

Supplementary Table 2. Correlations between Obesity-related Traits and Proportions of European Ancestry by Study Sites

Traits ^a	Jackson, MS		Forsyth County, NC		Tests of Heterogeneity between Study Sites		
	r_s	p -Value	r_s	p -Value	χ^2 statistic	p -Value	I^2
BMI	-0.059	0.001	-0.144	0.038	2.723	0.099	63%
Weight	-0.057	0.002	-0.106	0.033	0.889	0.346	0%
Waist circumference	-0.016	0.373	-0.121	0.015	3.877	0.049	74%
Hip circumference	-0.038	0.037	-0.089	0.076	0.910	0.340	0%
Waist-to-hip ratio	0.015	0.416	-0.081	0.104	3.399	0.065	71%
Waist circumference adjusted for BMI	0.063	4.4 x 10 ⁻⁴	0.034	0.502	0.314	0.575	0%
Subscapular skinfold thickness	-0.052	0.004	-0.096	0.057	0.699	0.403	0%
Triceps skinfold thickness	-0.027	0.135	-0.093	0.062	1.638	0.201	39%

Correlations between adjusted traits and proportions of European ancestry were assessed using Spearman's rank correlation coefficient (r_s).

I^2 , inconsistency metric (Higgins JP, Thompson SG, Deeks JJ, Altman DG. Measuring inconsistency in meta-analyses. *BMJ* 2003; 327: 557-560).

^aAdjustment for age, sex, site and socioeconomic status, including personal education, occupation and family income.

Supplementary Table S1. The 1536 Markers in the Admixture SNP Panel

SNP number	SNP name	Chromosome	Build 35 Physical Position
1	rs819980	1	1,510,967
2	rs897634	1	2,858,849
3	rs2817159	1	3,172,565
4	rs1181868	1	3,674,283
5	rs7548756	1	4,080,622
6	rs12076190	1	5,763,305
7	rs3007429	1	6,485,958
8	rs873433	1	7,575,654
9	rs1234694	1	9,937,586
10	rs6667663	1	10,869,703
11	rs3765337	1	12,276,865
12	rs2999896	1	13,570,501
13	rs10803326	1	15,018,051
14	rs4661630	1	15,542,976
15	rs4920311	1	18,309,297
16	rs7522389	1	19,718,664
17	rs908502	1	22,946,546
18	rs2156087	1	23,488,887
19	rs4908343	1	27,615,840
20	rs6694545	1	30,106,361
21	rs4949198	1	31,350,707
22	rs359955	1	32,803,867
23	rs12058538	1	35,154,678
24	rs595961	1	36,036,873
25	rs7530031	1	37,551,253
26	rs260972	1	39,219,303
27	rs710232	1	41,872,247
28	rs12410334	1	44,111,614
29	rs667016	1	47,723,356
30	rs1493365	1	52,729,466
31	rs10399937	1	53,195,452
32	rs6663966	1	53,782,034
33	rs1418978	1	56,683,745
34	rs563921	1	57,314,404
35	rs2984915	1	58,965,716
36	rs2985879	1	59,212,774
37	rs10789091	1	61,153,343
38	rs596985	1	63,989,056
39	rs12089641	1	65,255,823
40	rs6701599	1	66,597,527
41	rs1158573	1	71,979,575
42	rs6662385	1	72,885,596
43	rs11210458	1	74,590,146
44	rs7553137	1	76,648,751
45	rs10874142	1	80,746,801

46	rs11163323	1	81,698,479
47	rs12067308	1	82,677,904
48	rs11161435	1	84,918,127
49	rs974843	1	86,727,200
50	rs1334336	1	88,104,461
51	rs6428492	1	89,179,808
52	rs236307	1	93,794,938
53	rs290829	1	97,163,698
54	rs947726	1	99,572,306
55	rs1389383	1	99,986,691
56	rs11164273	1	101,882,316
57	rs4311917	1	107,437,785
58	rs345275	1	108,205,845
59	rs2003154	1	110,462,319
60	rs2365669	1	112,074,687
61	rs11578123	1	113,067,970
62	rs7523839	1	115,885,122
63	rs10924017	1	116,502,643
64	rs798006	1	117,057,230
65	rs835574	1	120,175,272
66	rs10910821	1	143,006,107
67	rs11240089	1	144,285,330
68	rs10127622	1	148,281,133
69	rs6662563	1	149,286,000
70	rs12740969	1	151,300,133
71	rs2768744	1	153,685,222
72	rs2814778	1	155,987,756
73	rs1962508	1	158,677,077
74	rs2806424	1	159,423,117
75	rs6426893	1	161,759,000
76	rs6689895	1	162,325,028
77	rs919679	1	162,988,820
78	rs10918844	1	164,904,282
79	rs9425309	1	169,118,347
80	rs6686083	1	170,684,196
81	rs10753143	1	173,828,898
82	rs4652291	1	174,760,368
83	rs10911170	1	179,666,579
84	rs4631655	1	181,092,973
85	rs726777	1	182,604,480
86	rs6428291	1	186,057,994
87	rs1923949	1	189,279,367
88	rs2506081	1	190,832,629
89	rs1008984	1	195,062,228
90	rs3006246	1	196,763,737
91	rs1361903	1	198,030,491
92	rs1774832	1	199,700,971
93	rs7530895	1	199,992,413

94	rs1553921	1	201,170,300
95	rs2759281	1	201,598,022
96	rs291090	1	203,502,432
97	rs1781022	1	204,852,990
98	rs1340117	1	205,219,006
99	rs979698	1	206,085,842
100	rs723632	1	210,448,147
101	rs2666839	1	211,204,619
102	rs6604611	1	213,043,646
103	rs779048	1	215,499,016
104	rs2008602	1	216,420,713
105	CV15966540	1	219,214,876
106	rs1110379	1	221,407,389
107	rs493950	1	224,913,700
108	rs6587361	1	226,325,783
109	rs9661417	1	228,691,786
110	rs701185	1	229,654,721
111	rs2045520	1	230,610,704
112	rs6586395	1	230,955,554
113	rs630101	1	233,098,457
114	rs2485579	1	233,597,673
115	rs10925911	1	236,034,353
116	rs7525142	1	237,068,946
117	rs9428863	1	237,597,268
118	rs7520214	1	239,393,484
119	rs562642	1	240,756,186
120	rs9725312	1	241,364,859
121	rs6426327	1	242,415,852
122	rs2387370	1	244,473,690
123	rs6587761	1	245,407,811
124	rs1996398	2	171,196
125	rs2683967	2	564,017
126	rs11897977	2	1,363,732
127	rs10165834	2	3,183,074
128	rs825943	2	4,295,922
129	rs9309717	2	5,033,361
130	rs1852319	2	6,203,183
131	rs12990806	2	7,037,687
132	rs798443	2	7,918,873
133	rs3856461	2	8,760,610
134	rs1344185	2	9,240,922
135	rs1882646	2	10,982,386
136	rs962646	2	12,337,858
137	rs311992	2	13,442,666
138	rs2380549	2	14,058,476
139	rs6733850	2	15,881,549
140	rs810066	2	16,811,000
141	rs11676404	2	18,291,199

142	rs921599	2	20,712,753
143	rs7588415	2	21,045,289
144	rs736442	2	21,531,921
145	rs13025681	2	26,660,155
146	rs7593448	2	27,360,944
147	rs2631941	2	29,892,937
148	rs6548031	2	30,896,322
149	rs11124405	2	35,099,662
150	rs11689624	2	36,881,404
151	rs10203995	2	39,076,705
152	rs13385952	2	41,443,049
153	rs3924521	2	45,906,832
154	rs7582701	2	46,462,420
155	rs1316521	2	49,151,793
156	rs6545265	2	52,378,781
157	rs4672145	2	56,817,815
158	rs13409341	2	57,839,911
159	rs4643526	2	61,096,302
160	rs12622045	2	65,767,523
161	rs2861060	2	66,555,000
162	rs4267542	2	69,142,701
163	rs6724395	2	69,857,719
164	rs3768641	2	72,279,845
165	rs1881244	2	73,556,744
166	rs3025991	2	74,811,462
167	rs7557290	2	77,424,226
168	rs17640561	2	78,431,705
169	rs1444543	2	80,585,272
170	rs4852696	2	83,063,299
171	rs1025104	2	86,262,322
172	rs6736170	2	88,386,664
173	rs1320149	2	96,915,751
174	rs11674146	2	104,416,629
175	rs10171578	2	104,724,982
176	rs700853	2	107,812,646
177	rs260714	2	109,021,013
178	rs951954	2	109,816,880
179	rs13426054	2	111,194,197
180	rs11890727	2	114,383,724
181	rs1437430	2	117,482,567
182	rs10191837	2	118,681,163
183	rs287790	2	122,093,087
184	rs6750983	2	122,995,486
185	rs6733255	2	127,378,616
186	rs1545216	2	129,811,353
187	rs2625051	2	131,346,589
188	rs971414	2	133,515,817
189	rs218174	2	136,492,077

190	rs4954540	2	138,389,237
191	rs6705862	2	139,227,101
192	rs7591743	2	143,110,500
193	rs4662260	2	147,183,110
194	rs1979038	2	149,044,630
195	rs6733811	2	152,371,653
196	rs723802	2	157,501,974
197	rs12472133	2	158,590,538
198	rs901303	2	163,241,954
199	rs1676038	2	164,075,818
200	rs1600148	2	168,013,254
201	rs11678181	2	169,284,880
202	rs10930443	2	171,545,343
203	rs2357320	2	172,909,877
204	rs12466967	2	174,169,587
205	rs2362870	2	177,437,150
206	rs13000048	2	178,162,596
207	rs256550	2	190,570,244
208	rs2271767	2	192,104,833
209	rs6710083	2	192,598,098
210	rs6748661	2	195,508,346
211	rs6434811	2	196,691,926
212	rs920249	2	201,137,835
213	rs10932088	2	205,537,917
214	rs7573626	2	206,169,372
215	rs1362663	2	206,595,095
216	rs288079	2	210,260,982
217	rs1473636	2	212,707,696
218	rs920525	2	213,812,201
219	rs11894175	2	215,052,530
220	rs3755152	2	216,647,703
221	rs10932695	2	217,823,586
222	rs16859382	2	219,519,361
223	rs2385622	2	220,525,617
224	rs6761192	2	222,473,394
225	rs4674659	2	223,187,985
226	rs744396	2	224,396,286
227	rs16866714	2	226,502,639
228	rs6735031	2	230,108,815
229	rs11690414	2	231,433,209
230	rs1868929	2	232,009,096
231	rs2215173	2	234,637,171
232	rs1027868	2	235,038,745
233	rs935925	2	236,996,545
234	rs6747043	2	238,116,251
235	rs907109	2	239,348,309
236	rs12471078	2	240,715,255
237	rs7420176	2	242,721,029

238	rs4684404	3	412,533
239	rs10865704	3	1,127,576
240	rs155412	3	1,329,463
241	rs12638122	3	2,751,808
242	rs7644488	3	3,533,481
243	rs1352405	3	3,887,946
244	rs11130135	3	4,784,618
245	rs1811510	3	5,750,231
246	rs1532541	3	7,028,680
247	rs9825026	3	9,092,788
248	rs638107	3	10,473,198
249	rs11719375	3	10,681,597
250	rs7627605	3	12,374,270
251	rs3762721	3	13,870,807
252	rs6808313	3	15,289,028
253	rs6442608	3	16,563,277
254	rs7652410	3	22,008,145
255	rs1349265	3	24,134,391
256	rs6795607	3	24,606,169
257	rs1303629	3	25,530,110
258	rs6763642	3	26,724,657
259	rs2197896	3	30,007,534
260	rs7619670	3	31,361,236
261	rs9838282	3	35,889,593
262	rs6550406	3	36,193,079
263	rs1122818	3	39,116,100
264	rs3821372	3	39,523,375
265	rs1869868	3	46,869,992
266	rs4687591	3	53,839,447
267	CV1297966	3	54,034,604
268	rs9825091	3	56,771,066
269	rs9811612	3	59,175,320
270	rs604398	3	59,838,887
271	rs1562521	3	60,854,734
272	rs7622872	3	61,277,754
273	rs833660	3	62,527,834
274	rs13093187	3	64,487,122
275	rs12635307	3	66,603,496
276	rs1288980	3	71,188,553
277	rs11721278	3	72,676,000
278	rs682415	3	74,382,798
279	rs1027402	3	76,435,516
280	rs1494255	3	87,531,066
281	rs9784387	3	98,410,453
282	rs2623382	3	100,550,148
283	rs12489482	3	106,062,098
284	rs1163447	3	110,539,441
285	rs1477844	3	112,312,521

286	rs9288952	3	113,667,715
287	rs6806816	3	116,691,828
288	rs7431707	3	117,464,606
289	rs12695349	3	118,639,153
290	rs1909808	3	123,808,157
291	rs1985665	3	124,224,702
292	rs1254401	3	124,836,431
293	rs735739	3	127,476,231
294	rs2811337	3	131,065,582
295	rs1027858	3	131,785,884
296	rs4955503	3	136,019,145
297	rs641320	3	139,830,655
298	rs7645419	3	141,357,292
299	rs3796259	3	142,461,619
300	rs12497227	3	145,043,228
301	rs7641230	3	145,976,480
302	rs7646807	3	149,664,564
303	rs6800064	3	152,409,466
304	rs1439013	3	154,064,689
305	rs181696	3	156,748,806
306	rs6796127	3	157,597,600
307	rs1978831	3	160,796,348
308	rs6803163	3	169,410,958
309	rs9290364	3	170,477,884
310	rs9647366	3	172,568,426
311	rs13099104	3	174,130,869
312	rs9868994	3	176,215,783
313	rs6802083	3	176,884,416
314	rs1978396	3	179,085,862
315	rs2567648	3	182,441,386
316	rs9819105	3	184,461,489
317	rs9834934	3	187,204,374
318	rs3774061	3	187,447,410
319	rs9823203	3	188,357,343
320	rs3846193	3	190,150,867
321	rs6793627	3	190,527,001
322	rs7624080	3	192,069,680
323	rs7653308	3	193,645,753
324	rs10933728	3	195,510,270
325	rs4677637	3	195,956,225
326	rs6782303	3	199,134,546
327	rs4865470	4	1,738,014
328	rs6827536	4	3,716,460
329	rs3821920	4	5,459,672
330	rs3774883	4	5,944,669
331	rs4689327	4	6,188,748
332	CV1214441	4	6,842,412
333	rs4696778	4	8,037,379

334	rs4552452	4	10,100,592
335	rs4697843	4	10,772,027
336	rs6825164	4	12,118,100
337	rs758973	4	13,215,642
338	rs2872795	4	17,006,650
339	rs2724478	4	17,731,408
340	rs9291432	4	21,656,772
341	rs1500458	4	22,023,188
342	rs7689639	4	25,251,806
343	rs6842695	4	25,537,628
344	rs2007586	4	26,244,492
345	rs10517192	4	29,453,118
346	rs2034371	4	32,852,430
347	rs719776	4	33,509,226
348	rs7689126	4	34,622,466
349	rs10049867	4	36,090,235
350	rs6447622	4	40,218,492
351	rs1113837	4	41,438,579
352	rs4623048	4	41,674,415
353	rs7695466	4	52,933,205
354	rs1156180	4	55,100,097
355	rs17081857	4	55,884,258
356	rs4241633	4	60,999,414
357	rs10032765	4	63,551,250
358	rs1384720	4	65,104,415
359	rs7663168	4	67,166,380
360	rs2199040	4	70,006,074
361	rs7689609	4	72,448,409
362	rs4694666	4	75,432,877
363	rs7664889	4	77,444,883
364	rs7669299	4	78,804,323
365	rs7687681	4	80,241,595
366	rs1712373	4	82,512,488
367	rs9968403	4	83,805,120
368	rs10030779	4	84,700,743
369	rs2178603	4	85,447,928
370	rs2725267	4	89,373,354
371	rs6814827	4	91,697,846
372	rs10003577	4	95,677,257
373	rs6827097	4	99,614,458
374	rs755961	4	102,557,044
375	rs7662047	4	103,448,908
376	rs7657799	4	105,733,027
377	rs7440570	4	110,743,640
378	rs2282787	4	111,288,398
379	rs1147588	4	112,333,504
380	rs12503758	4	114,206,646
381	rs1525760	4	117,492,984

382	rs11934975	4	119,658,754
383	rs6534487	4	126,809,579
384	rs1216400	4	129,869,923
385	rs10016932	4	131,534,512
386	rs7694118	4	134,426,240
387	rs1451115	4	137,559,494
388	rs13118868	4	141,171,843
389	rs10016497	4	141,571,827
390	rs1872861	4	142,113,495
391	rs11100741	4	143,305,151
392	rs2635256	4	149,214,558
393	rs10016143	4	149,973,166
394	rs2407548	4	152,208,129
395	rs7692206	4	155,464,298
396	rs2220061	4	156,896,899
397	rs7683995	4	157,353,838
398	rs11736805	4	159,841,009
399	rs1434621	4	163,007,260
400	rs6829588	4	165,579,576
401	rs1530044	4	166,785,016
402	rs2062589	4	170,148,113
403	rs2877558	4	172,117,946
404	rs17056945	4	172,790,419
405	rs2217849	4	175,376,754
406	rs13107001	4	176,774,736
407	rs13146622	4	177,202,513
408	rs2574904	4	178,219,717
409	rs1377859	4	179,124,236
410	rs2545258	4	182,062,741
411	rs10011443	4	183,319,987
412	rs1877289	4	184,564,564
413	rs4861584	4	185,240,270
414	rs983763	4	186,356,869
415	rs7691485	4	186,823,625
416	rs11736748	4	188,417,323
417	rs954456	4	188,841,258
418	rs6419955	4	189,077,709
419	rs2272596	4	191,237,140
420	rs9637838	5	873,185
421	rs4975732	5	1,879,075
422	rs378257	5	2,571,738
423	rs1565807	5	3,018,167
424	rs585638	5	3,993,916
425	rs11747238	5	4,831,369
426	rs4143541	5	5,778,162
427	rs1150476	5	6,013,084
428	rs3733778	5	6,544,532
429	rs170936	5	8,211,804

430	rs6892396	5	10,386,138
431	rs13357360	5	11,759,034
432	rs13163249	5	12,838,191
433	rs230066	5	13,576,834
434	rs6887662	5	14,472,552
435	rs871722	5	17,490,494
436	rs12109816	5	19,786,897
437	rs13189619	5	21,763,249
438	rs16893878	5	24,768,486
439	rs4533853	5	26,975,681
440	rs7727623	5	28,248,480
441	rs7735863	5	31,522,297
442	rs7714189	5	31,786,103
443	rs35397	5	33,986,873
444	rs40030	5	36,212,631
445	rs930072	5	36,701,828
446	rs4869577	5	38,254,937
447	rs12657366	5	39,207,788
448	rs6883840	5	40,322,167
449	rs4074332	5	54,176,944
450	rs6881896	5	55,508,312
451	rs6883485	5	57,015,013
452	rs16889892	5	58,814,133
453	rs10059859	5	59,267,064
454	rs7712760	5	64,075,218
455	rs1428473	5	66,589,316
456	rs33347	5	68,010,277
457	rs874973	5	72,773,651
458	rs13357495	5	73,121,422
459	rs4296785	5	75,746,539
460	rs7712675	5	76,174,323
461	rs4455545	5	77,675,361
462	rs16877749	5	79,706,997
463	rs6452419	5	80,907,158
464	rs6895226	5	82,150,859
465	rs2964881	5	85,709,177
466	rs301719	5	88,268,671
467	rs1983366	5	90,133,069
468	rs10474347	5	90,602,254
469	rs6556871	5	94,804,531
470	rs4703161	5	100,970,354
471	rs294152	5	104,486,852
472	rs4631225	5	108,840,383
473	rs313617	5	109,845,448
474	rs2416309	5	112,600,473
475	rs1382342	5	115,589,027
476	rs7445113	5	117,067,817
477	rs11951498	5	119,471,746

478	rs10041728	5	121,164,880
479	rs2914585	5	121,454,021
480	rs718359	5	123,736,936
481	CV11532818	5	125,951,531
482	rs1478446	5	127,599,798
483	rs30533	5	132,122,873
484	CV25637683	5	132,584,331
485	rs261532	5	138,929,546
486	rs33957	5	141,908,017
487	rs17099475	5	142,138,783
488	rs6883434	5	145,020,090
489	rs4513684	5	147,632,278
490	rs4705411	5	149,411,218
491	rs2569107	5	149,802,040
492	rs6869603	5	150,123,042
493	rs1462110	5	152,632,939
494	rs4478303	5	155,417,547
495	rs17057017	5	159,062,695
496	rs4551093	5	162,585,405
497	rs1909593	5	165,556,477
498	rs12522225	5	167,205,850
499	rs155239	5	169,098,506
500	rs1035414	5	169,858,373
501	rs1107776	5	171,955,921
502	rs4868232	5	172,332,844
503	rs12514977	5	173,668,113
504	rs7729084	5	174,314,186
505	rs6556222	5	175,110,027
506	rs692843	5	176,188,252
507	rs6422347	5	177,795,689
508	rs11951895	5	178,606,521
509	rs670902	5	180,147,459
510	rs10313	5	180,615,011
511	rs736864	6	131,221
512	rs6597398	6	925,237
513	rs7775219	6	3,222,297
514	rs2326248	6	3,632,313
515	rs1265328	6	4,713,690
516	rs2224391	6	5,205,935
517	rs1323200	6	5,814,353
518	rs3024354	6	6,237,429
519	rs4276549	6	8,825,098
520	rs6456591	6	10,751,821
521	rs209814	6	12,059,847
522	rs2504914	6	12,715,027
523	rs579240	6	13,467,310
524	rs857455	6	14,788,086
525	rs7770341	6	16,276,393

526	rs6908632	6	17,505,095
527	rs7760407	6	20,550,287
528	rs11966463	6	22,111,874
529	rs303016	6	25,247,443
530	rs11966360	6	26,424,961
531	rs11962335	6	35,549,145
532	rs195429	6	37,462,413
533	rs2181243	6	39,330,978
534	rs6930913	6	39,616,773
535	rs619572	6	42,425,545
536	rs1334601	6	43,761,383
537	rs7757763	6	44,093,820
538	rs927485	6	44,646,117
539	rs10948308	6	46,857,996
540	rs243123	6	48,741,548
541	rs6577	6	52,723,374
542	rs7766458	6	54,248,087
543	rs9475487	6	55,933,810
544	rs9444618	6	64,938,782
545	rs2639291	6	71,238,734
546	rs1619936	6	71,655,266
547	rs1573057	6	73,915,151
548	rs1341567	6	76,684,896
549	rs613998	6	81,256,204
550	rs1325471	6	84,624,394
551	rs2179770	6	86,888,966
552	rs1923416	6	89,348,510
553	rs11963862	6	91,829,068
554	rs222541	6	95,287,884
555	rs197870	6	95,613,585
556	rs211158	6	97,129,659
557	rs1190286	6	105,717,639
558	rs7752055	6	106,067,405
559	rs11966261	6	106,409,967
560	rs4946888	6	108,437,987
561	rs9386887	6	110,754,613
562	rs706913	6	112,160,666
563	rs1204797	6	116,648,240
564	rs443149	6	121,456,469
565	rs9320960	6	124,139,020
566	rs1015247	6	124,662,213
567	rs9491384	6	125,673,258
568	rs774290	6	129,086,919
569	rs2286453	6	132,039,491
570	rs9388989	6	132,739,275
571	rs4507607	6	134,451,492
572	rs7756167	6	135,664,698
573	rs1480642	6	136,541,221

574	rs276497	6	137,388,820
575	rs10872502	6	139,443,167
576	rs4489173	6	143,457,111
577	rs4896767	6	145,352,783
578	rs362949	6	146,694,047
579	rs11155751	6	151,187,493
580	rs505358	6	151,419,962
581	rs9397067	6	152,012,965
582	rs4870209	6	154,047,709
583	rs1017643	6	156,886,246
584	rs2803358	6	158,178,337
585	rs1979541	6	159,075,822
586	rs2209247	6	161,853,401
587	rs6455767	6	162,118,746
588	rs9458710	6	163,392,697
589	rs1325399	6	164,611,524
590	rs686406	6	165,900,564
591	rs2345674	6	167,238,537
592	rs1871423	6	168,462,409
593	rs3055	6	169,884,144
594	rs745285	6	170,455,957
595	rs6948971	7	1,627,504
596	rs6977305	7	3,716,791
597	rs4723627	7	4,135,990
598	rs7807841	7	6,025,698
599	rs1294631	7	7,196,637
600	rs3823831	7	8,013,677
601	rs11984180	7	8,494,470
602	rs2882524	7	9,289,163
603	rs7798735	7	9,919,817
604	rs6967267	7	12,458,241
605	rs11771343	7	13,048,079
606	rs1525091	7	14,565,903
607	rs7810554	7	14,914,430
608	rs37423	7	15,561,481
609	rs4383884	7	18,882,944
610	rs7783252	7	19,741,355
611	rs2965404	7	21,522,742
612	rs187985	7	23,199,472
613	rs10480042	7	25,578,687
614	rs2391223	7	25,895,181
615	rs6461999	7	27,054,544
616	rs7776819	7	28,904,002
617	rs2107550	7	30,691,603
618	rs2267739	7	30,910,137
619	rs2598392	7	33,394,139
620	rs7810092	7	34,169,870
621	rs17171649	7	39,871,715

622	rs37268	7	41,112,220
623	rs10264353	7	43,094,317
624	rs6463247	7	44,612,856
625	rs260368	7	46,236,582
626	rs12539620	7	48,987,183
627	rs10270964	7	50,663,335
628	rs17134266	7	51,302,006
629	rs6592995	7	52,225,975
630	rs10225118	7	54,798,351
631	rs17520733	7	70,094,440
632	rs844684	7	70,939,648
633	rs239959	7	75,215,458
634	rs2110871	7	77,725,199
635	CV2790012	7	78,354,894
636	rs13237436	7	79,520,469
637	rs1322849	7	81,726,190
638	rs7802588	7	83,132,586
639	rs7807771	7	84,793,614
640	rs10488004	7	90,402,887
641	rs9784907	7	92,591,107
642	rs6465387	7	92,798,711
643	rs2395018	7	98,358,537
644	rs883403	7	98,692,629
645	rs10256829	7	103,276,634
646	rs6466115	7	105,705,623
647	rs17154865	7	107,290,240
648	rs1525200	7	108,053,867
649	rs10275038	7	111,080,977
650	rs12533049	7	113,996,284
651	rs10262976	7	117,294,188
652	rs2141360	7	120,654,124
653	rs683493	7	125,399,252
654	rs350650	7	130,174,978
655	rs4607549	7	130,791,604
656	rs1450881	7	131,289,800
657	rs1433391	7	131,558,772
658	rs4728417	7	136,597,185
659	rs7796821	7	136,972,046
660	rs10954631	7	137,996,881
661	rs2249070	7	138,329,600
662	rs1985729	7	141,147,989
663	rs6464595	7	143,724,681
664	rs802566	7	145,393,531
665	rs344454	7	145,839,082
666	rs975018	7	148,941,967
667	rs11765596	7	150,681,740
668	rs11763144	7	150,921,544
669	rs6464211	7	151,311,501

670	rs520556	7	152,141,044
671	rs10952443	7	152,818,126
672	rs1861141	7	153,498,093
673	rs4716656	7	154,799,523
674	rs4716933	7	155,223,663
675	rs1922084	7	155,542,036
676	rs1182381	7	156,542,949
677	rs11995302	8	313,502
678	rs882119	8	1,455,875
679	rs1455640	8	2,306,617
680	rs4602918	8	2,610,476
681	rs11136580	8	2,970,182
682	rs11136757	8	4,447,323
683	rs11990769	8	5,041,230
684	rs1057187	8	6,250,491
685	rs11993541	8	8,242,697
686	rs12544727	8	10,287,569
687	rs6601548	8	10,925,506
688	rs2948375	8	12,791,034
689	rs1442534	8	13,018,978
690	rs1480144	8	16,181,956
691	rs1523643	8	16,833,606
692	rs425010	8	17,960,119
693	rs10503671	8	20,031,453
694	rs2613687	8	21,108,828
695	rs10098971	8	21,364,794
696	rs6558052	8	22,329,632
697	rs926105	8	24,776,396
698	rs1485747	8	25,903,790
699	rs4732619	8	27,933,188
700	rs4732942	8	29,353,437
701	rs2938203	8	30,250,474
702	rs1462906	8	32,016,134
703	rs4237080	8	34,900,051
704	rs934649	8	35,837,839
705	CV9317986	8	40,031,179
706	rs2722459	8	40,525,616
707	rs2923419	8	42,585,573
708	rs3763547	8	52,974,896
709	rs7006934	8	54,812,636
710	rs13439780	8	56,506,740
711	rs10093645	8	59,141,359
712	CV3036480	8	60,035,753
713	rs1866694	8	62,335,222
714	rs16932440	8	67,113,059
715	rs4437632	8	69,014,046
716	rs10957516	8	71,281,605
717	rs346617	8	73,406,911

718	rs2570169	8	75,999,386
719	CV11849977	8	77,703,907
720	rs10957952	8	81,104,552
721	rs999450	8	82,058,891
722	rs1375781	8	84,135,108
723	rs1882852	8	91,363,305
724	rs2978133	8	95,164,339
725	rs3133745	8	96,603,982
726	rs11996075	8	98,979,463
727	rs6994682	8	101,490,974
728	rs7824468	8	102,094,827
729	rs2669425	8	105,464,759
730	rs11986537	8	106,949,825
731	rs17840659	8	111,488,705
732	rs9297546	8	116,891,444
733	rs17297109	8	122,638,614
734	rs12547950	8	123,685,278
735	rs13251094	8	126,594,178
736	rs7836147	8	126,834,504
737	rs780321	8	127,152,877
738	rs12543473	8	127,850,622
739	rs4427136	8	128,949,021
740	rs4367565	8	131,607,137
741	rs1514626	8	132,834,923
742	rs16904950	8	134,638,134
743	rs7831261	8	135,416,154
744	rs4471082	8	138,204,459
745	rs7017031	8	139,619,035
746	CV1681296	8	140,914,343
747	rs7011715	8	142,488,436
748	rs6558387	8	144,910,578
749	rs7017102	8	145,190,636
750	rs11248217	8	146,139,664
751	rs16932430	9	334,332
752	rs10809101	9	1,048,914
753	rs10964101	9	1,933,156
754	rs7865808	9	2,903,620
755	rs12378782	9	4,321,717
756	rs913258	9	4,867,246
757	rs7043596	9	5,699,530
758	rs1500318	9	8,351,445
759	rs324498	9	9,049,545
760	rs449090	9	10,053,345
761	rs10491949	9	11,503,866
762	rs1331675	9	13,167,389
763	rs10810130	9	14,294,973
764	rs4741453	9	15,075,778
765	rs10756782	9	16,690,514

766	rs2593404	9	17,549,393
767	rs10811249	9	19,822,327
768	rs2301550	9	20,344,796
769	rs4977826	9	23,117,562
770	rs7873820	9	24,873,179
771	rs1412387	9	25,568,182
772	rs439314	9	26,369,840
773	rs4878586	9	27,800,414
774	rs10757957	9	30,466,239
775	rs4879592	9	32,687,114
776	rs3849903	9	33,308,588
777	rs10758409	9	36,859,256
778	rs1887455	9	37,478,725
779	rs1331473	9	68,444,280
780	rs10780551	9	69,508,257
781	rs1935338	9	71,268,720
782	rs981197	9	73,634,385
783	rs894823	9	77,308,083
784	rs6559415	9	78,673,409
785	rs951577	9	82,269,663
786	rs1889902	9	84,063,192
787	rs7859549	9	85,916,539
788	rs927524	9	87,122,154
789	rs17054173	9	88,349,153
790	rs774227	9	91,273,496
791	rs10992623	9	92,910,203
792	rs6477733	9	96,704,618
793	rs7853312	9	98,082,189
794	rs1932158	9	102,089,023
795	rs2230808	9	104,642,359
796	rs1510283	9	106,775,505
797	rs942136	9	108,165,951
798	rs3780528	9	110,746,832
799	rs7854368	9	111,887,196
800	rs10759715	9	114,356,849
801	rs3789882	9	114,749,253
802	rs10739459	9	115,949,437
803	rs4144636	9	116,842,261
804	rs10739560	9	120,110,398
805	rs2488597	9	123,071,627
806	rs3814134	9	124,347,243
807	rs518116	9	126,795,290
808	rs3115874	9	128,658,892
809	rs590086	9	130,373,213
810	rs1009249	9	130,943,617
811	rs7041015	9	132,323,407
812	rs2002962	9	133,131,169
813	rs6537934	9	134,737,223

814	rs5029224	9	137,999,636
815	rs7860423	9	138,231,384
816	rs816627	10	608,409
817	rs10794743	10	1,401,286
818	rs10751868	10	2,339,357
819	rs4881055	10	3,043,366
820	rs2025163	10	4,289,104
821	rs1341926	10	6,334,450
822	rs2804126	10	7,000,618
823	rs1149908	10	8,193,828
824	rs1414090	10	9,430,541
825	rs201113	10	11,088,270
826	rs4623785	10	12,784,342
827	rs2039014	10	14,855,085
828	rs1326207	10	15,206,911
829	rs12247963	10	15,875,255
830	rs12261591	10	17,117,396
831	rs12262718	10	17,383,712
832	rs4406722	10	19,941,019
833	rs7079790	10	21,336,969
834	rs11814448	10	22,355,849
835	rs6482313	10	23,984,216
836	rs3808907	10	25,282,928
837	rs11015436	10	27,299,826
838	rs796829	10	29,153,703
839	rs7919137	10	31,665,395
840	rs2776937	10	33,646,195
841	rs593992	10	34,576,055
842	rs10764116	10	37,279,571
843	rs10900107	10	44,563,177
844	rs11239367	10	44,967,018
845	rs11101394	10	49,475,222
846	rs4012659	10	50,771,215
847	rs10761587	10	52,319,199
848	rs1561662	10	53,910,718
849	rs1911414	10	55,427,222
850	rs1733742	10	56,518,858
851	rs12268117	10	57,964,665
852	rs224136	10	64,140,681
853	rs10761835	10	65,562,077
854	rs1904630	10	68,768,634
855	rs10762276	10	70,722,475
856	rs2394931	10	74,336,071
857	rs7908565	10	76,421,441
858	rs7896396	10	77,184,781
859	rs2913116	10	79,698,947
860	rs570677	10	80,292,362
861	rs946714	10	80,567,470

862	rs2207657	10	83,592,540
863	rs7069367	10	84,064,956
864	rs10788307	10	85,776,789
865	rs736141	10	86,006,470
866	rs7895530	10	91,577,329
867	rs6583810	10	94,106,213
868	rs701851	10	95,167,692
869	rs10736103	10	98,086,005
870	rs4532970	10	98,623,932
871	rs10748736	10	100,267,789
872	rs670283	10	105,917,100
873	rs10786930	10	108,001,243
874	rs11193154	10	108,744,739
875	rs2076974	10	111,810,301
876	rs11195536	10	113,101,768
877	rs7908735	10	113,962,396
878	rs11197469	10	117,639,876
879	rs992528	10	118,152,572
880	rs7908387	10	120,818,959
881	rs10749372	10	122,131,177
882	rs11200479	10	123,957,845
883	rs6599662	10	124,932,796
884	rs927957	10	127,281,017
885	rs2927504	10	127,876,453
886	rs2483852	10	128,840,131
887	rs10764784	10	130,206,989
888	rs1762430	10	131,163,189
889	rs7100028	10	131,538,677
890	rs4751330	10	132,835,434
891	rs9418990	10	135,226,847
892	rs7935419	11	668,973
893	rs800336	11	2,429,707
894	rs7933164	11	4,050,526
895	rs10768634	11	5,149,986
896	rs7947368	11	6,543,804
897	rs1384508	11	7,705,050
898	rs10765838	11	11,326,144
899	rs2403595	11	12,341,885
900	rs6486270	11	15,927,515
901	rs4148636	11	17,383,939
902	rs11024739	11	18,602,419
903	rs10833134	11	19,584,103
904	rs1377740	11	21,169,866
905	rs4378393	11	21,560,867
906	rs1607559	11	23,642,182
907	rs1561937	11	25,541,756
908	rs12807847	11	26,699,252
909	rs549272	11	30,419,686

910	rs598264	11	30,751,301
911	rs2553779	11	35,033,124
912	rs10768140	11	35,467,483
913	rs6484807	11	35,960,892
914	rs1030774	11	38,454,177
915	rs1031763	11	39,886,885
916	rs4631865	11	40,810,971
917	rs10837800	11	42,241,041
918	rs4752805	11	47,974,931
919	rs2905495	11	60,597,857
920	rs2071168	11	61,063,505
921	rs680273	11	64,296,211
922	rs4478996	11	66,646,134
923	rs10750836	11	68,572,099
924	rs10793379	11	70,408,796
925	rs7111814	11	72,613,473
926	rs3740767	11	76,379,254
927	rs3740677	11	77,605,684
928	rs603295	11	78,308,496
929	rs12289502	11	80,077,061
930	rs6592183	11	83,841,203
931	rs10792837	11	85,583,363
932	rs905646	11	87,993,450
933	rs585555	11	94,053,391
934	rs1150349	11	95,178,426
935	rs7125582	11	96,053,431
936	rs1452673	11	96,757,835
937	rs1532007	11	98,350,841
938	rs1442449	11	99,671,000
939	rs527709	11	105,756,724
940	rs647756	11	107,040,968
941	rs566552	11	108,726,089
942	rs4622301	11	110,301,295
943	rs6589360	11	112,555,502
944	rs7934726	11	113,415,486
945	rs2507874	11	114,433,145
946	rs7103514	11	117,325,771
947	rs647975	11	117,543,951
948	rs12273026	11	119,955,531
949	rs509334	11	120,783,128
950	rs7952397	11	122,562,351
951	rs1942662	11	124,037,710
952	rs10893538	11	125,927,580
953	rs2514895	11	126,615,393
954	rs7103088	11	129,514,516
955	rs103610	11	130,918,629
956	rs2226633	11	131,825,604
957	rs6590705	11	132,839,732

958	rs470713	11	133,503,108
959	rs124440	12	202,923
960	rs7967165	12	950,268
961	rs11062437	12	2,947,460
962	rs10744614	12	3,425,163
963	rs11063488	12	5,057,090
964	rs7303229	12	5,540,711
965	rs3782711	12	6,053,442
966	rs11064432	12	6,839,002
967	rs10840686	12	8,152,917
968	rs10845099	12	10,312,069
969	rs1861482	12	11,724,925
970	rs10772518	12	12,017,303
971	rs850918	12	13,033,441
972	rs7310891	12	14,707,830
973	rs984303	12	15,641,658
974	rs7967366	12	19,079,208
975	rs10841722	12	21,057,358
976	rs4350408	12	22,043,980
977	rs4514479	12	23,300,566
978	rs7307747	12	25,389,896
979	rs7975017	12	26,320,060
980	rs7963493	12	26,526,342
981	rs299478	12	29,598,519
982	rs1612581	12	30,352,893
983	rs4931655	12	32,949,329
984	rs7978988	12	34,288,146
985	rs11182432	12	42,855,115
986	rs2471601	12	45,234,926
987	rs7970314	12	46,594,441
988	rs615382	12	48,699,178
989	rs7306523	12	51,680,231
990	rs11171526	12	54,192,728
991	rs10876851	12	54,471,828
992	rs899653	12	56,170,068
993	rs7132009	12	58,873,307
994	CV12118787	12	63,541,720
995	rs11175885	12	64,400,897
996	rs10878561	12	65,791,320
997	rs918003	12	66,562,762
998	rs10784930	12	70,374,571
999	rs460406	12	71,298,182
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1001	rs1402317	12	76,731,833
1002	rs7138514	12	78,297,026
1003	rs10778691	12	78,722,356
1004	rs11115459	12	81,746,582
1005	CV159612	12	84,153,007

1006	rs388693	12	87,675,180
1007	rs2731232	12	89,076,579
1008	rs10859541	12	92,512,655
1009	rs7975526	12	93,545,307
1010	rs201392	12	97,741,599
1011	rs11110411	12	99,420,948
1012	rs2242138	12	100,251,372
1013	rs12820008	12	101,654,496
1014	rs6539244	12	104,853,569
1015	rs916682	12	110,161,866
1016	rs11066430	12	111,732,317
1017	rs4767252	12	113,650,444
1018	rs1549338	12	114,625,336
1019	rs7969190	12	115,433,412
1020	rs4767461	12	115,749,701
1021	rs628644	12	116,567,644
1022	rs280591	12	118,753,438
1023	rs4077055	12	120,017,143
1024	rs6486783	12	120,836,542
1025	rs1051431	12	122,170,683
1026	rs1070544	12	123,701,245
1027	rs2615667	12	124,528,328
1028	rs12304312	12	125,374,021
1029	rs12370733	12	126,380,251
1030	rs1560545	12	126,829,145
1031	rs1709704	12	127,345,394
1032	rs1486638	12	128,110,291
1033	rs4759479	12	129,499,953
1034	rs7397250	12	130,716,001
1035	rs11835531	12	131,187,811
1036	rs9551445	13	18,884,472
1037	rs9509008	13	19,501,778
1038	rs1885894	13	21,545,183
1039	rs9510171	13	21,858,130
1040	rs4378490	13	24,810,035
1041	rs943724	13	26,172,270
1042	rs10459349	13	26,684,384
1043	rs7981680	13	27,791,870
1044	rs9579606	13	30,041,391
1045	rs12100282	13	32,351,449
1046	rs1329667	13	33,389,838
1047	rs9531159	13	35,368,336
1048	rs9532218	13	37,858,370
1049	rs1078421	13	38,577,678
1050	rs1572018	13	40,613,282
1051	rs9533771	13	43,575,599
1052	rs9534014	13	44,445,257
1053	rs9567896	13	47,075,122

1054	rs3751380	13	48,049,420
1055	rs7321057	13	50,580,015
1056	rs790325	13	56,527,759
1057	rs1622710	13	59,004,926
1058	rs4581589	13	63,243,106
1059	rs1020228	13	66,274,348
1060	rs11148886	13	71,178,521
1061	rs7333151	13	72,517,230
1062	rs8002907	13	73,685,238
1063	rs9530435	13	74,891,888
1064	rs3861128	13	76,630,334
1065	rs7332661	13	80,264,252
1066	rs9575430	13	83,379,843
1067	rs9515517	13	88,498,193
1068	rs552157	13	90,913,783
1069	rs9788393	13	93,042,338
1070	rs7492028	13	96,367,097
1071	rs285087	13	97,543,805
1072	rs987531	13	100,203,984
1073	rs2476230	13	101,380,444
1074	rs6491743	13	102,859,333
1075	rs9582807	13	103,578,174
1076	rs11840893	13	104,180,092
1077	rs1999884	13	105,078,603
1078	rs913607	13	105,708,805
1079	rs7338078	13	106,289,769
1080	rs7989360	13	109,137,998
1081	rs9301448	13	109,804,081
1082	rs9522149	13	110,625,168
1083	rs1183183	13	110,934,706
1084	rs4907499	13	111,827,429
1085	rs4630437	13	112,998,037
1086	rs3211416	13	114,028,356
1087	rs1620265	14	20,092,673
1088	rs11156730	14	20,407,106
1089	rs6572731	14	22,307,675
1090	rs4982736	14	22,698,306
1091	rs8022613	14	23,476,758
1092	rs8015766	14	25,047,610
1093	rs1474965	14	25,946,860
1094	rs2332880	14	26,494,304
1095	rs12897779	14	31,254,168
1096	rs3784191	14	31,993,041
1097	rs1012023	14	33,025,960
1098	rs12891015	14	33,911,450
1099	rs1012913	14	36,014,397
1100	rs1956424	14	36,601,653
1101	rs6572174	14	42,345,547

1102	rs17115651	14	44,385,429
1103	rs1954231	14	46,497,850
1104	rs7146139	14	50,320,907
1105	rs1057804	14	51,503,805
1106	rs1888344	14	53,398,432
1107	rs8009244	14	54,713,505
1108	rs7143380	14	55,503,022
1109	rs8019850	14	56,755,187
1110	rs12897140	14	61,031,163
1111	rs2356515	14	62,917,974
1112	rs1953233	14	64,642,915
1113	rs2144061	14	66,596,315
1114	rs4899321	14	69,431,901
1115	rs6574072	14	71,937,086
1116	rs8022535	14	75,131,136
1117	rs7157792	14	76,422,856
1118	rs987644	14	78,313,798
1119	rs221436	14	79,204,123
1120	rs1384631	14	84,357,757
1121	rs11159698	14	84,835,008
1122	rs1009799	14	86,995,711
1123	rs7141800	14	88,874,260
1124	rs3825663	14	89,499,502
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1127	rs8022629	14	94,004,861
1128	rs8015314	14	94,508,981
1129	rs2369049	14	95,241,604
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1131	rs1003229	14	97,241,370
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1133	rs1191022	14	99,515,059
1134	rs1131877	14	102,411,802
1135	rs12589619	14	104,117,773
1136	rs10142224	14	105,079,690
1137	rs17112080	14	106,303,947
1138	rs6606825	15	20,614,243
1139	rs6576431	15	21,333,294
1140	rs2719890	15	23,070,055
1141	rs6576551	15	24,027,268
1142	rs8042276	15	25,367,670
1143	rs1448484	15	25,957,036
1144	rs11070208	15	27,102,607
1145	rs2004657	15	27,421,806
1146	rs7173247	15	31,246,185
1147	rs480616	15	32,057,267
1148	rs1376785	15	32,900,002
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1151	rs275187	15	37,215,985
1152	rs679882	15	38,546,639
1153	rs199138	15	43,174,842
1154	rs2675345	15	46,187,491
1155	rs1873813	15	51,082,540
1156	rs16977374	15	55,368,884
1157	rs11071428	15	57,402,133
1158	rs974828	15	58,642,847
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1161	rs7162991	15	66,419,366
1162	rs896999	15	66,887,631
1163	rs4777126	15	67,294,514
1164	rs7402101	15	69,841,884
1165	rs3087652	15	70,422,957
1166	rs7402884	15	75,169,014
1167	rs6495489	15	78,409,622
1168	rs4238528	15	79,406,760
1169	rs1905233	15	79,630,386
1170	rs8040248	15	82,519,409
1171	rs2859553	15	85,301,162
1172	rs7170666	15	86,955,970
1173	rs3844110	15	88,315,951
1174	rs977681	15	89,583,263
1175	rs6496858	15	90,062,853
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1178	rs1479828	15	92,417,738
1179	rs957703	15	93,610,134
1180	rs4451923	15	95,740,153
1181	rs4965117	15	96,293,254
1182	rs2063275	15	97,411,591
1183	rs2581468	15	97,929,991
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1185	rs7175787	15	99,216,323
1186	rs4965814	15	99,631,440
1187	rs2562182	16	73,946
1188	rs9927150	16	764,099
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1190	rs10775349	16	4,019,824
1191	rs1528322	16	5,343,986
1192	rs12933048	16	5,634,379
1193	rs8061597	16	6,245,103
1194	rs4787040	16	7,500,981
1195	rs11077228	16	7,797,996
1196	rs9925564	16	9,136,557
1197	rs12149023	16	9,561,854

1198	rs11074742	16	10,335,148
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1201	rs13335375	16	15,926,090
1202	rs7187018	16	17,107,926
1203	rs739564	16	19,647,738
1204	rs4780278	16	20,195,479
1205	rs4783432	16	21,858,916
1206	rs1503949	16	22,866,185
1207	rs8045868	16	24,872,019
1208	rs1423076	16	26,435,032
1209	rs7203982	16	28,862,361
1210	rs8046826	16	46,730,882
1211	rs4785155	16	47,561,279
1212	rs1848175	16	49,618,907
1213	rs9934908	16	50,234,093
1214	rs3912519	16	50,440,889
1215	rs4784375	16	52,953,863
1216	rs901439	16	53,686,238
1217	rs1787785	16	55,899,882
1218	rs6499886	16	56,171,159
1219	rs7191378	16	56,672,535
1220	rs7198976	16	58,487,027
1221	rs9925755	16	59,426,530
1222	rs6498910	16	62,219,139
1223	rs1110471	16	64,908,094
1224	rs3843712	16	65,491,654
1225	rs12444204	16	72,040,453
1226	rs9928718	16	73,634,239
1227	rs7201030	16	75,081,293
1228	rs4516239	16	77,004,103
1229	rs2287975	16	78,107,568
1230	rs4889024	16	78,353,697
1231	CV3025462	16	78,693,527
1232	rs6564771	16	79,199,290
1233	rs9933207	16	80,588,778
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1235	rs4782812	16	82,121,112
1236	rs8053934	16	82,576,092
1237	rs4280248	16	84,619,550
1238	rs1728390	16	84,971,560
1239	rs3922878	16	85,412,205
1240	rs4843607	16	85,993,724
1241	rs8062916	16	87,908,215
1242	rs6500465	16	88,680,668
1243	rs7208188	17	113,034
1244	CV11685062	17	721,710
1245	rs8070402	17	2,313,041

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1247	rs11870382	17	3,445,855
1248	rs8070464	17	4,459,241
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1251	rs4791367	17	9,665,099
1252	rs8075550	17	10,967,784
1253	rs8073752	17	11,615,619
1254	rs237303	17	12,376,639
1255	rs4792286	17	12,684,478
1256	rs8080590	17	14,171,999
1257	rs4791595	17	14,508,979
1258	rs758857	17	15,794,982
1259	rs7223820	17	17,211,843
1260	rs4924980	17	19,145,456
1261	rs2958458	17	20,655,970
1262	rs8079412	17	26,301,240
1263	rs6505324	17	28,354,977
1264	rs7222177	17	29,368,497
1265	rs212498	17	29,755,162
1266	rs2735484	17	31,358,760
1267	rs6607358	17	32,389,367
1268	rs739753	17	33,118,390
1269	rs2593595	17	38,309,771
1270	rs894685	17	40,410,565
1271	rs7226263	17	42,170,068
1272	rs11651869	17	46,256,936
1273	rs1910211	17	48,878,079
1274	rs3760281	17	51,157,210
1275	rs1019117	17	52,103,128
1276	rs884379	17	52,758,342
1277	rs7214631	17	55,947,947
1278	rs1427463	17	59,923,044
1279	rs2904210	17	60,833,655
1280	rs719934	17	62,430,855
1281	rs8077384	17	63,674,826
1282	rs2430522	17	67,204,284
1283	rs16977110	17	67,659,465
1284	rs903104	17	68,536,297
1285	rs9896656	17	69,286,243
1286	rs1107704	17	70,020,020
1287	rs9899687	17	70,869,854
1288	rs771722	17	72,394,995
1289	rs7218173	17	73,184,071
1290	rs8074370	17	74,468,926
1291	rs1122490	17	74,985,395
1292	CV3241728	17	75,032,097
1293	rs4969421	17	76,925,231

1294	rs4969485	17	77,624,969
1295	rs568273	18	600,157
1296	rs7235479	18	2,453,095
1297	rs6506123	18	3,412,508
1298	rs439890	18	3,710,081
1299	rs4797155	18	4,251,884
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1301	rs897351	18	6,092,146
1302	rs571324	18	7,035,121
1303	rs1893223	18	7,599,137
1304	rs629699	18	8,825,869
1305	rs1869735	18	9,690,456
1306	rs545056	18	10,555,281
1307	rs456908	18	11,308,729
1308	rs16976596	18	11,686,613
1309	rs2586204	18	17,228,736
1310	rs3764962	18	18,017,009
1311	rs7243722	18	19,997,389
1312	rs13370726	18	22,069,234
1313	rs2155771	18	24,818,125
1314	rs12960708	18	25,692,301
1315	rs4436849	18	28,809,444
1316	rs550139	18	30,978,322
1317	rs307114	18	35,894,645
1318	rs650754	18	36,803,731
1319	rs647853	18	38,442,742
1320	rs684289	18	39,220,883
1321	rs11082588	18	43,244,969
1322	rs1877415	18	44,303,255
1323	rs9945724	18	44,694,487
1324	rs6508087	18	47,551,726
1325	rs529067	18	50,107,039
1326	rs11151970	18	52,422,369
1327	rs1942920	18	55,790,389
1328	rs758811	18	57,154,484
1329	rs9320033	18	59,735,962
1330	rs4377248	18	60,013,901
1331	rs17061875	18	61,973,673
1332	rs4891724	18	64,961,189
1333	rs4891384	18	65,775,534
1334	rs4891408	18	66,375,618
1335	rs634392	18	68,367,025
1336	rs2156103	18	68,626,876
1337	rs1367345	18	69,633,470
1338	rs898487	18	71,628,874
1339	rs590218	18	72,198,871
1340	rs874299	18	73,185,272
1341	rs4798954	18	73,939,290

1342	rs483346	18	74,817,865
1343	rs4798924	18	75,734,727
1344	rs7252112	19	397,887
1345	rs2285972	19	1,309,726
1346	rs10405317	19	1,642,725
1347	rs8110664	19	2,834,136
1348	rs6510761	19	3,516,909
1349	rs1865028	19	5,966,066
1350	rs8106856	19	6,322,798
1351	rs308197	19	6,786,440
1352	rs10401786	19	7,766,764
1353	rs8113531	19	9,104,893
1354	rs13346361	19	9,561,908
1355	rs399878	19	11,295,505
1356	rs2052474	19	11,517,995
1357	rs2900918	19	13,366,333
1358	rs2607276	19	13,815,633
1359	rs2242143	19	16,162,544
1360	rs901792	19	16,652,443
1361	rs12972417	19	17,386,314
1362	rs6511061	19	19,915,823
1363	rs1850930	19	21,631,302
1364	rs867815	19	34,225,922
1365	rs10411052	19	34,701,197
1366	rs10553	19	37,779,881
1367	rs7259371	19	38,226,481
1368	rs1345656	19	40,072,184
1369	rs562638	19	44,541,629
1370	rs2231738	19	45,141,888
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1372	rs1205817	19	47,295,616
1373	rs846870	19	49,778,186
1374	rs7255770	19	50,531,860
1375	rs2974190	19	52,752,878
1376	rs274883	19	53,314,357
1377	rs1879266	19	54,681,872
1378	rs1626153	19	56,477,836
1379	rs8112502	19	57,315,134
1380	rs3745099	19	57,593,717
1381	rs1650940	19	58,199,111
1382	rs3826756	19	59,106,535
1383	rs890869	19	60,324,855
1384	rs3810168	19	60,588,521
1385	rs11673628	19	61,314,878
1386	rs2009609	19	62,955,811
1387	rs8109437	19	63,644,139
1388	rs2077713	20	166,783
1389	rs554362	20	850,002

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1392	rs16990309	20	4,784,440
1393	rs236121	20	5,920,594
1394	rs6133313	20	6,355,326
1395	rs2294306	20	7,817,025
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1397	rs2207102	20	11,244,026
1398	rs646814	20	12,939,536
1399	rs2876410	20	15,502,753
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1406	rs4911320	20	31,377,692
1407	rs3092776	20	38,136,423
1408	rs6101991	20	38,515,722
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1412	rs914828	20	45,050,724
1413	rs6018424	20	45,420,391
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1415	rs6019272	20	46,586,614
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1420	rs1028546	20	53,171,407
1421	rs1821808	20	53,979,208
1422	rs2426641	20	54,725,667
1423	rs1318379	20	55,194,692
1424	rs6015097	20	55,856,860
1425	rs1182522	20	57,799,471
1426	rs580897	20	58,108,837
1427	rs16984321	20	58,809,363
1428	rs2151512	20	60,346,890
1429	rs310644	20	61,629,948
1430	rs722098	21	15,607,469
1431	rs9977149	21	15,936,071
1432	rs1689045	21	16,525,943
1433	rs2823880	21	16,850,425
1434	rs2824687	21	18,474,680
1435	rs1487940	21	20,525,155
1436	rs9983989	21	24,239,640
1437	rs9977512	21	24,556,659

1438	rs380417	21	26,194,030
1439	rs2070398	21	29,800,235
1440	rs2832643	21	30,450,088
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1442	rs2833775	21	32,634,146
1443	rs2834670	21	35,202,246
1444	rs718387	21	36,049,947
1445	rs2835367	21	36,805,244
1446	rs2836181	21	38,477,680
1447	rs1209914	21	39,074,242
1448	rs766850	21	41,468,687
1449	rs369908	21	41,689,003
1450	rs220245	21	42,332,241
1451	rs605781	21	43,558,435
1452	rs9306171	21	44,283,206
1453	rs9618000	22	16,228,268
1454	rs5992751	22	16,454,708
1455	rs362249	22	16,984,664
1456	rs1009787	22	17,747,338
1457	rs444763	22	19,767,837
1458	rs737796	22	20,762,604
1459	rs139676	22	23,573,319
1460	rs6004726	22	24,358,061
1461	rs6004919	22	24,779,770
1462	rs650276	22	25,116,790
1463	rs743920	22	27,945,682
1464	rs11703808	22	30,349,534
1465	rs1013603	22	31,977,008
1466	rs4417800	22	32,288,344
1467	rs5999762	22	33,924,336
1468	rs739200	22	34,756,837
1469	rs932327	22	36,229,673
1470	rs12159761	22	37,597,141
1471	rs6002476	22	40,493,381
1472	rs9612037	22	42,025,266
1473	rs4823209	22	42,986,345
1474	rs6007220	22	43,347,041
1475	rs6007573	22	43,995,651
1476	rs9626968	22	45,914,111
1477	rs1028528	22	46,682,809
1478	rs742022	22	47,082,281
1479	rs4824056	22	48,248,934
1480	rs6520141	22	48,609,206
1481	rs8142477	22	49,301,520
1482	rs6530109	X	4,169,198
1483	rs5948775	X	6,338,291
1484	rs7884299	X	7,318,527
1485	rs5978365	X	9,816,188

1486	rs1474458	X	10,806,797
1487	rs1013549	X	11,920,721
1488	rs1007420	X	17,405,350
1489	rs5955757	X	19,133,496
1490	rs7889874	X	20,193,158
1491	rs9306764	X	21,902,011
1492	rs5926178	X	22,735,042
1493	rs5944257	X	25,762,033
1494	rs1482953	X	28,613,655
1495	rs6631456	X	31,788,314
1496	rs10522005	X	32,321,125
1497	rs2336656	X	35,851,166
1498	rs7876845	X	36,197,205
1499	rs7054363	X	37,645,852
1500	rs12687359	X	39,701,849
1501	rs5917380	X	40,297,074
1502	rs7887756	X	44,539,976
1503	rs1780838	X	45,320,574
1504	rs1936655	X	45,822,373
1505	rs1414370	X	63,232,776
1506	rs7063160	X	67,583,909
1507	rs1408784	X	68,409,905
1508	rs5981317	X	74,072,365
1509	rs1015736	X	85,494,829
1510	rs12388812	X	87,034,552
1511	rs1198718	X	92,278,548
1512	rs2799856	X	93,468,221
1513	rs319638	X	97,023,560
1514	rs1020903	X	98,959,539
1515	rs5962536	X	104,530,634
1516	rs992864	X	110,306,728
1517	rs3027764	X	110,818,490
1518	rs647000	X	111,861,808
1519	rs5956063	X	117,384,262
1520	rs5957220	X	118,624,372
1521	rs2192257	X	119,298,785
1522	rs3761557	X	122,041,004
1523	rs171259	X	127,191,935
1524	rs909657	X	128,509,102
1525	rs926228	X	132,447,904
1526	rs6528455	X	136,165,726
1527	rs12687833	X	138,567,527
1528	rs6528890	X	140,467,747
1529	rs12389458	X	141,419,331
1530	rs5945496	X	143,397,449
1531	rs5920316	X	145,612,760
1532	rs12012275	X	147,649,275
1533	rs222415	X	149,505,004

1534	rs7054554	X	150,935,421
1535	rs5945413	X	153,084,598
1536	rs12557310	X	154,299,402