1185652	ch.15.814613R	MYO1E	15	0.00277956	0.272659951
-0.1018052	cg06787669	MYO1G	7	0.00664795	0.801853229
-0.1706022	cg24590708	MYO5C	15	0.03730118	0.796887302
-0.2096978	cg09681043	MYO7B	2	0.03098904	0.396430852
-0.1272562	cg24128316	MYOM1;MYC	18	0.00313488	0.439484148
-0.1435937	cg13428978	MYOM2	8	0.04367075	0.583375311
-0.1160697	cg22843712	MYOM2	8	0.02485922	0.806115651
-0.1128885	cg20103825	MYOM2	8	0.00068644	0.281931799
-0.1101152	cg09584650	MYOM2	8	0.03722507	0.490968834
-0.1004584	cg04956382	MYOT;MYOT	5	0.00312403	0.626783465
-0.1343919	cg10215032	MYT1L	2	0.01417806	0.341390009
-0.2425317	cg22388316	MYT1L	2	0.03817585	0.76932169
-0.1010195	cg09716613	N4BP2L1;N4I	13	0.00190849	0.604986816
-0.1014283	cg08685085	NACA;NACA;	12	0.02757068	0.777755118
-0.1159186	cg10774877	NALCN	13	0.0032252	0.262516089
-0.1088378	cg25024321	NALCN	13	0.04128186	0.776184884
-0.1378706	cg24324984	NANOS2	19	0.00760619	0.520841982
-0.1212609	cg26609120	NAPSB	19	0.00096713	0.566343617
-0.1238847	cg15474337	NAPSB	19	0.0150454	0.73947364
-0.1103504	cg15797286	NAT1;NAT1;†	8	0.02819443	0.628686846
-0.1415041	cg12728240	NAT8	2	0.00782547	0.486000602

-0.1003912	cg08116137	NAT8;ALMS1	2	0.02864608	0.605826794
-0.1813053	cg19323289	NAV2	11	0.01145764	0.748228932
-0.2128177	cg19141316	NAV2;NAV2;|	11	0.02621259	0.896692947
-0.2833066	cg26406074	NBEA	13	0.0490037	0.348401891
-0.1769749	cg02959112	NBL1;NBL1	1	0.04141401	0.724707078
-0.168956	cg01747862	NBLA00301	4	0.02323436	0.837088215
-0.1587009	cg18575740	NBLA00301	4	0.03996182	0.738855639
-0.1539179	cg19095920	NBLA00301	4	0.01430152	0.707215328
-0.1488678	cg26805882	NBLA00301	4	0.00357674	0.856255065
-0.1297433	cg21383280	NBLA00301	4	0.0004602	0.538417358
-0.1417029	cg10024909	NBLA00301	4	0.00042068	0.663893964
-0.1633626	cg15234400	NBLA00301	4	0.00056713	0.794914636
-0.2197376	cg16919569	NBLA00301;f	4	0.00041304	0.76808599
-0.1899914	cg07681935	NBLA00301;f	4	0.00056044	0.681734411
-0.1591262	cg21727486	NCAM1;NCA|	11	0.0039966	0.599929138
-0.146682	cg20783319	NCAM1;NCA|	11	0.00324083	0.504609299
-0.1377825	cg01906055	NCAPH	2	0.04408104	0.801940434
-0.1007825	cg03147185	NCAPH	2	0.00066893	0.564109192
-0.1225284	cg02532700	NCF4;NCF4	22	0.01848155	0.68280635
-0.1205534	cg09785516	NCKAP5;NCK	2	0.0189528	0.450356875
-0.1141596	cg16328548	NCKAP5;NCK	2	0.04480959	0.710574092
-0.164959	cg14416623	NCKAP5;NCK	2	0.00646227	0.507774593
-0.1285349	cg12131620	NCLN	19	0.03911232	0.789889189
-0.1926215	cg10743062	NCOA6	20	0.0082445	0.469079403
-0.187828	cg25954028	NCOR2;NCOF	12	0.00136988	0.710064188
-0.1339163	cg14550066	NCR1;NCR1;f	19	0.03110814	0.398859541
-0.1542061	cg12123879	NCR1;NCR1;f	19	0.03443779	0.420313458
-0.1279361	cg25990402	NCR2	6	0.02398897	0.609169695
-0.1247823	cg23484380	NCR3;NCR3;f	6	0.00091139	0.372031217
-0.1633983	cg08610982	NCR3;NCR3;f	6	0.00067267	0.446843582
-0.1183485	cg13910377	NCRNA00111	21	0.00521727	0.642569176
-0.1061974	cg06804705	NCRNA00114	21	0.04862525	0.720882835
-0.1085632	cg09758842	NCRNA00164	2	0.03453517	0.815609889
-0.1287639	cg24479752	NCRNA00171	6	0.02573555	0.352634679
-0.145418	cg07235935	NDST4	4	0.0316473	0.625351199
-0.1053439	cg13897914	NDUFAF1	15	0.00891627	0.755602917
-0.1006268	cg04436964	NDUFS2;ADA	1	0.02079842	0.583511979
-0.1025495	cg08850169	NDUFS2;NDL	1	0.04634162	0.391416891
-0.1598478	cg12070987	NDUFS8	11	0.01067648	0.848772709
-0.2686865	cg08580187	NECAB2	16	0.00174397	0.678874091
-0.1431551	cg20389653	NECAP2;NEC	1	0.02631314	0.704695781
-0.1095784	cg01085803	NEDD9;NEDI	6	0.02996291	0.605326168
-0.1190494	cg13822256	NEFL	8	0.00211167	0.598165963
-0.1105932	cg13008174	NEIL2;NEIL2;	8	0.00990569	0.50172647
-0.1534536	cg18615369	NEK5	13	0.00303084	0.867884734
-0.1399381	cg11924499	NELL1;NELL1	11	0.00033097	0.26577173

-0.1796876	cg17280514	NEU4;NEU4;I	2	0.02825258	0.589593499
-0.1600198	cg00351443	NEURL	10	0.01719864	0.736313792
-0.1275737	cg18636003	NEURL	10	0.01949418	0.683255606
-0.1298015	cg20806345	NEUROD1	2	0.00068434	0.360217042
-0.1986788	cg05109049	NF1;EVI2B;N	17	0.01814154	0.742291914
-0.1565678	cg10186605	NF1;NF1	17	0.04724666	0.691532044
-0.1446215	cg21964564	NFASC;NFAS	1	0.0029888	0.334471527
-0.1403985	cg08915824	NFASC;NFAS	1	0.00599587	0.650714725
-0.1289103	cg09465142	NFATC2;NFA	20	0.00361689	0.449310968
-0.1210196	cg11074047	NFATC2;NFA	20	0.04893011	0.733391775
-0.1171275	cg02506867	NFATC3;NFA	16	0.00477324	0.281634393
-0.107936	cg04158018	NFE2	12	0.04883066	0.647735575
-0.1024255	cg27050612	NFE2L1	17	0.00610611	0.394558879
-0.185611	cg10536999	NFE2L3	7	0.00196617	0.268793089
-0.1547732	cg12510708	NFE2L3	7	0.00320593	0.641396417
-0.1033715	cg02106072	NFIL3	9	0.0322584	0.661051934
-0.1585572	cg11087503	NID2	14	0.02651006	0.726820288
-0.1991325	cg22767754	NIPAL1	4	0.00281083	0.799498393
-0.1400348	cg24575128	NISCH	3	0.02142099	0.477070145
-0.1502075	cg03226666	NKAIN2	6	0.00528225	0.466678972
-0.1379262	cg12300018	NKAIN3	8	0.00394696	0.659287071
-0.1055308	cg03064228	NKD1	16	0.04770003	0.871467206
-0.1060777	cg01701634	NKG7	19	0.00045549	0.345600796
-0.1219411	cg06874016	NKIRAS2;NKI	17	0.00057702	0.297747897
-0.1428932	cg18017926	NKX2-5;NKX2	5	0.00812373	0.410275058
-0.2757505	cg01040654	NKX2-5;NKX2	5	0.01050906	0.670250206
-0.2619466	cg07383092	NKX2-5;NKX2	5	0.00380489	0.446356011
-0.2191312	cg11330740	NKX2-5;NKX2	5	0.011162	0.55490578
-0.1210269	cg07937271	NKX3-2	4	0.0381314	0.819093936
-0.1142994	cg24275315	NKX6-1	4	0.0027045	0.28183124
-0.1155315	cg24845848	NKX6-1	4	0.01231468	0.326068427
-0.2225874	cg06374325	NKX6-1	4	0.00961385	0.53610057
-0.2366016	cg25830182	NKX6-1	4	0.00014332	0.321784508
-0.1295018	cg22598426	NKX6-1	4	0.00072228	0.400408521
-0.1186327	cg27406678	NKX6-1	4	0.00278276	0.411999098
-0.1747818	cg22256677	NKX6-1	4	0.0001501	0.395536367
-0.1245677	cg18297736	NKX6-1	4	0.00090161	0.396840956
-0.121129	cg02489958	NKX6-1	4	0.00123056	0.458645875
-0.125441	cg15704699	NLK	17	0.0003828	0.329488399
-0.2052158	cg03065612	NLRC3	16	0.04354201	0.746153605
-0.1710623	cg22171142	NLRC3	16	0.018388	0.630475629
-0.1488234	cg08213607	NLRC3;NLRC	16	0.0065039	0.593352956
-0.135197	cg26561413	NLRP1;NLRP	17	0.02126899	0.267177965
-0.1246645	cg07042144	NLRP12	19	0.00283677	0.755398999
-0.1210415	cg22337438	NLRP12;NLR	19	0.02011424	0.812439062
-0.1123667	cg24307499	NLRP2	19	0.00434532	0.74230499

-0.1245167	cg21806273	NLRP3;NLRP3	1	0.02921793	0.33224236
-0.1182347	cg03505654	NLRP3;NLRP3	1	0.02025072	0.675351889
-0.1045109	cg21919599	NLRP3;NLRP3	1	0.00639635	0.507950708
-0.1859391	cg26112639	NLRP3;NLRP3	1	0.01470547	0.517215374
-0.1620473	cg14928510	NLRP7;NLRP7	19	0.01970565	0.820296376
-0.1212996	cg15977933	NMNAT2	1	0.01747975	0.63729531
-0.1402162	cg13101705	NMNAT2;NMNAT2	1	0.00311208	0.494539775
-0.1322002	cg07429087	NMUR2	5	0.00959382	0.659284874
-0.1136671	cg02326551	NOC2L	1	0.03980191	0.778722094
-0.1247806	cg19071544	NOD1	7	0.02459096	0.774429987
-0.1457448	cg04172533	NOD2	16	0.04834728	0.82126786
-0.1336893	cg01243823	NOD2	16	0.00894023	0.40147116
-0.1131	cg21179618	NOTCH1	9	0.02732343	0.708925771
-0.114124	cg03250947	NOTCH4	6	0.02190421	0.639135901
-0.1060052	cg05797854	NOX3	6	0.00707481	0.653209948
-0.1411974	cg06979108	NOX4	11	0.02637196	0.582065116
-0.1237993	cg09819656	NPAS3;NPAS3	14	0.03071555	0.441320509
-0.1009024	cg06850660	NPFF	12	0.00110622	0.346083773
-0.1142949	cg03017946	NPFFR2	4	0.0435871	0.680973525
-0.1827846	cg12986700	NPFFR2;NPFFR2	4	0.00455752	0.321545526
-0.2373495	cg13202952	NPM2	8	0.03887061	0.693401381
-0.2132113	cg18418051	NPR3	5	0.02091932	0.851559423
-0.1423658	cg26647771	NPR3	5	0.0365009	0.564114865
-0.1689005	cg01335126	NPW	16	0.00086501	0.457292431
-0.1637856	cg21556967	NPY2R	4	0.00225347	0.640451793
-0.2193365	cg09636661	NQO1;NQO1	16	0.01786297	0.294738752
-0.1735492	cg09244872	NR1H4	12	0.00147742	0.566272007
-0.135371	cg08946601	NR2E1	6	0.0071726	0.456447205
-0.1349805	cg08969950	NR2F1	5	0.00184752	0.617236963
-0.1202094	cg23734137	NR2F2	15	0.01659012	0.735123484
-0.1580573	cg05108467	NR2F2	15	0.00385022	0.212703942
-0.1088137	cg26593946	NR2F2	15	0.00215987	0.322427234
-0.1696877	cg01213447	NR2F2	15	0.00010789	0.631082195
-0.1637987	cg20754348	NR2F2;NR2F2	15	0.00042068	0.323464959
-0.1093227	cg27236629	NR2F2;NR2F2	15	8.25E-05	0.646201339
-0.1083186	cg02964555	NR4A2	2	0.02531505	0.518014405
-0.209831	cg20570611	NR4A2	2	0.04181434	0.627199236
-0.1081119	cg06101180	NR4A2	2	0.02597005	0.705954656
-0.1044179	cg03277560	NR4A3;NR4A3	9	0.03894279	0.744526411
-0.1112138	cg04308769	NR5A2;NR5A2	1	0.03858042	0.361087506
-0.1272521	cg14046477	NR6A1;NR6A1	9	0.0202865	0.416727436
-0.1268033	cg27133711	NRG1	8	0.00262792	0.552511767
-0.1390179	cg20127899	NRG1;NRG1	8	0.00179349	0.319679178
-0.1047011	cg17519477	NRG3;NRG3	10	0.02436881	0.680185907
-0.1416354	cg06850159	NRG3;NRG3	10	0.00167974	0.498057554
-0.1157964	cg21770330	NRGN;NRGN	11	0.00681624	0.383779088

-0.1666369	cg07543138	NRIP1	21	0.04567426	0.761313336
-0.1599203	cg01493727	NRN1	6	0.03464726	0.490044663
-0.158384	cg05265020	NRN1	6	0.02657117	0.469853872
-0.1416325	cg27270412	NRP1;NRP1;N	10	0.03574853	0.83153828
-0.1365037	cg05264870	NRP2;NRP2;N	2	0.00827128	0.894320829
-0.107745	cg19731541	NRP2;NRP2;N	2	0.00121556	0.660119565
-0.1031217	cg09271709	NRXN1;NRXN	2	0.01690968	0.792580461
-0.1280259	cg10917619	NRXN1;NRXN	2	0.01055555	0.692281887
-0.1576465	cg08623810	NRXN2;NRXN	11	0.00949339	0.638481577
-0.1348725	cg10991579	NRXN3	14	0.02092655	0.326727491
-0.1307081	cg14185201	NRXN3	14	0.00024762	0.336481537
-0.1284385	cg27379887	NSFL1C;NSFL	20	0.03008269	0.550787673
-0.2071308	cg10037913	NSMCE1	16	0.00284481	0.641924275
-0.1313805	cg16396933	NT5C2;NT5C	10	0.04100489	0.555791169
-0.119445	cg06004033	NT5DC3	12	0.00049158	0.418728873
-0.2181453	cg26567736	NTM	11	0.00093428	0.440575588
-0.1778804	cg12445309	NTM	11	0.00685393	0.489053041
-0.1797168	cg16763885	NTM;NTM;N	11	0.00259933	0.2638476
-0.223271	cg15370309	NTN1	17	0.04354033	0.527428425
-0.2022763	cg13620631	NTRK2;NTRK	9	0.02514493	0.58409949
-0.1901402	cg25699759	NTRK3;NTRK	15	0.01227972	0.794022616
-0.1715532	cg03287527	NUBP1	16	0.0214763	0.682100332
-0.1481849	cg05450979	NUBP1	16	0.04977705	0.791932107
-0.1251403	cg17467898	NUDT1;NUDT	7	0.00266472	0.496558392
-0.1196292	cg14530679	NUDT9;NUDT	4	0.01662398	0.472599959
-0.1676189	cg23878206	NUP62;ATF5;	19	0.01684484	0.866593359
-0.192429	cg10776186	NUPL1;NUPL	13	0.00879167	0.534116904
-0.2955922	cg08496737	NXF1;NXF1	11	0.00419631	0.449942697
-0.1507263	cg25505880	NXF1;NXF1	11	0.0227269	0.565187329
-0.1092323	cg25364619	NXN	17	0.01426205	0.708635015
-0.2164132	cg17334536	NXN	17	0.01103577	0.586190941
-0.1481192	cg21971800	NXN	17	0.01561989	0.483318581
-0.1456583	cg22237425	NXN	17	0.04423046	0.563142534
-0.131985	cg08510234	NXN	17	0.00180682	0.777228762
-0.1270504	cg13383734	NXN	17	0.00139778	0.841306103
-0.1108979	cg09225457	NXPH1	7	0.0226765	0.239516598
-0.1077194	cg03836586	NXPH1	7	0.0054285	0.245897498
-0.1074246	cg12502577	NXPH4	12	0.02510132	0.622456487
-0.105668	cg19789466	OAS1;OAS1;C	12	0.03525619	0.764407081
-0.1010952	cg04708790	OAS1;OAS1;C	12	0.00362546	0.641577477
-0.176471	cg19371652	OAS2;OAS2;C	12	0.00586897	0.692929754
-0.1448223	cg20870559	OAS2;OAS2;C	12	0.00026193	0.387676858
-0.1138299	cg16399664	OAS2;OAS2;C	12	0.00319263	0.52708321
-0.1050643	cg27147785	OAS2;OAS2;C	12	0.00046636	0.327832228
-0.1028631	cg12560128	OAS2;OAS2;C	12	0.00238262	0.654430356
-0.1391515	cg06800840	OASL;OASL	12	0.02990814	0.56439544

-0.1007805	cg05048523	OBSCN;OBSC	1	0.00765563	0.851740508
-0.1002832	cg03419458	OBSCN;OBSC	1	0.01389537	0.715589479
-0.1154777	cg25626375	OC90	8	0.00335228	0.732654144
-0.1212381	cg15399926	OCA2	15	0.03127798	0.762904809
-0.1036817	cg24943998	OCA2	15	0.00167449	0.572548947
-0.2404823	cg00366359	ODZ4	11	0.04798515	0.493043615
-0.1542606	cg09966895	ODZ4	11	0.00039188	0.365711511
-0.1048315	cg02581615	OLAH;OLAH	10	0.03250083	0.860077792
-0.1903081	cg22557711	OLFM2	19	0.02455499	0.766675635
-0.1792233	cg04846232	OLFM3	1	0.00028659	0.262829717
-0.1749068	cg11983942	OPCML	11	0.00308862	0.578655992
-0.1515324	cg18989085	OPCML	11	0.00103416	0.768272276
-0.1325331	cg25585185	OPCML	11	0.00455028	0.786011981
-0.1318862	cg01875106	OPCML;OPC	11	0.00440889	0.427526278
-0.1076291	cg17786206	OPRD1	1	3.77E-05	0.380044025
-0.1557729	cg22794244	OR10G9	11	0.03033752	0.814700392
-0.1125231	cg25843439	OR10H3	19	0.03941537	0.486175141
-0.1705354	cg10278025	OR12D3	6	0.00695241	0.522444655
-0.1643173	cg03019219	OR14J1	6	0.00147192	0.450816429
-0.1619844	cg03529662	OR1A1	17	0.03095347	0.363287978
-0.1535847	cg14314889	OR1E2	17	0.01077128	0.355636726
-0.1438382	cg03208902	OR1F2P	16	0.00138739	0.554017864
-0.1401902	cg16343924	OR2H1	6	0.00085184	0.591739638
-0.1212262	cg11246007	OR2H2	6	0.0097915	0.634410152
-0.1130074	cg05009707	OR2H2	6	0.00232324	0.468754397
-0.1036181	cg22490229	OR2M2	1	0.02818997	0.484228831
-0.1006427	cg07483650	OR2T4	1	0.01280183	0.586390184
-0.105064	cg15690511	OR4C12	11	0.00931215	0.46419451
-0.1323733	cg05282518	OR4K2	14	0.00092799	0.403446413
-0.1204955	cg25798460	OR56A5	11	5.02E-05	0.328129468
-0.1938251	cg00849025	OR5B3	11	0.03335052	0.526376903
-0.1086441	cg21052687	OR5D14	11	0.00481564	0.564639995
-0.2272675	cg12750151	OR5D18	11	0.00060628	0.517265937
-0.185805	cg19474983	OR5H1	3	0.04859549	0.68430301
-0.1451216	cg18157275	OR5M10;OR	11	0.0052888	0.552268336
-0.123077	cg10906826	OR6B3	2	0.00676378	0.494948756
-0.1156139	cg19364530	OR6F1	1	0.00081993	0.425300909
-0.1133413	cg20778958	OR6P1	1	0.00348444	0.602409986
-0.1121381	cg13041637	OR6X1	11	0.02905736	0.756667914
-0.1113949	cg24360034	OR8B12	11	0.04479976	0.773888599
-0.1101066	cg04948906	OR8B12	11	0.00479413	0.733389557
-0.2019162	cg12453675	OR8G1	11	0.00116429	0.228100121
-0.1310039	cg27191606	OR8H2	11	0.00693415	0.404537521
-0.205516	cg20886721	OR8U8	11	0.00884603	0.494428513
-0.203394	cg11052535	OR8U8;OR9C	11	0.00037224	0.268370371
-0.1016373	cg12011522	OSBPL6;OSBI	2	0.005996	0.448429778

-0.1149771	cg02026204	OSM	22	0.01878247	0.782825751
-0.1001431	cg07498879	OSM	22	0.02883509	0.63820225
-0.1743692	cg05539509	OSM	22	0.00212219	0.575111245
-0.1296874	cg00017461	OSM	22	0.00179658	0.784987311
-0.1463424	cg12925682	OSMR;OSMR	5	0.02167367	0.82595514
-0.1819651	cg12619940	OSR1	2	0.01558075	0.708226881
-0.1467607	cg11943209	OSR1	2	0.02691341	0.581251354
-0.1005864	cg20707692	OSR1	2	0.04927937	0.577385233
-0.1145529	cg26701390	OSR1	2	0.00997231	0.746391677
-0.1493924	cg22478121	OSR1	2	0.000497	0.40465991
-0.1145107	cg02172492	OSR1	2	0.00267798	0.782881504
-0.1197866	cg27305303	OTOF	2	0.01220713	0.794062255
-0.1126334	cg20687940	OTUB1;OTUE	11	0.00071736	0.39776751
-0.1237449	cg10465028	OTUB1;OTUE	11	0.00602583	0.438793202
-0.1223838	cg01882774	OTUB2	14	0.01678532	0.757774747
-0.2037676	cg15026634	OTX1	2	0.04775755	0.758427561
-0.163772	cg16595607	OTX1	2	0.01811247	0.833734875
-0.1561666	cg04276301	OTX1	2	0.01379461	0.662427106
-0.1222676	cg04793268	OVCH2	11	0.00275563	0.507179142
-0.1710608	cg13820899	OXER1;OXER	2	0.02321912	0.653632455
-0.1485976	cg07005444	P2RX1	17	0.00478025	0.474421213
-0.2119205	cg00277342	P2RY6;P2RY6	11	0.01775745	0.829770009
-0.1897445	cg15745401	P2RY6;P2RY6	11	0.00320667	0.595194736
-0.1436936	cg22702351	PACRG;PACR	6	0.03954097	0.415722725
-0.140497	cg02652891	PACRG;PACR	6	0.02284661	0.436388669
-0.1081433	cg07100542	PADI2	1	0.03172625	0.704673935
-0.1022968	cg00569276	PADI2	1	0.01847169	0.620661642
-0.195788	cg00025357	PADI3	1	0.00846539	0.260666491
-0.154968	cg03513388	PADI3	1	0.01818872	0.42597057
-0.1466632	cg08277548	PADI3	1	0.01287614	0.323380683
-0.1365792	cg14561834	PADI4	1	0.00418179	0.491480312
-0.1651782	cg23228178	PADI4	1	0.01207711	0.530806742
-0.1795072	cg16091981	PADI4	1	0.0020756	0.459025565
-0.1277945	cg00665650	PAIP2;PAIP2	5	0.01374562	0.455224058
-0.1032738	cg13866253	PAK1;PAK1	11	0.0015398	0.891750927
-0.1160776	cg03822639	PALLD;PALLD	4	0.04986146	0.81541645
-0.213064	cg08947774	PALLD;PALLD	4	0.01512611	0.752250633
-0.1879276	cg05259872	PALLD;PALLD	4	0.00751999	0.814321714
-0.1872598	cg01481116	PANX1	11	0.00118529	0.337893758
-0.1629992	cg24101009	PANX1	11	0.02413983	0.562049275
-0.102983	cg04438229	PANX2;PANX	22	0.01446362	0.503290353
-0.136637	cg00860359	PANX2;PANX	22	0.04449296	0.5964646
-0.1263713	cg10902549	PAOX;PAOX;l	10	0.01227812	0.857625375
-0.1434248	cg03319315	PAOX;PAOX;l	10	0.01310841	0.716605189
-0.1007703	cg18563886	PAOX;PAOX;l	10	0.00823773	0.647258396
-0.1281403	cg00744494	PAPLN	14	0.00604568	0.691225996

-0.1744897	cg14094498	PAPPA	9	0.00088054	0.736153296
-0.1388891	cg04983296	PAQR3	4	0.0364316	0.380229701
-0.1416648	cg10447404	PARD3	10	0.03613261	0.46388931
-0.1248034	cg19017553	PARD3	10	0.0364448	0.788020962
-0.1322742	cg06271128	PARD3	10	0.00217667	0.317494211
-0.1265156	cg08623277	PARD3B;PAR	2	0.02523983	0.72713744
-0.1328109	cg02926266	PARD3B;PAR	2	0.04000988	0.639026135
-0.1048809	cg23270841	PARD3B;PAR	2	0.00815058	0.624524328
-0.163437	cg08346632	PARK2;PARK	6	0.00414225	0.314677807
-0.147886	cg01948202	PARP14	3	0.02297678	0.633587626
-0.1280429	cg02346790	PARP15	3	0.00262199	0.546239854
-0.1157763	cg20765408	PARP4	13	0.0021702	0.324872307
-0.1118964	cg04134965	PARVB;PARV	22	0.00463688	0.804454499
-0.1086206	cg19460508	PARVB;PARV	22	0.00074104	0.750107351
-0.1336702	cg08271031	PARVG;PARV	22	0.00761185	0.667250484
-0.1350811	cg19653345	PARVG;PARV	22	0.04790952	0.370316998
-0.1089276	cg05014660	PARVG;PARV	22	0.00332983	0.412512957
-0.1675932	cg02827046	PATE2	11	0.00604081	0.508718839
-0.160128	cg20737028	PATE3	11	0.04795017	0.530078493
-0.1177933	cg09752271	PATE3;PATE3	11	0.02339674	0.777693717
-0.226362	cg11163555	PATZ1;PATZ1	22	0.0164558	0.303314278
-0.156154	cg11490745	PAX3;PAX3;P	2	0.02395463	0.716876776
-0.1132322	cg18170071	PAX4	7	0.00089849	0.269986386
-0.1006721	cg00318543	PAX5	9	0.02748403	0.761479769
-0.1278719	cg09791440	PAX7;PAX7;P	1	0.00113329	0.374541491
-0.1046594	cg20735988	PBLD;PBLD	10	0.01238904	0.318494783
-0.2166954	cg26558862	PBRM1;PBRM	3	0.0100674	0.727131795
-0.1970195	cg21853707	PBX1	1	0.02001956	0.710430424
-0.1683005	cg14031054	PBX1	1	0.00492484	0.619942694
-0.1675977	cg20765522	PBX2	6	0.01249204	0.565834422
-0.1377731	cg12660777	PBX2	6	0.02455499	0.492024678
-0.1317427	cg10738025	PBX4	19	0.02334082	0.495524483
-0.11889	cg27149567	PCBP3;PCBP3	21	0.03665404	0.497587638
-0.1051067	cg27329559	PCDH15;PCD	10	0.01698219	0.556644828
-0.1619223	cg15901722	PCDH24	5	0.0079548	0.258758812
-0.1331754	cg14369318	PCDH7	4	0.01867143	0.620131073
-0.1163663	cg05431842	PCDH7;PCDH	4	0.00596766	0.428375308
-0.1217508	cg10707081	PCDH9;PCDH	13	0.00086257	0.598873286
-0.1601433	cg25487047	PCDHA9;PCD	5	0.01891991	0.437430551
-0.1585085	cg11014124	PCDHGA4;PC	5	0.02251805	0.181270803
-0.2267696	cg16578636	PCGF5	10	0.01816087	0.661257143
-0.1060745	cg14205864	PCID2;PCID2;	13	0.01726233	0.6843212
-0.1390202	cg09378756	PCK2;PCK2	14	0.03285513	0.436750755
-0.1546134	cg01966277	PCLO	7	0.0050621	0.608191531
-0.1255831	cg21234538	PCNT	21	0.01915508	0.891186036
-0.1922511	cg20737505	PCSK2	20	0.00459977	0.625739315

-0.1094009	cg07869023	PCSK2	20	0.00224132	0.686756188
-0.2240038	cg14453145	PDCD1	2	0.01070704	0.526410105
-0.1447971	cg25954134	PDE11A	2	0.02801366	0.782617068
-0.1196222	cg05148373	PDE1A;PDE1	2	0.00543161	0.285762957
-0.2058365	cg24752644	PDE4D;PDE4	5	0.01306633	0.708225196
-0.1007621	cg23933216	PDE4DIP	1	0.0096033	0.425198561
-0.1211873	cg17457379	PDE4DIP	1	0.01811511	0.665616613
-0.1327089	cg10505902	PDE4DIP;PDE	1	0.02461899	0.708186492
-0.1412452	cg11164441	PDE6B;PDE6I	4	0.00186103	0.802838144
-0.1264588	cg12546582	PDE7B	6	0.04552382	0.821929396
-0.1112765	cg10706013	PDE9A;PDE9	21	0.0224438	0.414363601
-0.1010969	cg16375048	PDGFC	4	0.03992895	0.711568104
-0.1053928	cg18688704	PDGFC	4	0.0307719	0.422877441
-0.1219069	cg03020863	PDGFD;PDGF	11	0.00137659	0.602735761
-0.1134463	cg21363050	PDGFRA	4	0.04206319	0.386327973
-0.1310387	cg18214661	PDGFRL	8	0.01263836	0.367516124
-0.1504231	cg20449614	PDLIM2;PDLI	8	0.0181855	0.780212894
-0.114692	cg25581330	PDLIM3;PDLI	4	0.01642605	0.851291816
-0.1053414	cg02383173	PDLIM5;PDLI	4	0.02059754	0.644149623
-0.1010914	cg01916632	PDSS2	6	0.00449277	0.672594874
-0.1830622	cg22571544	PDZD2	5	0.0236151	0.489958601
-0.1805984	cg20210051	PDZRN4;PDZ	12	0.01257095	0.533262629
-0.1298996	cg04397884	PELI2	14	0.01894087	0.313386459
-0.1162484	cg01208566	PELI2	14	0.02218364	0.841252689
-0.1154995	cg08994060	PFKFB3	10	0.00792222	0.743662594
-0.1300047	cg05014727	PFKFB3	10	0.00693336	0.730613594
-0.1208734	cg26262157	PFKFB3	10	0.00864106	0.712797437
-0.1594676	cg07859439	PGAP1	2	0.00988003	0.833093414
-0.2913379	cg02956542	PGLYRP4	1	0.01095849	0.408423358
-0.145333	cg10517290	PGS1	17	0.0138302	0.710917839
-0.1267435	cg21216268	PHC3	3	0.03039378	0.746758843
-0.1055382	cg20870752	PHF14;PHF14	7	0.04028017	0.810422559
-0.161548	cg24667736	PHLDB2;PHLI	3	0.03680111	0.646044025
-0.1771114	cg21328779	PHLDB2;PHLI	3	9.60E-05	0.28174034
-0.1149412	cg26987660	PHOX2A	11	0.00132119	0.371262375
-0.2955275	cg09802835	PHOX2A	11	0.00154114	0.590025658
-0.1193959	cg02960777	PHTF2;PHTF2	7	0.03232617	0.829935156
-0.2199262	cg09304624	PI15	8	0.00499832	0.607757003
-0.145481	cg00961792	PIGR	1	0.00159297	0.587243806
-0.1418419	cg21723559	PIGT	20	0.03051672	0.764706262
-0.1659192	cg04287259	PIK3CD	1	0.00293257	0.823333157
-0.1176756	cg07805542	PIK3CD	1	0.03921308	0.330198198
-0.1002041	cg13214190	PIK3CG	7	0.03083036	0.786564628
-0.2047128	cg00604356	PIK3CG	7	0.0189422	0.389656151
-0.1210669	cg04610450	PIK3R2	19	0.00266267	0.782336731
-0.115361	cg01008154	PIK3R3;PIK3F	1	0.04177856	0.709084001

-0.1398413	cg01565508	PIK3R5	17	0.03935309	0.688190288
-0.1002156	cg21971206	PIK3R6	17	0.02039225	0.544531128
-0.110809	cg16268473	PIK3R6	17	0.01901948	0.552733378
-0.1721636	cg08697847	PIK3R6	17	0.0092796	0.517050027
-0.1647049	cg24092340	PIK3R6;PIK3F	17	0.03034423	0.722002824
-0.1552651	cg09209669	PIK3R6;PIK3F	17	0.00175762	0.472823102
-0.1661347	cg11969526	PIKFYVE;PIKF	2	0.03687131	0.790330295
-0.160048	cg01768814	PITPNC1;PITF	17	0.01541982	0.331918338
-0.1116869	cg05384139	PITPNM2	12	0.01845749	0.634304772
-0.1056203	cg19370653	PITX2;PITX2	4	0.00184551	0.233494339
-0.2759898	cg24005685	PITX2;PITX2	4	0.00718386	0.264419213
-0.2037493	cg21299542	PITX2;PITX2	4	0.00083256	0.248397587
-0.1648648	cg00692611	PITX2;PITX2	4	0.00350523	0.241102376
-0.1611835	cg06842954	PITX2;PITX2	4	0.00326092	0.617981731
-0.1505449	cg19829847	PITX2;PITX2	4	0.00805027	0.673431654
-0.1463504	cg01951086	PITX2;PITX2	4	0.00395086	0.442178607
-0.1192898	cg03943773	PITX2;PITX2	4	0.00233838	0.348789716
-0.1633782	cg09781994	PITX2;PITX2	4	0.0021646	0.528743461
-0.1419057	cg24925400	PITX2;PITX2	4	0.00900911	0.407046842
-0.1354228	cg03184290	PITX2;PITX2	4	0.00518363	0.511422032
-0.1119586	cg02725370	PITX2;PITX2	4	0.00140385	0.420482955
-0.1164194	cg19304088	PITX2;PITX2	4	5.08E-05	0.358879579
-0.1333742	cg26708319	PITX2;PITX2	4	0.00123473	0.44759457
-0.1886983	cg26831119	PITX2;PITX2	4	0.00444599	0.539272686
-0.2276681	cg09854515	PITX2;PITX2	4	0.00450576	0.665575446
-0.1688281	cg13891220	PITX2;PITX2	4	0.00128089	0.398253543
-0.1433847	cg05030680	PITX2;PITX2;l	4	0.01527162	0.451348134
-0.1326881	cg17507671	PITX2;PITX2;l	4	0.00509367	0.303509967
-0.1021904	cg13736376	PITX2;PITX2;l	4	0.00494834	0.312848927
-0.1251709	cg16184803	PITX2;PITX2;l	4	0.00431071	0.312273243
-0.1621208	cg13385016	PITX2;PITX2;l	4	0.04210046	0.674123442
-0.1204798	cg22717014	PITX2;PITX2;l	4	0.01635883	0.490934212
-0.1471642	cg03144922	PITX2;PITX2;l	4	0.00066504	0.739854453
-0.1278632	cg05835105	PITX2;PITX2;l	4	0.01350385	0.363921192
-0.1170078	cg08979895	PITX2;PITX2;l	4	0.01391913	0.528803433
-0.1249672	cg14308375	PITX2;PITX2;l	4	0.00297231	0.361155104
-0.146012	cg01371072	PITX2;PITX2;l	4	0.00168317	0.417031699
-0.1361639	cg10055501	PITX2;PITX2;l	4	0.00251006	0.704388349
-0.1079135	cg03972665	PITX2;PITX2;l	4	0.00067935	0.647814702
-0.1066101	cg21726372	PITX2;PITX2;l	4	0.00290093	0.674224864
-0.1242467	cg17929238	PITX2;PITX2;l	4	0.01022347	0.581946421
-0.1813381	cg20291436	PITX2;PITX2;l	4	0.00284739	0.482711369
-0.173597	cg22914729	PITX2;PITX2;l	4	0.0019814	0.507143791
-0.1470063	cg27398720	PITX2;PITX2;l	4	0.0004441	0.591749933
-0.1406832	cg03594078	PIWIL2;PIWIL	8	0.03697697	0.776166323
-0.1397378	cg12858593	PIWIL2;PIWIL	8	0.01459899	0.580708742

-0.1237086	cg00163702	PKD1L2;PKD1	16	0.00410441	0.782312252
-0.1216796	cg15490880	PKLR;PKLR	1	0.01883048	0.790686937
-0.1100122	cg20468939	PKN1;PKN1	19	0.04419105	0.698103548
-0.1023773	cg09270285	PKNOX2	11	0.00381868	0.494631042
-0.1004064	cg09950681	PKP3	11	0.01673457	0.720323702
-0.1427122	cg05048624	PLA2G2D	1	0.04740403	0.604025043
-0.1265134	cg22193393	PLA2G4E	15	0.02100575	0.637182844
-0.1707421	cg18981758	PLA2G6;PLA2	22	0.04268525	0.699237017
-0.1176817	cg19255783	PLAC8;PLAC8	4	0.04264638	0.618449805
-0.1514771	cg09920804	PLAT;PLAT	8	0.01867932	0.710910164
-0.1070815	cg04084348	PLAU;C10orf1	10	0.01586051	0.506480884
-0.1020405	cg14076977	PLCB2	15	0.00101034	0.486836918
-0.2081016	cg05547778	PLCB2	15	0.00023669	0.482977571
-0.1663745	cg21931938	PLCB2	15	0.00010668	0.409007028
-0.1100649	cg05884705	PLCB2;PLCB2	15	0.00320489	0.313950632
-0.1006667	cg24624873	PLCE1;PLCE1	10	0.00412884	0.66287175
-0.1968935	cg11932158	PLCH1	3	0.00628018	0.751917888
-0.2453991	cg26690511	PLCH1	3	0.01554749	0.763363615
-0.1172889	cg18623216	PLCH1;PLCH1	3	0.04679037	0.741949728
-0.1244578	cg16503724	PLCL2;PLCL2	3	0.00220945	0.43187313
-0.129377	cg21535931	PLEC1;PLEC1	8	0.02643209	0.755234601
-0.1239064	cg22258045	PLEC1;PLEC1	8	0.01610428	0.734741035
-0.1595021	cg07531549	PLEC1;PLEC1	8	0.03593957	0.745923338
-0.1378689	cg20784950	PLEC1;PLEC1	8	0.03318956	0.618362896
-0.1188918	cg13060970	PLEK;PLEK	2	0.00148459	0.653419756
-0.1135818	cg02861056	PLEK;PLEK	2	0.00127589	0.639503622
-0.1001906	cg04872689	PLEK;PLEK	2	0.00195431	0.656837993
-0.2189211	cg10812236	PLEK;PLEK	2	0.00166427	0.685024317
-0.1785934	cg02556345	PLEKHA1;PLE	10	0.02269625	0.579121815
-0.1207383	cg01073837	PLEKHA2	8	0.0002684	0.456877802
-0.1124258	cg24339032	PLEKHA6	1	0.0422978	0.695529871
-0.1045427	cg14945937	PLEKHF1	19	0.02422573	0.53586347
-0.1275568	cg16540391	PLEKHG1	6	0.02988717	0.461581439
-0.1018013	cg01767200	PLEKHG4B	5	0.03498571	0.866974092
-0.2114997	cg01429933	PLEKHG5;PLE	1	0.00345487	0.714217198
-0.1976401	cg07533239	PLEKHG6;PLE	12	0.01132985	0.655307524
-0.11642	cg11524454	PLEKHG7	12	0.00101428	0.580800871
-0.1122468	cg00186909	PLEKHG7	12	0.00619271	0.749369848
-0.2219993	cg05939149	PLEKHH2	2	0.03490096	0.836466319
-0.1170469	cg20105087	PLTP;PLTP	20	0.00250268	0.679335663
-0.1138383	cg05652225	PLXDC1	17	0.01275386	0.470855925
-0.1014713	cg02736746	PLXNA2	1	0.0128584	0.506672652
-0.1625714	cg16850690	PLXND1	3	0.01486949	0.757550983
-0.1467075	cg15213488	PMCHL1;CDH	5	0.0014783	0.508507822
-0.1461683	cg01117384	PMEPA1;PMI	20	0.0051787	0.438192444
-0.1458381	cg14422782	PML;PML;PV	15	0.01561759	0.689244086

-0.1161003	cg00587342	PMM1	22	0.03123756	0.622835163
-0.1670685	cg02133350	PMS2;PMS2	7	0.03175941	0.758549943
-0.1560795	cg12894984	PNMT	17	0.00283338	0.557258184
-0.1520094	cg03066788	PNOC	8	0.0060913	0.344928256
-0.1496987	cg22027204	PNPLA1;PNP	6	0.00157943	0.614106426
-0.1139981	cg13405631	PNPLA1;PNP	6	0.00486332	0.476285732
-0.113293	cg05673882	POLK	5	0.00064187	0.463966391
-0.2222573	cg19741167	POLR1A	2	0.0133082	0.357422671
-0.2022511	cg08279008	POLR1A	2	0.03322952	0.342057836
-0.1912448	cg04915044	POLR1A	2	0.03738527	0.333813967
-0.1805275	cg00201870	POM121L12	7	0.00158387	0.568380808
-0.1549212	cg21862081	POMT2	14	0.01095686	0.739255533
-0.1424696	cg20119798	PON1	7	0.02661824	0.639353683
-0.1045412	cg20748065	POR	7	0.03480153	0.826733384
-0.112378	cg10324703	POU6F2;POU	7	0.00789781	0.423384032
-0.1403938	cg18537222	PPARG;PPAR	3	0.04107849	0.821668925
-0.107568	cg17645677	PPARGC1B	5	0.00613843	0.270065295
-0.1958646	cg16007497	PPBPL1	4	0.04300287	0.692289286
-0.1388965	cg19769080	PPM1B	2	0.03396112	0.521837715
-0.1242756	cg20872072	PPM1G;PPM	2	0.04588774	0.754295807
-0.2078162	cg15016701	PPM1H	12	0.00458626	0.597803571
-0.1094512	cg20749955	PPP1R3B	8	0.01681993	0.489131513
-0.1261942	cg19335130	PPP2R2B;PPF	5	0.00069675	0.30195555
-0.1170746	cg22325673	PPP2R2C;PPF	4	0.00212896	0.572841231
-0.1638743	cg16616514	PPP2R2C;PPF	4	0.01180845	0.810697079
-0.1405144	cg20793532	PPP2R2C;PPF	4	0.04587371	0.425498617
-0.1175235	cg20910008	PPP3CC	8	0.0054314	0.862738539
-0.1030381	cg07323947	PPRC1	10	0.02977061	0.743802935
-0.1191364	cg08752433	PPTC7	12	0.02124436	0.837999731
-0.1508327	cg23878241	PPTC7	12	0.00444246	0.631123667
-0.1567694	cg27382409	PPYR1	10	0.00158381	0.476496608
-0.1038067	cg01556246	PRAGMIN	8	0.00023482	0.460535793
-0.2322593	cg14191279	PRAM1	19	0.00076573	0.333403109
-0.1052248	cg02212855	PRAP1;PRAP	10	0.00707096	0.373392591
-0.1107292	cg27345534	PRB1;PRB1;P	12	0.03773373	0.745560999
-0.1441539	cg02667677	PRDM1;PRDM	6	0.00400838	0.375832279
-0.1171195	cg08369079	PRDM1;PRDM	6	0.0089938	0.658473507
-0.1005484	cg08479635	PRDM11	11	0.01557929	0.64625435
-0.2788741	cg18512336	PRDM14	8	0.01572244	0.810616134
-0.1185916	cg19518104	PRDM14	8	0.02331332	0.740847409
-0.1056145	cg14642381	PRDM14	8	0.00699052	0.689452234
-0.2048158	cg08381918	PRDM15;PRC	21	0.00556698	0.879786028
-0.1367649	cg17001566	PRDM16;PRC	1	0.01204509	0.712627457
-0.1523509	cg05965745	PRDM16;PRC	1	0.0160568	0.762717971
-0.1013148	cg16386396	PRDM16;PRC	1	0.02100716	0.851370631
-0.1513036	cg06099439	PRDM16;PRC	1	0.04127524	0.854715969

-0.1133624	cg03082523	PRDM16;PRC	1	0.00965573	0.881891502
-0.1109866	cg26222332	PRDM16;PRC	1	0.04736523	0.700976522
-0.1636351	cg27187555	PRDM16;PRC	1	0.02360659	0.633019871
-0.1163359	cg20699701	PRDM16;PRC	1	0.03379734	0.635927224
-0.1117693	cg03527274	PRDM16;PRC	1	0.01362847	0.719531649
-0.1714601	cg04852443	PRDM16;PRC	1	0.0005335	0.642782173
-0.1969624	cg20236995	PRDM16;PRC	1	0.02663821	0.733844222
-0.1853415	cg01448098	PRDM16;PRC	1	0.01734389	0.716322059
-0.1819072	cg18759102	PRDM16;PRC	1	0.00203093	0.794517852
-0.140003	cg22726349	PRDM16;PRC	1	0.02802175	0.786343226
-0.1163434	cg01104489	PRDM16;PRC	1	0.00518132	0.728168616
-0.1121672	cg09321238	PRDM16;PRC	1	0.00190789	0.729146332
-0.2348305	cg03776662	PRDM6	5	0.00312523	0.336712486
-0.1037294	cg07056285	PRDM6	5	0.02530457	0.821056309
-0.1439509	cg07799386	PRDM6	5	0.0005621	0.439502685
-0.1678016	cg02300584	PRDM6	5	0.02608713	0.58383943
-0.1349243	cg02564291	PRDM6	5	0.00452251	0.691635735
-0.178274	cg05569742	PRDM6	5	0.01794149	0.608820239
-0.2382801	cg03729337	PRDM6	5	0.00017241	0.778219113
-0.1289657	cg05668996	PRDM6	5	0.00240818	0.642222367
-0.1185639	cg04503968	PRDM6	5	0.00178705	0.71792435
-0.1132919	cg01085125	PRDM6	5	0.01131525	0.67148917
-0.1483149	cg17786697	PRDM6	5	0.00081347	0.662354057
-0.141516	cg07741162	PRDM6	5	0.00014418	0.723448977
-0.1133915	cg09844573	PRIC285;PRIC	20	0.01565365	0.699309708
-0.1120566	cg15262954	PRIC285;PRIC	20	0.00429621	0.746964176
-0.102092	cg17593958	PRIC285;PRIC	20	0.03427423	0.743049239
-0.1364595	cg20584157	PRICKLE2	3	0.01767443	0.684215354
-0.1776068	cg03567939	PRKAG2;PRK	7	0.02714348	0.700625912
-0.1540545	cg12889538	PRKAG2;PRK	7	0.00716572	0.56826301
-0.1074384	cg12304937	PRKAR1B;PRI	7	0.00191734	0.727585003
-0.1018237	cg07689396	PRKAR1B;PRI	7	0.01275686	0.725328248
-0.1609519	cg06728793	PRKAR1B;PRI	7	0.00761185	0.747292026
-0.1379174	cg26780231	PRKCA	17	0.03007016	0.853383736
-0.1009629	cg04721825	PRKCA	17	0.01718676	0.75868463
-0.2149656	cg03503785	PRKCB;PRKCI	16	0.02968838	0.659491508
-0.1411429	cg09877009	PRKCQ	10	0.02587649	0.65100194
-0.1262307	cg01389728	PRKCQ	10	0.01324603	0.742531202
-0.1255558	cg03543319	PROKR1	2	0.00264449	0.508143212
-0.1634523	cg25501930	ProSAPiP1	20	0.04196782	0.630789557
-0.156839	cg05925291	PRPF31;TFPT	19	0.00562005	0.709790644
-0.1387491	cg14517133	PRPH2	6	0.02029345	0.793836103
-0.2444962	cg06526721	PRR16	5	0.01541094	0.424204261
-0.1591461	cg26115216	PRR23B	3	0.00555862	0.717631704
-0.1137827	cg06972695	PRR5;PRR5-A	22	0.00096211	0.364406689
-0.1234249	cg24019054	PRR5;PRR5;P	22	0.00092019	0.49228175

-0.1305216	cg22897615	PRRT1	6	0.04128027	0.659962693
-0.2380425	cg02925367	PRRT1	6	0.02604794	0.534921995
-0.2051793	cg14027333	PRRT1	6	0.00250572	0.35020631
-0.163369	cg21570988	PRRT1	6	0.00039229	0.698944191
-0.1543137	cg26849331	PRRT1	6	0.00034301	0.424896834
-0.1401641	cg21035875	PRRT1	6	0.00042729	0.682838556
-0.102358	cg14531663	PRRT1	6	0.00123771	0.75029771
-0.1015169	cg17626960	PRRT1	6	0.01696142	0.651786402
-0.2535571	cg09010107	PRRX1;PRRX2	1	0.03351827	0.873307947
-0.1622791	cg02897989	PRRX1;PRRX2	1	0.00632305	0.564797524
-0.1217486	cg11660018	PRSS23	11	0.01217474	0.655187718
-0.1127263	cg14133635	PRSS3	9	0.0061569	0.749202001
-0.1203519	cg22410499	PRSS3	9	0.03862751	0.771948246
-0.1200604	cg06599390	PRSSL1	19	0.02429852	0.587976189
-0.1192595	cg20633213	PRTFDC1	10	0.004992	0.837997653
-0.1245487	cg25181170	PRTFDC1	10	0.00297576	0.888461744
-0.1089255	cg17221584	PRTG	15	0.03777206	0.668805217
-0.1589844	cg23386659	PRTN3	19	0.00401483	0.498292277
-0.1207658	cg13914324	PRUNE2	9	0.01723874	0.496192326
-0.102716	cg13446199	PSCA	8	0.02743271	0.703546796
-0.1825209	cg16197388	PSG3	19	0.01056333	0.46204062
-0.1137556	cg06496546	PSG4;PSG4	19	0.00018414	0.333036329
-0.1452071	cg20193183	psiTPTE22	22	0.04431403	0.816047491
-0.1255098	cg23106844	PSMB4	1	0.01130945	0.758397862
-0.1001219	cg23750151	PSMB8;PSME1	6	0.04549872	0.79169713
-0.1157095	cg02657012	PSMB8;PSME1	6	0.02427882	0.899863197
-0.1234783	cg16483840	PSMB8;PSME1	6	0.02358283	0.78979932
-0.1615422	cg11706729	PSMB8;PSME1	6	0.02466785	0.733430139
-0.1184432	cg02567488	PSMB9;PSME1	6	0.00146863	0.422083952
-0.1505176	cg13791092	PSMF1;PSMF1	20	0.03173623	0.472677597
-0.1787503	cg07639783	PSMG3;KIAA	7	0.01698454	0.684526415
-0.1053529	cg18369034	PTGDR	14	0.00085179	0.588790559
-0.1015265	cg01091117	PTGER4	5	0.00300811	0.630025655
-0.1506333	cg16060930	PTGFRN	1	0.00495221	0.683866716
-0.1975263	cg15430294	PTGIR	19	0.00416346	0.671581321
-0.1757666	cg11641102	PTK2B;PTK2E	8	0.00025547	0.483624295
-0.1325887	cg21578195	PTK6	20	0.01825491	0.57166326
-0.188872	cg25143652	PTK6;PTK6	20	0.00132261	0.682902956
-0.1498504	cg20386404	PTPN14	1	0.00105519	0.433545471
-0.1098146	cg15702949	PTPN18;PTPN18	2	0.04796411	0.529130535
-0.1021822	cg07111834	PTPN22;PTPN22	1	0.01466328	0.768510024
-0.151381	cg14311559	PTPN6;PTPN6	12	0.01291495	0.678901035
-0.2530692	cg26842815	PTPN6;PTPN6	12	0.01863742	0.710612414
-0.1267719	cg25746134	PTPN7;PTPN7	1	0.02385241	0.768305714
-0.1517419	cg09887955	PTPN7;PTPN7	1	0.0025219	0.57980738
-0.1231947	cg07053114	PTPRE	10	0.00292054	0.569341523

-0.130911	cg07986469	PTPRE	10	0.00116356	0.537439727
-0.100325	cg01372366	PTPRJ;PTPRJ	11	0.02083477	0.799156247
-0.244621	cg22111167	PTPRJ;PTPRJ	11	0.02839025	0.774859402
-0.122774	cg05433557	PTPRN2;PTPF	7	0.00660162	0.768477793
-0.1060865	cg02956699	PTPRN2;PTPF	7	0.04445594	0.537883246
-0.1210564	cg11427314	PTPRN2;PTPF	7	0.02535835	0.3410126
-0.1497124	cg22337920	PTPRN2;PTPF	7	0.00056059	0.499212499
-0.1450371	cg02356647	PTPRN2;PTPF	7	0.03482098	0.744789076
-0.1338618	cg01818715	PTPRN2;PTPF	7	0.0001665	0.407541857
-0.1192238	cg00461149	PTPRN2;PTPF	7	0.00332444	0.448585432
-0.1138111	cg17429772	PTPRN2;PTPF	7	0.0068034	0.263883334
-0.1055134	cg13538299	PTPRN2;PTPF	7	0.00798031	0.740011206
-0.1463226	cg12600749	PTPRN2;PTPF	7	0.03819016	0.702418653
-0.1330214	cg12434889	PTPRN2;PTPF	7	0.00551246	0.377767151
-0.1194222	cg05144259	PTPRN2;PTPF	7	0.00638635	0.7713684
-0.1521782	cg25910519	PTPRN2;PTPF	7	0.039334	0.432279113
-0.2217817	cg22128328	PTPRN2;PTPF	7	0.03317419	0.494604661
-0.1307332	cg23385492	PTPRN2;PTPF	7	0.03091282	0.527370465
-0.1001996	cg04996300	PTPRN2;PTPF	7	0.0079037	0.560708404
-0.1243746	cg24842334	PTPRN2;PTPF	7	0.00808685	0.519025983
-0.1035728	cg03232056	PTPRN2;PTPF	7	0.0007601	0.448994328
-0.1657574	cg21900078	PTPRN2;PTPF	7	0.0033044	0.70740438
-0.1631314	cg14582691	PTPRN2;PTPF	7	0.00457136	0.737452776
-0.1236546	cg14468481	PTPRN2;PTPF	7	0.00277881	0.536191658
-0.1204172	cg03900492	PTPRN2;PTPF	7	0.00015308	0.588694593
-0.1564144	cg00914222	PTPRU;PTPRI	1	0.00172155	0.655128617
-0.2193908	cg02100997	PTPRU;PTPRI	1	0.00196766	0.520295443
-0.1051872	cg27196880	PTRF	17	0.00419732	0.771346804
-0.114448	cg17971837	PVALB	22	0.0283162	0.474965052
-0.1052912	cg07856761	PVALB	22	0.01398378	0.449434144
-0.1563055	cg25221207	PVRL1;PVRL1	11	0.03720287	0.553318057
-0.1231958	cg03402443	PWRN1	15	0.04363775	0.680777096
-0.1043749	cg08216099	PXDN	2	0.01355152	0.607900449
-0.160694	cg05556917	PXT1	6	0.03224765	0.704058518
-0.1041977	cg08293102	PYGL;PYGL	14	0.01365895	0.672909765
-0.136914	cg21962791	PYROXD1	12	0.02458798	0.512424262
-0.1394017	cg05732883	PYROXD2	10	0.00117905	0.823905404
-0.2102722	cg26712743	PYROXD2	10	0.0071742	0.567299028
-0.1299883	cg05713242	R3HCC1	8	0.03852941	0.402122878
-0.1036865	cg14774440	RAB11FIP1;R	8	0.02004662	0.888400543
-0.1518001	cg17960615	RAB31	18	0.00083484	0.734557264
-0.1016783	cg14066471	RAB37	17	0.00249388	0.295827564
-0.1940528	cg26366833	RAB37;CD30I	17	0.00859727	0.566052253
-0.1087154	cg21847347	RAB37;CD30I	17	0.03027132	0.744256864
-0.2552089	cg05506480	RAB6B	3	0.04817405	0.645241161
-0.19834	cg00448875	RAB6B	3	0.00693336	0.722587906

-0.1506684	cg10777887	RAB8B	15	0.0044016	0.778770679
-0.1478583	cg02747950	RAB8B	15	0.01082688	0.74717088
-0.1455351	cg15381475	RAC1;RAC1	7	0.00125005	0.826271245
-0.1215142	cg02152108	RAC2	22	0.01187959	0.588555489
-0.112637	cg06894612	RAD51L1	14	0.02200042	0.840799709
-0.1004891	cg25603108	RAD51L1;RAI	14	0.03295075	0.360596516
-0.2737298	cg08297686	RAD51L1;RAI	14	0.0032768	0.723824021
-0.2250297	cg20133901	RAD54L2	3	0.0062432	0.714256716
-0.2168249	cg14260083	RADIL	7	0.02990814	0.682726517
-0.2124523	cg12427317	RAI14;RAI14;	5	0.00451559	0.813076874
-0.207984	cg20322193	RALA	7	0.00643337	0.302029447
-0.204848	cg20842915	RALA	7	0.03322952	0.70140941
-0.1714026	cg06876354	RALB	2	0.00759445	0.612980465
-0.1566535	cg14083146	RALGAPA2	20	0.00021343	0.586796874
-0.147387	cg19382191	RAMP3	7	0.0145139	0.618914405
-0.1390158	cg08622666	RANBP9	6	0.00497183	0.802626064
-0.1389419	cg06205333	RAP1A;RAP1A	1	0.02422573	0.684377956
-0.1384528	cg03866192	RAP1GAP2;R	17	0.02752133	0.474554467
-0.1375925	cg09981407	RAP1GAP2;R	17	0.01213205	0.502161189
-0.127855	cg18553223	RAP1GAP2;R	17	0.00605544	0.653637144
-0.1276169	cg13784312	RAPGEF1	9	0.03646663	0.77544066
-0.1238514	cg13655250	RAPGEF1;RAI	9	0.01947949	0.61676176
-0.1210426	cg22900476	RAPGEF4	2	0.00461063	0.781673995
-0.1180916	cg11094248	RARA;RARA;f	17	0.00934837	0.773137196
-0.116426	cg07944862	RARA;RARA;f	17	0.01707844	0.69694838
-0.1151923	cg21646032	RARB;RARB	3	0.0203746	0.857006278
-0.1138244	cg14986890	RARRES1;RAI	3	0.03716817	0.401489633
-0.1128834	cg26181840	RASA3	13	0.00696501	0.924047002
-0.1115239	cg04402088	RASA3	13	0.00446668	0.792934897
-0.1105759	cg11686792	RASA3	13	0.0234129	0.565549644
-0.1085444	cg15972148	RASA3	13	0.01250402	0.827825759
-0.1068341	cg10976218	RASA3	13	0.01955655	0.670691267
-0.1066723	cg01811815	RASA3	13	0.00883308	0.796559735
-0.1058697	cg11288831	RASA3	13	0.00937294	0.761066007
-0.102811	cg16046375	RASA3	13	0.00228345	0.716159788
-0.100454	cg01616876	RASAL1	12	0.01764319	0.615374008
-0.1235527	cg16890739	RASAL1	12	0.00322144	0.534393269
-0.1078629	cg00404053	RASAL2;RAS	1	0.0145657	0.620133919
-0.1211058	cg05504085	RASAL3	19	0.00143752	0.427641875
-0.1328567	cg04707603	RASGRP3;RA	2	0.02689494	0.694994818
-0.1173704	cg01932734	RASSF1;RASS	3	0.00454754	0.593779296
-0.1423993	cg05989693	RASSF1;RASS	3	0.03854946	0.743972227
-0.1244099	cg13042575	RASSF3	12	0.03117339	0.440173812
-0.1931208	cg12691994	RASSF5;RASS	1	0.01385614	0.727461449
-0.1163703	cg25593159	RASSF5;RASS	1	0.01881042	0.826243513
-0.1974284	cg27035734	RASSF9	12	0.00144732	0.261456356

-0.1113251	cg06740227	RASSF9	12	0.000644	0.248464094
-0.1877163	cg10992219	RB1CC1;RB1C	8	0.0040228	0.755166629
-0.1270095	cg02311932	RBM24;RBM	6	0.01388174	0.416482698
-0.1476423	cg02066331	RBM24;RBM	6	0.01905044	0.533393526
-0.1604854	cg15168816	RBM24;RBM	6	0.00068256	0.394104707
-0.1410791	cg14466942	RBM24;RBM	6	0.00144583	0.661590012
-0.122175	cg27262236	RBM38;RBM	20	0.00648868	0.659754585
-0.1001366	cg22496683	RBM46	4	0.02175475	0.44532516
-0.1534946	cg00137234	RBM46	4	0.01384817	0.466930915
-0.1427104	cg27076223	RBM47	4	0.03497466	0.796636384
-0.1039834	cg22062068	RBMXL2	11	0.01665941	0.616369561
-0.1202316	cg02837128	RBPM5;RBPM	8	0.0100349	0.464383173
-0.14807	cg13707794	RCAN1;RCAN	21	0.03274521	0.622903857
-0.1048403	cg02552250	RCBTB2	13	0.00144933	0.641510854
-0.1371505	cg09829263	RCBTB2	13	0.00467735	0.653615116
-0.1331038	cg11093142	RCBTB2	13	0.00261673	0.830796327
-0.1180003	cg04275362	RCS1	1	0.01622719	0.860459425
-0.1012203	cg15676719	RCS1	1	0.00220544	0.732447203
-0.1401573	cg00658007	RD3;RD3;RD	1	0.04418929	0.801273635
-0.1524085	cg15359390	REG1P	2	0.00147013	0.64684942
-0.1363967	cg15692837	REG3A;REG3	2	0.00307609	0.53271229
-0.1307255	cg07184423	REPS1;REPS1	6	0.02367337	0.732128355
-0.1531044	cg02098619	RERE;RERE	1	0.00185834	0.643105451
-0.1232068	cg05045335	RERE;RERE;R	1	0.00525189	0.478121892
-0.1210045	cg20316440	RERE;RERE;R	1	0.03781117	0.538343084
-0.1021793	cg02346997	RETN	19	0.00987029	0.624352174
-0.1084236	cg03852656	RFC4;RFC4	3	0.02660008	0.773544166
-0.1366822	cg13672743	RFFL	17	0.00456507	0.469631681
-0.1190675	cg10464462	RFFL	17	0.00417998	0.667545303
-0.2055742	cg11184109	RFT1	3	0.02484499	0.533859732
-0.1973908	cg13026795	RFTN1	3	0.00171197	0.551506865
-0.1492117	cg00259834	RFTN1	3	0.000644	0.585985243
-0.1491883	cg04381957	RFTN1	3	0.00258393	0.727841467
-0.1289493	cg22693863	RFX1	19	0.02897518	0.662418813
-0.22806	cg05991009	RFX8	2	0.00529822	0.851267521
-0.118473	cg22489931	RGMA;RGMF	15	0.0086439	0.593199063
-0.1770643	cg15611912	RGS10	10	0.00628725	0.541787612
-0.1717499	cg17276535	RGS12;RGS1	4	0.00129714	0.409271307
-0.1644421	cg18944752	RGS12;RGS1	4	0.0197605	0.29518792
-0.137538	cg25461508	RGS14	5	0.00656922	0.337685628
-0.1354289	cg24028809	RGS17	6	0.01514112	0.699355761
-0.1864537	cg10299383	RGS20;RGS2	8	0.00987394	0.656670412
-0.210572	cg11993173	RGS20;RGS2	8	0.01936077	0.532631979
-0.1530512	cg13604445	RGS3;RGS3;R	9	0.00171542	0.421393971
-0.1030624	cg05111779	RGS6	14	0.02234245	0.556177489
-0.1579308	cg21899942	RGS6	14	0.02127053	0.705210201

-0.1377915	cg18515872	RGS6	14	0.00911881	0.582776864
-0.1351188	cg25329734	RGS9;RGS9;R	17	0.00029687	0.239753725
-0.1215097	cg14145159	RHOBTB2;RH	8	0.00696246	0.480215412
-0.1119759	cg24497361	RHOG	11	0.01744086	0.502747073
-0.1697614	cg07768107	RHOH	4	0.00587959	0.694918525
-0.1428139	cg16086237	RIMBP2	12	0.00284579	0.494254514
-0.1202126	cg23373401	RIMBP2	12	0.00731227	0.61591852
-0.1328524	cg05939560	RIMBP2	12	0.00110998	0.504616309
-0.1396965	cg00009196	RIN2	20	0.00011092	0.583059404
-0.1490812	cg02902617	RIN3	14	0.01068914	0.870226533
-0.1320096	ch.14.1488981	RIN3	14	0.01497958	0.449771443
-0.1674454	cg18712792	RNASE1;RNA	14	0.00143229	0.304612584
-0.1488557	cg10197238	RNASE1;RNA	14	0.0077358	0.659790691
-0.1445716	cg12940993	RNASE1;RNA	14	0.00147876	0.534312883
-0.1004844	cg18836485	RNASE1;RNA	14	0.00545547	0.744230088
-0.1604864	cg24851490	RNASE2	14	0.00813577	0.325157881
-0.1480819	cg18294707	RNASE2	14	0.00092951	0.414016141
-0.1079071	cg00502926	RNASE7	14	0.04105108	0.337761476
-0.1137738	cg01449715	RNASEH2B;R	13	0.02123142	0.612981357
-0.1715507	cg22730412	RNF11	1	0.0365257	0.635351304
-0.1375248	cg14272075	RNF126P1	17	0.02352705	0.824539298
-0.1244121	cg06418113	RNF165	18	0.01355967	0.578531029
-0.1183435	cg06788514	RNF166	16	0.01188724	0.523735829
-0.1120714	cg16789707	RNF166	16	0.00183412	0.452292419
-0.1068325	cg01981354	RNF170;RNF:	8	0.00233351	0.516815386
-0.1125727	cg23146741	RNF170;RNF:	8	0.03454353	0.857054741
-0.1107545	cg24820936	RNF19A;RNF	8	0.00253713	0.581347402
-0.1405916	cg11622162	RNF213;RNF:	17	0.00376223	0.717508001
-0.1745634	cg11519930	RNF220	1	0.02060927	0.550085054
-0.14847	cg01942845	RNU5E;RNU5	5	0.00159588	0.318476515
-0.1438178	cg02940147	ROBO3	11	0.01633522	0.495635861
-0.1202595	cg09684429	ROBO4	11	0.03076226	0.787808554
-0.202638	cg19764370	ROBO4	11	0.00987996	0.713750181
-0.1376992	cg02043679	ROBO4	11	0.00032077	0.452902947
-0.1049875	cg16143578	ROBO4;ROBO	11	0.00029687	0.691398021
-0.1217273	cg01393945	ROPN1L	5	0.01648236	0.779589605
-0.1500522	cg14244439	ROR2	9	0.00256827	0.818417315
-0.145257	cg20009332	RP1L1	8	0.00027402	0.234862326
-0.1076378	cg09154794	RPA2	1	0.03048053	0.882501266
-0.1286931	cg13538637	RPA3	7	0.04839906	0.486203569
-0.23321	cg18216249	RPAP3;RPAP:	12	0.00095023	0.485749248
-0.2069365	cg12681402	RPH3A;RPH3	12	0.01106838	0.215095014
-0.1059365	cg02938172	RPH3AL	17	0.04159142	0.705528471
-0.192932	cg20491963	RPL31P11	1	0.00966505	0.756077965
-0.182866	cg08014182	RPS18	6	0.03559265	0.626114036
-0.1418225	cg13271206	RPS3	11	0.04168135	0.880572648

-0.1361504	cg16490823	RPS6KA2	6	0.00018963	0.241011723
-0.1037246	cg03849851	RPS6KA2;RPS	6	0.01203213	0.759261194
-0.1609033	cg23002590	RPS6KA2;RPS	6	0.00280031	0.664951175
-0.1482505	cg15857379	RPS9	19	0.00440889	0.897942897
-0.2953228	cg26897081	RPS9	19	0.0338893	0.846297832
-0.2511894	cg24667756	RPTOR;RPTO	17	0.02431543	0.62899969
-0.2209146	cg26684776	RRAGD	6	0.02227119	0.72041005
-0.211693	cg24899545	RREB1;RREB1	6	0.03093011	0.562302684
-0.1822744	cg22335826	RREB1;RREB1	6	0.00041808	0.453878896
-0.149375	cg26932790	RRN3P1	16	0.00684002	0.32893435
-0.1238853	cg12132508	RRP15	1	0.00760558	0.671541054
-0.102213	cg10959651	RSAD2	2	0.01002915	0.59152403
-0.1511898	cg26668129	RSBN1	1	0.01603188	0.438766328
-0.1854394	cg24249648	RSPH3	6	0.00356152	0.772427074
-0.1487254	cg03569404	RSPO4;RSPO	20	0.02448547	0.557427589
-0.1779264	cg05879505	RTN4RL1	17	0.00100184	0.543866228
-0.1674461	cg19956836	RTN4RL2	11	0.03064325	0.495175013
-0.1239228	cg16570129	RUFY1;RUFY	5	0.01987447	0.86285206
-0.1333063	cg08443845	RUNX1	21	0.03132539	0.486523677
-0.168011	cg15091747	RUNX1	21	0.00140084	0.55512587
-0.1384749	cg19836199	RUNX1	21	0.00191872	0.638039814
-0.1308171	cg13030790	RUNX1;RUNX	21	0.00637775	0.2396303
-0.1233677	cg01519261	RUNX1;RUNX	21	0.00931647	0.606563303
-0.178419	cg04915566	RUNX1;RUNX	21	0.00210829	0.610984801
-0.1467149	cg22328837	RUNX2;RUNX	6	0.02656072	0.831930517
-0.1115805	cg22153728	RUNX3	1	0.00358506	0.672250253
-0.2625006	cg09993145	RUNX3	1	0.00015312	0.78673715
-0.1582056	cg04554131	RUNX3	1	0.02883355	0.669585339
-0.1375815	cg13461622	RUNX3;RUNX	1	0.00999459	0.807904344
-0.1169771	cg02127980	RXRA	9	0.00731024	0.671428583
-0.1344042	cg14236758	RXRA	9	0.00258308	0.785073024
-0.2454816	cg02987387	RYR1;RYR1	19	0.0121384	0.487964035
-0.1062284	cg10774802	RYR1;RYR1	19	0.00089898	0.738227764
-0.1588103	cg03181524	RYR1;RYR1	19	0.02330216	0.726757845
-0.1289863	cg01411912	S100A4;S100	1	0.02083811	0.632572144
-0.1388752	cg24691453	S100A4;S100	1	0.00038848	0.37659267
-0.1073077	cg13091627	S100A4;S100	1	0.00089065	0.538129174
-0.1139436	cg26303281	S100A5	1	0.01191441	0.357109002
-0.113828	cg21217846	S100A5	1	0.03173532	0.764513901
-0.1350841	cg24898863	S100A8	1	0.00222195	0.604490201
-0.1484579	cg03514239	S100A9	1	0.01617015	0.631740044
-0.1156531	cg26324978	S100Z;S100Z	5	0.00880302	0.362254619
-0.1881818	cg27121758	S1PR4	19	0.0329779	0.437708158
-0.1793323	cg20781880	S1PR4	19	0.00151456	0.443924332
-0.1480472	cg14742715	SAA1;SAA1	11	0.00059558	0.550821087
-0.1447836	cg15484375	SAA1;SAA1	11	0.00079533	0.530014785

-0.1326695	cg12907644	SAA2;SAA2	11	0.0050545	0.631447543
-0.1208391	cg09314984	SAFB	19	0.01165628	0.361371688
-0.1206284	cg08199953	SALL1;SALL1	16	0.01740518	0.604175384
-0.2554451	cg02507889	SALL3	18	0.00698852	0.772964712
-0.1741553	cg17018082	SAMD12;SAM	8	0.01712639	0.704551221
-0.158661	cg20466954	SAMD13;SAM	1	0.00056775	0.292664819
-0.1453524	cg21483922	SAMD14	17	0.01004736	0.843585389
-0.1349092	cg08986767	SAMD9;SAM	7	0.00033537	0.376987103
-0.1296554	cg01373248	SATB1	3	0.00264505	0.316914691
-0.1161914	cg04554576	SATB2	2	0.03532668	0.629748806
-0.1009825	cg06876053	SBF2	11	0.00667909	0.476707042
-0.1009702	cg14068721	SBK2	19	0.00546756	0.666840343
-0.1610136	cg01990184	SCARA5	8	0.01246868	0.651202609
-0.1866741	cg17297634	SCARA5	8	0.00312125	0.453659102
-0.1477105	cg15143938	SCARNA20;U	17	0.0389858	0.837466848
-0.1195042	cg03349134	SCGN	6	0.00245184	0.44571917
-0.1465283	cg12027068	SCHIP1	3	0.01305054	0.712641413
-0.1034691	cg18751231	SCHIP1	3	0.02419911	0.721531767
-0.2320379	cg20314918	SCN2A;SCN2	2	0.00152272	0.721240493
-0.2005716	cg07439618	SCN5A;SCN5	3	0.01917209	0.468540736
-0.1490952	cg13126638	SCNN1A	12	0.00105928	0.77169467
-0.1468853	cg09680149	SCNN1A	12	0.00185104	0.376491377
-0.1256633	cg20366549	SCNN1A;SCN	12	0.0187048	0.523852016
-0.1372923	cg05648303	SCOC;SCOC;S	4	0.00081604	0.633185987
-0.1367766	cg13201172	SCRIB;SCRIB	8	0.03152169	0.767517858
-0.1123447	cg11183307	SCRT2	20	0.01226109	0.686122213
-0.1531132	cg26736232	SCT	11	0.00554007	0.775845136
-0.1377645	cg10944063	SCTR	2	0.02809131	0.613216412
-0.1049624	cg06968788	SDC4P	22	0.04589384	0.740265093
-0.1572325	cg19510699	SDCBP2	20	0.03720197	0.474835944
-0.1170579	cg00295780	SDCCAG8	1	0.03378301	0.538639327
-0.1185497	cg08102516	SDK1	7	0.0143046	0.255260033
-0.1973163	cg17756105	SDK1	7	0.01354941	0.360998057
-0.1946582	cg25274735	SDK1	7	0.00252599	0.635648933
-0.1669008	cg27005946	SDK1	7	0.00063254	0.490315244
-0.1665394	cg16250868	SDK1	7	0.00851079	0.440506045
-0.1531206	cg04004830	SDPR	2	0.01138394	0.707306717
-0.1286088	cg16790374	SDR16C5	8	0.00036466	0.683828424
-0.1179049	cg04123409	SDS;SDS	12	0.00588996	0.409002374
-0.1559871	cg05149586	SDSL	12	0.00030589	0.371852149
-0.1191721	cg11348106	SEC14L1;SEC	17	0.00138064	0.873376921
-0.1019203	cg15193228	SEC14L3	22	0.03275894	0.66881579
-0.1046608	cg25750901	SEC14L3	22	0.00112295	0.41000368
-0.1009331	cg13855364	SEC16A	9	0.01130945	0.880900443
-0.1631	cg16511445	SEC22B	1	0.00775033	0.456392737
-0.1244278	cg25686812	SEC22C;SEC2	3	0.01480469	0.457362059

-0.1694683	cg16640599	SEC24D	4	0.03842438	0.762209786
-0.1213381	cg09043518	SECTM1	17	0.02466673	0.770652742
-0.1461751	cg09461545	SEL1L3	4	0.01848878	0.514767223
-0.1283913	cg19853494	SELL	1	0.00121139	0.512211801
-0.1509666	cg00159243	SELPLG	12	0.00749081	0.363125627
-0.1271529	cg22328644	SELPLG	12	0.00989094	0.700609651
-0.1067436	cg25165932	SELPLG	12	0.0005641	0.427892125
-0.1289202	cg21234471	SEMA4D;SEM	9	0.02661712	0.632208265
-0.1343137	cg01477253	SEMA4F	2	0.02870391	0.846761831
-0.1321871	cg17679604	SEMA6A	5	0.00472698	0.368525812
-0.1309825	cg20015689	SEMG1	20	0.03677459	0.620050674
-0.1611493	cg05474605	SEPP1;SEPP1	5	4.07E-05	0.419164058
-0.1355097	cg21542842	SEPT11	4	0.00038819	0.58612156
-0.1515155	cg00934987	SEPT4;SEPT4	17	0.00085636	0.534570195
-0.1460545	cg23343486	SEPT9;SEPT9	17	0.04177808	0.812758303
-0.1264939	cg22056755	SERAC1	6	0.00233838	0.82686051
-0.1278282	cg18939081	SERINC2	1	0.02714584	0.720181468
-0.104802	cg04368971	SERPINA11	14	0.02427243	0.592821915
-0.1695824	cg21007342	SERPINA11	14	0.00089553	0.630236328
-0.1209374	cg00777079	SERPINF1	17	0.02530845	0.685674693
-0.1160213	cg15448220	SETDB1;SETC	1	0.01937428	0.843890777
-0.1801336	cg08698159	SEZ6;SEZ6	17	0.02092426	0.57489341
-0.127563	cg05050042	SFRP2	4	0.01770208	0.859363315
-0.1068462	cg13732865	SFRP2	4	0.00296811	0.772094842
-0.1050102	cg01821854	SFRP2	4	0.02874966	0.369242311
-0.1006548	cg10790791	SFRP2	4	0.03446502	0.455965697
-0.1665283	cg05241277	SFRP2	4	0.00417563	0.834088803
-0.1671519	cg00705808	SFRP2	4	0.01605745	0.414683437
-0.1160587	cg04959480	SFRP2	4	0.00052359	0.780901642
-0.1319523	cg13357229	SFRP2	4	0.03561721	0.496507483
-0.1093957	cg10663078	SFRP2	4	0.01324336	0.753530539
-0.1842482	cg20727217	SFRP2	4	0.00688465	0.666286916
-0.1105101	cg21630608	SFRP2	4	0.00180549	0.60619303
-0.1977302	cg25187161	SFRS4	1	0.01232798	0.840942485
-0.1153728	cg01134967	SFTPA1;SFTP	10	0.00552218	0.779706418
-0.138574	cg20393620	SGK1	6	0.01835913	0.282239892
-0.1345253	cg04905719	SGK1	6	0.0002333	0.517605091
-0.1188832	cg09404376	SGK1;SGK1	6	0.00023272	0.431885584
-0.1083936	cg02904344	SGK1;SGK1;S	6	0.00147013	0.745999026
-0.1537831	cg01356824	SH2B3	12	0.00459254	0.451138248
-0.105838	cg26501657	SH2B3	12	0.00314809	0.743511582
-0.1485491	cg27003165	SH2D1B	1	0.00055312	0.482001346
-0.1041803	cg20839149	SH2D2A;NTR	1	7.47E-05	0.231947328
-0.1072907	cg06888746	SH3PXD2A	10	0.00372642	0.678442082
-0.1063112	cg18135683	SH3PXD2B	5	0.01544883	0.612082671
-0.1940976	cg16572224	SH3PXD2B	5	0.00312911	0.755433654

-0.1502841	cg19027424	SH3PXD2B	5	0.01041846	0.7985856
-0.1493442	cg09178384	SH3RF1	4	0.00202105	0.475961397
-0.1431355	cg20810222	SH3RF3	2	0.04634646	0.891016384
-0.1249801	cg16635948	SH3RF3	2	0.01472355	0.781588319
-0.1171032	cg16312514	SHANK2	11	0.02687144	0.80837099
-0.1019034	cg03482617	SHANK2	11	0.00156123	0.903105887
-0.1253268	cg04404381	SHANK2	11	0.00012742	0.568247633
-0.1349415	cg26645082	SHANK2	11	0.00033508	0.567570697
-0.1008899	cg13813366	SHISA3	4	0.0090576	0.846301067
-0.1701743	cg14831622	SHISA6	17	0.02807327	0.349342295
-0.1444236	cg26940328	SHISA6	17	0.00043254	0.256416276
-0.1058986	cg07631533	SHISA9	16	0.01060922	0.62027775
-0.1691914	cg03222834	SHISA9	16	0.01353714	0.709949973
-0.153671	cg27372422	SHKBP1	19	0.03913753	0.891304737
-0.1165484	cg12315391	SHOX2;SHOX	3	0.02817631	0.828477542
-0.1154767	cg04503593	SHROOM3	4	0.00829898	0.794597675
-0.104549	cg04461123	SHROOM3	4	0.02155581	0.851579572
-0.113135	cg11615509	SHROOM3	4	0.02379866	0.516074137
-0.1048114	cg19162496	SHROOM3	4	0.00150232	0.621963362
-0.1016841	cg20311846	SHROOM3	4	0.00088839	0.356975329
-0.1616185	cg27417997	SHROOM3;SI	4	0.00123194	0.512085564
-0.1088871	cg04029159	SIGIRR;SIGIRI	11	0.00111269	0.301518989
-0.1331813	cg02381385	SIGLEC12	19	0.00984979	0.607105416
-0.1418083	cg25969123	SIGLEC12;SIC	19	0.02792649	0.674683101
-0.1320491	cg12530021	SIGLEC12;SIC	19	0.00473801	0.480235414
-0.1172409	cg27086014	SIGLEC12;SIC	19	0.01082688	0.688238716
-0.1563748	cg23096558	SIGLECP3	19	0.02525645	0.550096994
-0.1145985	cg08861404	SIGLECP3	19	0.00030339	0.47021606
-0.1503755	cg21982437	SIGLECP3	19	0.00017449	0.382757686
-0.113553	cg00365692	SIGLECP3	19	0.01153834	0.635169699
-0.1318486	cg17610755	SIK1	21	6.98E-05	0.331259197
-0.106208	cg09458566	SIK3	11	0.03163744	0.651864683
-0.1784254	cg23588121	SIM1	6	0.00273444	0.663125406
-0.1302915	cg06246999	SIM1	6	0.00255765	0.433411353
-0.1614432	cg26701242	SIM2;SIM2	21	0.00928194	0.788288834
-0.2514214	cg26720125	SIM2;SIM2	21	0.00020418	0.367992602
-0.1101442	cg02194789	SIM2;SIM2	21	0.03818051	0.494148048
-0.1192524	cg19193931	SIM2;SIM2	21	0.0382926	0.831941666
-0.1442043	cg21697851	SIM2;SIM2	21	0.00185558	0.719081866
-0.1423269	cg02553516	SIM2;SIM2	21	0.00854671	0.79585496
-0.1241225	cg22711869	SIM2;SIM2	21	0.03189023	0.829887856
-0.2350847	cg22289831	SIM2;SIM2	21	0.00516536	0.61833138
-0.2257716	cg01090834	SIM2;SIM2	21	0.00954345	0.759901716
-0.1703531	cg27248980	SIM2;SIM2	21	0.00758458	0.608597015
-0.1373563	cg02701080	SIM2;SIM2	21	0.01221847	0.711237261
-0.1223153	cg15750546	SIM2;SIM2	21	0.00872019	0.691817741

-0.1157365	cg08066129	SIM2;SIM2	21	0.00034583	0.690981303
-0.1051744	cg19498960	SIM2;SIM2	21	5.07E-05	0.597174222
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-0.1377787	cg10456990	SIM2;SIM2	21	4.07E-05	0.693366479
-0.1111696	cg00698204	SIM2;SIM2	21	0.00012122	0.805226611
-0.1130074	cg24301930	SIPA1;SIPA1	11	0.00609815	0.854278544
-0.1434455	cg11803771	SIPA1;SIPA1	11	0.04277022	0.780294494
-0.1341279	cg04466898	SIPA1;SIPA1;	11	0.01495012	0.733569139
-0.2341363	cg14972228	SIPA1L3	19	0.00971346	0.364330945
-0.1725801	cg25799433	SIRPB1;SIRPE	20	0.00040403	0.295557521
-0.1609125	cg07571344	SIRPB2;SIRPE	20	0.00709912	0.807757291
-0.1452463	cg11934819	SIRPB2;SIRPE	20	0.00599741	0.693149913
-0.1377187	cg24757937	SIX1	14	0.01202884	0.754100239
-0.1029414	cg10397765	SIX1	14	0.03751849	0.420404057
-0.1411547	cg05106502	SKAP1;SKAP1	17	0.003325	0.644458179
-0.128519	cg26017930	SKI	1	0.00799312	0.465110857
-0.2973163	cg10404697	SKIV2L	6	0.04813947	0.81773197
-0.1227547	cg06340367	SLA2;SLA2	20	0.04315723	0.530243822
-0.1105309	cg08495185	SLA2;SLA2	20	0.00015136	0.318816871
-0.1918613	cg15844596	SLA2;SLA2	20	0.00686367	0.601399144
-0.1114149	cg03841065	SLA2;SLA2	20	0.0012815	0.539993518
-0.1637466	cg07598052	SLA2;SLA2	20	0.0004169	0.552029058
-0.1303972	cg21829239	SLAMF1	1	0.03173623	0.611538036
-0.1261728	cg01710351	SLAMF1	1	0.02094374	0.770685526
-0.1111478	cg18881723	SLAMF1;SLAF	1	0.04872162	0.680208885
-0.1770872	cg07837085	SLAMF7	1	0.00350153	0.744434275
-0.1544203	cg04275881	SLAMF8	1	0.00043245	0.445319763
-0.15028	cg21301505	SLAMF8;SLAF	1	0.02218888	0.56997904
-0.190869	cg06764092	SLAMF8;SLAF	1	0.00122333	0.629639847
-0.184522	cg07625783	SLAMF8;SLAF	1	0.00328902	0.533326223
-0.1834354	cg26417912	SLAMF9;SLAF	1	0.03188504	0.678722064
-0.1750431	cg18312429	SLC10A2;SLC	13	0.0211013	0.700365607
-0.1736981	cg19123916	SLC10A4	4	0.03679178	0.457626248
-0.1341206	cg18464823	SLC12A6;SLC	15	0.01230191	0.715429016
-0.1413817	cg21946374	SLC12A7	5	0.04317643	0.813092531
-0.1266599	cg20765441	SLC17A2	6	0.00047645	0.752118102
-0.1126386	cg13599248	SLC17A5	6	0.02979022	0.538507572
-0.1470809	cg11742202	SLC17A5	6	0.00011155	0.608368867
-0.1092874	cg21518089	SLC17A6	11	0.00023544	0.28261827
-0.1013435	cg17298751	SLC17A6	11	0.00427555	0.616020912
-0.1241219	cg15520443	SLC18A2	10	0.02497333	0.484913961
-0.184906	cg27368243	SLC19A1	21	0.0259464	0.446308195
-0.1055238	cg08258650	SLC1A2	11	0.00702829	0.650279761
-0.1139819	cg01823958	SLC1A7	1	0.03291272	0.523986439
-0.1025674	cg00532936	SLC1A7	1	0.02455499	0.646103304
-0.1018696	cg18105725	SLC22A1;SLC	6	0.01335615	0.602908135

-0.1219253	cg23190089	SLC22A18AS;	11	0.00087971	0.255220758
-0.120033	cg18458509	SLC22A18AS;	11	0.00297432	0.549524562
-0.1340541	cg10513992	SLC22A23;SL	6	0.00999057	0.905241167
-0.163927	cg15020894	SLC22A3	6	0.02352596	0.590338377
-0.1388901	cg19040266	SLC22A5	5	0.0435542	0.396455662
-0.1365015	cg19358520	SLC22A6;SLC	11	0.00944461	0.749582556
-0.120205	cg17945323	SLC22A8	11	0.01326514	0.726542791
-0.1697298	cg15572436	SLC22A8	11	0.00860385	0.460297872
-0.1578136	cg16146033	SLC22A8	11	0.0013554	0.316014853
-0.1669222	cg11107966	SLC24A4;SLC	14	0.00271886	0.437242875
-0.1478445	cg19811934	SLC24A4;SLC	14	0.00038862	0.610043319
-0.1282699	cg23558213	SLC25A17	22	0.0184798	0.345832913
-0.134545	cg05964212	SLC25A20	3	0.032781	0.803228251
-0.2072191	cg05043627	SLC25A29	14	0.00057145	0.251692141
-0.1529988	cg11088051	SLC25A3;SLC	12	0.00935374	0.501588454
-0.2289692	cg18865990	SLC25A30	13	0.04578625	0.766331199
-0.1177487	cg07659624	SLC25A37	8	0.02326767	0.683978093
-0.1816384	cg26365742	SLC25A40	7	0.00079296	0.467229629
-0.1112138	cg04996020	SLC26A3	7	0.01094288	0.787854526
-0.1044901	cg04292976	SLC26A9;SLC	1	0.04664156	0.610110826
-0.1616984	cg09852221	SLC26A9;SLC	1	0.00400545	0.655177324
-0.1950305	cg05028948	SLC27A2;SLC	15	0.01463671	0.806329166
-0.1731877	cg00421624	SLC27A3	1	0.01642456	0.711657079
-0.1470855	cg11452354	SLC29A1;SLC	6	0.00124012	0.343487697
-0.1856463	cg17217665	SLC29A1;SLC	6	0.00101776	0.504152281
-0.1380339	cg25602242	SLC2A5	1	0.00191872	0.72390469
-0.126544	cg04901835	SLC2A5;SLC2	1	0.01776729	0.258034302
-0.1241762	cg25788793	SLC2A9	4	0.00612411	0.384516042
-0.2126565	cg14959260	SLC2A9;SLC2	4	0.02818997	0.749206274
-0.1194648	cg03048902	SLC35D3	6	0.04235037	0.671871365
-0.1910497	cg06567290	SLC37A4;SLC	11	0.00408183	0.523327745
-0.1694637	cg21563683	SLC38A2	12	0.00302538	0.542015147
-0.1929581	cg11331445	SLC38A4;SLC	12	0.01232798	0.245748528
-0.1879084	cg25067702	SLC39A11;SL	17	0.00290846	0.385045415
-0.1306909	cg11761483	SLC39A11;SL	17	0.03108501	0.641613747
-0.1021714	cg04204452	SLC43A2	17	0.00427075	0.766134723
-0.1255046	cg22284058	SLC45A4	8	0.0322257	0.703406505
-0.1305442	cg06121226	SLC4A4;SLC4	4	0.00026318	0.597911477
-0.1696913	cg15972506	SLC6A1	3	0.01306633	0.683098516
-0.1472885	cg18170229	SLC6A12;SLC	12	0.0171449	0.443467215
-0.1368631	cg03139377	SLC6A12;SLC	12	0.0208505	0.51626085
-0.1042374	cg01629545	SLC6A18	5	0.02316567	0.667403339
-0.1377426	cg07010687	SLC6A19	5	0.02036909	0.712140336
-0.1352304	cg24756227	SLC6A3	5	1.72E-05	0.353747738
-0.1034455	cg10586672	SLC6A6;SLC6	3	0.04037287	0.724984783
-0.1013583	cg15155209	SLC6A6;SLC6	3	0.02183421	0.462637852

-0.288683	cg16032408	SLC6A6;SLC6	3	0.01119064	0.623116053
-0.135505	cg15454698	SLC6A6;SLC6	3	0.00202997	0.563358345
-0.1288026	cg08631357	SLC6A7	5	0.02337743	0.631406772
-0.1393961	cg02207200	SLC7A2	8	0.00290472	0.486628162
-0.1132721	cg08780166	SLC8A1;SLC8	2	0.02477701	0.407022708
-0.1010136	cg19015847	SLC8A1;SLC8	2	0.01017142	0.77524602
-0.1284062	cg00190355	SLC9A3	5	0.00203998	0.564156221
-0.1732636	cg25945642	SLC9A9	3	0.01981836	0.745062625
-0.1502827	cg13408795	SLC9A9	3	0.01791331	0.685397374
-0.1232862	cg27614723	SLCO3A1;SLC	15	0.00361918	0.614978453
-0.1133306	cg27132471	SLCO3A1;SLC	15	0.00079617	0.21310961
-0.1056992	cg22260869	SLCO3A1;SLC	15	0.00208415	0.770065952
-0.2269561	cg02107844	SLCO3A1;SLC	15	0.00210851	0.508451947
-0.1531537	cg12864568	SLCO4C1	5	0.00436701	0.3622279
-0.160221	cg18193259	SLIT1	10	0.01886003	0.59148587
-0.1448288	cg07290920	SLIT2	4	0.01261404	0.665361901
-0.1129835	cg23480341	SLPI	20	0.00589897	0.242279436
-0.1411184	cg12966875	SLPI	20	0.00082372	0.574305199
-0.1854467	cg25594736	SMAD3	15	0.00963967	0.604449257
-0.2147211	cg10017293	SMAGP;DAZ1	12	0.02330566	0.670543605
-0.1417581	cg26042300	SMAP2	1	0.01675637	0.220408143
-0.1305151	cg26061357	SMARCD3;SM	7	0.00618397	0.727801968
-0.1908793	cg00700039	SMCHD1	18	0.00908821	0.696720834
-0.2543098	cg26927232	SMG6;SMG6	17	0.01591096	0.855446496
-0.1405492	cg15816464	SMG6;SMG6	17	0.00261306	0.582596896
-0.1278215	cg07058377	SMG6;SMG6	17	0.01168792	0.437995745
-0.123716	cg23403980	SMG6;SMG6	17	0.003013	0.539471444
-0.1423592	cg02858512	SMG6;SMG6	17	0.00312129	0.693819117
-0.1170732	cg05509228	SMOC2;SMO	6	0.011162	0.645647333
-0.1167407	cg18101028	SMR3A	4	0.02018742	0.847241846
-0.25344	cg01720228	SMTNL2;SMI	17	0.03380893	0.545958189
-0.141678	cg24407596	SMURF1;SMI	7	0.00545723	0.786936762
-0.1399325	cg25025181	SMYD3;SMYI	1	0.02737852	0.860552938
-0.2778331	cg01966878	SNCA;SNCA;S	4	0.00814686	0.590104497
-0.2285404	cg11308170	SNORA1;SNC	11	0.0086808	0.728237525
-0.192995	cg16490124	SNORA14B;T	1	0.03590084	0.22046902
-0.183628	cg23792952	SNORD115-1	15	0.00152272	0.359410615
-0.1812185	cg22407942	SNORD93	7	0.02737301	0.444560189
-0.1749383	cg03906075	SNORD93	7	0.00470162	0.843158937
-0.1648861	cg22259765	SNRPN;SNRP	15	0.01473459	0.298629337
-0.149455	cg07770866	SNTB1	8	0.00037773	0.186523959
-0.1482122	cg05472059	SNTG2	2	0.01061799	0.6173166
-0.1426522	cg07196571	SNX22	15	0.01967367	0.767129288
-0.1372114	cg22208536	SNX25	4	0.01439578	0.441700752
-0.1366101	cg19133466	SNX29	16	0.02209109	0.849075294
-0.1325233	cg20710635	SNX3;SNX3	6	0.00215079	0.331720439

-0.1300752	cg20465954	SOAT2	12	0.00325322	0.547619937
-0.1256112	cg13096007	SOD3	4	0.00478875	0.651207156
-0.1228819	cg27312979	SORBS1;SORI	10	0.00347811	0.81619078
-0.1226033	cg16177556	SORBS2	4	0.01937419	0.382799805
-0.1208263	cg17006136	SORBS2;SORI	4	0.01539401	0.787969024
-0.117871	cg23836747	SORBS2;SORI	4	0.01344481	0.742003118
-0.1113137	cg10411272	SORBS2;SORI	4	0.03681634	0.602825564
-0.109123	cg20365580	SORBS3	8	0.00263745	0.714587465
-0.1052851	cg20729813	SORCS2	4	0.00237185	0.529481196
-0.1038255	cg10671830	SORCS2	4	0.02919514	0.856164336
-0.1036246	cg05573434	SORCS2	4	0.01514852	0.650315902
-0.2496582	cg22357679	SORCS2	4	0.01364655	0.508142944
-0.2768093	cg00387964	SORCS2	4	0.01069746	0.783146171
-0.1616305	cg04471151	SORCS3	10	0.03055487	0.322285601
-0.1910692	cg14239983	SORL1	11	0.0038687	0.309894677
-0.1331943	cg03055520	SORL1	11	0.00674199	0.756542394
-0.1241563	cg17510957	SORL1	11	0.01756936	0.733131611
-0.1326875	cg05075579	SORL1	11	0.00048643	0.744186341
-0.1561236	cg11287987	SOST	17	0.00566325	0.336592395
-0.1281466	cg15721584	SOX2OT	3	0.0381182	0.861425591
-0.1123533	cg10825530	SOX6;SOX6,S	11	0.01460449	0.780146203
-0.1346107	cg14992524	SOX7	8	0.01411676	0.683689592
-0.1069762	cg22272840	SOX7	8	0.00150232	0.679476241
-0.1318356	cg11606261	SP1;SP1	12	0.00469002	0.592846507
-0.1312585	cg13278004	SP140L	2	0.00082168	0.242811969
-0.1065351	cg24044052	SP140L	2	0.00570517	0.445933671
-0.1026052	cg25095994	SP140L	2	0.0043771	0.439983866
-0.1283583	cg20556951	SP6	17	0.00452553	0.737105836
-0.1445169	cg17733447	SP6	17	0.01508623	0.732652183
-0.1221299	cg08974244	SP6	17	0.00284039	0.46696527
-0.1010403	cg05730975	SPAG16	2	0.00988647	0.541101741
-0.1219018	cg09282654	SPAM1;SPAM	7	0.00710376	0.434439956
-0.1236195	cg05660881	SPATA13;SPA	13	0.01228437	0.845867308
-0.1174865	cg15826426	SPATA8	15	0.00522133	0.8345407
-0.1813778	cg20520888	SPATC1;SPAT	8	0.02169872	0.586023543
-0.1741648	cg14669524	SPATS1	6	0.02724273	0.516373269
-0.1496661	cg14774117	SPATS1	6	0.00515849	0.512899782
-0.1344411	cg06712013	SPATS2	12	0.005904	0.715427568
-0.1107568	cg17285709	SPEG	2	0.03911232	0.836808714
-0.1737218	cg01727145	SPEG	2	0.00656295	0.797098879
-0.2120424	cg16440561	SPEG	2	0.00219403	0.876515277
-0.137907	cg25008858	SPEG	2	0.01195297	0.527266698
-0.1023172	cg03394909	SPEG	2	0.00369365	0.570226005
-0.1751573	cg23101680	SPERT	13	0.00669998	0.618160004
-0.1012631	cg00214970	SPHKAP;SPHI	2	0.00961974	0.663069245
-0.1790898	cg21579147	SPINK2	4	0.01346	0.436656035

-0.1293226	cg20734569	SPINK8	3	0.00901402	0.386794008
-0.103372	cg19261810	SPINT2;SPIN1	19	0.02934235	0.600638306
-0.2385072	cg08480068	SPN;SPN	16	0.00860922	0.819836908
-0.2197264	cg01681367	SPN;SPN	16	0.00393952	0.816051474
-0.2179814	cg02030929	SPN;SPN	16	0.00705592	0.75581345
-0.1916353	cg10126903	SPN;SPN	16	0.02350951	0.502807309
-0.1702621	cg23083984	SPN;SPN	16	0.00521231	0.492998454
-0.1633972	cg16644366	SPN;SPN	16	0.00051312	0.438197099
-0.1599381	cg26691434	SPN;SPN	16	0.02021853	0.707416526
-0.1556343	cg18998172	SPOCK1	5	0.01093528	0.694902389
-0.1498171	cg20261167	SPP1;SPP1;Sf	4	0.00396286	0.429453453
-0.1456138	cg06101324	SPRR1A	1	0.00031202	0.436352044
-0.125258	cg00891995	SPRR2C	1	0.02786663	0.475933962
-0.1075274	cg02713162	SPRY4;SPRY4	5	0.00263745	0.648575481
-0.1030171	cg07200877	SPRYD5	11	0.0023929	0.395298358
-0.1005847	cg11622008	SPSB4	3	0.00416887	0.620328958
-0.2301445	cg24608504	SPTBN1	2	0.03619915	0.876706066
-0.2277521	cg24544082	SPTBN1	2	0.02594772	0.833997481
-0.1815263	cg24171453	SPTLC2	14	0.00613289	0.655538177
-0.1763247	cg21107103	SPTY2D1	11	0.04976292	0.765615903
-0.1542729	cg01626885	SQRDL	15	0.01110617	0.567248023
-0.1362635	cg19701531	SRCRB4D;ZP3	7	0.02473698	0.383317107
-0.1226391	cg27407935	SREBF1;SREB	17	0.03042257	0.340160275
-0.1222771	cg16928487	SREBF1;SREB	17	0.0069009	0.449871651
-0.1161404	cg01668352	SRGAP1	12	0.00436081	0.855101638
-0.1011373	cg05733104	SRGAP3;SRG	3	0.01719055	0.839169763
-0.1007004	cg02851793	SRGN	10	0.03447507	0.704577495
-0.1006697	cg27395226	SRPK2	7	0.02950243	0.793779005
-0.1475145	cg09895325	SRRM1	1	0.00200411	0.496337169
-0.185847	cg07090356	SS18;SS18	18	0.04245023	0.648332011
-0.1405194	cg19963589	SSBP3;SSBP3	1	0.00627842	0.711674797
-0.120165	cg01996567	SSPO	7	0.03737964	0.457237888
-0.1191847	cg24119990	SST	3	0.0386161	0.670281914
-0.1091532	cg22110158	ST14	11	0.01300324	0.676876729
-0.1082593	cg09586924	ST14	11	0.00035151	0.392285888
-0.1061951	cg18980148	ST3GAL1;ST3	8	0.00420866	0.537751205
-0.100246	cg25723459	ST3GAL4	11	0.01497823	0.749814804
-0.2312424	cg24969820	ST3GAL6	3	0.00502511	0.538751813
-0.1686296	cg19019345	ST5	11	0.00920513	0.724728167
-0.1617401	cg23195547	ST5;ST5;ST5	11	0.04078977	0.630008965
-0.1544956	cg08726522	ST5;ST5;ST5	11	0.00301135	0.295758848
-0.138453	cg26550194	ST6GALNAC1	17	0.02233218	0.631794707
-0.1212362	cg07168526	ST7;ST7	7	0.00139778	0.834847608
-0.1187865	cg14871870	ST8SIA1	12	0.00280079	0.704389319
-0.1155531	cg02369052	ST8SIA2	15	0.00589639	0.740628285
-0.1149699	cg02980023	STAB1	3	0.01751398	0.56810055

-0.1205027	cg24112733	STARD3NL	7	0.00044209	0.436400912
-0.1663835	cg17833746	STAT3;STAT3	17	0.02281537	0.861282792
-0.110327	cg24718015	STAT3;STAT3	17	0.00311671	0.645482632
-0.1822352	cg16777510	STAT5A	17	0.00035687	0.465018419
-0.1524312	cg18651932	STBD1	4	0.02051741	0.417350592
-0.2229753	cg25440680	STBD1	4	0.00314809	0.469806031
-0.116754	cg07719679	STEAP4	7	0.00012312	0.192122031
-0.1111911	cg14143752	STIM1	11	0.00351121	0.812563899
-0.1080711	cg14394126	STIM2;STIM2	4	0.02621259	0.68056995
-0.1049198	cg25650256	STK10	5	0.00783466	0.330625171
-0.173913	cg21920221	STK10	5	0.01018454	0.746046431
-0.12975	cg14462124	STK17B	2	0.00415102	0.834409752
-0.1008637	cg18233544	STK32C	10	0.00510754	0.638680443
-0.1824054	cg12237948	STK35	20	0.00194303	0.4248397
-0.1632379	cg17104026	STK4	20	0.00278385	0.5486282
-0.1246824	cg27326514	STMN2	8	0.00331104	0.488091997
-0.1196749	cg07496457	STOX2	4	0.02027859	0.800703041
-0.1169085	cg01712428	STX1A;STX1A	7	0.00240411	0.393305471
-0.147476	cg01631215	SUCLG2	3	0.04322863	0.828697413
-0.1018291	cg07073960	SULF1;SULF1	8	0.00328272	0.35039885
-0.1169364	cg04845579	SULF1;SULF1	8	0.04976166	0.545672649
-0.1417939	cg02283643	SULF1;SULF1	8	0.03424379	0.285985581
-0.1931458	cg12181083	SULF1;SULF1	8	0.01062724	0.528726065
-0.1331783	cg22472023	SULT2A1;SUL	19	0.00545547	0.325137068
-0.1187104	cg10262032	SULT2B1;SUL	19	0.0099619	0.487074084
-0.1147035	cg01946401	SUPT3H;SUP	6	0.01627456	0.777621374
-0.1114664	cg03940484	SV2B;SV2B	15	8.27E-05	0.397037654
-0.1021729	cg00593008	SV2C	5	0.02904297	0.604880871
-0.1102988	cg25661049	SV2C	5	0.00329271	0.623716813
-0.102528	cg05814312	SVIL;SVIL	10	0.01722743	0.42210111
-0.2339702	cg06537575	SVOPL;SVOPI	7	0.03564816	0.70651925
-0.2546526	cg17173451	SVOPL;SVOPI	7	0.00566919	0.581826918
-0.1461187	cg09976669	SWAP70	11	0.04486967	0.529227296
-0.2086639	cg03310376	SYN2	3	0.01061017	0.472065783
-0.2020328	cg14994183	SYN2;SYN2	3	0.00760769	0.305848357
-0.1470678	cg20476019	SYN3;SYN3;S	22	0.00238262	0.695817775
-0.1021678	cg05342835	SYNC;SYNC	1	0.00892209	0.708183172
-0.1216338	cg14079545	SYNGAP1	6	0.02331988	0.678696758
-0.1779444	cg03467087	SYNJ2	6	0.01112347	0.683114084
-0.1288975	cg12002139	SYNJ2	6	0.00667522	0.783319615
-0.145108	cg11569478	SYNPO2;SYN	4	0.02049237	0.661041511
-0.1136111	cg20515580	SYT12	11	0.0037608	0.353713023
-0.1323481	cg09597390	SYT9	11	0.02749431	0.625756516
-0.1569277	cg08122156	SYT9	11	0.02685208	0.841666144
-0.1166495	cg21672572	SYT9	11	0.01315151	0.435619473
-0.1633168	cg15957341	SYT9	11	0.00112164	0.466743265

-0.1520416	cg12691330	SYTL3	6	0.02105796	0.833698276
-0.1091484	cg11065271	SYTL3	6	0.01357933	0.69248824
-0.3526755	cg03003434	SYTL3	6	0.01290849	0.83844657
-0.2154348	cg00370106	SYTL3;SYTL3	6	0.02380976	0.503962853
-0.17732	cg10657228	T-SP1	8	0.00658735	0.583353218
-0.1276422	cg14284618	TACC1	8	0.00253125	0.308773457
-0.1204782	cg15299510	TACC1	8	0.03474546	0.461602067
-0.1119273	cg11888747	TADA3	3	0.00492318	0.747700249
-0.1095179	cg15217044	TAGAP;TAGA	6	0.00078633	0.431262128
-0.1004609	cg05262335	TAGAP;TAGA	6	0.0068169	0.551517298
-0.1427165	cg22339338	TAGLN2	1	0.01246317	0.300896064
-0.1333156	cg15641364	TAGLN2	1	0.00446837	0.691204989
-0.1877166	cg25709789	TAOK1	17	0.00707175	0.773021277
-0.129159	cg17626301	TAP1	6	0.00910392	0.778852985
-0.172379	cg10666909	TAP1	6	0.00476782	0.565144571
-0.136821	cg02756056	TAP1;PSMB8	6	0.00505441	0.624764171
-0.1223794	cg13165140	TAP1;PSMB8	6	0.04886364	0.766087577
-0.2451065	cg12253437	TAP1;PSMB8	6	0.0217048	0.807064362
-0.1531854	cg05693489	TAP1;PSMB8	6	0.02702235	0.792339035
-0.104664	cg05592483	TAP2;TAP2	6	0.0372549	0.417915001
-0.1115218	cg24131538	TAPBPL	12	0.00259708	0.550380213
-0.1433761	cg15605096	TAS1R2	1	0.01964721	0.516143155
-0.1578163	cg05862438	TAS2R40	7	0.00920094	0.789916954
-0.1125634	cg10251217	TAT	16	0.00790963	0.815317638
-0.1261397	cg11791526	TBC1D10C	11	0.00197797	0.500555788
-0.1030641	cg00862408	TBC1D10C	11	8.11E-05	0.608099303
-0.1527021	cg14647287	TBC1D14;TBK	4	0.0273803	0.805154722
-0.1455864	cg15437231	TBC1D15;TBK	12	0.00866003	0.536141817
-0.15934	cg02348119	TBC1D16	17	0.00583804	0.826163044
-0.1145899	cg13709496	TBC1D2	9	0.04886373	0.722970716
-0.1495519	cg20059377	TBC1D2B;TBK	15	0.00705765	0.354160538
-0.1079409	cg19016694	TBCD	17	0.01673597	0.712915031
-0.1462013	cg07888957	TBCD	17	0.01138656	0.580067023
-0.1768354	cg15081723	TBCE;TBCE	1	0.01756936	0.366658093
-0.1223946	cg04254487	TBPL1	6	0.02605996	0.752505083
-0.1013304	cg14557487	TBR1	2	0.00089229	0.485676001
-0.1288948	cg04679902	TBX1;TBX1;T	22	0.02100902	0.621538584
-0.1462028	cg27027242	TBX2	17	0.01976609	0.720117633
-0.1218939	cg01913455	TBX2	17	0.01041302	0.424399681
-0.1080103	cg03753391	TBX2	17	0.02697039	0.620412159
-0.1543346	cg11631427	TBX2	17	0.00449258	0.760841379
-0.1185851	cg10308654	TBX2	17	0.00022105	0.693252873
-0.1370842	cg11062079	TBX4	17	0.00541486	0.769687898
-0.110877	cg04794141	TC2N	14	0.02077378	0.325430413
-0.1048277	cg19903805	TC2N;TC2N	14	0.01052231	0.86229753
-0.1423831	cg18805457	TCERG1;TCF	5	0.02186618	0.816714042

-0.1662572	cg17004653	TCERG1L	10	0.0247664	0.492591269
-0.1554115	cg01062443	TCF3;TCF3	19	0.00418379	0.383447786
-0.1626859	cg18842107	TCF7L2;TCF7	10	0.00539473	0.834760423
-0.1523042	cg03683087	TCF7L2;TCF7	10	0.04893451	0.250391658
-0.2072066	cg05402891	TCL1B;TCL1B	14	0.02334826	0.462434716
-0.1534224	cg03852551	TCP10L2	6	0.00692158	0.293725918
-0.1341459	cg23346134	TCTA	3	5.42E-05	0.35969767
-0.1703338	cg02097120	TDRD10;TDR	1	5.33E-05	0.252455503
-0.1577958	cg09861057	TDRD10;TDR	1	0.03144462	0.461290317
-0.2025184	cg08426066	TDRD6;TDRD	6	0.00841933	0.63215674
-0.1303263	cg21198586	TEAD1	11	0.00231134	0.403929383
-0.1411323	cg17249224	TERT;TERT	5	0.04632843	0.675883793
-0.1757344	cg06768361	TESC;TESC;TE	12	0.01930262	0.815995709
-0.100241	cg00864012	TEX2	17	0.00259257	0.721385463
-0.1089902	cg00804338	TFDP1;TFDP1	13	0.00083664	0.203576066
-0.1934516	cg08053935	TFEB;TFEB	6	0.01475177	0.455359979
-0.1712395	cg15339605	TFEC;TFEC;TF	7	6.04E-06	0.46470176
-0.1203548	cg11947187	TG	8	0.04813254	0.52483372
-0.1197702	cg24804707	TG;SLA;SLA	8	0.04790321	0.856925889
-0.2095372	cg08911152	TG;SLA;SLA	8	0.01140709	0.389531462
-0.1934041	cg11883141	TG;SLA;SLA	8	0.01717877	0.636661754
-0.1366599	cg12136514	TG;SLA;SLA	8	0.00547147	0.588968281
-0.1347478	cg27540367	TGFB1	19	0.0118102	0.748116379
-0.1228531	cg15735736	TGFB1	19	0.01311738	0.342122127
-0.1169431	cg09417692	TGFBR2;TGFI	3	0.00522133	0.623024052
-0.112154	cg00857921	TGFBR3	1	0.00904863	0.557989499
-0.1040451	cg02061431	TGFBR3	1	0.00540796	0.51864315
-0.1599018	cg04204669	TH;TH;TH	11	0.02397879	0.704185587
-0.1343973	cg08685909	TH1L	20	0.00080174	0.421574686
-0.1109036	cg23105419	THADA;THAC	2	0.01111785	0.821218766
-0.180232	cg13869942	THEM4	1	0.04423308	0.565444553
-0.1350801	cg11344950	THEM5;THEM	1	0.00688915	0.755303561
-0.1490206	cg22134162	THOC7	3	0.015009	0.29909335
-0.1404068	cg26648185	TIAM1	21	0.01878775	0.700985722
-0.1189182	cg08333616	TIMD4;TIMD	5	0.01151368	0.468455179
-0.1116038	cg00466492	TIMM44;CTX	19	0.02265371	0.582185868
-0.1540045	cg08282960	TIMM8B;C11	11	0.02600333	0.859387246
-0.1905784	cg04397137	TIMP2	17	0.04882141	0.80691142
-0.1585739	cg14255824	TJP2;TJP2;TJF	9	0.00688465	0.768850548
-0.1241707	cg00695112	TJP2;TJP2;TJF	9	0.016036	0.459672844
-0.1068901	cg07512993	TK2	16	0.01063083	0.575757711
-0.1058365	cg02934719	TK2	16	0.02912124	0.770998886
-0.1546188	cg10472651	TK2	16	0.02102669	0.586837054
-0.1349847	cg00748718	TKT;TKT;TKT	3	0.00350029	0.628024082
-0.1561681	cg25840354	TLR10;TLR10	4	0.00991042	0.389726083
-0.1234784	cg23039250	TLR5	1	0.04882141	0.480085628

-0.1192865	cg22496559	TM4SF19	3	0.00089898	0.85509196
-0.1876307	cg23250593	TM4SF19	3	0.03849755	0.607743241
-0.1387778	cg21845080	TM4SF19	3	0.03785297	0.583544169
-0.1552016	cg01883662	TM4SF19	3	0.00876577	0.708954637
-0.1476241	cg15044270	TM4SF19	3	0.0009756	0.388106971
-0.1345131	cg21090033	TM4SF19	3	0.00303036	0.780648292
-0.1762458	cg13314965	TM4SF19	3	0.00408283	0.787185712
-0.1374974	cg25045893	TM6SF1;TME	15	0.03338702	0.702302941
-0.1837151	cg02641539	TM7SF4	8	0.00650476	0.334037232
-0.1085906	cg04728919	TMC2	20	0.00369053	0.773488263
-0.1582307	cg05193435	TMC2	20	0.01041503	0.638200951
-0.1225509	cg19056418	TMC8;TMC6	17	0.03812836	0.596104725
-0.1000623	cg03190661	TMC8;TMC6	17	0.04024685	0.639689582
-0.123846	cg00447208	TMC8;TMC6;	17	0.04110294	0.550555196
-0.1755444	cg02495760	TMEM106C;T	12	0.03443115	0.556060557
-0.164903	cg26380116	TMEM132B	12	0.00034002	0.820486599
-0.1242309	cg06130322	TMEM132C	12	0.01080921	0.329822488
-0.1108324	cg26522894	TMEM132D	12	0.03829625	0.570426744
-0.1182829	cg08261450	TMEM132D	12	0.00217938	0.562296877
-0.1239698	cg20168964	TMEM132D	12	0.00492014	0.808690553
-0.1283802	cg23403099	TMEM132E	17	0.03492815	0.409370697
-0.1013709	cg21363348	TMEM140	7	0.00341742	0.224920632
-0.1093684	cg09414827	TMEM140	7	0.0001566	0.263249211
-0.1367396	cg08016257	TMEM140	7	0.00292449	0.701966028
-0.1014626	cg27641628	TMEM140	7	0.00022003	0.444239934
-0.1319649	cg07522970	TMEM140	7	0.00127538	0.572514777
-0.1098168	cg07972322	TMEM140;T	7	0.0012651	0.340124348
-0.1893315	cg06456031	TMEM140;T	7	0.00147414	0.497625448
-0.1174393	cg15139596	TMEM149	19	0.00652529	0.541479478
-0.1112363	cg16927606	TMEM149;T	19	0.00811988	0.744712621
-0.1086915	cg16911583	TMEM149;U	19	0.01279661	0.740198345
-0.1685487	cg09169734	TMEM150B	19	0.00339721	0.319568926
-0.1074825	cg09470754	TMEM150B	19	0.01337007	0.750551568
-0.1404556	cg04706627	TMEM150B	19	0.01738054	0.515087637
-0.2130388	cg26681139	TMEM163	2	0.01400113	0.554771846
-0.1842788	cg04232128	TMEM173	5	0.00038114	0.324260987
-0.141503	cg05385923	TMEM176B;T	7	0.02932611	0.911152182
-0.1256303	cg08352774	TMEM181	6	0.01615666	0.668018143
-0.1198462	cg18396403	TMEM184B	22	0.01080286	0.703333817
-0.1175424	cg25921357	TMEM190	19	0.03985401	0.435802128
-0.1152139	cg00057240	TMEM194B	2	0.02939212	0.83645778
-0.112479	cg00058163	TMEM200C	18	0.00757425	0.74922002
-0.1078419	cg10040866	TMEM202	15	0.00311714	0.456569902
-0.1027917	cg26906737	TMEM206	1	0.02696136	0.694511211
-0.1004453	cg06776976	TMEM206	1	0.00740254	0.600014727
-0.1819901	cg19526166	TMEM232	5	0.0470724	0.613659894

-0.1426806	cg20068209	TMEM30A;TI	6	0.00186999	0.505898368
-0.1381015	cg07258715	TMEM40	3	0.0105557	0.631336824
-0.1310726	cg01409343	TMEM49	17	0.04727316	0.500894817
-0.1211901	cg02782634	TMEM49	17	0.03803356	0.451636947
-0.1030201	cg19897979	TMEM50A	1	0.03147544	0.782530063
-0.1707765	cg10336925	TMEM63C	14	0.01033474	0.574975391
-0.253013	cg07171609	TMEM64;TM	8	0.0074227	0.673023002
-0.1910162	cg23313885	TMEM71;TM	8	0.03967439	0.407288451
-0.1549007	cg27159719	TMEM71;TM	8	0.03662596	0.590441705
-0.1233356	cg14500718	TMEM79;SM	1	0.00385295	0.34995309
-0.1123629	cg18973101	TMEM79;SM	1	0.0035637	0.276217975
-0.1078794	cg13736811	TMEM91	19	0.01186236	0.744630139
-0.1913652	cg12955084	TMEM91;TM	19	0.01556292	0.763703043
-0.1371403	cg00488740	TMIGD2;TMI	19	0.00494897	0.802281362
-0.1568718	cg11980819	TMIGD2;TMI	19	0.00537995	0.624554852
-0.1352806	cg27144670	TMOD3	15	0.0035166	0.791567328
-0.112793	cg10973881	TMOD4	1	0.01135012	0.447241818
-0.1260769	cg17318719	TMPRSS4;TV	11	0.00973682	0.451562856
-0.1189463	cg19498042	TMPRSS7;TV	3	0.01494684	0.556117901
-0.1273227	cg10650821	TNF	6	0.00525815	0.589013819
-0.265844	cg21222743	TNF	6	0.00053596	0.369930508
-0.2072281	cg01569083	TNF	6	0.01129228	0.583426236
-0.1519042	cg12681001	TNF	6	0.01735214	0.498750506
-0.1376595	cg03037030	TNF	6	0.00582365	0.457292459
-0.1187886	cg21370522	TNF	6	0.00412517	0.64722158
-0.1412627	cg09918674	TNFAIP8L1;TI	19	0.00763002	0.380705898
-0.1168078	cg08292569	TNFRSF10A	8	0.03106174	0.632179285
-0.1361188	cg18545076	TNFRSF10C	8	0.00339608	0.527857044
-0.1047568	cg02368508	TNFRSF17	16	0.0048768	0.751289295
-0.154541	cg09247175	TNFRSF8;TNF	1	0.00593315	0.501438471
-0.2148903	cg20820107	TNFRSF8;TNF	1	0.0010109	0.711119158
-0.1697524	cg14153654	TNFRSF9	1	0.02392227	0.463795751
-0.1240328	cg01059398	TNFSF10	3	0.02007006	0.867288435
-0.1163389	cg01462856	TNFSF13B;TN	13	0.00476213	0.404344474
-0.1160194	cg10362335	TNFSF14;TNF	19	0.0098512	0.649420266
-0.1042908	cg10861599	TNFSF4	1	0.00741425	0.669188908
-0.1560101	cg26315984	TNFSF4	1	0.01051215	0.694502874
-0.2148207	cg16517394	TNFSF4;TNFS	1	0.00120921	0.350619522
-0.1227656	cg21439763	TNFSF4;TNFS	1	0.00456223	0.835752709
-0.1965198	cg18058230	TNIK;TNIK;TN	3	0.02456134	0.691461296
-0.1049378	cg13058214	TNNT3;TNNT	11	0.01142199	0.682196613
-0.1185204	cg05687083	TNRC18	7	0.00032077	0.874482002
-0.1094617	cg02481714	TNRC6B	22	0.03877715	0.799438832
-0.1252375	cg12338137	TNS1	2	0.03314054	0.779328589
-0.1164125	cg05638589	TNS3	7	0.00271758	0.865919774
-0.138475	cg06539391	TNXB	6	0.04916765	0.706848514

-0.1013109	cg23257604	TNXB	6	0.00015136	0.192416926
-0.1121098	cg01188191	TNXB	6	0.00535079	0.757658164
-0.1239732	cg13720581	TNXB;TNXB	6	8.11E-05	0.28522344
-0.1107215	cg03376089	TOM1L2;TOM	17	0.00073692	0.779880592
-0.1270877	cg13473434	TOMM40L	1	0.00034002	0.245865087
-0.1097713	cg13987885	TOMM5;TOM	9	0.01359936	0.602408112
-0.2387876	cg21435473	TOP1MT	8	0.02297465	0.694869359
-0.2249313	cg19003304	TOX	8	0.00500347	0.719356825
-0.2534005	cg16970323	TOX2;TOX2;T	20	0.01700815	0.797214972
-0.1188615	cg06758255	TOX3;TOX3	16	0.03817584	0.792992509
-0.1247815	cg15134583	TP53BP2;TP5	1	0.03037929	0.809293135
-0.114319	cg01859616	TP53I11;TP5	11	0.0013563	0.519092107
-0.15589	cg19819912	TP73;TP73;TI	1	0.00277027	0.504800979
-0.1087099	cg14468856	TPK1;TPK1	7	0.01416262	0.791843065
-0.132704	cg13740187	TPM3	1	0.0419068	0.611664714
-0.1160232	cg16586406	TPM3	1	0.01068023	0.635198316
-0.106806	cg12205230	TPM3	1	0.00681997	0.596315067
-0.1735228	cg16624210	TPPP	5	0.00451559	0.349096903
-0.121652	cg09856467	TPST2;TPST2	22	0.00401632	0.683904034
-0.1122028	cg16704530	TRAF3IP2;TR	6	0.01719864	0.76265859
-0.1023609	cg20694619	TRAF3IP3	1	0.00725131	0.678985659
-0.236044	cg05959508	TRAF3IP3	1	0.01158747	0.619853543
-0.1081676	cg22436753	TRAF3IP3;TR	1	0.00748219	0.804240181
-0.1544351	cg03218479	TRAPPC9;TR	8	0.00282066	0.731551094
-0.1011032	cg22211507	TRAT1	3	0.00354684	0.666808764
-0.1223971	cg18505453	TREM1	6	0.03757479	0.778008296
-0.1803855	cg06196379	TREM1	6	0.0144755	0.511981886
-0.168851	cg21328082	TREM1	6	0.00058167	0.582888485
-0.1231844	cg10981439	TREM1;TREN	6	0.00095015	0.698020008
-0.1072229	cg10725937	TREM2	6	0.00402138	0.500755231
-0.1067963	cg15658306	TREML2	6	0.00070928	0.389375892
-0.1298085	cg25473438	TREML2	6	0.00233724	0.553654851
-0.1705509	cg01506917	TRERF1	6	0.01711484	0.625702543
-0.1186661	cg05264377	TRERF1	6	0.00649195	0.527191068
-0.1656975	cg16597079	TRERF1	6	0.00239581	0.626597434
-0.1192475	cg04753163	TRERF1	6	0.00504001	0.804332155
-0.1338955	cg09103187	TRERF1	6	0.04856936	0.405274178
-0.1920965	cg09804858	TRERF1	6	0.00296672	0.777581238
-0.1336712	cg11854981	TRERF1	6	0.0231736	0.681008148
-0.1159549	cg22644321	TRIB1	8	0.00737491	0.750453762
-0.1044833	cg21225548	TRIM14;TRIN	9	0.02458624	0.499471155
-0.1487015	cg01717609	TRIM17;TRIN	1	0.00806573	0.702840722
-0.123954	cg00474889	TRIM22;TRIN	11	0.04326228	0.640305889
-0.1405431	cg08850243	TRIM26	6	0.03957534	0.841068221
-0.1007983	cg14606478	TRIM26	6	0.01685728	0.510465467
-0.1820926	cg01505556	TRIM26	6	0.01567366	0.435135137

-0.1040301	cg14741870	TRIM26	6	0.01710783	0.695299037
-0.1885362	cg17344091	TRIM27	6	0.04104793	0.897713336
-0.243639	cg01591152	TRIM29	11	0.01736581	0.500771495
-0.1586538	cg15480962	TRIM31	6	0.01455944	0.511260957
-0.1393747	cg17048834	TRIM31	6	0.00839953	0.628169516
-0.1062004	cg01190484	TRIM40;TRIM	6	0.02552835	0.470033616
-0.1549637	cg06365108	TRIM40;TRIM	6	0.0025357	0.607152198
-0.1767024	cg26700215	TRIM55;TRIM	8	0.00017601	0.548188616
-0.1605598	cg21186955	TRIM56	7	0.00888451	0.508279022
-0.1302042	cg05439368	TRIM69;TRIM	15	0.00734238	0.777162778
-0.1083497	cg22107533	TRIM69;TRIM	15	0.0064618	0.677462228
-0.1108328	cg17980786	TRIM71	3	0.01311738	0.76533207
-0.1327268	cg19200592	TRIM71	3	0.00297351	0.581097364
-0.1130989	cg22991925	TRIM74;TRIM	7	0.00040707	0.375304703
-0.1084179	cg21531038	TRIO	5	0.00212896	0.777980475
-0.1014248	cg17510385	TRIP13	5	0.04766136	0.769809257
-0.1971173	cg11421768	TRIP13	5	0.01235036	0.796757365
-0.1311592	cg17128833	TRPC2	11	0.00120283	0.339256367
-0.2661468	cg07383757	TRPC2	11	0.00589728	0.76369922
-0.1920459	cg20893919	TRPC3;TRPC3	4	0.03294863	0.677734356
-0.1735179	cg17206393	TRPC4AP;TRIP	20	0.00407116	0.660161619
-0.1269468	cg14255426	TRPM2	21	0.02995585	0.361315289
-0.2005691	cg19011752	TRPM2	21	0.01555987	0.524486053
-0.1361228	cg17406359	TRPM2	21	0.0173459	0.618666963
-0.1235073	cg04506569	TRPM8	2	0.01298309	0.591233025
-0.1934993	cg16732648	TRPV2	17	0.0038687	0.313355747
-0.1405107	cg26719625	TRPV2	17	0.00308431	0.794825782
-0.1167492	cg09093656	TRPV2	17	0.003325	0.692969011
-0.274472	cg10825315	TSHR;TSHR;T	14	0.03934495	0.6594698
-0.2698108	cg18625627	TSHR;TSHR;T	14	0.00868978	0.746806475
-0.1577989	cg22873165	TSNARE1	8	0.03390984	0.722340895
-0.1213397	cg11277662	TSNARE1	8	0.02339664	0.906194318
-0.1873957	cg10122294	TSNAX-DISC1	1	0.00313953	0.346774064
-0.1837525	cg04250837	TSNAX-DISC1	1	0.02011631	0.705062126
-0.1745653	cg09690632	TSPAN10	17	0.01877169	0.80033511
-0.1104249	cg05946353	TSPAN10	17	0.00854763	0.726394198
-0.1080055	cg01481646	TSPAN14;TSF	10	0.00533259	0.800119167
-0.1180742	cg08560387	TSPAN14;TSF	10	0.00721004	0.812107539
-0.1148188	cg24328142	TSPAN15	10	0.0019304	0.776525706
-0.1596062	cg18247223	TSPAN18	11	0.04980584	0.650065397
-0.135431	cg04898130	TSPAN18	11	0.01695716	0.294279149
-0.1269598	cg16009677	TSPAN2	1	0.0045223	0.556726628
-0.1249807	cg04950931	TSPAN8	12	0.0063863	0.642702069
-0.1197393	cg15852320	TSPAN9;TSPAN	12	0.00453208	0.73415993
-0.1195338	cg11958128	TSPAN9;TSPAN	12	0.00359193	0.733008592
-0.1137258	cg09976369	TSSC1	2	0.02103429	0.551885553

-0.1124	cg14446504	TSSC1	2	0.02950804	0.836471792
-0.1078737	cg06241901	TTBK1	6	0.04196055	0.677035075
-0.1024662	cg02779913	TTC25	17	0.0095978	0.829581504
-0.1326538	cg14340336	TTC25	17	0.00263745	0.495246872
-0.205831	cg08736088	TTC29	4	0.02758617	0.578285384
-0.158464	cg01710361	TTC39A;TTC3	1	0.00401483	0.516929049
-0.101467	cg08280368	TTC9	14	0.02293515	0.679652705
-0.1955695	cg19319037	TTF2	1	0.03887268	0.535970023
-0.1942571	cg03174228	TLL11	9	0.01424206	0.522265981
-0.1621847	cg21970438	TLL2	6	0.00705398	0.629544568
-0.1208477	cg26282283	TTYH3	7	0.04229408	0.42555031
-0.2365446	cg19050555	TUBA1C	12	0.00659863	0.842495521
-0.1052066	cg01108243	TUBB1	20	0.00948616	0.663571917
-0.1015779	cg13756273	TUBB1;TUBB	20	0.00657534	0.791467552
-0.175061	cg19244428	TUBB2B	6	0.00068258	0.583159176
-0.1031736	cg04273422	TUBB4	19	0.01602263	0.498149169
-0.1254931	cg22609331	TUBB8;TUBB	10	0.00409221	0.650252799
-0.1997407	cg20930202	TXLNB	6	0.00992308	0.323061063
-0.1092332	cg10416593	TYMP;SCO2;	22	0.01571557	0.814068972
-0.102058	cg14557690	UAP1L1	9	0.029076	0.62321176
-0.1492744	cg16193278	UBAC2;MIR6	13	0.02601192	0.791329189
-0.1139772	cg05257202	UBAC2;UBAC	13	0.00571865	0.631680143
-0.1298866	cg12578486	UBAC2;UBAC	13	0.00369672	0.646746293
-0.1654036	cg07450210	UBAC2;UBAC	13	0.00081037	0.73756781
-0.1027915	cg08706575	UBASH3B	11	0.01132647	0.69297429
-0.1386702	cg24058145	UBD	6	0.00346149	0.824392595
-0.1812434	cg17599045	UBE2J2;UBE2	1	0.00046841	0.902182162
-0.1852655	cg26844104	UBE2L3;UBE2	22	0.00263974	0.319678568
-0.1172509	cg11554335	UBE2L6	11	0.00076357	0.445368924
-0.1013795	cg27429749	UBE2L6;UBE2	11	0.00220133	0.534661021
-0.141502	cg04346683	UBE2Q2;UBE	15	0.01999399	0.545842265
-0.2309978	cg03263197	UBL4B	1	0.01017142	0.29977469
-0.1381028	cg17295666	UBOX5;FASTI	20	0.00764051	0.452128803
-0.140912	cg08130175	UBXN10	1	0.00622759	0.594522011
-0.1052205	cg14699903	UCN2	3	0.0050349	0.687815995
-0.102616	cg11873311	UGGT1;UGG	2	0.03696248	0.695872483
-0.1314367	cg22145666	UGT1A10;UC	2	0.00630638	0.646552156
-0.2904769	cg08132815	UHRF1;UHRF	19	0.0174861	0.909083669
-0.219416	cg21311067	UHRF1;UHRF	19	0.04754277	0.859469817
-0.1474672	cg25982880	UHRF1;UHRF	19	0.00386949	0.736264919
-0.1224026	cg06635797	UHRF1;UHRF	19	0.00055248	0.323225825
-0.1123617	cg18901104	UHRF1;UHRF	19	0.01554749	0.662940986
-0.1059727	cg20724032	ULK4	3	0.02704824	0.400590236
-0.2193341	cg16413715	UNC5A	5	0.00781554	0.640633211
-0.1150733	cg01311313	UNC5D	8	0.00474952	0.60490409
-0.1218664	cg13302994	UNC80;UNC8	2	0.0035637	0.296563322

-0.2065307	cg11753750	UNC84B	22	0.00643337	0.639917866
-0.1344715	cg20434422	UOX	1	0.01077878	0.809533303
-0.127485	cg03091668	UPB1	22	0.03730202	0.306907892
-0.1019703	cg05516285	UQCRFS1	19	0.04824442	0.418008498
-0.1045247	cg04585822	USH1G	17	0.01719864	0.772189998
-0.1145353	cg13977660	USP42	7	0.0071726	0.614181062
-0.1018208	cg09594210	UST	6	0.02713203	0.282429592
-0.1932785	cg15587792	UVRAG	11	0.01059642	0.781953284
-0.1646252	cg11274172	UVRAG	11	0.00419112	0.786789611
-0.1616458	cg05486094	VAMP8	2	0.01538161	0.50869922
-0.1812552	cg08041014	VAT1	17	0.04739886	0.575504084
-0.1782714	cg06710195	VAV3	1	0.00423595	0.588191508
-0.1426429	cg04295372	VCAM1;VCAI	1	0.00078372	0.708015081
-0.1274045	cg25763716	VCAM1;VCAI	1	0.00026193	0.562685192
-0.1080517	cg23097079	VENTX	10	0.00036831	0.345341872
-0.2460364	cg26063719	VIM	10	0.00631737	0.270143517
-0.1334269	cg14260889	VIM	10	0.00586547	0.806330445
-0.1216171	cg12595461	VIT	2	0.01125706	0.478534596
-0.2171744	cg08023175	VN1R1	19	0.01608566	0.812726905
-0.1475111	cg02459818	VN1R4	19	0.00045417	0.601036317
-0.2244225	cg00852964	VNN1	6	0.00863354	0.554563647
-0.2322252	cg23654401	VOPP1	7	0.00264537	0.640838248
-0.1899648	cg18441959	VPREB1	22	0.00070936	0.299935157
-0.1334055	cg03763796	VPREB1	22	0.00034965	0.600558511
-0.2328891	cg25330366	VPREB1	22	8.50E-05	0.35878504
-0.1784883	cg14844130	VPREB1	22	0.0003122	0.396877132
-0.1515221	cg07179634	VPS37C	11	0.00071411	0.258689264
-0.1507226	cg12315311	VSTM1	19	0.00225808	0.64779812
-0.1252073	cg21689902	VWA5A;VWA	11	0.00106511	0.509578644
-0.1140281	cg25884442	VWF	12	0.0044343	0.462852786
-0.1091317	cg04233521	WASF2	1	0.03037668	0.638565632
-0.1661454	cg18898325	WBP2NL	22	0.01367453	0.764084611
-0.1501479	cg01679206	WBSCR27	7	0.02411762	0.582062138
-0.1054483	cg00187692	WDFY2	13	0.03938403	0.530927141
-0.1051987	cg27459529	WDFY4	10	0.0042679	0.717180902
-0.1170128	cg00404025	WDFY4	10	0.03198357	0.783250059
-0.116758	cg09897604	WDFY4;WDF	10	0.02180305	0.667822943
-0.2042743	cg20319654	WDR43	2	0.02610688	0.481493535
-0.166598	cg11129609	WDR46;WDR	6	0.01085012	0.674663832
-0.1664104	cg09755594	WDR63	1	0.00493197	0.541660739
-0.1285748	cg22822803	WDR8	1	0.01676147	0.508311865
-0.1473109	cg10080732	WDR81;WDR	17	0.00522505	0.31589231
-0.1169759	cg09433910	WDR81;WDR	17	0.00044333	0.409214895
-0.125491	cg20485165	WFDC12	20	0.00033877	0.658294628
-0.1764435	cg10025586	WHAMM	15	0.02726589	0.83227236
-0.1535389	cg15558558	WHAMM	15	0.01193027	0.423508405

-0.1506194	cg20098478	WIF1	12	0.00966319	0.570359387
-0.1288251	cg19275653	WIPF1	2	0.00245429	0.557547026
-0.1166706	cg15058645	WIPF1	2	0.00304943	0.594221522
-0.1077916	cg14035238	WIPF1;WIPF1	2	0.03376556	0.721793051
-0.1500115	cg13885155	WIPF1;WIPF1	2	0.02347421	0.767226199
-0.1179235	cg27117828	WIPF1;WIPF1	2	0.0009745	0.631822484
-0.1669669	cg03983223	WIPF1;WIPF1	2	0.00195698	0.554834028
-0.1177177	cg03562120	WISP2;WISP2	20	0.02881605	0.696993735
-0.1213304	cg20324199	WNK2	9	0.0408479	0.887569405
-0.1330801	cg26053066	WNK2	9	0.04396347	0.646779962
-0.1169358	cg05886546	WNK4	17	0.00143015	0.707599699
-0.1783619	cg14457782	WNK4	17	0.0217755	0.614419512
-0.1231219	cg16695758	WNK4	17	0.0073286	0.454282907
-0.1792034	cg20633317	WNT11	11	0.00502148	0.641813202
-0.1516187	cg04154465	WNT2B	1	0.00628321	0.654642827
-0.1039676	cg15237742	WNT3	17	0.00126579	0.433527497
-0.1627715	cg20656587	WNT3	17	0.00045549	0.393708144
-0.1498811	cg24114556	WNT3	17	0.00021645	0.482295052
-0.1394361	cg26121234	WNT7A	3	0.00143371	0.340890463
-0.1271782	cg02179982	WNT7B	22	0.02716576	0.697881865
-0.1188086	cg07777652	WRB	21	0.0138992	0.644423599
-0.2017668	cg24115019	WWC1;WWC	5	0.00133909	0.497121144
-0.183977	cg18484958	WWTR1;WW	3	0.00576223	0.696069074
-0.1117837	cg10353683	XCR1;XCR1	3	0.01291281	0.583384185
-0.2067585	cg02243386	XIRP1	3	0.03771472	0.59292776
-0.1650277	cg14769021	XIRP1	3	0.00840173	0.450785377
-0.1575508	cg07193389	XKR3	22	0.0130544	0.465538473
-0.2159833	ch.22.11243R	XKR3	22	0.0171505	0.168801753
-0.2365217	cg24394891	XPNPEP1;XPI	10	0.04608023	0.70853741
-0.1871699	cg11845168	XPO4	13	0.00536583	0.616963933
-0.1736867	cg26730763	XPO6	16	0.0032554	0.526523499
-0.1166493	cg02889774	XPO7;XPO7;	8	0.04298426	0.736107023
-0.1414716	cg07140459	XRN1;XRN1	3	0.00171093	0.471460077
-0.1306137	cg15389191	XRR1	11	0.01590706	0.769104485
-0.1123197	cg09745987	XYLT1	16	0.00113247	0.373253535
-0.1050339	cg08908247	YIF1A	11	0.00176825	0.619479413
-0.164404	cg19743666	YPEL5;YPEL5;	2	0.00838281	0.629720142
-0.2159499	cg00004667	ZBTB17	1	0.00953655	0.641703461
-0.210134	cg03559942	ZBTB3	11	0.0008389	0.487074927
-0.1362129	cg17495555	ZBTB38	3	0.04421354	0.739922232
-0.2066028	cg03025465	ZBTB38	3	0.00816909	0.803918142
-0.1702343	cg03523104	ZBTB39	12	0.04588644	0.586538691
-0.1561015	cg01943641	ZBTB39	12	0.00861993	0.75226428
-0.1228659	cg01209296	ZBTB46	20	0.03742919	0.786652925
-0.1088795	cg19680850	ZC3H12A	1	0.00221352	0.245649043
-0.1241096	cg00859858	ZC3H12A	1	0.01534879	0.788671518

-0.1054246	cg14030904	ZC3H12D	6	0.04068472	0.802570264
-0.1075201	cg00073460	ZC3H12D	6	0.01534754	0.314298406
-0.1274664	cg06762457	ZC3H12D	6	0.02745318	0.527148465
-0.1682643	cg01107185	ZC3HAV1;ZC3	7	0.00594002	0.502284358
-0.1231787	cg04118234	ZC3HAV1;ZC3	7	0.00302599	0.795641939
-0.1043752	cg08713098	ZCWPW1	7	0.0005258	0.416896726
-0.1123738	cg12336777	ZEB2;ZEB2	2	0.02856185	0.781236524
-0.1373734	cg06063479	ZEB2;ZEB2	2	0.0420776	0.765811261
-0.2055571	cg23095192	ZEB2;ZEB2;ZEB	2	0.00021157	0.452040229
-0.1495068	cg26608667	ZFAND2A	7	0.00900175	0.536733621
-0.2267641	cg03003722	ZFAND3	6	0.0318352	0.775563862
-0.2188033	cg08116775	ZFAT	8	0.04977705	0.791119759
-0.1286293	cg05516390	ZFH3	16	0.03724361	0.702878569
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-0.1574689	cg07176589	ZFH3;LOC100286	8	0.02148284	0.757708225
-0.1015666	cg10174063	ZFP57	6	0.02437209	0.618996886
-0.2195	cg04884025	ZFYVE9;ZFYV	1	0.03746866	0.541483092
-0.1068316	cg03096107	ZG16B	16	0.00557643	0.29412564
-0.1346646	cg05461841	ZG16B	16	0.00868275	0.421690988
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-0.1238033	cg26224785	ZIC4;ZIC4;ZIC	3	0.00915753	0.601369648
-0.2401494	cg15287806	ZMYND11;ZMYND	10	0.0126886	0.86853652
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-0.1633012	cg24413068	ZNF155;ZNF155	19	0.00884438	0.610440925
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-0.1602007	cg18507146	ZNF236	18	0.00372016	0.377928888
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-0.1067098	cg05398260	ZNF273;ZNF273	7	0.0011912	0.19249655
-0.1465717	cg16402415	ZNF280D;ZNF280D	15	0.02791239	0.434131613
-0.1156972	cg14690467	ZNF282	7	0.03248958	0.538002703
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-0.1457019	cg02278959	ZNF286B;ZNF286B	17	0.0052701	0.722256841
-0.1335872	cg15394911	ZNF331;ZNF331	19	0.01097999	0.827485051
-0.1128866	cg03861065	ZNF365;ZNF365	10	0.00821329	0.837457008
-0.146052	cg13823492	ZNF365;ZNF365	10	0.00710599	0.793309142
-0.1517142	cg09287086	ZNF365;ZNF365	10	0.01124098	0.838972511
-0.1403738	cg04566677	ZNF385A;ZNF385A	12	0.01090965	0.695432183
-0.17105	cg21330896	ZNF395	8	0.00121732	0.274118152
-0.10415	cg25888881	ZNF438;ZNF438	10	0.02496712	0.806150655
-0.1008959	cg07787851	ZNF474	5	0.0071994	0.863651817
-0.1210323	cg21213593	ZNF608	5	0.00929055	0.784605648

-0.1156859	cg18651544	ZNF610;ZNF6	19	0.03351827	0.831080892
-0.1500815	cg26523005	ZNF662;ZNF6	3	0.01099179	0.373033746
-0.1902726	cg10380221	ZNF668	16	0.01680384	0.432494368
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-0.1076634	cg12193649	ZNF705A	12	0.03794596	0.644533084
-0.1453652	cg23035449	ZNF710	15	0.01172656	0.784816551
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-0.1507972	cg16558770	ZNF710	15	0.00555216	0.838384636
-0.1098985	cg09352518	ZNF714	19	0.04611468	0.323071013
-0.1517447	cg09652526	ZNF831	20	0.01240394	0.674623848
-0.1391858	cg07510230	ZNRF2	7	0.00328952	0.31679342
-0.1204908	cg06442489	ZSCAN18;ZSC	19	0.01518271	0.800489711
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-0.1205239	cg09704136	ZYX;ZYX	7	0.03879643	0.775192581
-0.3078299	cg23600372		12	0.04386549	0.809007435
-0.2477422	cg23598480		2	0.0174425	0.714730607
-0.1403976	cg02313986		15	0.038376	0.507832547
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-0.1217688	cg05157340		17	0.03263866	0.826558571
-0.1171933	cg13902786		9	0.01982751	0.724967111
-0.1023116	cg09845806		20	0.04951916	0.449598742
-0.1222527	cg07652189		4	0.00799848	0.821630911
-0.1215625	cg02320356		8	0.00022274	0.761827574
-0.1154099	cg05394800		13	0.00121732	0.701634522
-0.1104815	cg05509190		2	0.02293877	0.375835137
-0.1974724	cg26612821		1	0.01376677	0.500900017
-0.1408536	cg24876404		2	0.0225429	0.273417
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-0.119243	cg09476092		21	0.01573592	0.807750593
-0.2107165	cg00681462		14	0.03157486	0.854236146
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-0.1239504	cg22804528		3	0.02692287	0.847405838
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-0.1130591	cg25654705		4	0.01007321	0.898546074
-0.1045436	cg15609272		5	0.01420431	0.318843345

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-0.1400344	cg08299521	5	0.03878526	0.459096072
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-0.156717	cg08531380	1	0.00716837	0.709637913
-0.1512548	cg01342115	3	0.03504001	0.397513003
-0.1429474	cg14911766	6	0.04758861	0.373949048
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-0.1375971	cg00377344	10	0.03407444	0.417354105
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-0.1303072	cg17472800	5	0.00399923	0.255641484
-0.1508251	cg10186131	15	0.00240163	0.8717998
-0.1260949	cg18463802	11	0.00797077	0.362601063
-0.1875995	cg14702960	12	0.00198127	0.322306435
-0.2534787	cg01178099	3	0.02291884	0.261333498
-0.2271069	cg20385368	4	0.00786543	0.815187444
-0.1954468	cg10378348	1	0.04036694	0.594090492
-0.1532289	cg08008352	16	0.00039891	0.266653091
-0.1431892	cg24427895	11	0.00123735	0.277682406
-0.140261	cg00232535	7	0.02381159	0.677294617
-0.1334184	cg14690102	11	0.00886637	0.397305369
-0.1287683	cg21954370	15	0.02612575	0.871656689
-0.2396687	cg20387775	6	0.04064029	0.683772945
-0.183185	cg06719901	3	0.0199119	0.819124788
-0.1745597	cg20165946	7	0.02665895	0.654567036
-0.1742956	cg01516005	10	0.01473459	0.412005532
-0.1739172	cg23695131	11	0.00932953	0.646526579
-0.1651912	cg25818605	2	0.01782241	0.609456519
-0.1446533	cg06306879	16	0.02272702	0.631471589
-0.1428386	cg12441694	13	0.01400271	0.705663556
-0.1407267	cg01462537	10	0.00723832	0.795302153
-0.1370883	cg14213406	7	0.0002944	0.569283985
-0.1296656	cg14126408	10	0.01218666	0.693320135
-0.1137492	cg24544808	6	0.02875956	0.833796259
-0.1094115	cg09494418	11	0.03255865	0.309225589
-0.1013732	cg02855045	3	0.01477311	0.761901331
-0.1002165	cg27509105	2	0.01077303	0.839883399
-0.2807633	cg13531387	9	0.01218704	0.447829715
-0.2574747	cg13505693	7	0.01911496	0.636312946
-0.2129805	cg22081371	1	0.00093174	0.196498395
-0.2087296	cg23698978	7	0.00747159	0.304567006
-0.1516639	cg19009471	14	0.00899978	0.669087728

-0.1487863	cg09462806	7	0.00407277	0.36814975
-0.1374788	cg00749609	19	0.00306503	0.250530647
-0.115297	cg06181286	3	0.04413682	0.68592891
-0.1126489	cg18395917	11	0.00239845	0.697136609
-0.1581323	cg25916172	10	0.0019999	0.52272316
-0.1163864	cg10777347	7	0.02083696	0.334718088
-0.1897694	cg24766327	10	0.00753928	0.373364782
-0.1726908	cg21398996	13	0.00031737	0.274635804
-0.1842801	cg16959787	13	0.04263777	0.825094751
-0.1349991	cg06120359	8	0.01101172	0.730732919
-0.1096213	cg00098304	15	0.01669552	0.389854722
-0.1232314	cg11426080	10	0.03666704	0.360296597
-0.1190813	cg25214376	10	0.00513124	0.653492932
-0.2089108	cg15896593	1	0.00467451	0.657991057
-0.1851065	cg10442729	2	0.00972124	0.728361959
-0.1839143	cg19777067	4	0.03626612	0.596080575
-0.1811592	cg09341796	22	0.01238904	0.586966681
-0.1670562	cg00218409	2	0.00313066	0.252977187
-0.154662	cg26019250	11	0.01052981	0.563643902
-0.1464289	cg19179099	10	0.01430543	0.730160581
-0.1256105	cg22718891	1	0.01810004	0.288275021
-0.1230508	cg14947846	2	0.01187959	0.854682085
-0.1228345	cg18645361	20	0.01775302	0.847199265
-0.108395	cg19856593	21	0.01864905	0.724202456
-0.1021858	cg13708803	8	0.00913084	0.349695842
-0.1716872	cg07086945	6	0.02139955	0.236100465
-0.1698621	cg10888902	10	0.00595327	0.377097581
-0.1404343	cg15036867	7	0.02757296	0.253300031
-0.1259145	cg27091643	12	0.02014483	0.310574717
-0.1254533	cg26870745	19	0.01951888	0.208813002
-0.1066272	cg11852579	4	0.01887364	0.289566444
-0.1712734	cg15577373	2	0.00701258	0.277532445
-0.1028936	cg16436711	6	0.00242179	0.265776343
-0.1720115	cg25726077	4	0.00079873	0.2595324
-0.1935174	cg06902025	7	0.02937763	0.762104075
-0.1472632	cg23948811	17	0.01269347	0.786359695
-0.1278383	cg09010852	5	0.00339561	0.244624528
-0.1207845	cg05954780	15	0.01161236	0.870958939
-0.1008809	cg00605063	7	0.0036512	0.334779523
-0.3017898	cg16593333	12	0.0068583	0.850744838
-0.2858365	cg26451930	13	0.00538556	0.487502226
-0.1172307	cg22129180	8	0.00690015	0.74219961
-0.1720716	cg24889352	5	0.00224433	0.363419606
-0.1024993	cg00851303	16	0.03190048	0.436433126
-0.1063308	cg13812927	9	0.00459007	0.226198505
-0.233817	cg20232291	3	0.03102323	0.405217579

-0.1764077	cg04934031	2	0.02263898	0.734918418
-0.1590269	cg22846991	10	0.047316	0.626859238
-0.1363167	cg20321319	8	0.00718675	0.413545198
-0.1048984	cg06372467	12	0.03487407	0.757008886
-0.1006722	cg14101940	2	0.02636183	0.649767667
-0.1375837	cg18015393	8	0.01718838	0.723346761
-0.1003459	cg24232083	7	0.01900937	0.474878327
-0.1169391	cg05483125	16	0.02291051	0.595455681
-0.1020176	cg09973284	12	0.00576623	0.578527151
-0.1170553	cg03373714	2	0.03333821	0.277116122
-0.1587517	cg08707456	11	0.00023192	0.527157006
-0.1057113	cg10717408	1	0.0257788	0.600407411
-0.1572178	cg13985234	5	0.03044339	0.335273252
-0.100195	cg01372939	16	0.00900911	0.826578012
-0.1919494	cg00405078	6	0.03464806	0.598181216
-0.168881	cg04026169	4	0.00904921	0.371453364
-0.194641	cg27125591	4	0.00077582	0.235145575
-0.1903604	cg18143317	11	0.027081	0.601243909
-0.1505449	cg18048655	17	0.02468215	0.702553782
-0.1359468	cg25793051	7	0.02221094	0.59399923
-0.1130974	cg16907101	13	0.02015361	0.455299967
-0.1355675	cg01044025	3	0.02504804	0.452775082
-0.1726376	cg19673233	14	0.00163778	0.431589561
-0.139451	cg10483261	7	0.01105864	0.406079806
-0.1367228	cg03880551	12	0.01476916	0.419681323
-0.1138718	cg20816104	2	0.03853988	0.376484646
-0.1114419	cg12136387	12	0.00230169	0.286901216
-0.206846	cg15202848	11	0.0172047	0.550131437
-0.169477	cg21141143	5	0.00757781	0.808303008
-0.1467468	cg13638983	3	0.012564	0.372422151
-0.113869	cg01571928	22	0.0413829	0.734382872
-0.1107678	cg17105814	4	0.00589982	0.808290384
-0.1440131	cg03436397	7	0.03827961	0.807444921
-0.1126975	cg00422995	2	0.00586547	0.478015266
-0.2346993	cg04276765	16	0.00575558	0.841923505
-0.163577	cg19290577	10	0.00180631	0.255702255
-0.1017243	cg07106169	2	0.01793418	0.565525936
-0.1088153	cg01273232	15	0.00070233	0.321835677
-0.1334131	cg05538118	16	0.04008442	0.486101015
-0.1164174	cg26980323	22	0.01251436	0.386612448
-0.1098523	cg19064304	15	0.04290783	0.724419041
-0.1635267	cg12689832	11	0.01595399	0.232346126
-0.1172131	cg15676988	11	0.04127486	0.170873271
-0.1004559	cg21591938	12	0.00222121	0.867900768
-0.1230137	cg17182817	10	0.0089379	0.827749174
-0.1714741	cg01556275	1	0.03603483	0.78482073

-0.188275	cg04781580	14	0.01975353	0.799849234
-0.1208123	cg21566177	5	0.02089846	0.753214517
-0.1033842	cg01577029	12	0.03082235	0.574054561
-0.107127	cg22703113	4	0.03215717	0.662430913
-0.1431386	cg19313311	7	0.00565578	0.335077056
-0.1429365	cg20004315	12	0.00047665	0.286172616
-0.1037029	cg04565740	10	0.03751592	0.573653107
-0.101308	cg01695994	17	0.01212647	0.663953891
-0.1582809	cg01364674	1	0.01490159	0.551639713
-0.2280778	cg15711727	1	0.00758387	0.409699296
-0.1870647	cg15240033	6	0.01334818	0.814309221
-0.1447506	cg04929759	12	0.02605962	0.653814298
-0.133854	cg24603408	8	0.00654212	0.278720031
-0.1062042	cg12655542	2	0.00051245	0.259476835
-0.162792	cg17526036	5	0.02886667	0.404883673
-0.1252587	cg00187120	7	0.04043489	0.514233885
-0.1111278	cg04544267	7	0.00331668	0.799787905
-0.1554703	cg13543216	4	0.00033557	0.401508511
-0.1177195	cg15944060	5	0.02460223	0.553639224
-0.114707	cg20745381	1	0.00447527	0.307342743
-0.1554407	cg23426156	8	0.01622494	0.767199198
-0.1957582	cg04648334	6	0.00081702	0.69606989
-0.1234061	cg23357813	12	0.02453393	0.59660857
-0.1052672	cg07480446	2	0.03102024	0.794200453
-0.1630949	cg09098522	10	0.02003594	0.689305138
-0.1105861	cg04231042	4	0.03667528	0.837408014
-0.1365917	cg22716280	10	0.004821	0.537462736
-0.1061746	cg15977096	8	0.00110961	0.266972939
-0.1474616	cg14243817	9	0.0051635	0.276939094
-0.1501136	cg19936812	5	0.00811488	0.304172971
-0.1477516	cg02183025	2	0.03910617	0.43499286
-0.1288063	cg03152880	16	0.02811405	0.262947988
-0.1459988	cg26195829	14	0.01142799	0.684731891
-0.1361515	cg09533087	8	0.01263836	0.83157856
-0.110738	cg04611466	5	0.01728979	0.541724854
-0.1695925	cg04795387	12	0.0061174	0.436370424
-0.1033126	cg01583716	16	0.00043704	0.217016155
-0.1083812	cg13977235	19	0.00794825	0.782628084
-0.1081258	cg13786083	1	0.04400956	0.27318176
-0.1014533	cg22674577	3	0.0213826	0.706364423
-0.1561017	cg01218587	14	0.01216024	0.535635071
-0.1486564	cg25974380	14	0.00499952	0.412643525
-0.1319772	cg17177536	10	0.01724909	0.26451071
-0.1241742	cg19527959	6	0.00230169	0.767714194
-0.1581714	cg24680415	17	0.035946	0.744491784
-0.2377815	cg13014219	4	0.04485187	0.363274141

-0.2043865	cg24599329	11	0.00843973	0.830391524
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-0.2118748	cg06610548	17	0.0058114	0.670691925
-0.1437214	cg17796461	15	0.04619249	0.478131873
-0.1844224	cg16242653	1	0.01314553	0.352530925
-0.1299142	cg09278098	12	0.00606967	0.229860497
-0.1251485	cg17367816	10	0.00380714	0.329370064
-0.144061	cg21138542	6	0.00069636	0.461826144
-0.1019245	cg09448460	2	0.0094938	0.289437395
-0.1599109	cg07979348	20	0.02805198	0.513071636
-0.1462567	cg12929160	13	0.01263935	0.862508494
-0.1018157	cg23047322	17	0.01592977	0.737763365
-0.1582849	cg26360402	14	0.03433232	0.691318195
-0.1318628	cg09128944	2	0.00942563	0.584844999
-0.1378998	cg18030960	4	0.00131168	0.291370343
-0.1177948	cg26587014	19	0.00879948	0.671597061
-0.1107434	cg15684661	5	0.04413232	0.525833525
-0.190913	cg05121006	4	0.01156187	0.236734738
-0.1016433	cg00421846	6	0.01017539	0.41919946
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-0.2225992	cg05820959	7	0.02099442	0.871744001
-0.2136535	cg07960922	7	0.00929055	0.530651798
-0.1740456	cg10621597	4	0.04144227	0.40163551
-0.1413213	cg17998530	22	0.00217777	0.35478281
-0.138881	cg05831315	8	0.00435719	0.725068526
-0.1238617	cg24996440	2	0.00778144	0.35335965
-0.1195793	cg06455180	10	0.01923718	0.659588427
-0.10671	cg11551464	8	0.01053351	0.846313239
-0.1055934	cg22347642	8	0.0363219	0.577942654
-0.1013607	cg14430614	13	0.0491997	0.788863232
-0.1196463	cg07371413	6	0.00581964	0.886374417
-0.233633	cg00318897	16	0.00069592	0.694436854
-0.1447203	cg14062119	12	0.00299387	0.74337265
-0.1120966	cg22266211	17	0.00878644	0.288850205
-0.1096513	cg11603406	7	0.01151954	0.577683776
-0.1052226	cg08850641	17	0.01847277	0.368688897
-0.181904	cg03760589	1	0.03212908	0.458347924
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-0.11015	cg04209579	2	0.00016884	0.768798789
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-0.1182518	cg03658699	19	0.01258811	0.431691717
-0.1427769	cg26690742	11	0.04725395	0.866597073
-0.1387824	cg00040590	22	0.03096392	0.660873931
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-0.208097	cg05935961	11	0.00159442	0.525346283

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-0.2147362	cg09715059	6	0.02395758	0.294657763
-0.1840321	cg17367078	22	0.01362364	0.449793241
-0.1555488	cg04745064	6	0.0083623	0.744559377
-0.1391364	cg02772509	1	0.01886003	0.474819958
-0.1192076	cg05905844	7	0.01099399	0.677605387
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-0.1234349	cg24499677	17	0.03183614	0.645227437
-0.1092039	cg24341911	21	0.02573406	0.657174465
-0.1042316	cg05945608	6	0.01307803	0.675913746
-0.1027006	cg11362820	15	0.00033811	0.316152044
-0.1173734	cg15688980	3	0.01350474	0.765340743
-0.1173716	cg17403995	1	0.01426404	0.719300302
-0.1285447	cg25175654	17	0.00788329	0.415875836
-0.1218319	cg24033633	3	0.00429784	0.837507754
-0.100596	cg07106766	3	0.01167673	0.75104424
-0.1036386	cg00290023	5	0.00791631	0.335830976
-0.1120001	cg02688118	13	0.02998091	0.56847542
-0.1189722	cg00649480	5	0.04175456	0.525683444
-0.128347	cg02216780	13	0.006265	0.536800753
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-0.2937771	cg17150651	3	0.0183926	0.521654659
-0.2192694	cg04212047	6	0.0453094	0.470644607
-0.1581585	cg06598386	12	0.03130053	0.736143845
-0.1222762	cg18966152	1	0.01214342	0.902968995
-0.1543386	cg03573168	7	0.0199119	0.500585192
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-0.2133581	cg07889505	15	0.00208547	0.315860549
-0.1324423	cg02367921	1	0.03250311	0.743461356
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-0.2123249	cg15202213	11	0.0223079	0.635714812
-0.2185869	cg15921887	10	0.04475694	0.466954971

-0.2110373	cg05269080	10	0.00878699	0.546071376
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-0.1830367	cg15710143	17	0.02315161	0.454312818
-0.2241987	cg07126115	12	0.00169208	0.463035623
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-0.1648718	cg10842008	1	0.00087062	0.355354135
-0.1381555	cg21293933	20	0.0263798	0.535095156
-0.1615578	cg22550229	18	0.03786119	0.483157724
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-0.1376137	cg23806894	4	0.00066183	0.214086927
-0.1320718	cg24369185	6	0.00682745	0.792065228
-0.1166362	cg15835542	6	0.01125706	0.243779816
-0.1094337	cg18606630	14	0.00012089	0.216110723
-0.1058558	cg25913612	10	0.03297625	0.800573111
-0.1120018	cg11937107	5	0.0372096	0.873471783
-0.233746	cg13911697	11	0.00137786	0.837226532
-0.207693	cg24028634	13	0.00509558	0.821550271
-0.2055225	cg02637247	16	0.00684618	0.758364809
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-0.1543821	cg00350158	11	0.03605661	0.734148379
-0.1389296	cg09238332	16	0.00237209	0.380379489
-0.1652744	cg01417849	6	0.00741339	0.56965152
-0.1361653	cg23381028	6	0.00079924	0.257449158
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-0.1220727	cg12428160	10	0.00582835	0.446906057
-0.1518851	cg26090062	6	0.00856047	0.387755547
-0.1083997	cg04454285	16	0.00149918	0.64034715
-0.1173997	cg00032912	15	0.00036646	0.81590978
-0.1001227	cg16618789	7	0.00652131	0.666667275
-0.1009517	cg14571539	5	0.02784466	0.808406468
-0.1780522	cg06623017	15	0.02886667	0.567424945
-0.1178617	cg04028695	10	0.0400385	0.643217729
-0.1024658	cg12078913	13	0.00688625	0.546719346
-0.1179357	cg18112794	21	0.01074336	0.267511793
-0.1698054	cg05886620	7	0.00130505	0.345975263
-0.1523488	cg07376547	1	0.00017744	0.667110796
-0.1820888	cg22083053	4	0.02097059	0.549796199
-0.1025483	cg21184806	22	0.0062702	0.462203722
-0.1143386	cg11818193	2	0.00179083	0.340079437
-0.1181338	cg02463844	16	0.00904863	0.744253667

-0.1117121	cg16383005	6	0.02913849	0.582573788
-0.2163789	cg19787556	12	0.0347879	0.41438711
-0.2339044	cg19501909	22	0.00046123	0.258012897
-0.1572885	cg20373635	10	0.02418867	0.862808282
-0.1904114	cg08854586	13	0.00564622	0.461181652
-0.1271518	cg06461708	7	0.00851065	0.508650625
-0.1215346	cg06393830	6	0.02332056	0.733081931
-0.1739263	cg23426945	10	0.01030936	0.747692679
-0.1260869	cg15128679	5	0.00172134	0.234452408
-0.1089965	cg21981144	19	0.00870704	0.371465955
-0.1012122	cg14553377	11	0.01950603	0.537112252
-0.1199867	cg20948409	3	0.00545585	0.492472846
-0.1675802	cg19413066	17	0.00867623	0.379369736
-0.1220219	cg27305917	21	0.01130336	0.569831723
-0.1480685	cg26431163	15	0.00079396	0.372187295
-0.1547548	cg06739525	2	0.01603018	0.863317501
-0.1528686	cg02695609	7	0.00563195	0.261296493
-0.1081136	cg09398200	15	0.00450717	0.310154475
-0.1058689	cg07893738	4	0.04554733	0.800533403
-0.1056402	cg02736228	1	0.01744498	0.612253539
-0.1092581	cg09791366	1	0.00167327	0.721709144
-0.110487	cg07056079	6	0.01418084	0.259152891
-0.1293067	cg15415194	8	0.01237911	0.683841914
-0.1056654	cg01299082	4	0.02061629	0.570777492
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-0.1339868	cg03584506	11	0.04768133	0.450609404
-0.141082	cg08179817	4	0.0402713	0.639360462
-0.1697105	cg20203768	8	0.00014697	0.505066151
-0.1623269	cg00688895	7	0.01592409	0.373597754
-0.1015216	cg04041159	16	0.00416352	0.556680637
-0.180274	cg08098420	16	0.02508328	0.333447765
-0.1371365	cg12283695	15	0.02671115	0.44822969
-0.12747	cg02589685	11	0.02227376	0.715655098
-0.1198212	cg19185846	2	0.04972946	0.428015406
-0.1757456	cg15626881	7	0.02919478	0.62708773
-0.2769996	cg19442415	11	0.00120398	0.337069227
-0.2070242	cg01119145	20	0.0025211	0.600940846
-0.1174874	cg09998251	15	0.00123194	0.356174215
-0.1772219	cg21063275	15	0.0296078	0.592310607
-0.1601579	cg22626825	3	0.00094026	0.764533969
-0.1062267	ch.12.1274494R	12	0.01353147	0.195629154
-0.2189445	cg16656520	6	0.04667465	0.506623509
-0.1508032	cg21616785	11	0.0005305	0.460951709
-0.1076937	cg05091585	13	0.02038352	0.510038628
-0.1329823	cg04033732	16	0.00049358	0.292046522
-0.1170144	cg16247269	5	0.01603098	0.602652775

-0.2418719	cg17828456	17	0.02190893	0.346014931
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-0.1124241	cg27094323	7	0.01980653	0.465092482
-0.1555579	cg06929449	16	0.00219305	0.393872222
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-0.1010356	cg02737458	16	0.01237977	0.289483791
-0.1090181	cg05990312	17	0.00840166	0.529483577
-0.1860681	cg25252017	6	0.00323529	0.838036277
-0.1402303	cg04439241	11	0.01099179	0.470277991
-0.1328036	cg18623980	2	0.02672017	0.634190985
-0.1236377	cg00874032	3	0.02130188	0.431809188
-0.119101	cg27223805	11	0.00795096	0.782251224
-0.1180088	cg13528289	4	0.01544981	0.690976578
-0.1301273	cg27464846	16	0.02000291	0.797581702
-0.1468445	cg18430895	5	0.0049169	0.745759229
-0.1312054	cg26629749	8	0.01128668	0.444477136
-0.1791135	cg13212080	14	0.00646227	0.537687151
-0.2471276	cg03078551	17	0.00160308	0.205169209
-0.2372072	cg04054921	11	0.04600191	0.722440838
-0.1966179	cg00766220	5	0.03788018	0.870698227
-0.1550663	cg02463513	3	0.01439445	0.884456223
-0.1468013	cg22328895	19	0.02146394	0.812611191
-0.1463881	cg26355232	2	0.00714011	0.728352803
-0.1353111	cg19500334	1	0.00626149	0.345378649
-0.1333435	cg25596082	10	0.00452709	0.428518137
-0.1161999	cg14311134	19	0.00455051	0.803801298
-0.1154363	cg12602909	3	0.03922042	0.505901106
-0.1134662	cg14833896	13	0.04861959	0.537275423
-0.1113203	cg25102726	5	0.00468559	0.462195457
-0.1066646	cg25616869	3	0.03411791	0.47476224
-0.1001776	cg26310285	7	0.00164227	0.77642365
-0.100127	cg08237521	16	0.00382775	0.814515954
-0.1151147	cg20848218	1	0.03121365	0.831206698
-0.1899725	cg20155035	1	0.03087092	0.822953996
-0.1504375	cg10991475	11	0.00761614	0.354603643
-0.1220998	cg06257058	7	0.00862821	0.544762734
-0.1452603	cg26763945	3	0.0251	0.79535096
-0.1123753	cg10858480	14	0.00043645	0.724110835
-0.133197	cg02375166	11	0.0369395	0.381054537
-0.140328	cg13827584	7	0.00514	0.309331398
-0.122167	cg16137564	14	0.03420715	0.908656831
-0.1018804	cg04103847	10	0.04736523	0.705264533
-0.1031576	cg26063904	1	0.00565164	0.800006713
-0.1395641	cg08037478	12	0.01418791	0.649084421
-0.1118372	cg00416400	13	0.03857653	0.669241398

-0.1092994	cg08525429	7	0.02960142	0.477516007
-0.1211664	cg04457114	5	0.0206011	0.504921749
-0.1598769	cg03669175	19	0.01177423	0.446955318
-0.124345	cg10120652	8	0.00648924	0.875164506
-0.1937347	cg11465404	15	0.03281267	0.471005037
-0.2422487	cg12869949	5	0.00037718	0.332343844
-0.1336507	cg16735495	7	0.01863778	0.396640129
-0.114484	cg26392708	10	0.00050073	0.35469433
-0.1168015	cg19489320	7	0.03160736	0.608343912
-0.1158537	cg11165752	7	0.01199982	0.816043215
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-0.1147376	cg08772796	5	0.02669681	0.303518298
-0.1268602	cg09693588	3	0.0059537	0.82244258
-0.2273207	cg05722692	16	0.0378874	0.545350073
-0.1989833	cg11633080	7	0.02502486	0.671558264
-0.1815707	cg07783843	2	0.01051334	0.8662674
-0.1780723	cg15805490	19	0.02672176	0.674065812
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-0.1858701	cg14127046	2	0.0264292	0.859344075
-0.1432583	cg22579114	7	0.00360738	0.643652907
-0.1276744	cg04572258	2	0.04183189	0.671254378
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-0.124812	cg23209016	17	0.00201933	0.306368909
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-0.1409567	cg14480446	5	0.03099674	0.36864009
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-0.1867575	cg26550214	5	0.01129799	0.229702282
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-0.1625212	cg03376308	10	0.00478913	0.812305153
-0.1610027	cg05796504	16	0.00656243	0.524228609
-0.1166981	cg03466587	3	0.02035172	0.288357703
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-0.1144593	cg19604907	12	0.00427389	0.285711181
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-0.1253919	cg22924563	19	0.04553677	0.408046342
-0.1372507	cg04871472	2	0.02624655	0.779202587
-0.1595626	cg20507963	4	0.01758386	0.879116566
-0.1517243	cg24465329	2	0.04100273	0.53839211
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-0.1795306	cg26864230	1	0.04094948	0.597347183
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-0.1047182	cg19440115	15	0.00597662	0.601144213
-0.1172063	cg14542554	14	0.03093234	0.672423655
-0.1499994	cg04526480	1	0.04446714	0.405230115
-0.1168839	cg01511901	13	0.00082316	0.241566827
-0.2627444	cg10442325	2	0.03655059	0.605859553
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-0.1268657	cg01219347	2	0.0005371	0.344500535
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-0.1547043	cg05937055	1	0.03801362	0.530804897
-0.1392046	cg25050392	6	0.01165628	0.864954604
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-0.1319472	cg19490678	11	0.00108726	0.383820932
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-0.1045091	cg19893132	12	0.01960395	0.325747924
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-0.1586843	cg01756424	3	0.00725893	0.522069783
-0.1306306	cg13306815	6	0.02655444	0.764579358
-0.169968	cg08149546	11	0.04717674	0.472095651
-0.1180093	cg12895857	6	0.02216999	0.716342144

-0.2331739	cg16442298	8	0.00406484	0.58038141
-0.1450805	cg06740372	3	0.03688536	0.727336765
-0.1049207	cg00802386	7	0.03713619	0.847510208
-0.1032568	cg03500164	17	0.03731998	0.815997641
-0.1068528	cg17606155	21	0.01577823	0.358483739
-0.1514116	cg14897838	17	0.00022029	0.350163009
-0.1200336	cg01185573	3	0.01095825	0.642226957
-0.1099158	cg14453187	2	0.00906754	0.817658766
-0.1729999	cg12422351	1	0.03462886	0.756126964
-0.119825	cg16576569	1	0.0009705	0.86488992
-0.1016958	cg20965866	4	0.00222195	0.860184368
-0.1575648	cg01830154	17	0.0461417	0.411677493
-0.2535403	cg07352859	16	0.04512485	0.566348836
-0.1891434	cg15396800	1	0.0030781	0.401078593
-0.1624893	cg14016418	2	0.03105382	0.333472349
-0.1334334	cg14927712	2	0.00925044	0.379367374
-0.118787	cg00901878	13	0.01595265	0.755087161
-0.1182284	cg25774608	12	0.04845425	0.466312601
-0.1161416	cg04805577	7	0.0149662	0.871768308
-0.133266	cg04419547	13	0.01340611	0.827887969
-0.1328131	cg23787937	12	0.01652217	0.724790517
-0.2118071	cg10418997	5	0.03152169	0.313745623
-0.1362222	cg10755035	8	0.00866741	0.381240398
-0.1102169	cg05084525	8	0.00541773	0.633198691
-0.1029448	cg24341406	20	0.0133363	0.608899124
-0.2185707	cg05387269	1	0.01371913	0.461643863
-0.2015829	cg04918695	6	0.00266785	0.888910079
-0.1932628	cg21563912	10	0.02426019	0.930844699
-0.1700044	cg12253071	4	0.02679078	0.703192512
-0.111484	cg20928238	14	0.01001772	0.476392316
-0.1010821	cg21952052	1	0.00668008	0.301178863
-0.1006163	cg11718312	6	0.02000601	0.392060052
-0.2394232	cg10436833	1	0.02839025	0.775651587
-0.1336326	cg21140898	1	0.03797683	0.55425897
-0.1337276	cg06728135	5	0.00056503	0.284822258
-0.1167288	cg03548415	11	0.03919068	0.382736083
-0.1046104	cg12171761	8	0.00680299	0.59964543
-0.2903166	cg11353598	15	0.00905266	0.751366913
-0.1859832	cg25446061	2	0.00237814	0.384265657
-0.1251313	cg00960906	5	0.03644028	0.398659125
-0.154339	cg04774770	5	0.01274808	0.518274225
-0.1433533	cg24053992	1	0.01302508	0.713691066
-0.1964519	cg23346622	7	0.00291425	0.291130288
-0.1088585	cg24530432	4	0.01614627	0.613374318
-0.1396901	cg27475169	11	0.00103733	0.706256969
-0.1017213	cg18117039	14	0.03022235	0.876015215

-0.1906164	cg20368377	13	0.03967595	0.755091964
-0.1027029	cg20491991	1	0.00683707	0.633183307
-0.1762711	cg08162465	1	0.0329847	0.863712913
-0.1030412	cg00092443	20	0.03018837	0.77044001
-0.144361	cg01004063	14	0.00486443	0.466315413
-0.1593895	cg05729745	22	0.00793491	0.594728823
-0.1237826	cg06853836	6	0.01579126	0.52776791
-0.1199528	cg26727231	8	0.01937381	0.564255444
-0.1661659	cg13487127	9	0.00018505	0.641258732
-0.1575474	cg15134714	8	0.00769487	0.473964316
-0.1016617	cg02229757	16	0.01155271	0.266345708
-0.1123293	cg03215050	11	0.00936392	0.8133252
-0.1902325	cg16518996	16	0.02913528	0.645715142
-0.1890675	cg01329973	16	0.00297231	0.474338334
-0.1394699	cg21249091	2	0.04233456	0.444434331
-0.1042356	cg07121900	13	0.01813562	0.477992715
-0.1630531	cg13468767	17	0.03192209	0.293222764
-0.1470139	cg13257654	8	0.01330164	0.875849437
-0.155494	cg22581352	8	0.00504095	0.462749793
-0.1016461	cg06049381	17	0.01471656	0.349324637
-0.1224936	cg17389956	12	0.01756936	0.29409258
-0.1508332	cg02291365	13	0.0227378	0.775700642
-0.113377	cg13496662	19	0.03936223	0.552932129
-0.1339281	cg22022821	11	0.00082316	0.84719564
-0.1253424	cg23207542	2	0.00417309	0.6351132
-0.1306178	cg26645655	3	0.02377288	0.752306159
-0.1571576	cg00607194	12	0.04889067	0.733807832
-0.1218147	cg12630938	10	0.00303835	0.626320329
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-0.1237862	cg00673344	3	0.01866151	0.651249643
-0.2305737	cg12165551	11	0.02452391	0.637060216
-0.1825823	cg02489769	12	0.01840667	0.762745836
-0.1634291	cg11612647	10	0.00046861	0.310951234
-0.1360677	cg07081245	11	0.04961333	0.522831461
-0.1323539	cg15274309	11	0.0013108	0.842886659
-0.126374	cg22460896	15	0.00030547	0.770708508
-0.1213254	cg26508928	18	0.02632381	0.656154942
-0.116382	cg19145082	3	0.00677131	0.297732409
-0.1138936	cg03813377	6	0.01237645	0.339739436
-0.1131378	cg07486821	16	0.01041572	0.581974001
-0.1064431	cg01373819	15	0.03719175	0.548258532
-0.1013805	cg09817162	6	0.02077689	0.736229481
-0.1566308	cg25016544	5	0.00939271	0.347968285
-0.1484422	cg04268211	7	0.01162655	0.492725957
-0.1084876	cg13057055	17	0.03037921	0.465895584
-0.1041012	cg25101863	11	0.00025576	0.416722538

-0.1460161	cg14204462	1	0.01492335	0.626682878
-0.2326266	cg16347123	7	0.00113056	0.349802611
-0.1134599	cg18269963	4	0.02385018	0.875750963
-0.1849661	cg21146170	8	0.01263305	0.687956778
-0.1715624	cg20697025	7	0.0436117	0.530673941
-0.1922268	cg16644967	16	0.04873137	0.840984952
-0.1042189	cg08117745	20	0.00506296	0.837209386
-0.1192835	cg20546570	22	0.00496778	0.45421015
-0.1338419	cg11141696	1	0.00343052	0.86809167
-0.1698133	cg14996583	13	0.01156187	0.445655478
-0.1510192	cg19110428	20	0.00436089	0.723755443
-0.197912	cg09558425	10	0.04072963	0.589456071
-0.1072417	cg02931464	12	0.00034186	0.276677848
-0.2515057	cg14428628	17	0.00344864	0.780692145
-0.1286666	cg18016304	15	0.03185962	0.637661521
-0.1742017	cg19998151	11	0.00280912	0.380627291
-0.116157	cg19952651	14	0.01096266	0.806467099
-0.1258465	cg11661534	3	0.01376109	0.330980903
-0.1392039	cg00210839	7	0.00077158	0.738914964
-0.1547414	cg04528720	16	0.02875068	0.706572442
-0.1235769	cg19684783	5	0.04216221	0.743171674
-0.2151029	cg18019509	6	0.04124193	0.755621319
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-0.1864707	cg18063495	5	0.01990676	0.231180263
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-0.1315754	cg19634252	4	0.00772244	0.493337803
-0.1545696	cg16580197	8	0.01312541	0.725056725
-0.1088822	cg18890461	6	0.00170408	0.306026015
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-0.2001919	cg04239548	1	0.01726073	0.781799514
-0.1787253	cg03148184	4	0.00024097	0.253173862
-0.1377698	cg06618356	16	0.00666773	0.727252089
-0.1337985	cg06615816	3	0.00794547	0.492101821
-0.1078442	cg03720745	8	0.01133732	0.501420247
-0.1609925	cg00169897	16	0.03948248	0.735769473
-0.1611114	cg11088672	4	0.01975353	0.621307357
-0.1554001	cg02992762	7	0.00086785	0.325428185
-0.116611	cg15034300	2	0.00082915	0.330354565
-0.2037875	cg20068510	15	0.01839689	0.83678325
-0.2006888	cg08090407	7	0.00086449	0.229223292
-0.1070324	cg14236118	4	0.0237915	0.814185868
-0.1519374	cg10513595	5	0.04013595	0.775340133
-0.1003196	cg00176043	1	0.02558263	0.37839546
-0.2054913	cg10208132	4	0.00637314	0.90571561
-0.1072849	cg17709804	11	0.03052273	0.744987675
-0.1213223	cg12332674	6	0.00725793	0.826609721

-0.1649848	cg06213763	1	0.02614448	0.432499013
-0.1217928	cg14799457	18	0.03149202	0.539525333
-0.1036831	cg20465333	22	0.04022649	0.494908205
-0.1093275	cg09063683	5	0.00823081	0.363105887
-0.1376152	cg20223392	8	0.04941873	0.689368057
-0.1248672	cg01232121	8	0.032546	0.77530776
-0.1916099	cg11539857	6	0.04935004	0.782046251
-0.1211923	cg12630576	1	0.0130544	0.858917265
-0.1261135	cg21249152	13	0.04605923	0.619669589
-0.1670095	cg15507690	3	0.04177289	0.737410165
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-0.1040684	cg16709734	7	0.00148041	0.525476596
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-0.2423481	cg16761754	14	0.04186454	0.789691134
-0.1489778	cg15222329	5	0.0003092	0.398118245
-0.128789	cg07548791	16	0.00251923	0.457806222
-0.1046565	cg23500924	5	0.03183468	0.390379457
-0.1029824	cg09416512	19	0.01550282	0.742347577
-0.1173875	cg22304705	2	0.04188882	0.829824015
-0.1138721	cg04156889	3	0.00037787	0.253248877
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-0.1251841	cg00258136	8	0.00392583	0.509291606
-0.2275109	cg06194070	9	0.04650854	0.552104866
-0.1879673	cg25599567	19	0.01271427	0.4437519
-0.1301176	cg26905281	8	0.01194738	0.447653861
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-0.1645102	cg00210271	12	0.00416923	0.805541964
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-0.1240269	cg06990460	11	0.00382477	0.350823475
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-0.1570119	cg19506433	5	0.02070012	0.620207443
-0.1477158	cg02819992	7	0.02986351	0.854229341
-0.178973	cg20824200	2	0.01084747	0.551844068
-0.1716314	cg16487653	16	0.04435924	0.43379749
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-0.1000164	cg04214938	2	0.01964449	0.583844413
-0.1222969	cg18105361	5	0.00830623	0.636283431
-0.2573494	cg27225686	15	0.01769917	0.37682594
-0.1403612	cg26131026	17	0.00716572	0.505957642
-0.1274675	cg00387524	10	0.02698381	0.321028861
-0.1487031	cg01279413	20	0.0227235	0.451235597
-0.1205356	cg05373655	1	0.02079017	0.6522971
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-0.1055512	cg10717610	2	0.0438932	0.611160841
-0.2525606	cg24186104	5	0.04457624	0.856312942
-0.2180697	cg24085232	5	0.00525189	0.649903809
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-0.1118676	cg12224508	2	0.02309477	0.507820585
-0.1232044	cg24275855	17	0.0015888	0.765183458
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-0.1468442	cg00497735	16	0.02410687	0.550906222
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-0.1011531	cg17722435	7	0.02485458	0.758459243
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-0.1118884	cg11895596	3	0.02293515	0.76174639
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-0.1339348	cg21617694	6	0.01661362	0.498217593
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-0.132468	cg13851508	2	0.04844156	0.782139906
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-0.1578278	cg24039081	3	0.00049471	0.219719339
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-0.1979774	cg07144720	3	0.03018672	0.463369238
-0.1564044	cg05220092	10	0.00042068	0.420847959

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-0.1569119	cg02255484	6	0.01580103	0.282574751
-0.1235757	cg07013698	17	0.01112045	0.309856395
-0.1012022	cg01966891	15	0.00899731	0.425917983
-0.2101868	cg18655633	19	0.02046641	0.733757564
-0.1227535	cg14106710	11	0.04940661	0.394034494
-0.1149594	cg02738156	2	0.02154134	0.750055074
-0.1084814	cg15627871	3	0.00170365	0.740216496
-0.1372639	cg12731838	11	0.01447123	0.335045991
-0.1382297	cg24202916	20	0.00138801	0.586769334
-0.1907402	cg25750209	2	0.00343799	0.802989589
-0.1127806	cg26606789	21	0.00023073	0.27585787
-0.1309714	cg08079908	2	0.02324326	0.756194833
-0.175857	cg02721394	3	0.00356071	0.376697404
-0.1197748	cg05972216	4	0.02852125	0.444767957
-0.1522265	cg26996569	12	0.01733389	0.803918354
-0.1980456	cg06469726	2	0.01454329	0.6392275
-0.1757381	cg04380269	2	0.02678133	0.657342748
-0.1688053	cg02705918	12	0.02509027	0.427117623
-0.1289329	cg06837325	5	0.00062292	0.840722743
-0.1363307	cg13617812	15	0.02506193	0.545256246
-0.1276729	cg04149776	22	0.01617641	0.727298324
-0.1085402	cg01116161	5	0.0385962	0.90198197
-0.1346058	cg23153661	2	0.01874384	0.564615905
-0.1823197	cg12980795	5	0.01072312	0.580166923
-0.1862429	cg14420953	6	0.03753829	0.604842463
-0.1642577	cg22006640	4	6.98E-05	0.324630639
-0.1225167	cg18159802	11	0.01279835	0.463192426
-0.1132207	cg13401658	2	0.04203352	0.805706978
-0.1261717	cg11331078	10	0.04512485	0.90659669
-0.1482614	cg21649089	17	0.00513526	0.42381071
-0.106931	cg10553890	11	0.0062702	0.624402587
-0.1673108	cg17473898	19	0.00568968	0.659700102
-0.1337029	cg08166729	7	0.01296043	0.655450796
-0.1381684	cg01166876	2	0.01101163	0.72110768
-0.1360569	cg04134096	3	0.00399979	0.680076216
-0.1197522	cg11943058	21	0.00076333	0.308612228
-0.1889981	cg25161029	11	0.0436957	0.449036463
-0.1726769	cg26156321	1	0.00016571	0.28716404
-0.1360908	cg20428720	5	0.04169807	0.636225724
-0.1501448	cg09318283	8	0.02657191	0.790369003
-0.1334545	cg20473420	12	0.01932751	0.551763282
-0.1208974	cg13830300	17	0.04630253	0.656293204
-0.1794247	cg01612366	4	0.00193953	0.276216862

-0.1805327	cg00792107	12	0.00712382	0.505684319
-0.1438226	cg24881973	4	0.02604935	0.347202348
-0.1061764	cg12016405	6	0.01017837	0.784487398
-0.1532412	cg22082780	1	0.0027624	0.918278005
-0.1028687	cg17942618	1	0.00066893	0.313188679
-0.1894269	cg11119694	12	0.00213103	0.393085693
-0.143983	cg12131828	17	0.00012779	0.267875238
-0.1145422	cg18475969	3	0.00985946	0.331287917
-0.1413743	cg11028622	3	0.02041879	0.711726035
-0.1502948	cg08256175	12	0.01430355	0.833114133
-0.1460889	cg14698448	5	0.0128357	0.698125677
-0.1378246	cg10312186	6	0.01077575	0.833509466
-0.1130871	cg11581865	11	0.00656947	0.583813913
-0.1039897	cg09501717	2	0.01569579	0.790894758
-0.1001684	cg03862787	4	0.03855422	0.641284699
-0.1349895	cg12445832	1	0.02552507	0.575906189
-0.137874	cg26201596	10	0.01200998	0.690986081
-0.1478135	cg19383974	1	0.03556645	0.611340586
-0.1326642	cg14697657	5	0.00183661	0.247845827
-0.1566451	cg14503489	10	0.00922585	0.6033734
-0.2465647	cg05710982	4	0.01654602	0.238994917
-0.2019703	cg23686831	15	0.00197246	0.827347772
-0.3037263	cg05586863	16	0.01224875	0.747315898
-0.1557319	cg01829632	5	0.01910075	0.621529944
-0.1289361	cg08436738	2	0.02825207	0.717228406
-0.1163495	cg07735220	2	0.00214085	0.347619672
-0.1146238	cg06320150	22	0.04802754	0.718672955
-0.1375678	cg08832234	8	0.00023669	0.63192231
-0.1109189	cg04689582	10	0.0420775	0.479966188
-0.1084989	cg08732659	16	0.00158387	0.684301183
-0.1444703	cg11732301	1	0.03592202	0.752454857
-0.2311316	cg07316846	2	0.01028003	0.699714445
-0.1355378	cg16759813	2	0.00571896	0.513786037
-0.1365179	cg16906187	13	0.00061242	0.701940972
-0.1561168	cg11134052	14	0.01520805	0.432838501
-0.2266511	cg09880331	5	0.00203014	0.814480582
-0.1509984	cg17791977	5	0.02601562	0.440326889
-0.1421669	ch.3.82259654F	3	0.0002921	0.240657579
-0.1358189	cg13711966	2	0.01822533	0.545635246
-0.123743	cg02443306	11	0.02258267	0.383450925
-0.1226178	cg12988117	7	0.00141139	0.299757608
-0.1238607	cg02484634	7	0.01106531	0.880018028
-0.1057859	cg14397231	4	0.02832424	0.395418617
-0.2924639	cg05271255	17	0.00411751	0.274651714
-0.2767893	cg13399203	10	0.0361137	0.80983002
-0.2039458	cg07969684	2	0.00126675	0.640389668

-0.1882914	cg22764700	17	0.01671643	0.459567634
-0.1722129	cg11019430	10	0.01239427	0.750540048
-0.1030275	cg24057775	1	0.02472817	0.677226525
-0.1744757	cg24335070	2	0.03071161	0.540729752
-0.1310867	cg15850739	15	0.00648924	0.487858234
-0.1293333	cg06195193	13	0.00017143	0.281884621
-0.1546363	cg16943505	11	0.00120246	0.896879749
-0.1742218	cg25720825	1	0.04554843	0.612944037
-0.1645363	cg09478002	2	0.00118499	0.293880109
-0.1147906	cg26833936	1	0.007168	0.84991687
-0.1927091	cg00516092	20	0.01279454	0.328649527
-0.1093693	cg20435594	11	0.01118866	0.543064503
-0.1134353	cg05310486	15	0.00215303	0.791136747
-0.2647796	cg01610123	5	0.01867326	0.718054411
-0.2653927	cg07735586	3	0.0491997	0.728958087
-0.1711708	cg04244152	10	0.02572782	0.762493975
-0.1265713	cg08894532	19	0.02337882	0.567078437
-0.1063699	cg05360774	2	0.03314462	0.648531457
-0.2082297	cg22877366	1	0.00453227	0.487573213
-0.1841386	cg07833951	1	0.03310994	0.582128893
-0.1457786	cg18129996	7	0.01017962	0.88913304
-0.1336569	ch.10.80061816F	10	0.00755574	0.334013941
-0.1449361	cg20072118	12	0.02931966	0.794676441
-0.1039849	cg15867307	2	0.03655792	0.489452072
-0.1017309	cg06822193	15	0.02867065	0.436684037
-0.1521146	cg21046148	5	0.00481442	0.70525944
-0.1602166	cg23261107	7	0.01428187	0.818437107
-0.2650056	cg07371521	5	0.00586884	0.696970183
-0.1735492	cg11905324	8	0.03731269	0.847926351
-0.1078224	cg18672998	17	0.00581964	0.464012307
-0.1695741	cg09364426	1	0.02418091	0.356095456
-0.1063985	cg19807286	5	0.017097	0.816707354
-0.1055237	cg14223856	9	0.02190388	0.663669065
-0.1035978	cg17224892	17	0.00985764	0.440970107
-0.1065271	cg10308673	11	0.02144788	0.471400887
-0.2098095	cg21567649	2	0.00673448	0.430011504
-0.1723747	cg12999267	12	0.01451289	0.325498474
-0.1782276	cg21237959	14	0.00882619	0.5707046
-0.124373	cg02273797	1	0.01679171	0.489619664
-0.1376546	cg04804321	8	0.01021957	0.798085084
-0.1021564	cg08529744	1	0.02173728	0.586697359
-0.1842014	cg01955492	6	0.01291544	0.411584054
-0.1696013	cg10606620	4	0.00876901	0.821085331
-0.1360496	cg24454932	6	0.00074287	0.649479189
-0.1095185	cg26189303	5	0.04552502	0.653223672
-0.1334183	cg08324862	12	0.00614202	0.683360185

-0.116287	cg14747813	8	0.00338219	0.697214447
-0.2007638	cg02452500	11	0.00040155	0.281412205
-0.1987738	cg14552947	10	0.01094787	0.254291084
-0.1660304	cg06484100	17	0.01987191	0.44369197
-0.1687253	cg21971799	11	0.01169462	0.702312922
-0.1486635	cg06655665	2	0.01358289	0.467205322
-0.2240836	cg19916740	22	0.023054	0.621028143
-0.1000994	cg16797421	6	0.00439956	0.230776046
-0.1447565	cg01439876	1	0.02633804	0.674554846
-0.1698189	cg25476130	8	0.03000192	0.593233799
-0.1196243	cg13017983	8	0.00191593	0.277498449
-0.1181103	cg18766033	5	0.04471185	0.871664944
-0.1162748	cg01423389	3	0.00249041	0.67110149
-0.1274357	cg03254336	10	0.01414796	0.308691319
-0.1484275	cg24428600	1	0.00392871	0.665466253
-0.2000949	cg11422851	8	0.03214498	0.822708808
-0.3063326	cg21707089	8	0.00977973	0.436529122
-0.1371548	cg09468832	21	0.04658025	0.458971132
-0.1200946	cg09372486	19	0.03706748	0.553517089
-0.1227798	cg21653474	6	0.0173684	0.486588499
-0.1903367	cg09499095	2	0.01140539	0.344972723
-0.2504734	cg11959697	1	0.00981004	0.494459653
-0.1677401	cg04722349	2	0.04099663	0.52689704
-0.1336955	cg26545519	2	0.01410653	0.662768574
-0.1243863	cg26994377	4	0.00379262	0.28112655
-0.1206259	cg27295434	1	0.01392652	0.852844956
-0.1393292	cg25961816	6	0.03336697	0.62844024
-0.121087	cg01114033	11	0.0027296	0.366079485
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-0.2251566	cg07121693	10	0.00371753	0.463658365
-0.1464188	cg12082015	2	0.02127053	0.59885254
-0.194045	cg18761422	15	0.00065706	0.377304734
-0.1769772	cg01934638	1	0.00717881	0.714780569
-0.1539619	cg18496440	5	0.00029099	0.449282333
-0.1380692	cg03273315	8	0.00878809	0.445053495
-0.1206943	cg26267430	15	0.00400838	0.594256264
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-0.1125367	cg02360002	6	0.01353127	0.814275599
-0.1079316	cg25898192	15	0.01261588	0.231617464
-0.2071481	cg23730408	18	0.02863803	0.778748365
-0.1383692	cg02867776	5	0.0290501	0.424333023
-0.1448384	cg11007120	13	0.00441943	0.438580898
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-0.1462629	cg16651768	1	0.03008269	0.575556505
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-0.1281312	cg22378095	6	0.02665584	0.618702626
-0.2482143	cg12434362	5	0.00463069	0.778466713
-0.1597487	cg05710540	4	0.00087579	0.656145222
-0.1010903	cg16211174	7	0.01190514	0.623920818
-0.106782	cg15083851	7	0.03738066	0.539590892
-0.1710172	cg22590099	17	0.00521071	0.458575971
-0.1502313	cg15265102	17	0.0244247	0.634615557
-0.1128442	cg21228270	9	0.01542532	0.704780091
-0.1012022	cg10416784	2	0.00544526	0.480816638
-0.2103685	cg14897569	15	0.01515895	0.624247382
-0.1958175	cg04225368	2	0.01230854	0.467772797
-0.1089846	cg01899624	5	0.01189376	0.849138077
-0.1160839	cg03190769	2	0.02094394	0.335883491
-0.1717653	cg01018477	5	0.03895809	0.651636357
-0.270203	cg13300246	7	0.00313066	0.363715863
-0.1196265	cg13612936	2	0.00290189	0.344789534
-0.1031833	cg01761966	6	0.03583624	0.85292628
-0.1213054	cg00296903	9	0.04990654	0.541645151
-0.1249818	cg12763430	10	0.01001718	0.396027903
-0.1671137	cg02326806	15	0.0003379	0.87943732
-0.148386	cg00688840	14	0.01561215	0.36671154
-0.1258006	cg20933946	15	0.00261433	0.847576248
-0.2333262	cg20170223	20	0.0094936	0.586847088
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-0.1679637	cg08692111	19	0.03121105	0.406938232
-0.1642059	cg25024214	1	0.00108726	0.74631592
-0.1091565	cg21852792	2	0.04893011	0.695041084
-0.2743045	cg07770402	18	0.03014892	0.759725118
-0.2452785	cg04667681	15	0.03815778	0.89679683
-0.174277	cg10357314	11	0.01967828	0.853512144
-0.1555879	cg07368069	12	0.00065953	0.294961989

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-0.1406858	cg20991420	2	0.02646752	0.772373999
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-0.2348381	cg17593342	6	0.00592098	0.675253064
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-0.1976858	cg01068621	1	0.01013414	0.863596085
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-0.1737579	cg21807262	14	0.00184547	0.714328572
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-0.1595039	cg19683821	10	0.04566991	0.776060857
-0.1585868	cg09678539	2	0.02694883	0.593631959
-0.1584686	cg18229196	10	0.02225075	0.746726096
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-0.1843189	cg19092317	5	0.01529328	0.699483684
-0.1777947	cg16295461	4	0.01417062	0.591036327
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-0.1556239	cg06480353	7	0.01609821	0.383940115
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-0.1069956	cg03155159	16	0.00128478	0.336982236
-0.1018037	cg06560169	5	0.00718817	0.46185908
-0.1017145	cg09417209	16	0.00505806	0.738246764
-0.1016609	cg12570032	11	0.02493901	0.687592592
-0.1006106	cg22909709	8	0.00915753	0.729966845
-0.193645	cg12586707	4	0.02269763	0.670244646
-0.1233302	cg06798115	3	0.02625767	0.553585849
-0.1785191	cg27336587	15	0.00138984	0.790831633
-0.1692168	cg02502233	6	0.00139778	0.301244017
-0.1245335	cg05210615	17	0.00061419	0.32780311
-0.1040125	cg09735822	12	0.00588996	0.527306088
-0.1243889	cg20470975	6	0.01911762	0.736002214
-0.1675516	cg17109725	1	0.01914043	0.454396919
-0.1017458	cg00277334	10	0.0159774	0.405399319
-0.2096463	cg15724945	1	0.04002243	0.866380849
-0.1800262	cg15708526	6	0.04575131	0.798124062
-0.1541346	cg27407390	15	0.04103986	0.843054279
-0.1141656	cg27024272	16	0.01870042	0.647567333
-0.2018078	cg15649384	2	0.03083166	0.72019232
-0.111985	cg26904260	11	0.03034423	0.444206205
-0.1384347	cg11886187	17	0.01241426	0.722374555
-0.1701244	cg04104789	15	0.0047697	0.659299157
-0.1732629	cg07353006	8	0.00989552	0.460656933
-0.1682012	cg12032650	7	0.03012963	0.572697087
-0.102014	cg19677281	14	0.00083981	0.348108623
-0.1567677	cg01298102	16	0.03374761	0.638012933
-0.1353486	cg09332091	19	0.00476815	0.592400843
-0.1321169	cg12950030	14	0.00142893	0.427041528
-0.1215064	cg25488749	21	0.02809966	0.684864308

-0.1034923	cg08530838	5	0.02384035	0.701585005
-0.1478872	cg03076094	16	0.00257969	0.549839954
-0.1146372	cg04544946	8	0.00158521	0.617704243
-0.1524803	cg26967100	14	0.00028817	0.73638661
-0.1054486	cg11018892	6	0.00199071	0.770588302
-0.1026548	cg26391564	7	0.00178639	0.312619178
-0.1010782	cg18808466	13	0.0023106	0.835657391
-0.1164068	cg16031846	8	0.00223044	0.52367249
-0.11592	cg08859406	5	0.01532845	0.497797276
-0.1122933	cg03781727	7	0.01046928	0.726396972
-0.2494647	cg07080244	11	0.02500717	0.49565907
-0.1708453	cg09801824	10	0.01066149	0.781671524
-0.1592389	cg24095864	22	0.0036512	0.404332187
-0.1279818	cg13376120	2	0.00795364	0.368289044
-0.1137256	cg07786355	10	0.01735214	0.8079025
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-0.116145	cg19429051	5	0.0311161	0.662255173
-0.1326982	cg12011343	6	0.00649647	0.717143503
-0.1080149	cg12207248	3	0.02826424	0.570037217
-0.1060112	cg20992785	6	0.03662312	0.672850298
-0.1031822	cg08313539	6	0.01218149	0.414682099
-0.1172614	cg13819609	9	0.00321963	0.83992305
-0.1897046	cg12404462	2	0.0028302	0.804608266
-0.1018796	cg07271186	7	0.0047246	0.421753013
-0.2676262	cg10898182	5	0.00029105	0.756370797
-0.1410387	cg00248242	2	0.02693691	0.377828404
-0.1396028	cg20670946	12	0.01016431	0.496565046
-0.1377817	cg04373760	16	0.03432851	0.400616422
-0.1315654	cg24215812	10	0.03058215	0.541007077
-0.1588948	cg16846514	11	0.04803038	0.774049705
-0.2010783	cg07143815	8	0.00201469	0.345488956
-0.2063366	cg02291164	14	0.00638447	0.853903391
-0.1883763	cg06937927	8	0.00144872	0.618106343
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-0.1597821	cg19619817	10	0.0178254	0.81232559
-0.1371144	cg26088680	14	0.00256044	0.756502932
-0.1369803	cg22881265	3	0.02501062	0.482426109
-0.125589	cg03171003	2	0.00064762	0.340319402
-0.1365217	cg14893576	2	0.01474515	0.385071521
-0.1150419	cg11367260	10	0.02983805	0.638031008
-0.1353687	cg14327296	14	0.00538875	0.389977961
-0.2034712	cg00345744	7	0.04628343	0.495754969
-0.178616	cg09525295	7	0.0369831	0.660026693
-0.2265905	cg14560364	9	0.0267632	0.650214851
-0.1479074	cg00512484	18	0.01324991	0.634596792
-0.1153956	cg18096962	5	0.00232638	0.685837932

-0.1087827	cg12319143	10	0.04847804	0.374776468
-0.1151906	cg21177821	14	0.04213508	0.710259342
-0.1320674	cg10791884	8	0.00172382	0.851337094
-0.1341233	cg14424963	9	0.01478977	0.768828543
-0.1426542	cg14298777	19	0.00535635	0.563432877
-0.114474	cg01524149	16	0.00042483	0.380721678
-0.113022	cg13993197	1	0.02122421	0.512282978
-0.1761778	cg00054639	2	0.00059019	0.309929157
-0.1657539	cg04659537	2	0.01959868	0.456906607
-0.2102369	cg15702677	2	0.00384626	0.492961011
-0.1959374	cg02045948	3	0.00545547	0.318819714
-0.1170822	cg20301074	14	0.0332211	0.932992504
-0.1533864	cg23089445	8	0.00155676	0.539991154
-0.1513557	cg08267250	10	0.00013571	0.272978458
-0.1909076	cg06914505	15	0.03434408	0.459151292
-0.1334107	cg17391194	11	0.00159786	0.818015388
-0.1265136	cg09145690	8	0.04435283	0.782193676
-0.1026388	cg01957897	15	0.00273929	0.601583079
-0.1605905	cg02954563	14	0.00744038	0.435386867
-0.1492701	cg00192026	4	0.00079924	0.8407835
-0.1711221	cg11810998	1	0.00624518	0.599389739
-0.1055489	cg10718614	1	0.00978051	0.771499553
-0.1766459	cg07161369	7	0.00425473	0.607964651
-0.1362094	cg24116380	5	0.00828548	0.781936424
-0.1278844	cg11012965	6	0.00582049	0.434218195
-0.1873142	cg27198040	12	0.03144013	0.753623279
-0.1358516	cg03097134	6	0.02412303	0.464721717
-0.1580979	cg07959469	15	0.00802907	0.749355044
-0.1976049	cg11763066	6	0.02060774	0.351354275
-0.1190357	cg15871797	14	0.01270123	0.609075989
-0.1514185	cg05199874	11	0.02242703	0.823052932
-0.1486612	cg15481493	11	0.03268335	0.831108336
-0.1037926	cg18275589	5	0.0217717	0.342015175
-0.1033904	cg20544372	7	0.01347545	0.443879321
-0.161372	cg23919830	21	0.03286679	0.60078644
-0.1231182	cg26124526	5	0.04667039	0.631000977
-0.1058301	cg17955599	22	0.00974374	0.656939779
-0.2424557	cg00745046	10	0.04202567	0.812279822
-0.1420154	cg07106394	14	0.00134052	0.503746893
-0.1564339	cg03848421	10	0.01051047	0.406821816
-0.1505527	cg12379383	15	7.61E-05	0.710963381
-0.1476781	cg07343174	18	0.00504331	0.736854514
-0.1476541	cg01889956	6	0.00201469	0.331726706
-0.1115254	cg23717725	18	0.01275254	0.724733022
-0.1061775	cg10238080	12	0.0234129	0.662574951
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-0.1722284	cg09232555	8	0.00362461	0.80519447
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-0.1078046	cg11958234	1	0.00845028	0.845338258
-0.1638025	cg26382080	12	0.0024	0.730601934
-0.1397642	cg27488824	4	0.01580253	0.750153465
-0.1370537	cg22452837	6	0.01296851	0.306995749
-0.1310211	cg00556100	1	0.0375423	0.728161045
-0.1246391	cg02137956	7	0.02181173	0.639225845
-0.1244827	cg20741040	1	0.00652603	0.724507015
-0.1003733	cg01632562	6	0.04084099	0.776426143
-0.1044848	cg05468458	5	0.01111661	0.736007599
-0.1352295	cg00119778	6	0.01894379	0.239088254
-0.1342249	cg18633990	7	0.0309387	0.768403196
-0.1252757	cg10585371	1	0.00165735	0.257778998
-0.1051685	cg14357455	6	0.04922687	0.683677094
-0.1037903	cg26884658	18	0.02062162	0.434467913
-0.1684241	cg15835664	1	0.02093885	0.461187489
-0.1314904	cg18829827	5	0.00104853	0.701943947
-0.2030055	cg22976832	10	0.00013939	0.273618375
-0.1494665	cg23346544	8	0.04742478	0.67230227
-0.101625	cg02698668	19	0.00672683	0.300179092
-0.1416792	cg17888985	10	0.00613024	0.342513503
-0.114502	cg01768201	5	0.00948734	0.486548044
-0.1767371	cg04797957	17	0.00591221	0.277322267
-0.2029094	cg05762612	18	0.00620044	0.532589943
-0.1035816	cg14343713	11	0.01040661	0.569826591
-0.1456497	cg06728103	12	0.01010999	0.513906671
-0.1239014	cg09663343	11	0.0239552	0.753317106
-0.1075914	cg15852553	6	0.02007014	0.578809919
-0.1010559	cg16251016	19	0.01512127	0.565792592
-0.2304445	cg07029024	11	0.03087593	0.557416332
-0.135653	cg14118997	14	0.00198004	0.364525134
-0.1540922	cg13260148	3	0.03776056	0.552425895
-0.1512446	cg21132420	22	0.01296575	0.537759627
-0.1080012	cg14113958	9	0.03897826	0.764293936
-0.1473923	cg16899991	3	0.00313953	0.780871314
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-0.1333348	cg08719642	9	0.0015281	0.476583884
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-0.1529153	cg11079129	5	0.01515958	0.426667869
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-0.1290009	cg25673591	17	0.01340123	0.552946486
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-0.1316745	cg03402926	11	0.00267898	0.570581929
-0.1937228	cg02637031	5	0.0053714	0.454265919
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-0.17578	cg05191919	5	0.03412512	0.35118754
-0.1524241	cg06551697	17	0.0119797	0.827794559
-0.1419092	cg23843705	1	0.02312567	0.749662252
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-0.1340847	cg19318537	11	0.00043188	0.382247238
-0.1596164	cg10739715	6	0.0251	0.517121515
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-0.2038635	cg09726198	3	0.0349486	0.461546333
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-0.1975213	cg26269286	14	0.00083773	0.365359511
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-0.1461403	cg13330005	7	0.01471195	0.592665351
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-0.1414288	cg27076113	6	0.00224998	0.302232173
-0.1219352	cg14704980	7	0.01819388	0.890730619
-0.1151649	cg20117256	15	0.02000773	0.804055577
-0.1079354	cg00974255	17	0.00055136	0.687518098
-0.1007659	cg05144620	17	0.00251421	0.458635555
-0.1326929	cg26161816	19	0.0218487	0.824320793
-0.1505039	cg21550107	5	0.01001718	0.672873751
-0.1115409	cg00806644	10	0.0325528	0.509824163
-0.1086798	cg17159058	8	0.00528834	0.248805269
-0.2888627	cg17534999	11	0.02811542	0.611260723
-0.2786664	cg06434490	6	0.01132204	0.792093554
-0.207072	cg19233156	19	0.01235588	0.437165736
-0.1735571	cg19234738	3	0.00396152	0.507607853
-0.1459464	cg13732465	9	0.00229603	0.732354633
-0.1187255	cg25398315	8	0.00493321	0.543298416
-0.1066222	cg05512561	13	0.0039235	0.472313594
-0.1423099	cg13979708	6	0.0295908	0.681140003
-0.1057053	cg06894134	6	0.00440569	0.752940195
-0.1104539	cg03024791	11	0.00083907	0.488312159
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-0.1873214	cg04427254	19	0.00071222	0.298776261
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-0.121805	cg07076836	15	0.03559826	0.785719599
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-0.1839618	cg25439798	21	0.00525614	0.819543367
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-0.1090334	cg11370814	2	0.02671807	0.517054197
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-0.1655531	cg17796982	8	0.01377659	0.719094566
-0.1243776	cg11111372	7	0.00377432	0.450134676
-0.1506969	cg08454455	16	0.0029412	0.61318052
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-0.2897793	cg01360605	20	0.00888938	0.4453898
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-0.144103	cg03032497	14	0.00581964	0.578232211
-0.134344	cg24710503	11	0.01132836	0.803467507
-0.1212217	cg08108965	1	0.01766129	0.674334414
-0.1177526	cg16640358	2	0.01622806	0.464695228
-0.2486086	cg10615765	5	0.00770827	0.646790788
-0.2189873	cg00063982	1	0.02300033	0.874535041
-0.2106491	cg00269817	8	0.02135763	0.470380092
-0.2049781	cg00971695	14	0.04264043	0.805571894
-0.1990291	cg09533845	8	0.01175297	0.427065119
-0.1889847	cg02997560	19	0.03547513	0.535045591
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-0.1656987	cg03108347	11	0.02537165	0.812093296
-0.1633415	cg13452961	9	0.01593117	0.484806394
-0.1618448	cg23201812	11	0.00466594	0.236136544
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-0.1523116	cg02932364	1	0.02554189	0.614442065
-0.1475767	cg16444607	2	0.03776076	0.679961724
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-0.1056166	cg04821993	7	0.02268635	0.403398051
-0.1055025	cg21551253	12	0.00322496	0.622284464
-0.1032435	cg11721349	6	0.00630328	0.292917887
-0.1019928	cg04710528	16	0.00102931	0.358792136
-0.1011912	cg20405742	6	0.03795659	0.654300551
-0.1010628	cg14097568	1	0.02017183	0.85277813
-0.1005344	cg11261850	11	0.00694282	0.546629209
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-0.2114449	cg18235078	12	0.01049739	0.764872302
-0.2053743	cg11374933	8	0.00305205	0.472892929
-0.158745	cg17247190	6	0.00744348	0.287815463
-0.1485713	cg10256255	2	0.00090542	0.885619982
-0.1368691	cg08814800	4	0.00013657	0.457291336
-0.1322753	cg22164009	6	0.03089066	0.484480353
-0.1305577	cg08800670	6	0.02105796	0.677747331
-0.1228659	cg17588094	8	0.00591777	0.803249979
-0.1165077	cg25662822	3	0.01031233	0.739570632
-0.1142887	cg15281710	15	0.00464224	0.827574168
-0.1131925	cg22005336	5	0.01869499	0.411560814
-0.12293	cg04075781	3	0.0043874	0.523120511
-0.1484081	cg14630001	3	0.00088822	0.605776044
-0.1072401	cg07737182	1	0.01349415	0.7123438
-0.1963651	ch.4.194519R	4	0.00397229	0.32471309
-0.110453	cg17816357	7	0.00545547	0.635788102
-0.1287179	cg12635790	8	0.03848639	0.58414742
-0.1189166	cg08022281	6	0.02533268	0.702192265

-0.1543721	cg16308270	1	0.0105422	0.380237482
-0.1068908	cg04206637	5	0.00139314	0.565726787
-0.2615118	cg03261725	17	0.00341549	0.700227116
-0.168468	cg04843568	5	0.01122554	0.364606969
-0.1657234	cg11034978	11	0.02782288	0.439449911
-0.1213271	cg16404784	14	0.01467509	0.521135882
-0.1452134	cg20168495	4	0.00723386	0.800838299
-0.1323426	cg17064090	11	0.01467603	0.552097273
-0.1399308	cg05810177	7	0.00150087	0.765113101
-0.1326005	cg26015163	13	0.00288323	0.470416892
-0.1066083	cg26426334	1	0.01285423	0.480473917
-0.1819069	cg26027052	6	0.00830708	0.299188611
-0.1495211	cg22540040	12	0.00582777	0.523611152
-0.1205809	cg20801645	15	0.0244864	0.596336277
-0.1023053	cg03262802	2	0.00581404	0.777303202
-0.1048231	cg07191524	16	0.0128584	0.703391704
-0.1541653	cg11176481	5	0.027524	0.410236213
-0.1356209	cg11492723	3	0.00067267	0.366898271
-0.1253145	cg25794147	7	5.40E-05	0.367274596
-0.1070922	cg22341513	18	0.00145034	0.523614058
-0.162649	cg01901101	1	0.02117668	0.823065078
-0.1763556	cg01577678	16	0.00509558	0.741855261
-0.2129618	cg08241307	11	0.00148372	0.388461198
-0.1812155	cg06178669	11	0.01089849	0.571645112
-0.1656	cg21832142	3	0.00902378	0.35745056
-0.1352168	cg01450566	20	0.00156609	0.655329703
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-0.1308775	cg18537464	18	0.02484624	0.634889658
-0.1129134	cg19045700	4	0.02146523	0.590815581
-0.1119167	cg21502476	3	0.0179272	0.481746587
-0.1612556	cg00321614	5	0.00750419	0.410290925
-0.1600986	cg03309393	6	0.00804034	0.811678061
-0.1260356	cg14531834	9	0.02675797	0.76397745
-0.1276373	cg04203453	8	0.00562945	0.401160172
-0.1633872	cg01977798	1	0.0078912	0.851849562
-0.1018312	cg14747132	12	0.03008509	0.653859648
-0.1009637	cg06828143	5	0.02651006	0.444427083
-0.1154612	cg03263730	1	0.01464967	0.816801053
-0.179749	cg03116182	11	0.00163867	0.414329366
-0.1510116	cg25503888	3	0.00408183	0.447235983
-0.1559587	cg25631739	5	5.22E-05	0.275703617
-0.1018724	cg05148180	10	0.02231618	0.662331971
-0.1110479	cg04316353	6	0.01414842	0.726732243
-0.1002987	cg23542902	3	0.00027715	0.318965375
-0.1081079	cg02134839	17	0.00623632	0.691657031
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-0.1181254	cg10925915	3	0.04176855	0.597061305
-0.1026978	cg01558960	16	0.04099429	0.657894229
-0.1404643	cg27380715	17	0.00618282	0.54561226
-0.127957	cg08281371	17	0.03849041	0.589910981
-0.1002969	cg16799831	6	0.00689937	0.42644307
-0.1715323	cg04057599	11	0.01204766	0.823550332
-0.110781	cg09140029	6	0.02520547	0.390349384
-0.1886342	cg01848115	21	0.04237428	0.511372489
-0.1034573	cg17765025	2	0.00906245	0.798318681
-0.1769708	cg09121680	7	0.00230751	0.434297858
-0.1203348	cg09539496	8	0.00637775	0.693492332
-0.1388139	cg10274208	13	0.0363319	0.742057358
-0.1832844	cg19019849	4	0.00308551	0.656774307
-0.1867027	cg16135989	5	0.00582835	0.429597895
-0.2265202	cg10620680	1	0.01868664	0.761311635
-0.1589947	cg16701896	7	0.00679454	0.742197638
-0.1494617	cg02296931	1	0.01675705	0.662186354
-0.118369	cg12362478	7	0.00586192	0.505837053
-0.1533742	cg15677600	5	0.00696323	0.592945893
-0.1529008	cg08655662	6	0.00041647	0.648380075
-0.1421433	cg07612923	3	0.00501281	0.283560346
-0.1023341	cg06025774	5	0.02326767	0.665951728
-0.1574973	cg27200630	3	0.0128181	0.460901971
-0.1178447	cg14719333	17	0.01519166	0.663406427
-0.1025063	cg19549902	7	0.00053204	0.884888234
-0.104955	cg07089056	3	0.00201344	0.385764175
-0.1039048	cg06579481	7	0.03829792	0.530669159
-0.1816916	cg13324311	7	0.00590556	0.613713418
-0.163919	cg01514353	22	0.00154897	0.462512134
-0.160469	cg01482969	11	0.01755968	0.381763271
-0.1315611	cg22822656	8	0.00837816	0.352400358
-0.1274794	cg17051543	10	0.02116803	0.551689372
-0.1027868	cg24882709	10	0.00217209	0.806644155
-0.1593064	cg00168634	4	0.01424049	0.420114587
-0.1694706	cg02104392	2	0.00236096	0.799378656
-0.1247528	cg10327067	8	0.0006412	0.321567168
-0.1067737	cg14184907	12	0.03819602	0.676602615
-0.1427226	cg10794973	6	0.02071636	0.804162727
-0.1356616	cg09266080	10	0.03484615	0.634566603
-0.1070225	cg13638282	9	0.03849427	0.697659223
-0.128048	cg03983740	10	0.0275951	0.589897611
-0.1090625	cg17989763	10	0.00180584	0.829752225
-0.1389604	cg14398113	15	0.02970508	0.777649548
-0.167714	cg26915329	13	0.00063947	0.460275442
-0.1352674	cg01966974	1	0.0115552	0.713267736

-0.1340166	cg26283879	8	0.04429507	0.694731865
-0.1133718	cg14785579	18	0.04824442	0.824055235
-0.1624951	cg12387205	2	0.01873899	0.800307421
-0.1592819	cg11676189	2	0.03464014	0.515657904
-0.1351006	cg10723431	14	0.01947387	0.691471893
-0.1292886	cg23634401	15	0.02415958	0.592168252
-0.1155967	cg00760950	13	0.00097451	0.763751932
-0.1915284	cg07082447	11	0.04090941	0.682476762
-0.1149044	cg08082810	14	0.0102033	0.776135471
-0.1522954	cg05460050	7	0.00673893	0.483597563
-0.1509446	cg08986840	8	0.01318508	0.302606873
-0.1239406	cg03247944	12	0.00807765	0.508973324
-0.1188991	cg00035969	1	0.00648924	0.716429152
-0.1730251	cg04921646	1	0.00761688	0.879540805
-0.1775943	cg13097800	14	0.00016652	0.618973938
-0.2152292	cg05209996	11	0.0036499	0.359421361
-0.2071102	cg08243401	13	0.01312601	0.774447873
-0.1511852	cg27478863	13	5.22E-05	0.292799837
-0.1295072	cg22021794	5	0.03335945	0.694937998
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-0.1066287	cg23753006	2	0.00730376	0.630679938
-0.1710285	cg13215862	15	0.00231025	0.479402874
-0.1598946	cg02395454	11	0.00633153	0.425160522
-0.1103634	cg17185404	3	0.00766333	0.795925968
-0.1968831	cg10068996	2	0.01198604	0.845117356
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-0.2144663	cg09812990	16	0.01397188	0.563312847
-0.1438063	cg24285811	9	0.01230088	0.838836031
-0.1281336	cg25329164	7	0.00529548	0.472623374
-0.1238036	cg15297220	4	0.00143371	0.675658319
-0.1118703	cg21513088	2	0.02065879	0.714632503
-0.1989716	cg14054279	3	0.00917441	0.637468898
-0.1591758	cg25946790	14	0.00721292	0.432658373
-0.1576433	cg10330056	2	0.00066098	0.321366134
-0.2063679	cg26611765	7	0.01836833	0.549198621
-0.1370392	cg06825878	7	0.02335215	0.621371557
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-0.1409505	cg00228735	7	0.01325888	0.659926449
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-0.1873442	cg00045910	10	0.00311095	0.304837064
-0.1466042	cg27372452	15	0.01193169	0.738719839
-0.1108868	cg00513984	12	0.0075055	0.577328389
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-0.1115078	cg15469321	1	0.04557272	0.874866688

-0.1126606	cg20171396	4	0.02028099	0.880621786
-0.1354587	cg15705813	2	0.04185464	0.52896008
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-0.1686396	cg00320288	16	0.01348136	0.869458739
-0.3404019	cg05234035	5	0.00045451	0.670547046
-0.3277786	cg10600730	20	0.01483233	0.678175107
-0.3079339	cg02849956	19	0.00317124	0.36469613
-0.3070631	cg02495743	11	0.0002117	0.269480545
-0.26079	cg00967073	1	0.00342347	0.3552472
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-0.1022329	cg05289920	15	0.01324133	0.796057946
-0.1354714	cg09088153	15	0.0007126	0.818397606
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-0.1029336	cg24449914	1	8.49E-05	0.667421374
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-0.179853	cg23506042	5	0.02203705	0.36363627
-0.1536769	cg20432671	1	0.01187786	0.525007316
-0.1023936	cg08217163	2	0.00110142	0.70398293
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-0.1071492	cg00935653	7	0.01026045	0.823659756
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-0.1343139	cg18643563	14	0.01941395	0.544151194
-0.1017232	cg24104268	6	0.00819895	0.535025772
-0.1726511	cg07915896	15	0.02575883	0.7938815
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-0.1027904	cg09832245	16	0.03175426	0.764346788
-0.1356857	cg06761220	2	0.00288382	0.653426996
-0.1500833	cg24491784	15	0.02993842	0.790780468
-0.1222847	cg27109912	17	0.01766792	0.515068686
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-0.1064169	cg01771479	8	0.0098426	0.62745851
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-0.1013961	cg18141622	2	0.02648384	0.659004769

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-0.1408229	cg08493063	16	0.01677558	0.564840509
-0.1464093	cg13602461	8	0.00104853	0.693960536
-0.1253342	cg04686230	6	0.01084931	0.419248317
-0.1486678	cg26272651	8	0.03518742	0.718911119
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-0.1843287	cg16037200	15	0.0081565	0.340892039
-0.1733184	cg15128147	2	0.02064845	0.584155271
-0.1678723	cg07749597	5	0.03847318	0.765494171
-0.2050406	cg24082677	5	0.04473517	0.499502976
-0.1420115	cg15693793	1	0.02679171	0.822244284
-0.1562281	cg25101764	2	0.01321273	0.816187524
-0.2135523	cg11747594	6	0.04480399	0.786842253
-0.1593551	cg14746387	5	0.01938614	0.860435335
-0.1309264	cg23155333	19	0.00409332	0.634415423
-0.1233582	cg06755427	2	0.00560087	0.572730771
-0.1125666	cg06547209	5	0.04720009	0.600958447
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-0.133507	cg17654419	2	0.03164208	0.741918743
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-0.1955036	cg20475082	2	0.0170536	0.610434786
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-0.1457916	cg12378001	7	0.00535967	0.775086497
-0.1416816	cg23739746	13	0.00035402	0.416131323
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-0.1550461	cg19868364	14	0.01775445	0.351523894
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-0.1880065	cg07030516	10	0.03558831	0.612710484
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-0.1286888	cg07505018	16	0.00066009	0.668228448
-0.1332579	cg22364204	11	0.00427683	0.648345854
-0.1158423	cg09477232	7	0.0133901	0.767230926
-0.1045552	cg20873416	6	0.04730317	0.786466415
-0.1982092	cg07302051	16	0.01017608	0.44119499
-0.1243978	cg25483123	12	0.01243631	0.773666183

-0.1427036	cg00151251	2	0.00075679	0.459035388
-0.1701861	cg05871756	5	0.02212219	0.469534133
-0.1636649	cg26296781	7	0.02532412	0.399685509
-0.131936	cg09030187	1	0.01421853	0.596439791
-0.1290566	cg09965264	15	0.00804626	0.526099002
-0.1998233	cg24617444	10	0.0060865	0.451184107
-0.1672644	cg04224025	1	0.00351245	0.774631666
-0.1240047	cg13426642	12	0.00908993	0.707961747
-0.1244887	cg02338840	2	0.00132293	0.784244811
-0.1507962	cg21535606	1	0.01353055	0.790003566
-0.107811	ch.2.105901354F	2	0.00050349	0.333489633
-0.2235857	cg06878499	1	0.01827219	0.794858164
-0.1221881	cg25607177	11	0.02367482	0.707433822
-0.1203628	cg12106403	19	0.01972819	0.737331388
-0.106799	cg05207637	16	0.0009872	0.567947961
-0.1206704	cg18739675	2	0.00861951	0.855969542
-0.1434462	cg04728978	2	0.0007317	0.725840813
-0.1415236	cg10168494	3	0.02651682	0.683495215
-0.1248474	cg26113233	5	0.00796038	0.614066083
-0.1176049	cg19589396	8	0.00256301	0.73990768
-0.147612	cg02131018	3	0.01654154	0.512374659
-0.1195239	cg14830485	20	0.02074741	0.523928837
-0.1125052	cg12071775	14	0.00058463	0.355232665
-0.1555734	cg16060189	10	0.01267749	0.679082472
-0.1112492	cg06822690	1	0.004821	0.533498091
-0.1064373	cg11754778	1	0.01648236	0.713288222
-0.1752873	cg26104072	5	0.0090773	0.510041377
-0.1363929	cg26540315	11	0.00245155	0.77100661
-0.1060095	cg27381488	16	0.0017168	0.375930694
-0.1636341	cg14189786	8	0.04068577	0.867182467
-0.1455979	cg21082028	17	0.01352508	0.732691841
-0.2025045	cg11964099	17	0.011311	0.597445938
-0.1137867	cg19148305	22	0.00299528	0.637382541
-0.1615661	cg07339138	3	0.00513721	0.789067146
-0.1188961	cg08837626	7	0.0178211	0.672731458
-0.1166297	cg07213119	4	0.03887592	0.707002056
-0.1017426	cg11624328	5	0.01955113	0.67925407
-0.1598235	cg12177851	15	0.03414579	0.741219556
-0.1388579	cg03059649	5	0.00089229	0.524903656
-0.1247385	cg27282397	2	0.0360259	0.803128559
-0.1129457	cg14718363	2	0.01567556	0.616667107
-0.1678691	cg07700233	4	0.03477734	0.806461469
-0.1170031	cg09051342	8	0.03659841	0.539888625
-0.1387617	cg25975690	7	0.01153346	0.826021043
-0.1056128	cg10721538	17	0.01141165	0.522725215
-0.1335288	cg11792671	2	0.01113474	0.602176186

-0.1202256	cg09599062	3	0.04751536	0.638456806
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-0.1215984	cg19061690	17	0.00303036	0.400675258
-0.1906158	cg24232510	2	0.04546847	0.690947812
-0.1867729	cg18234224	1	0.00828186	0.878087293
-0.1611437	cg03499161	12	0.00094031	0.390503753
-0.1177904	cg00583068	1	0.02396889	0.737906783
-0.1676907	cg20708282	5	0.01962093	0.732114362
-0.1463243	cg19530168	11	0.03434194	0.542045222
-0.1308596	cg02682520	5	0.00190885	0.334666664
-0.1233786	cg09225373	6	0.00028216	0.372802527
-0.1032034	cg16230352	8	0.03458106	0.67757828
-0.1047146	cg26720452	8	0.0012069	0.513933179
-0.1384445	cg19111408	15	0.0043204	0.535650112
-0.1075843	cg04759376	10	0.00967916	0.558172154
-0.1680973	cg14699112	4	0.00020042	0.857551817
-0.1671859	cg13670898	14	0.01292415	0.624005914
-0.1646599	cg23091159	4	0.04494679	0.757538155
-0.1448593	cg09395805	6	0.01815408	0.625077547
-0.1148483	cg09544144	4	0.02019902	0.718917174
-0.106878	cg06432309	16	0.01040174	0.273741736
-0.1976425	cg21913652	11	0.00519168	0.792933581
-0.1842482	cg24610561	11	0.02343795	0.804522381
-0.182993	cg03317642	5	0.00647061	0.500859648
-0.1796247	cg15732079	7	0.02434447	0.572170708
-0.1752372	cg21211664	9	0.00834503	0.760076794
-0.1724961	cg19637330	1	0.00679194	0.459011392
-0.1715543	cg15321306	12	0.01962222	0.871782911
-0.139433	cg06677416	10	0.01791331	0.78534742
-0.1207769	cg03906681	15	0.02834409	0.693531111
-0.1106181	cg00024989	19	0.00015801	0.413493872
-0.1091617	cg26123824	10	0.00950359	0.630521687
-0.1080931	cg20012607	13	0.00237505	0.384613439
-0.1018637	cg15509286	3	0.00310446	0.66627958
-0.1326285	cg10840277	8	0.00611223	0.794591614
-0.1131488	cg04137004	11	0.00647789	0.788243919
-0.1152584	cg14213105	9	0.02407804	0.684844617
-0.1299832	cg01771065	14	0.03382016	0.764396936
-0.1238503	cg16041686	4	0.00090245	0.371636948
-0.122999	cg27324117	4	0.0050545	0.741579333
-0.1322982	cg04184019	4	0.00700386	0.386315019
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-0.1971779	cg08510178	6	0.00472476	0.510044041
-0.1929118	cg25341313	1	0.00678009	0.446114118

-0.1192889	cg04060356	20	0.00798338	0.2651046
-0.1152471	cg23052585	10	0.03406282	0.35328018
-0.1713648	cg26117369	13	0.02051533	0.578854551
-0.1091334	cg17180237	1	0.031656	0.661789562
-0.1062138	cg19462210	11	0.00893591	0.75160715
-0.1066916	cg21557087	2	0.00126955	0.801916157
-0.2546896	cg21614723	17	0.03681899	0.532439186
-0.2404764	cg03188000	12	0.02936365	0.616456979
-0.1723194	cg00055986	5	0.02146969	0.59370463
-0.1542151	cg11955727	2	0.00392894	0.844910719
-0.152402	cg15647364	1	0.01517271	0.502141607
-0.10871	cg02224021	19	0.00309652	0.510065776
-0.1183253	cg08461576	4	0.01473381	0.724932914
-0.1805366	cg05854694	14	0.00055779	0.773059579
-0.1353916	cg11678250	7	0.01373506	0.691741792
-0.1069252	cg06623778	1	0.01161015	0.585014164
-0.1180751	cg08866665	6	0.00417309	0.492418409
-0.1678714	cg20056997	2	0.01477902	0.452980748
-0.1167499	cg01438291	11	0.00153318	0.359599028
-0.1112714	cg11260715	7	0.00245155	0.443986093
-0.1058046	cg06338376	20	0.03643959	0.713372199
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-0.102401	cg22005990	17	0.0121202	0.515336158
-0.103627	cg26556489	18	0.00786351	0.71066196
-0.2325745	cg00568910	1	0.03977688	0.755709008
-0.198032	cg15825304	2	0.0206525	0.788828771
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-0.2422645	cg19849728	4	0.00011804	0.280980999
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-0.120932	cg27661394	4	0.02838377	0.572329819
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-0.1797014	cg22971216	2	0.01256039	0.5940619
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-0.1665798	cg20608895	13	0.04769718	0.62640909
-0.1434352	cg13842240	4	0.01263836	0.713842415
-0.150074	cg00252472	6	0.02802739	0.444492786
-0.1008417	cg07007382	6	0.00106491	0.384665127
-0.1482912	cg07231045	8	0.01866174	0.873191922
-0.2150693	cg10332116	16	0.00212384	0.405895177
-0.1579633	cg01164574	21	0.00181737	0.456091482
-0.1522657	cg02235918	6	0.03765185	0.728659326
-0.1077813	cg10780778	6	0.02754105	0.619163196
-0.2000341	cg03411579	12	0.00791855	0.495721097
-0.1207431	cg12818596	14	0.00832634	0.550921543
-0.1075617	cg25430838	10	0.01917366	0.772440101

-0.1612621	cg16723381	2	0.00531654	0.515243679
-0.1071442	cg02655361	3	0.00544497	0.739855405
-0.1513255	cg01994190	2	0.00132032	0.474799719
-0.1955409	cg02775243	10	0.04195508	0.693203899
-0.1231762	cg25928986	7	0.03043918	0.62201382
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-0.2363103	cg26962618	15	0.00107722	0.727632424
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-0.1321905	cg24954967	3	0.03028382	0.84154965
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-0.1043181	cg22254983	8	0.00110317	0.37026173
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-0.1161966	cg05464506	2	0.04506986	0.585330485
-0.1887555	cg08015107	11	0.01845618	0.566399033
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-0.2181517	cg04139043	1	0.01554632	0.615293112
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-0.1213314	cg04819760	10	0.00303946	0.384081802
-0.2750338	cg20889322	11	0.00097048	0.468637187
-0.2063226	cg26407841	7	0.04086775	0.526530978
-0.1584608	cg04064998	11	0.04017205	0.412087784
-0.1575803	cg16506426	5	0.03578681	0.783120432
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-0.1619202	cg14156905	1	0.01974934	0.744880211
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-0.2243874	cg27449200	15	0.0104443	0.588280956
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-0.166147	cg02148612	1	0.00086569	0.555070257
-0.1554533	cg20814718	8	0.00020658	0.583827869
-0.1540292	cg24292665	11	0.00052359	0.435377373
-0.1505493	cg21752469	8	0.00487563	0.346582461
-0.1455583	cg19266329	1	0.00641892	0.543135729
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-0.1058365	cg25028404	1	0.0050042	0.670395759
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-0.1032101	cg20052760	6	0.00310189	0.492101361
-0.1025067	cg01558931	5	0.0221256	0.444238523
-0.1024447	cg13716585	14	0.02272604	0.708629155
-0.2069409	cg00335219	16	0.00168732	0.565773276
-0.1245558	cg11564601	22	0.02582472	0.411558273
-0.1004168	cg23998071	7	0.00219305	0.440290717
-0.1273786	cg10943263	6	0.01699969	0.34842063
-0.1199519	cg19445758	6	0.02769821	0.602042092
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-0.1302976	cg26494138	2	0.00673317	0.711035423
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-0.1938665	cg16152753	10	0.03113458	0.593201998
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-0.2946684	cg14217495	1	0.01033173	0.608328303
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-0.2835076	cg22006060	4	0.00019359	0.30184909
-0.2826236	cg10348234	14	2.40E-05	0.324893076
-0.2811257	cg26448394	4	0.00686775	0.487783533
-0.2804924	cg05970116	10	0.00859727	0.65589803
-0.2787272	cg11942594	3	0.01234595	0.822307472
-0.2746591	cg26954951	6	0.00257438	0.6772906
-0.2710816	cg18926409	15	0.01087022	0.74199343
-0.2697641	cg17083685	13	0.04252603	0.577857884
-0.2613402	cg13873324	1	0.00251394	0.478521695
-0.2597041	cg02914097	3	0.00189897	0.423358272
-0.2590373	cg08454015	1	0.02340941	0.754003671
-0.25866	cg01495299	8	0.01884548	0.763127524
-0.2585956	cg06287548	21	0.01163152	0.640572369
-0.2547222	cg17126947	4	0.00679871	0.787619963
-0.2537959	cg17494199	13	0.01486595	0.795997594
-0.2529417	cg23340350	5	0.00166797	0.501873658
-0.2515257	cg21230425	7	0.00412729	0.847420301
-0.2515154	cg12091936	11	0.02944384	0.564795707
-0.2513517	cg09708616	6	0.00111365	0.407533259
-0.2511559	cg12254430	3	0.00321453	0.685063234
-0.2507311	cg18257574	2	0.00080356	0.379783994
-0.2501021	cg09517106	1	0.00724746	0.458675792
-0.2497432	cg04706962	8	0.00050117	0.833105814
-0.24903	cg00050294	1	0.00521395	0.802488446
-0.2480744	cg01423916	11	0.00839661	0.745473265
-0.2480317	cg05782888	8	0.00577668	0.649836288
-0.2476264	cg16312968	6	0.00233724	0.455292744
-0.2471732	cg02063817	7	0.00835634	0.750035375
-0.246021	cg04932082	6	0.01030523	0.729563719
-0.2443696	cg26562263	19	0.01778683	0.744018272
-0.2437146	cg11671598	4	0.00179097	0.622702395
-0.2428411	cg14553705	5	0.03150625	0.649732744
-0.2390792	cg13427361	4	0.03938661	0.647684069
-0.2389516	cg13067635	1	0.00333877	0.746078829
-0.2384856	cg00709966	7	0.02621259	0.813405484
-0.2376215	cg11746996	13	0.00117148	0.606228987
-0.2370552	cg26299756	6	0.00085862	0.438676573
-0.2370533	cg02380802	16	0.0266115	0.57571968
-0.2365611	cg05219445	6	0.00350029	0.556876726
-0.23601	cg27409484	6	0.00348727	0.407660259

-0.235369	cg00150785	20	0.00377799	0.569538336
-0.2347099	cg22013019	6	0.00287923	0.69302697
-0.2342773	cg07904073	10	0.01766792	0.627724433
-0.2329642	cg13401079	4	0.00066183	0.482448091
-0.2327892	cg04781339	21	0.00670431	0.522145284
-0.2324157	cg13432945	1	0.00101804	0.668404721
-0.2321458	cg13340765	8	0.01503288	0.763777291
-0.2321069	cg10148932	19	0.04864276	0.735974533
-0.2320479	cg07095347	6	0.00414013	0.486195747
-0.2314338	cg08858426	17	0.01615052	0.727411257
-0.2311733	cg06946797	16	0.00082465	0.44710634
-0.2307414	cg12109797	8	0.00582049	0.504343674
-0.2304197	cg01702055	6	0.02991677	0.589531672
-0.2290582	cg05191655	4	0.00677986	0.505545349
-0.2282834	cg06388350	4	0.00249564	0.347960153
-0.2277129	cg15476994	6	0.01087629	0.753491019
-0.2276975	cg10149296	2	0.02079082	0.757656194
-0.22624	cg05471881	13	5.88E-05	0.668557577
-0.2262306	cg18132787	1	0.00243458	0.745698027
-0.2261886	cg22786667	7	0.04052499	0.804163659
-0.2259735	cg23170646	4	0.00213373	0.496441721
-0.2250372	cg01240795	5	0.00460099	0.7591862
-0.2248321	cg15981982	2	0.01400471	0.75691098
-0.2245568	cg17477578	8	0.04538013	0.538265398
-0.2243888	cg12457659	21	0.00384317	0.547439582
-0.2239311	cg10193711	14	0.03241654	0.54160146
-0.2239069	cg19479609	2	0.00067068	0.498256231
-0.2227791	cg25113089	5	0.00200949	0.480360022
-0.2227139	cg24699005	19	0.0224495	0.663266886
-0.2225869	cg01816783	11	0.00019986	0.466011444
-0.2221658	cg13402298	1	0.00084375	0.884397479
-0.2221304	cg01227239	4	0.01072617	0.481409291
-0.2220805	cg04526361	7	0.00022415	0.550116144
-0.2218316	cg09571950	3	0.02300033	0.787425868
-0.2207427	cg25314284	11	0.00161252	0.513226639
-0.2198807	cg23614811	17	0.00934349	0.413817296
-0.2198306	cg14212012	3	0.00066484	0.315892626
-0.2193851	cg10703884	3	0.01040341	0.43733077
-0.2192997	cg02621151	5	0.01224334	0.444320395
-0.2191831	cg20617957	13	0.00152272	0.437604991
-0.2190432	cg21949194	2	0.0057274	0.74374181
-0.2189212	cg20956390	14	0.01037261	0.472499116
-0.2185376	cg10233830	12	0.01727782	0.399674506
-0.2185354	cg03618113	12	0.01264149	0.685304189
-0.2182894	cg00460983	10	0.00183714	0.791016919
-0.2181012	cg07417348	12	3.77E-05	0.323556239

-0.2179508	cg25747670	1	0.00450651	0.683009436
-0.2178896	cg18334977	3	0.00148262	0.745621877
-0.2177989	cg19867579	2	0.00860922	0.519970025
-0.217753	cg06934774	7	0.04789124	0.825857114
-0.2177217	cg16933229	4	0.00822547	0.489615296
-0.2175446	cg14653136	1	0.00038287	0.431657175
-0.2171206	cg23464619	13	0.04450498	0.610287994
-0.216853	cg16440978	14	0.0065323	0.351965479
-0.2163891	cg23618477	6	0.00868275	0.675360518
-0.2161298	cg00960147	1	0.00558925	0.460695007
-0.2158119	cg15717275	22	0.00237676	0.61703302
-0.2151124	cg07970146	2	0.00906489	0.704750238
-0.2151096	cg21348406	17	0.00513896	0.707291024
-0.214972	cg01510278	16	0.01480995	0.43357764
-0.2138989	cg27621721	3	0.01406057	0.515855805
-0.2138154	cg13857933	1	0.00107112	0.424579298
-0.212388	cg14947010	16	0.00984979	0.612432032
-0.2123866	cg05940672	2	0.00935502	0.651943098
-0.2122121	cg11366886	20	0.01646259	0.773706781
-0.2121489	cg25537245	17	0.00118984	0.54406758
-0.21191	cg06926146	1	0.00223398	0.647273562
-0.2118709	cg04071967	17	0.00162897	0.549767798
-0.211376	cg07980854	20	0.00335356	0.509666515
-0.2110328	cg26906217	11	0.01121603	0.61179574
-0.210785	cg13052638	1	0.00275215	0.594524926
-0.2106571	cg20972199	11	0.00580764	0.641925597
-0.210522	cg21995261	11	0.00039343	0.588087036
-0.2102535	cg18489994	4	0.00444573	0.387724018
-0.2102306	cg27511894	1	0.00055176	0.616660045
-0.2101569	cg09662304	13	0.00366827	0.661593278
-0.209603	cg05492170	4	0.00026479	0.371597019
-0.2095611	cg22869030	4	0.00669998	0.474533011
-0.2092582	cg13905238	3	0.00201683	0.531682713
-0.2087219	cg01905967	5	0.00643076	0.540869927
-0.2081419	cg23408558	5	0.0015281	0.418369582
-0.2080768	cg00462107	5	0.00142394	0.52789087
-0.2080265	cg10784519	6	0.00080657	0.418882894
-0.2071768	cg07264203	3	0.01926853	0.813284918
-0.2068587	cg06635722	4	0.00243085	0.642703195
-0.2061899	cg01076704	20	0.01350385	0.715641261
-0.206023	cg03252770	4	0.00254161	0.462106054
-0.2060165	cg21301805	1	0.00026475	0.438838531
-0.2058652	cg00587301	6	0.02122996	0.691068954
-0.2058559	cg02320543	14	0.00245757	0.449672158
-0.205266	cg19748027	5	0.00286375	0.755638865
-0.205146	cg04399631	3	0.01422574	0.680750854

-0.2044946	cg00098029	4	0.00724176	0.602614771
-0.204272	cg02924234	2	0.02036171	0.683896846
-0.2040329	cg18728780	14	0.00282739	0.564090723
-0.2040161	cg14686297	22	0.01852374	0.633815107
-0.203002	cg11670789	15	0.00386483	0.70674329
-0.2026483	cg21172011	21	0.00900506	0.83983943
-0.2025272	cg00951857	6	0.00286981	0.649781683
-0.2023811	cg01721569	2	6.85E-05	0.701035434
-0.2022174	cg16564033	21	0.00715384	0.736306346
-0.2021759	cg13306522	5	0.01057537	0.611878508
-0.202081	cg04111102	1	0.00231178	0.692398881
-0.2019142	cg21514612	4	0.01744469	0.774272187
-0.2016062	cg10809166	12	0.00237816	0.679861584
-0.2012947	cg04998379	4	0.01412982	0.714393978
-0.2012436	cg24623760	12	0.04099285	0.835893083
-0.2010659	cg03593014	10	0.01096723	0.562301033
-0.2007529	cg17479943	1	0.00262635	0.687188015
-0.2002866	cg03214130	7	0.00086154	0.441467143
-0.20017	cg08381504	3	0.0180241	0.797982118
-0.1996614	cg06422883	5	0.00548391	0.631013085
-0.1996561	cg10281509	2	0.00102711	0.59007475
-0.1995335	cg06322557	3	0.00523533	0.689122038
-0.1986989	cg14358570	14	0.0003098	0.566960157
-0.1986539	cg02608831	8	0.00637775	0.681173467
-0.1982674	cg13106758	15	0.02188832	0.587773914
-0.1980977	cg10440877	2	0.00968932	0.702329903
-0.1979962	cg17472111	11	7.39E-05	0.359728737
-0.197474	cg25827670	17	0.00391195	0.587203553
-0.1971128	cg06215984	1	0.00405824	0.482828465
-0.1970145	cg09264231	1	0.01667266	0.636491921
-0.1969182	cg23090653	6	0.00813471	0.594660951
-0.1968702	cg02063759	1	0.02637909	0.62160327
-0.1966582	cg00602295	16	0.00681997	0.479248429
-0.196623	cg26304948	2	0.00172643	0.480516078
-0.1965595	cg27302301	7	0.01014277	0.670469856
-0.1964637	cg06361606	1	0.00106437	0.355579328
-0.1962889	cg00344422	13	0.02191322	0.671854168
-0.1962102	cg03185794	13	0.00197293	0.727647497
-0.1961414	cg15030449	1	0.00083087	0.505026726
-0.1961196	cg26570165	1	0.00199367	0.607989934
-0.1957148	cg24406240	11	0.01268746	0.623099929
-0.1955377	cg10466548	16	0.00035088	0.418022417
-0.1954566	cg13410764	9	0.00796999	0.551724938
-0.1953964	cg05317600	13	0.00419732	0.811057044
-0.1953218	cg01037082	22	0.0132361	0.746203462
-0.1953061	cg01195545	7	0.01904047	0.676964858

-0.1949816	cg16069079	15	0.0385962	0.744066907
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-0.194104	cg08230177	5	0.01770208	0.796339064
-0.1940254	cg09455881	3	0.01298157	0.704572702
-0.1940193	cg22251569	8	0.00795469	0.620884508
-0.1938149	cg05935904	6	0.00220434	0.550962254
-0.1938079	cg17140992	15	0.00101034	0.629050764
-0.193708	cg00092400	12	0.04435613	0.731381023
-0.1935522	cg22642485	5	0.00300732	0.530584212
-0.1935295	cg25831439	2	0.01472825	0.632894977
-0.1935218	cg21833076	11	0.00106045	0.581684883
-0.1934179	cg03663556	7	0.00303443	0.406359297
-0.1933517	cg14855679	4	0.00076863	0.62073203
-0.1928629	cg10714509	1	0.00019986	0.610345573
-0.1926174	cg26394636	10	0.01795642	0.815701093
-0.1925811	cg14675881	2	0.00241653	0.775990756
-0.1924712	cg11383134	6	0.01187492	0.850819554
-0.1921482	cg03127349	10	0.00072247	0.446354081
-0.1919708	cg25044514	2	0.00201017	0.381835624
-0.1916855	cg04230891	6	9.93E-05	0.458019762
-0.1913227	cg12659883	1	0.01374378	0.630970851
-0.1911696	cg00172872	12	0.00856018	0.837238553
-0.190904	cg15331705	8	0.0032554	0.44675565
-0.190252	cg14129735	6	0.0132069	0.722643612
-0.1901049	cg14845812	2	0.01604627	0.836515334
-0.1900228	cg07356549	1	0.03115791	0.497370335
-0.1898917	cg05662444	5	0.00292301	0.657269444
-0.1898165	cg08894020	5	0.00403946	0.657992691
-0.1893538	cg08981669	7	0.00172155	0.747216282
-0.1892367	cg09553242	5	0.01770202	0.774471367
-0.1891234	cg02373784	4	0.01010697	0.731256965
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-0.1885073	cg21393051	1	0.000584	0.515428049
-0.1881503	cg10134799	6	0.00371521	0.634589361
-0.1878789	cg05979457	8	0.01065241	0.435795329
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-0.187512	cg09889228	16	0.0030301	0.637427415
-0.1874399	cg10601624	12	0.00139867	0.549069685
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-0.1869666	cg04510459	1	0.00359802	0.612178043
-0.1869655	cg07807757	7	0.0133422	0.694520236
-0.1868727	cg19485103	6	0.00088822	0.506312192
-0.1868451	cg05234552	6	0.00104839	0.495582517
-0.1867493	cg04405704	6	0.00122333	0.547717794
-0.1863973	cg05933510	1	0.02657868	0.797803441
-0.186361	cg26314722	1	0.01484693	0.749262815

-0.1862758	cg10129391	4	0.0019814	0.55006585
-0.1862369	cg14671011	5	0.007971	0.743220457
-0.1861367	cg24674269	13	0.03130986	0.770065979
-0.1859475	cg07453778	6	0.00207283	0.547231756
-0.1858993	cg01020413	2	0.00106209	0.744391481
-0.1858526	cg26325867	6	0.00109389	0.492260639
-0.1857725	cg01250603	10	0.00190885	0.800761799
-0.1857512	cg15457481	4	0.00220399	0.738841241
-0.1856746	cg16667631	5	0.00831048	0.825817159
-0.1855887	cg21399203	4	0.01524277	0.622940479
-0.1855	cg17666418	6	0.02166581	0.698428801
-0.1853961	cg15540602	14	0.0009114	0.63491155
-0.1853577	cg07243202	8	0.00212896	0.52240955
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-0.1852234	cg22540135	19	0.02279713	0.690025914
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-0.1839368	cg21814178	12	0.00042688	0.462752185
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-0.1837428	cg24941342	11	0.00166356	0.815899929
-0.1833732	cg11241663	2	0.00159397	0.597310625
-0.1831832	cg00657780	16	0.00869957	0.700942091
-0.1829892	cg16652303	11	0.0030666	0.618815652
-0.1829099	cg06685282	3	0.00224433	0.505682842
-0.1824996	cg23229770	2	0.01280327	0.663157429
-0.1820227	cg24549912	5	0.00241243	0.474181451
-0.1819569	cg18103859	14	0.00127248	0.695739144
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-0.1811531	cg11465213	15	0.01165191	0.655237771
-0.1811015	cg24802813	7	0.00029254	0.495516532
-0.1810328	cg09528494	8	0.00510406	0.549703115
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-0.1808503	cg01766850	6	0.0038716	0.574474335
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-0.1804096	cg04136456	1	0.00021645	0.425323126
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-0.1786986	cg22534374	1	0.01453201	0.654098114
-0.178664	cg00139681	7	0.00142273	0.518027769
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-0.1782082	cg22812413	15	0.00351696	0.600035913
-0.1781776	cg01733904	13	0.00475202	0.798203407
-0.1778668	cg19410609	2	0.01100568	0.863621332
-0.1778278	cg10097313	14	0.00296068	0.703483347
-0.1777371	cg27268352	10	0.00592295	0.844275121
-0.1776932	cg12048965	10	0.00399227	0.792592546
-0.1775172	cg25668093	15	0.00468019	0.828509353
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-0.1000365

-0.1000091

Mean β-value OAHip cluster 2	Delta Beta
0.327097424	0.10125016
0.62585819	0.10429134
0.667813639	0.11874635
0.522947346	0.16508974
0.327950682	0.20758132
0.677375596	0.11418586
0.721416698	0.11039546
0.155977466	0.10392101
0.610532873	0.1268184
0.523705782	0.12319658
0.604591959	0.20295433
0.689346194	0.11998477
0.648928625	0.10388981
0.627549748	0.1792658
0.528127439	0.17950661
0.191553619	0.17654577
0.623413207	0.11156054
0.414419614	0.16188535
0.392333411	0.10176479
0.530332358	0.11406461
0.527735905	0.1427446
0.667027223	0.16505628
0.326869464	0.12039286
0.375558262	0.21139371
0.130642942	0.1099815
0.474008919	0.15585077
0.388147507	0.12708734
0.188933037	0.10970817
0.761345262	0.11334488
0.588252415	0.10214442
0.347720023	0.11770536
0.385603277	0.10385479
0.48563502	0.12218051
0.524329458	0.10073382
0.278959346	0.16749672
0.370448736	0.13701315
0.316847535	0.16117775
0.519134321	0.13400658
0.278751436	0.16289959
0.544924226	0.12702375

0.321179662	0.16106063
0.199655361	0.13656448
0.65562624	0.10407001
0.218063702	0.10786534
0.409695339	0.16138819
0.693267984	0.11372804
0.3748286	0.19893428
0.509638959	0.20540848
0.079337312	0.1333643
0.544701602	0.13709049
0.621342962	0.10007408
0.476912332	0.11756637
0.300710194	0.12430974
0.753069094	0.13667387
0.656227821	0.10024383
0.668585432	0.13708425
0.618053901	0.18376136
0.165094448	0.1950141
0.573706767	0.15147716
0.494689111	0.1098943
0.36218136	0.10122347
0.450149665	0.16446603
0.57447693	0.17503279
0.520956704	0.10445775
0.632752195	0.1429151
0.405187662	0.15380555
0.392791029	0.10035323
0.663699272	0.10620034
0.370090739	0.10795282
0.545697794	0.19121425
0.760539461	0.10152589
0.62538338	0.10686102
0.672807973	0.10827397
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0.190086131	0.11798165
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0.252033362	0.12446265
0.637903596	0.12870982
0.45790568	0.15382374
0.246417785	0.15493933
0.309522414	0.16161229
0.568310859	0.17673924
0.44580087	0.13273585
0.541419102	0.11150602
0.618232609	0.10148149
0.669054084	0.15284475

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0.708047907	0.11820106
0.359723439	0.23591698
0.152497744	0.11215803
0.207313205	0.11217104
0.802550278	0.10231819
0.69658439	0.12995352
0.375095055	0.18854775
0.521141952	0.11088944
0.607815253	0.13180926
0.718918962	0.11673457
0.508005748	0.12000405
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0.504414923	0.12654076
0.163239531	0.1858902
0.658044491	0.14850909
0.572326238	0.11045074
0.16346244	0.10832005
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0.398945973	0.14478087
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0.609391294	0.10159102
0.446150007	0.17321152
0.396574634	0.16806056
0.587308553	0.23278026
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0.44954973	0.10960691
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0.403112016	0.24646186
0.412496588	0.24093922
0.372423933	0.1408522
0.649821865	0.11519956
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0.541666849	0.1095999
0.397359347	0.1877081
0.545359614	0.13116678
0.282766993	0.1565562
0.113824671	0.10883442
0.387393883	0.16033586
0.377408327	0.16460974
0.626235485	0.15100366
0.329628027	0.11584585
0.228394422	0.18642973
0.450003705	0.37484736
0.098501797	0.13379143
0.114664988	0.12570233
0.46791854	0.12696765
0.11915344	0.10525798
0.360639913	0.1409576
0.485231046	0.16352958
0.386318084	0.12456132
0.240219321	0.10102062
0.543765495	0.24835066
0.771338175	0.11648383
0.333883005	0.12594495
0.5743973	0.10104231
0.320534245	0.20069704
0.302936245	0.13443447
0.386180307	0.13741739
0.333564888	0.11774813
0.252819435	0.10744656
0.667543445	0.1195287
0.639589612	0.1216453
0.3490877	0.20595952
0.456659351	0.1492647
0.476967304	0.16162525
0.571236057	0.11085406
0.593365873	0.13983945
0.492877242	0.13153843

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0.175566822	0.10914141
0.656304283	0.12892458
0.311153888	0.14731411
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0.269024903	0.12592361
0.41496467	0.14222746
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