Supplementary Table 1a. Quantitative association results for the candidate loci in the European American BMI cohort, ages 2-5 years old (n=1,398), sorted by chromosomal location.

Chr	SNP	Position (Build 36)	Nearby genes(s)	NMISS	BETA	SE	R2	T	P
1p31	rs3101336	72523773	*NEGR1*	1398	-0.1518	0.07882	0.00265	-1.926	0.05431
1p31	rs2568958	72537704	*NEGR1*	1398	-0.1518	0.07882	0.00265	-1.926	0.05431
1q25	rs10913469	176180142	*SEC16B/RASAL2*	1397	0.2375	0.09777	0.004214	2.43	0.01524
2p25	rs2867125	612827	*TMEM18*	1396	-0.06728	0.09808	0.0003374	-0.6859	0.4929
2p25	rs4854344	628144	*TMEM18*	1393	-0.09042	0.09834	0.0006074	-0.9195	0.358
2p25	rs7561317	634953	*TMEM18*	1396	-0.08938	0.09799	0.0005965	-0.9122	0.3618
2q14	rs17047697*	118544280	*INSIG2*	1398	0.01838	0.07895	0.00003883	0.2328	0.8159
3q27	rs7647305	187316984	*SFRS10/ETV5/DGKG*	1397	0.05741	0.08975	0.0002932	0.6397	0.5225
4p13	rs13130484**	44870448	*GNPDA2*	1398	0.01343	0.07584	0.00002248	0.1772	0.8594
11p12	rs10838738	47619625	*MTCH2*	1397	0.05531	0.08	0.0003425	0.6914	0.4895
11p14	rs4074134	27603861	*BDNF*	1398	-0.2598	0.09176	0.00571	-2.831	0.004701
11p14	rs4923461	27613486	*BDNF*	1397	-0.2549	0.0918	0.005496	-2.777	0.005567
11p14	rs925946	27623778	*BDNF*	1398	0.1072	0.08295	0.001195	1.292	0.1965
11p14	rs10501087	27626684	*BDNF*	1398	-0.2289	0.09164	0.004449	-2.498	0.01261
11p14	rs6265	27636492	*BDNF*	1398	-0.2531	0.09592	0.004964	-2.639	0.008407
12q13	rs7138803	48533735	*BCDIN3D/FAIM2*	1398	-0.01815	0.07891	0.00003791	-0.2301	0.8181
16p11	rs8049439	28745016	*SH2B1*	1398	-0.01705	0.07797	0.00003424	-0.2186	0.827
16p11	rs4788102	28780899	*SH2B1*	1397	-0.008532	0.0784	0.000008489	-0.1088	0.9134
16q12	rs6499640	52327178	*FTO*	1398	0.03457	0.07817	0.0001401	0.4422	0.6584
16q12	rs8050136	52373776	*FTO*	1398	0.03214	0.07902	0.0001185	0.4067	0.6843
16q12	rs3751812	52375961	*FTO*	1396	0.01906	0.07875	0.000042	0.242	0.8088
16q12	rs7190492	52386253	*FTO*	1387	0.09075	0.08002	0.0009277	1.134	0.257
16q12	rs8044769	52396636	*FTO*	1398	-0.04728	0.076	0.0002772	-0.6222	0.5339
18q21	rs12970134	56035730	*MC4R*	1398	-0.1039	0.0849	0.001072	-1.224	0.2212
19q13	rs29941	39001372	*KCTD15*	1391	0.05539	0.08367	0.0003155	0.662	0.5081

NMISS: number of individuals tested; BETA: regression coefficient for the test SNP; SE: standard error of the regression coefficient; R2: r^2 value in linear regression; T: test statistic; P: two-sided trend test *P*-value. The direction of effect is shown for the minor allele in each case. *NEGR1*: r^2 between rs3101336 and rs2568958 = 1; *TMEM18:* r^2 between rs2867125 rs4854344 and rs7561317 = 1; *BDNF*: r^2 between rs4074134, rs4923461 and rs10501087 =1 and r^2 between rs4074134 and rs925946, rs6265 = 0.14 and 0.85 respectively; SH2B1: r^2 between rs8049439 AND rs4788102 = 0.965; *FTO*: r^2 between rs8050136 and rs3751812, rs7190492, rs8044769, rs6499640 = 1, 0.38, 0.61 and 0.18 respectively.

* perfect surrogate for rs7566605

** perfect surrogate for rs10938397

Supplementary Table 1b. Quantitative association results for the candidate loci in the European American BMI cohort, ages 6-10 years old (n=1,346), sorted by chromosomal location.

Chr	SNP	Position (Build 36)	Nearby genes(s)	NMISS	BETA	SE	R2	T	P
1p31	rs3101336	72523773	*NEGR1*	1345	-0.05401	0.1283	0.0001318	-0.4208	0.674
1p31	rs2568958	72537704	*NEGR1*	1346	-0.05466	0.1283	0.000135	-0.426	0.6701
1q25	rs10913469	176180142	*SEC16B/RASAL2*	1346	0.3563	0.1579	0.003773	2.256	0.02422
2p25	rs2867125	612827	*TMEM18*	1346	-0.4196	0.1627	0.004924	-2.579	0.01002
2p25	rs4854344	628144	*TMEM18*	1338	-0.4137	0.1631	0.004793	-2.536	0.01131
2p25	rs7561317	634953	*TMEM18*	1342	-0.4404	0.1617	0.005503	-2.723	0.006552
2q14	rs17047697*	118544280	*INSIG2*	1345	0.1238	0.1303	0.0006717	0.9501	0.3422
3q27	rs7647305	187316984	*SFRS10/ETV5/DGKG*	1346	0.1175	0.1465	0.0004783	0.802	0.4227
4p13	rs13130484**	44870448	*GNPDA2*	1346	0.2818	0.1232	0.003876	2.287	0.02236
11p12	rs10838738	47619625	*MTCH2*	1342	0.06895	0.1308	0.0002073	0.5272	0.5982
11p14	rs4074134	27603861	*BDNF*	1346	0.1096	0.1537	0.0003785	0.7134	0.4757
11p14	rs4923461	27613486	*BDNF*	1346	0.1047	0.1533	0.0003466	0.6826	0.4949
11p14	rs925946	27623778	*BDNF*	1346	-0.08914	0.1393	0.0003044	-0.6397	0.5224
11p14	rs10501087	27626684	*BDNF*	1346	0.1192	0.1533	0.0004498	0.7777	0.4369
11p14	rs6265	27636492	*BDNF*	1346	-0.02901	0.1592	0.00002471	-0.1822	0.8554
12q13	rs7138803	48533735	*BCDIN3D/FAIM2*	1346	0.103	0.1245	0.0005092	0.8275	0.4081
16p11	rs8049439	28745016	*SH2B1*	1346	-0.01362	0.1308	0.000008058	-0.1041	0.9171
16p11	rs4788102	28780899	*SH2B1*	1345	-0.0001887	0.1304	1.558E-09	-0.001447	0.9988
16q12	rs6499640	52327178	*FTO*	1346	0.05059	0.1254	0.0001212	0.4036	0.6866
16q12	rs8050136	52373776	*FTO*	1346	0.3727	0.1239	0.006693	3.009	0.002667
16q12	rs3751812	52375961	*FTO*	1343	0.3949	0.1243	0.007472	3.177	0.00152
16q12	rs7190492	52386253	*FTO*	1332	-0.292	0.1315	0.003695	-2.221	0.02653
16q12	rs8044769	52396636	*FTO*	1345	-0.3894	0.1227	0.007438	-3.172	0.001546
18q21	rs12970134	56035730	*MC4R*	1346	0.2986	0.1416	0.003297	2.109	0.03516
19q13	rs29941	39001372	*KCTD15*	1341	-0.1657	0.1336	0.001149	-1.241	0.2149

NMISS: number of individuals tested; BETA: regression coefficient for the test SNP; SE: standard error of the regression coefficient; R2: r^2 value in linear regression; T: test statistic; P: two-sided trend test *P*-value. The direction of effect is shown for the minor allele in each case. *NEGR1*: r^2 between rs3101336 and rs2568958 = 1; *TMEM18:* r^2 between rs2867125 rs4854344 and rs7561317 = 1; *BDNF*: r^2 between rs4074134, rs4923461 and rs10501087 =1 and r^2 between rs4074134 and rs925946, rs6265 = 0.14 and 0.85 respectively; SH2B1: r^2 between rs8049439 AND rs4788102 = 0.965; *FTO*: r^2 between rs8050136 and rs3751812, rs7190492, rs8044769, rs6499640 = 1, 0.38, 0.61 and 0.18 respectively.

* perfect surrogate for rs7566605

** perfect surrogate for rs10938397

Supplementary Table 1c. Quantitative association results for the candidate loci in the European American BMI cohort, ages 11-14 years old (n=1,363), sorted by chromosomal location.

Chr	SNP	Position (Build 36)	Nearby genes(s)	NMISS	BETA	SE	R2	T	P
1p31	rs3101336	72523773	*NEGR1*	1363	-0.2519	0.1591	0.001839	-1.584	0.1135
1p31	rs2568958	72537704	*NEGR1*	1363	-0.2376	0.1589	0.001641	-1.496	0.135
1q25	rs10913469	176180142	*SEC16B/RASAL2*	1363	0.02015	0.2009	0.000007396	0.1003	0.9201
2p25	rs2867125	612827	*TMEM18*	1363	-0.36	0.2013	0.002345	-1.789	0.07387
2p25	rs4854344	628144	*TMEM18*	1353	-0.3426	0.2013	0.002139	-1.702	0.089
2p25	rs7561317	634953	*TMEM18*	1361	-0.312	0.2012	0.001766	-1.551	0.1212
2q14	rs17047697*	118544280	*INSIG2*	1363	0.04786	0.165	0.00006185	0.2901	0.7718
3q27	rs7647305	187316984	*SFRS10/ETV5/DGKG*	1362	-0.02148	0.1933	0.000009087	-0.1112	0.9115
4p13	rs13130484**	44870448	*GNPDA2*	1363	0.2899	0.1518	0.002672	1.91	0.05638
11p12	rs10838738	47619625	*MTCH2*	1361	0.06949	0.1607	0.0001376	0.4324	0.6655
11p14	rs4074134	27603861	*BDNF*	1363	-0.3453	0.1855	0.002541	-1.862	0.06282
11p14	rs4923461	27613486	*BDNF*	1363	-0.3318	0.1864	0.002323	-1.78	0.07526
11p14	rs925946	27623778	*BDNF*	1363	0.09796	0.1725	0.0002368	0.5678	0.5703
11p14	rs10501087	27626684	*BDNF*	1362	-0.3761	0.187	0.002966	-2.011	0.04448
11p14	rs6265	27636492	*BDNF*	1363	-0.3933	0.1972	0.002914	-1.994	0.04632
12q13	rs7138803	48533735	*BCDIN3D/FAIM2*	1363	0.06474	0.1579	0.0001234	0.4099	0.682
16p11	rs8049439	28745016	*SH2B1*	1363	0.1308	0.1578	0.0005044	0.8287	0.4074
16p11	rs4788102	28780899	*SH2B1*	1363	0.1231	0.158	0.0004461	0.7793	0.4359
16q12	rs6499640	52327178	*FTO*	1362	-0.1809	0.1617	0.0009193	-1.119	0.2635
16q12	rs8050136	52373776	*FTO*	1363	0.4077	0.1548	0.00507	2.634	0.008543
16q12	rs3751812	52375961	*FTO*	1362	0.4249	0.1542	0.005551	2.755	0.005941
16q12	rs7190492	52386253	*FTO*	1353	-0.3499	0.1568	0.003671	-2.231	0.02584
16q12	rs8044769	52396636	*FTO*	1363	-0.3327	0.1531	0.003458	-2.173	0.02994
18q21	rs12970134	56035730	*MC4R*	1363	0.2967	0.1751	0.002106	1.695	0.09037
19q13	rs29941	39001372	*KCTD15*	1356	-0.2595	0.1655	0.001813	-1.568	0.1171

NMISS: number of individuals tested; BETA: regression coefficient for the test SNP; SE: standard error of the regression coefficient; R2: r^2 value in linear regression; T: test statistic; P: two-sided trend test *P*-value. The direction of effect is shown for the minor allele in each case. *NEGR1*: r^2 between rs3101336 and rs2568958 = 1; *TMEM18:* r^2 between rs2867125 rs4854344 and rs7561317 = 1; *BDNF*: r^2 between rs4074134, rs4923461 and rs10501087 =1 and r^2 between rs4074134 and rs925946, rs6265 = 0.14 and 0.85 respectively; SH2B1: r^2 between rs8049439 AND rs4788102 = 0.965; *FTO*: r^2 between rs8050136 and rs3751812, rs7190492, rs8044769, rs6499640 = 1, 0.38, 0.61 and 0.18 respectively.

* perfect surrogate for rs7566605

** perfect surrogate for rs10938397

Supplementary Table 1d. Quantitative association results for the candidate loci in the European American BMI cohort, ages 15-18 years old (n=1,229), sorted by chromosomal location.

Chr	SNP	Position (Build 36)	Nearby genes(s)	NMISS	BETA	SE	R2	T	P
1p31	rs3101336	72523773	*NEGR1*	1229	-0.2123	0.1754	0.001192	-1.21	0.2264
1p31	rs2568958	72537704	*NEGR1*	1229	-0.2123	0.1754	0.001192	-1.21	0.2264
1q25	rs10913469	176180142	*SEC16B/RASAL2*	1228	0.1405	0.2145	0.0003497	0.6549	0.5127
2p25	rs2867125	612827	*TMEM18*	1229	-0.373	0.2081	0.002612	-1.793	0.07327
2p25	rs4854344	628144	*TMEM18*	1224	-0.3012	0.2083	0.001708	-1.446	0.1484
2p25	rs7561317	634953	*TMEM18*	1226	-0.3214	0.2074	0.001958	-1.55	0.1215
2q14	rs17047697*	118544280	*INSIG2*	1227	0.3725	0.178	0.003565	2.093	0.03651
3q27	rs7647305	187316984	*SFRS10/ETV5/DGKG*	1228	0.007981	0.2137	0.000001138	0.03735	0.9702
4p13	rs13130484**	44870448	*GNPDA2*	1229	0.3688	0.1682	0.003906	2.193	0.02846
11p12	rs10838738	47619625	*MTCH2*	1228	-0.1864	0.1753	0.0009213	-1.063	0.2879
11p14	rs4074134	27603861	*BDNF*	1229	-0.3363	0.1966	0.002379	-1.71	0.08743
11p14	rs4923461	27613486	*BDNF*	1229	-0.3039	0.1962	0.001952	-1.549	0.1216
11p14	rs925946	27623778	*BDNF*	1229	0.3466	0.1886	0.002744	1.837	0.06638
11p14	rs10501087	27626684	*BDNF*	1229	-0.2829	0.1957	0.001699	-1.445	0.1487
11p14	rs6265	27636492	*BDNF*	1229	-0.3537	0.2055	0.00241	-1.722	0.0854
12q13	rs7138803	48533735	*BCDIN3D/FAIM2*	1229	0.3249	0.173	0.002867	1.878	0.06057
16p11	rs8049439	28745016	*SH2B1*	1228	-0.1902	0.1673	0.001053	-1.137	0.2559
16p11	rs4788102	28780899	*SH2B1*	1228	-0.1854	0.1674	0.0009995	-1.108	0.2683
16q12	rs6499640	52327178	*FTO*	1229	-0.4521	0.1743	0.005456	-2.594	0.00959
16q12	rs8050136	52373776	*FTO*	1229	0.2198	0.1703	0.001356	1.291	0.197
16q12	rs3751812	52375961	*FTO*	1229	0.254	0.1709	0.001796	1.486	0.1376
16q12	rs7190492	52386253	*FTO*	1215	-0.3413	0.1748	0.003133	-1.953	0.0511
16q12	rs8044769	52396636	*FTO*	1229	-0.2647	0.165	0.002093	-1.604	0.1089
18q21	rs12970134	56035730	*MC4R*	1229	0.2597	0.1955	0.001436	1.328	0.1843
19q13	rs29941	39001372	*KCTD15*	1227	-0.2844	0.18	0.002035	-1.58	0.1143

NMISS: number of individuals tested; BETA: regression coefficient for the test SNP; SE: standard error of the regression coefficient; R2: r^2 value in linear regression; T: test statistic; P: two-sided trend test *P*-value. The direction of effect is shown for the minor allele in each case. *NEGR1*: r^2 between rs3101336 and rs2568958 = 1; *TMEM18:* r^2 between rs2867125 rs4854344 and rs7561317 = 1; *BDNF*: r^2 between rs4074134, rs4923461 and rs10501087 =1 and r^2 between rs4074134 and rs925946, rs6265 = 0.14 and 0.85 respectively; SH2B1: r^2 between rs8049439 AND rs4788102 = 0.965; *FTO*: r^2 between rs8050136 and rs3751812, rs7190492, rs8044769, rs6499640 = 1, 0.38, 0.61 and 0.18 respectively.

* perfect surrogate for rs7566605

** perfect surrogate for rs10938397

Supplementary Table 2. Generated results for the pairwise interaction analysis for the SNPs utilized in the study

SNP1	SNP2	Interaction P-value
rs3101336	rs2568958	0.5426298
rs3101336	rs10913469	0.5965965
rs3101336	rs2867125	0.9593254
rs3101336	rs4854344	0.8651253
rs3101336	rs7561317	0.855244
rs3101336	rs17047697	0.09629598
rs3101336	rs7647305	0.1307338
rs3101336	rs13130484	0.2575942
rs3101336	rs4074134	0.8141372
rs3101336	rs4923461	0.759126
rs3101336	rs925946	0.8675338
rs3101336	rs10501087	0.7197523
rs3101336	rs6265	0.3659815
rs3101336	rs10838738	0.02046539
rs3101336	rs7138803	0.92627
rs3101336	rs8049439	0.8429088
rs3101336	rs4788102	0.9947358
rs3101336	rs6499640	0.5073415
rs3101336	rs8050136	0.7576537
rs3101336	rs3751812	0.6348118
rs3101336	rs7190492	0.8883371
rs3101336	rs8044769	0.3610508
rs3101336	rs12970134	0.2799839
rs3101336	rs29941	0.31842
rs2568958	rs10913469	0.5821284
rs2568958	rs2867125	0.9725005
rs2568958	rs4854344	0.8773611
rs2568958	rs7561317	0.8676256
rs2568958	rs17047697	0.1049363
rs2568958	rs7647305	0.1228012
rs2568958	rs13130484	0.268242
rs2568958	rs4074134	0.8013281
rs2568958	rs4923461	0.7464502
rs2568958	rs925946	0.8914722
rs2568958	rs10501087	0.7000484
rs2568958	rs6265	0.3634434
rs2568958	rs10838738	0.02230235

rs2568958	rs7138803	0.9510449
rs2568958	rs8049439	0.8772688
rs2568958	rs4788102	0.9707365
rs2568958	rs6499640	0.4698081
rs2568958	rs8050136	0.7332915
rs2568958	rs3751812	0.6122852
rs2568958	rs7190492	0.9432214
rs2568958	rs8044769	0.3366986
rs2568958	rs12970134	0.2643004
rs2568958	rs29941	0.32729
rs10913469	rs2867125	0.2089342
rs10913469	rs4854344	0.259792
rs10913469	rs7561317	0.2770409
rs10913469	rs17047697	0.2325459
rs10913469	rs7647305	0.7080737
rs10913469	rs13130484	0.2226665
rs10913469	rs4074134	0.9684096
rs10913469	rs4923461	0.9497973
rs10913469	rs925946	0.763443
rs10913469	rs10501087	0.7839498
rs10913469	rs6265	0.7473614
rs10913469	rs10838738	0.6462202
rs10913469	rs7138803	0.2739092
rs10913469	rs8049439	0.4349858
rs10913469	rs4788102	0.4436872
rs10913469	rs6499640	0.1743441
rs10913469	rs8050136	0.1701484
rs10913469	rs3751812	0.1599914
rs10913469	rs7190492	0.1837058
rs10913469	rs8044769	0.02407595
rs10913469	rs12970134	0.8437244
rs10913469	rs29941	0.789111
rs2867125	rs4854344	0.5594144
rs2867125	rs7561317	0.505087
rs2867125	rs17047697	0.6455099
rs2867125	rs7647305	0.4834891
rs2867125	rs13130484	0.6385008
rs2867125	rs4074134	0.4683074
rs2867125	rs4923461	0.462757
rs2867125	rs925946	0.9734523
rs2867125	rs10501087	0.6668178

rs2867125	rs6265	0.5847934
rs2867125	rs10838738	0.5026277
rs2867125	rs7138803	0.5420468
rs2867125	rs8049439	0.992213
rs2867125	rs4788102	0.9030264
rs2867125	rs6499640	0.1846917
rs2867125	rs8050136	0.5778292
rs2867125	rs3751812	0.5677058
rs2867125	rs7190492	0.6926406
rs2867125	rs8044769	0.9496317
rs2867125	rs12970134	0.5025457
rs2867125	rs29941	0.01414447
rs4854344	rs7561317	0.4274572
rs4854344	rs17047697	0.6512141
rs4854344	rs7647305	0.4991783
rs4854344	rs13130484	0.5442846
rs4854344	rs4074134	0.5968912
rs4854344	rs4923461	0.591312
rs4854344	rs925946	0.6816716
rs4854344	rs10501087	0.8041092
rs4854344	rs6265	0.7600465
rs4854344	rs10838738	0.6586318
rs4854344	rs7138803	0.5053294
rs4854344	rs8049439	0.7901504
rs4854344	rs4788102	0.8530297
rs4854344	rs6499640	0.1048812
rs4854344	rs8050136	0.5935833
rs4854344	rs3751812	0.5639875
rs4854344	rs7190492	0.6059535
rs4854344	rs8044769	0.9143665
rs4854344	rs12970134	0.5471426
rs4854344	rs29941	0.03972383
rs7561317	rs17047697	0.6500068
rs7561317	rs7647305	0.5019259
rs7561317	rs13130484	0.4328837
rs7561317	rs4074134	0.6881146
rs7561317	rs4923461	0.6820899
rs7561317	rs925946	0.6664429
rs7561317	rs10501087	0.9043638
rs7561317	rs6265	0.8653794
rs7561317	rs10838738	0.5944412

rs7561317	rs7138803	0.5670327
rs7561317	rs8049439	0.7178133
rs7561317	rs4788102	0.7599673
rs7561317	rs6499640	0.08571495
rs7561317	rs8050136	0.5955442
rs7561317	rs3751812	0.5694193
rs7561317	rs7190492	0.5029344
rs7561317	rs8044769	0.9992407
rs7561317	rs12970134	0.5470017
rs7561317	rs29941	0.03295432
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rs17047697	rs4074134	0.7064557
rs17047697	rs4923461	0.7809102
rs17047697	rs925946	0.9702104
rs17047697	rs10501087	0.8761745
rs17047697	rs6265	0.7412203
rs17047697	rs10838738	0.887213
rs17047697	rs7138803	0.4050733
rs17047697	rs8049439	0.390209
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rs17047697	rs8050136	0.964426
rs17047697	rs3751812	0.949268
rs17047697	rs7190492	0.5224408
rs17047697	rs8044769	0.3862038
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rs7647305	rs4788102	0.3638487
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rs13130484	rs4074134	0.3367494
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rs13130484	rs8049439	0.2826221
rs13130484	rs4788102	0.3143131
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rs13130484	rs3751812	0.1721203
rs13130484	rs7190492	0.3022548
rs13130484	rs8044769	0.4630632
rs13130484	rs12970134	0.2761709
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rs4074134	rs10838738	0.1830074
rs4074134	rs7138803	0.6881522
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rs4074134	rs4788102	0.7446867
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rs4074134	rs7190492	0.635297
rs4074134	rs8044769	0.7466253
rs4074134	rs12970134	0.9319299
rs4074134	rs29941	0.2236998
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rs4923461	rs10501087	0.06011797
rs4923461	rs6265	0.02663972
rs4923461	rs10838738	0.2002019
rs4923461	rs7138803	0.8124377
rs4923461	rs8049439	0.6846376

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rs4923461	rs8050136	0.397316
rs4923461	rs3751812	0.4706288
rs4923461	rs7190492	0.6110018
rs4923461	rs8044769	0.8129892
rs4923461	rs12970134	0.9732195
rs4923461	rs29941	0.1963856
rs925946	rs10501087	0.166594
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rs925946	rs8050136	0.3248367
rs925946	rs3751812	0.3355994
rs925946	rs7190492	0.2054767
rs925946	rs8044769	0.2262789
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rs925946	rs29941	0.8679507
rs10501087	rs6265	0.01437403
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rs10838738	rs8044769	0.1106037
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rs7138803	rs8049439	0.5960872
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rs7138803	rs12970134	0.6299725
rs7138803	rs29941	0.396505
rs8049439	rs4788102	0.2015838
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rs8049439	rs29941	0.3193053
rs4788102	rs6499640	0.3914858
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rs4788102	rs12970134	0.621217
rs4788102	rs29941	0.334995
rs6499640	rs8050136	0.2644145
rs6499640	rs3751812	0.3199444
rs6499640	rs7190492	0.4201946
rs6499640	rs8044769	0.7923899

rs6499640	rs12970134	0.07875103
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rs8050136	rs3751812	0.1610717
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rs8050136	rs8044769	0.1854563
rs8050136	rs12970134	0.1433845
rs8050136	rs29941	0.9613013
rs3751812	rs7190492	0.1855744
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rs3751812	rs29941	0.9210606
rs7190492	rs8044769	0.1696926
rs7190492	rs12970134	0.7701382
rs7190492	rs29941	0.2279837
rs8044769	rs12970134	0.6375124
rs8044769	rs29941	0.3059467
rs12970134	rs29941	0.2049041