



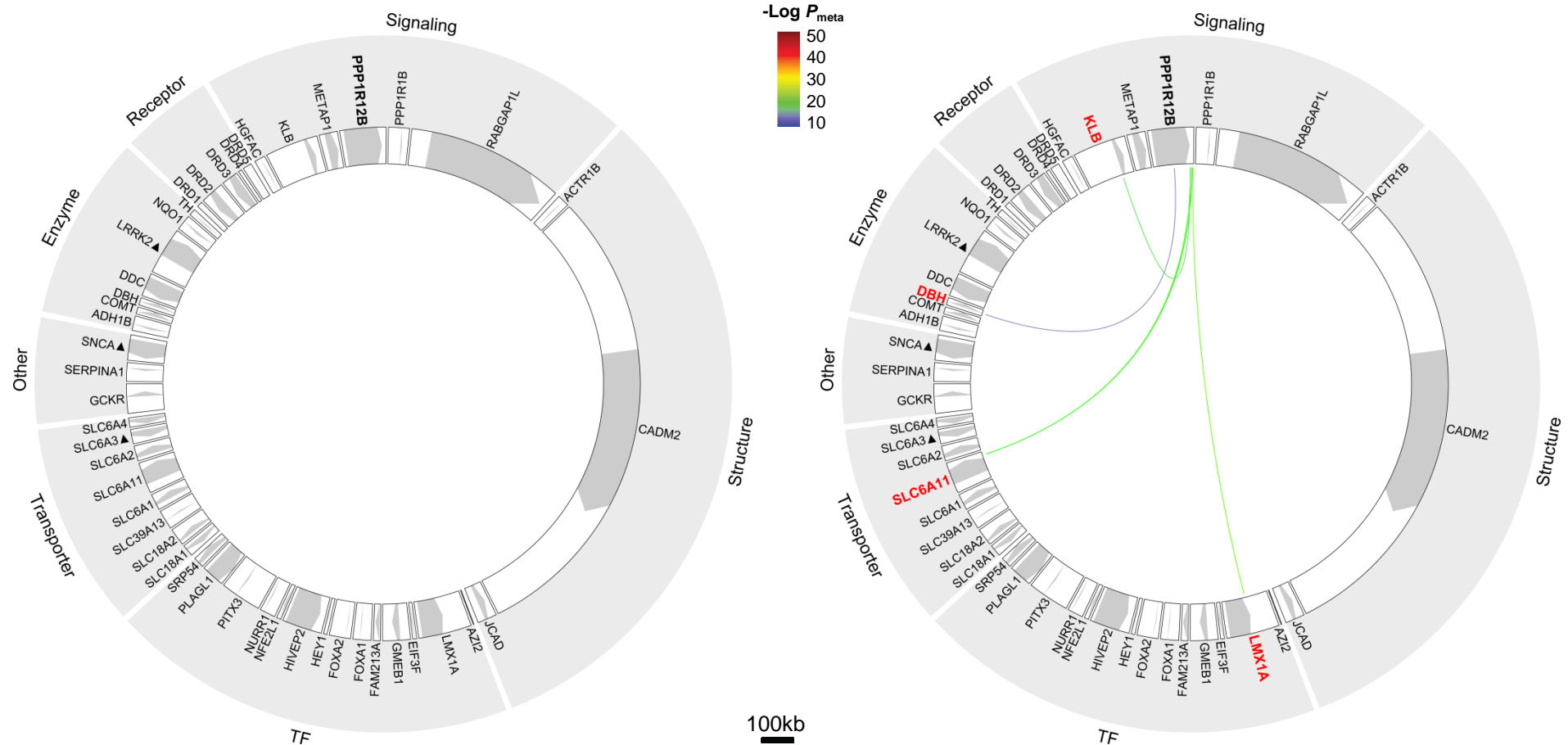
**c**

	forward primer		reverse primer	
<b>Rat <i>Ppp1r12b</i></b>	3154 CTTCCTGTCCACCTCACTT 3172		3294 CCAGACCTGACCTCGTCTA 3276	
<b>Rat <i>Ppp1r12a</i></b>	2890 TAGAAAGAAGAATATCTGA 2908		3038 TTGTGTGTTTTCTGTCCTA 3020	
<b>Mouse <i>Ppp1r12b</i></b>	1535 CCTTAGGGATCGAGGTTCTT 1554		1709 AACAGCTGACTCTCTGTTCT 1690	
<b>Mouse <i>Ppp1r12a</i></b>	1679 GAAGGAGAAAGACACTGCAG 1698		1865 ACTGAAGACTCTCTGTTCT 1846	

**Supplementary Figure 1. Lack of PPP1R12B antigen homology to PPP1R12A.** (a-b) Anti-C antibody's antigen peptide (corresponding to 71 amino acids of human PPP1R12B) (a) or Anti-N's antigen peptide (corresponding to 386 amino acids of human PPP1R12B) (b) has great identity (94%) to rat PPP1R12B (upper line) but low homolog to rat *Ppp1r12a* (35% identity in C-terminus; 59% identity in N-terminus) (bottle line). Numbers are corresponding amino acid positions in the proteins. (c) cDNA sequence alignments show the lack of primer sequence homology between *Ppp1r12b* and *Ppp1r12a*, for both rat (upper panel, 19-mer) and mouse (low panel, 20-mer). Shown are four *Ppp1r12b* sequences used by this study (also see Table 1): left for forward primer and right, reverse primer; numbers are corresponding base positions in the cDNA.

Males or genders combined

Females only



**Supplementary Figure 2. Rare *PPP1R12B* (bold at top) interactions with other genes in PD, for females only (right), based on the 46 gene-network (see Figure 6 and Supplementary Table 1). Black triangle, known risk for PD. Interaction with *LMX1A* reached absolute GW significance after Bonferroni correction, referring to the thermometer bar on the upper middle; scale bar, 100 kb.**

**Supplementary Table 1. 46 genes in the *PPP1R12B* network wheel.**

Gene name	System	order	from <sup>#</sup>	to <sup>#</sup>	Chr	Chr direction
<i>ADH1B</i>	Enzyme	1	100,200,153	100,292,187	4	minus strand
<i>COMT</i>	Enzyme	2	19,915,326	19,959,955	22	forward strand
<i>DBH</i>	Enzyme	3	136,482,068	136,528,721	9	forward strand
<i>DDC</i>	Enzyme	4	50,508,325	50,656,334	7	minus strand
<i>LRRK2</i>	Enzyme	5	40,500,195	40,799,277	12	forward strand
<i>NQO1</i>	Enzyme	6	69,700,201	69,798,954	16	minus strand
<i>TH</i>	Enzyme	7	2,171,601	2,213,694	11	minus strand
<i>DRD1</i>	Receptor	8	174,860,699	174,896,699	5	minus strand
<i>DRD2</i>	Receptor	9	113,249,725	113,399,491	11	minus strand
<i>DRD3</i>	Receptor	10	113,825,192	113,931,521	3	minus strand
<i>DRD4</i>	Receptor	11	619,671	641,191	11	forward strand
<i>DRD5</i>	Receptor	12	9,752,592	9,808,709	4	forward strand
<i>HGFAC</i>	Signaling	13	3,404,271	3,473,450	4	forward strand
<i>KLB</i>	Signaling	14	39,158,118	39,493,248	4	forward strand
<i>METAP1</i>	Signaling	15	99,883,133	99,999,848	4	forward strand
<i>PPP1R12B</i>	Signaling	16	202,293,916	202,585,582	1	forward strand
<i>PPP1R1B</i>	Signaling	17	37,700,199	37,832,386	17	forward strand
<i>RABGAP1L</i>	Signaling	18	174,002,465	174,997,750	1	forward strand
<i>ACTR1B</i>	Structure	19	98,242,427	98,318,644	2	minus strand
<i>CADM2</i>	Structure	20	84,007,790	86,992,225	3	forward strand
<i>JCAD</i>	Structure	21	30,273,174	30,396,395	10	minus strand
<i>AZ12</i>	TF	22	28,358,334	28,363,241	3	minus strand
<i>EIF3F</i>	TF	23	7,999,184	8,023,737	11	forward strand
<i>FAM213A</i>	TF	24	82,159,539	82,203,534	10	forward strand
<i>FOXA1</i>	TF	25	37,993,604	38,107,646	14	minus strand
<i>FOXA2</i>	TF	26	22,534,036	22,668,157	20	minus strand
<i>GMEB1</i>	TF	27	28,931,625	29,106,052	1	forward strand
<i>HEY1</i>	TF	28	80,660,497	80,683,321	8	minus strand
<i>HIVEP2</i>	TF	29	143,034,282	143,286,922	6	minus strand
<i>LMX1A</i>	TF	30	165,014,266	165,349,087	1	minus strand
<i>NFE2L1</i>	TF	31	46,120,325	46,147,807	17	forward strand
<i>NURR1</i>	TF	32	157,111,093	157,210,045	2	minus strand
<i>PITX3</i>	TF	33	103,837,118	104,098,949	10	minus strand
<i>PLAGL1</i>	TF	34	144,261,480	144,409,241	6	minus strand
<i>SRP54</i>	TF	35	35,434,291	35,501,800	14	forward strand
<i>SLC18A1</i>	Transporter	36	19,985,382	20,060,856	8	minus strand
<i>SLC18A2</i>	Transporter	37	118,981,071	119,091,767	10	forward strand
<i>SLC39A13</i>	Transporter	38	47,374,911	47,496,827	11	forward strand
<i>SLC6A1</i>	Transporter	39	11,004,257	11,107,643	3	forward strand
<i>SLC6A11</i>	Transporter	40	10,801,929	10,999,494	3	forward strand
<i>SLC6A2</i>	Transporter	41	55,670,106	55,765,906	16	forward strand
<i>SLC6A3</i>	Transporter	42	1,370,122	1,461,568	5	minus strand
<i>SLC6A4</i>	Transporter	43	28,515,188	28,574,177	17	minus strand
<i>GCKR</i>	Other	44	27,611,154	27,796,526	2	forward strand
<i>SERPINA1</i>	Other	45	94,770,681	94,889,702	14	minus strand
<i>SNCA</i>	Other	46	90,624,011	90,784,866	4	minus strand

<sup>#</sup> indicates the coordinates in chr, and define relative gene size in the wheel.

**Supplementary Table 2. Significant SNP-SNP interactions in SUDs.**

Males: 1-274; Females: 276-2119; see Table S1 for genes with Chr and BP information

No.	Chr1	SNP1	BP	Chr2	SNP2	BP2	P-value
1	1	rs35873832	202300127	3	rs188286851	86980758	4.74E-42
2	1	rs35873832	202300127	14	rs1956430	38088472	9.57E-32
3	1	rs17438379	202356935	14	rs1956430	38088472	2.02E-31
4	1	rs3767423	202417563	14	rs1956430	38088472	2.11E-31
5	1	rs17438212	202331510	14	rs1956430	38088472	2.66E-31
6	1	rs11583656	202370997	14	rs1956430	38088472	2.66E-31
7	1	rs4950779	202542202	3	rs34584686	85345197	3.17E-31
8	1	rs4950778	202431464	3	rs34584686	85345197	9.30E-31
9	1	rs12404552	202566780	6	rs597493	143060990	3.20E-28
10	1	rs4950778	202431464	6	rs6926546	144407790	5.53E-28
11	1	rs3767392	202547101	9	rs1611118	136504923	2.15E-27
12	1	rs4950779	202542202	6	rs6926546	144407790	2.29E-27
13	1	rs697459	202547922	2	rs6745653	98289997	3.24E-27
14	1	rs1046269	202559753	4	rs3775434	90702781	4.88E-27
15	1	rs17438212	202331510	3	rs188286851	86980758	5.74E-27
16	1	rs11583656	202370997	3	rs188286851	86980758	5.74E-27
17	1	rs697459	202547922	2	rs73959752	98242427	5.78E-27
18	1	rs697459	202547922	2	rs79616802	98277090	5.78E-27
19	1	rs697459	202547922	2	rs11886025	98279076	5.78E-27
20	1	rs697459	202547922	2	rs11886239	98279574	5.78E-27
21	1	rs697459	202547922	2	rs73959769	98288549	5.78E-27
22	1	rs17438379	202356935	3	rs188286851	86980758	6.21E-27
23	1	rs4950778	202431464	6	rs62427148	144400664	6.69E-27
24	1	rs697459	202547922	2	rs17022045	98261688	7.92E-27
25	1	rs12404552	202566780	3	rs11715683	85372128	1.21E-26
26	1	rs4950779	202542202	6	rs62427148	144400664	3.03E-26
27	1	rs1046269	202559753	4	rs3822089	90704011	3.23E-26
28	1	rs1046269	202559753	4	rs3822090	90704876	3.23E-26
29	1	rs4950778	202431464	6	rs55928616	144399821	4.02E-26
30	1	rs4950778	202431464	6	rs56282161	144398956	4.04E-26
31	1	rs4950778	202431464	6	rs62427144	144395736	4.61E-26
32	1	rs4950778	202431464	6	rs55847642	144392105	4.64E-26
33	1	rs1046269	202559753	4	rs6822088	90764310	5.73E-26
34	1	rs12033091	202563966	6	rs79924684	144315102	7.42E-26
35	1	rs12033827	202564040	6	rs79924684	144315102	7.42E-26
36	1	rs12033091	202563966	6	rs74748302	144315419	8.23E-26
37	1	rs12033827	202564040	6	rs74748302	144315419	8.23E-26
38	1	rs4950779	202542202	6	rs55928616	144399821	1.56E-25
39	1	rs4950779	202542202	6	rs56282161	144398956	1.56E-25
40	1	rs4950779	202542202	6	rs62427144	144395736	1.79E-25
41	1	rs4950779	202542202	6	rs55847642	144392105	1.80E-25
42	1	rs585658	202573179	11	rs4436578	113306765	2.17E-25
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44	1	rs4950778	202431464	6	rs113618940	144403097	3.51E-25
45	1	rs1046269	202559753	4	rs3775439	90709741	5.05E-25
46	1	rs1046269	202559753	4	rs6830166	90744993	1.15E-24
47	1	rs4950779	202542202	6	rs113618940	144403097	1.32E-24

48	1	rs35873832	202300127	16	rs1566652	55731575	2.18E-24
49	1	rs17490864	202302232	3	rs1375559	85559006	2.60E-24
50	1	rs3767392	202547101	9	rs1611119	136505127	3.71E-24
51	1	rs17490864	202302232	3	rs67174538	85532862	4.04E-24
52	1	rs17490864	202302232	3	rs7626594	85533571	4.04E-24
53	1	rs17490864	202302232	3	rs67874563	85538693	4.04E-24
54	1	rs697459	202547922	2	rs11904110	98261802	4.60E-24
55	1	rs3767392	202547101	9	rs3739885	136509696	4.66E-24
56	1	rs3767392	202547101	9	rs3739886	136509679	4.70E-24
57	1	rs17490864	202302232	3	rs62252504	85581770	5.26E-24
58	1	rs17490864	202302232	3	rs62250717	85521990	5.33E-24
59	1	rs10800842	202570776	3	rs11715683	85372128	5.60E-24
60	1	rs17490864	202302232	3	rs9713905	85586748	6.66E-24
61	1	rs17490864	202302232	3	rs960986	85519305	6.72E-24
62	1	rs3767409	202479192	4	rs10018362	90703753	7.39E-24
63	1	rs17490864	202302232	3	rs66963835	85567382	7.98E-24
64	1	rs17490864	202302232	3	rs62250759	85569026	7.98E-24
65	1	rs17490864	202302232	3	rs2167048	85570393	7.98E-24
66	1	rs17490864	202302232	3	rs7624108	85527273	8.65E-24
67	1	rs3767409	202479192	4	rs10014396	90712629	8.90E-24
68	1	rs35873832	202300127	3	rs4435654	85682637	9.05E-24
69	1	rs17490864	202302232	3	rs68102233	85558538	9.76E-24
70	1	rs17490864	202302232	3	rs7637879	85533359	9.95E-24
71	1	rs17490864	202302232	3	rs17022915	85577613	1.05E-23
72	1	rs12404552	202566780	6	rs197492	143061160	1.28E-23
73	1	rs4950778	202431464	6	rs112340804	144403167	1.35E-23
74	1	rs17490864	202302232	3	rs62253963	85593642	1.37E-23
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76	1	rs17490864	202302232	3	rs62250755	85563061	1.53E-23
77	1	rs17490864	202302232	3	rs72615725	85599378	1.54E-23
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79	1	rs4950778	202431464	6	rs59906266	144405462	1.55E-23
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88	1	rs17490864	202302232	3	rs1375567	85636711	2.24E-23
89	1	rs17490864	202302232	3	rs62250504	85634758	2.41E-23
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91	1	rs3767423	202417563	4	rs11944331	90690329	2.76E-23
92	1	rs12033091	202563966	6	rs3819812	144280799	3.38E-23
93	1	rs12033091	202563966	6	rs2328536	144281394	3.38E-23
94	1	rs12033827	202564040	6	rs3819812	144280799	3.38E-23
95	1	rs12033827	202564040	6	rs2328536	144281394	3.38E-23
96	1	rs17490864	202302232	3	rs62250724	85545232	3.39E-23
97	1	rs17490864	202302232	3	rs12636904	85546130	3.39E-23
98	1	rs17490864	202302232	3	rs17023016	85614074	3.39E-23
99	1	rs17490864	202302232	3	rs10511082	85615903	3.39E-23

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101	1	rs17490864	202302232	3	rs12632140	85546745	3.72E-23
102	1	rs3767423	202417563	4	rs6818319	90642868	3.74E-23
103	1	rs17490864	202302232	3	rs73137895	85622703	3.89E-23
104	1	rs4950779	202542202	6	rs112340804	144403167	4.43E-23
105	1	rs12033091	202563966	6	rs58195565	144280430	4.49E-23
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107	1	rs4950779	202542202	6	rs59906266	144405462	4.65E-23
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109	1	rs3767423	202417563	4	rs3857061	90686742	4.70E-23
110	1	rs17490864	202302232	3	rs12632674	85625019	5.11E-23
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113	1	rs4950779	202542202	22	rs1109436	19953882	5.48E-23
114	1	rs12033091	202563966	6	rs9321952	144279640	5.63E-23
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116	1	rs2174696	165283470	1	rs10800842	202570776	5.65E-23
117	1	rs12404552	202566780	3	rs9831374	85370873	5.95E-23
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120	1	rs12404552	202566780	3	rs11719276	85371838	8.19E-23
121	1	rs3767423	202417563	4	rs7661330	90663670	9.03E-23
122	1	rs3767423	202417563	4	rs3822086	90664794	9.03E-23
123	1	rs3767423	202417563	4	rs4088093	90671287	9.03E-23
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125	1	rs3767423	202417563	4	rs3857059	90675238	9.03E-23
126	1	rs12033091	202563966	6	rs2268447	144278095	9.18E-23
127	1	rs12033827	202564040	6	rs2268447	144278095	9.18E-23
128	1	rs3767423	202417563	4	rs7681815	90638614	9.97E-23
129	1	rs3767423	202417563	4	rs10516844	90639847	9.97E-23
130	1	rs3767423	202417563	4	rs61032876	90641403	9.97E-23
131	1	rs3767423	202417563	4	rs7655792	90642025	9.97E-23
132	1	rs3767423	202417563	4	rs10003708	90643051	9.97E-23
133	1	rs3767423	202417563	4	rs11945223	90643325	9.97E-23
134	1	rs3767423	202417563	4	rs3857051	90643697	9.97E-23
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136	1	rs3767423	202417563	4	rs7436973	90643921	9.97E-23
137	1	rs3767423	202417563	4	rs17016071	90644281	9.97E-23
138	1	rs3767423	202417563	4	rs8180209	90644454	9.97E-23
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140	1	rs3767423	202417563	4	rs7675290	90645003	9.97E-23
141	1	rs3767423	202417563	4	rs1045722	90645671	9.97E-23
142	1	rs3767423	202417563	4	rs3857053	90645674	9.97E-23
143	1	rs3767423	202417563	4	rs10033209	90653704	9.97E-23
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145	1	rs4950779	202542202	9	rs2283124	136515330	1.04E-22
146	1	rs3767423	202417563	4	rs3775423	90657491	1.07E-22
147	1	rs17490864	202302232	3	rs17022974	85597454	1.12E-22
148	1	rs17438379	202356935	3	rs4435654	85682637	1.60E-22
149	1	rs697459	202547922	4	rs11734036	90624787	1.62E-22
150	1	rs12404552	202566780	3	rs13078384	85264266	1.66E-22
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155	1	rs17438212	202331510	3	rs4435654	85682637	2.46E-22
156	1	rs4950778	202431464	6	rs62427139	144390067	2.58E-22
157	1	rs12404552	202566780	3	rs13062591	85315738	4.06E-22
158	1	rs12404552	202566780	3	rs13087094	85353328	4.96E-22
159	1	rs4950778	202431464	22	rs1109436	19953882	5.70E-22
160	1	rs17438379	202356935	3	rs10511074	85653433	6.54E-22
161	1	rs4950778	202431464	9	rs2283124	136515330	6.64E-22
162	1	rs4950779	202542202	6	rs62427139	144390067	8.19E-22
163	1	rs17438212	202331510	3	rs10511074	85653433	1.02E-21
164	1	rs11583656	202370997	3	rs10511074	85653433	1.02E-21
165	1	rs12033091	202563966	6	rs198681	143197975	3.13E-21
166	1	rs2741853	202405671	5	rs2963260	1377021	3.97E-21
167	1	rs2741853	202405671	5	rs2937630	1376326	4.81E-21
168	1	rs697456	202514092	5	rs2963260	1377021	5.47E-21
169	1	rs705750	202531646	5	rs2963260	1377021	5.47E-21
170	1	rs147044345	174961477	1	rs17438212	202331510	5.89E-21
171	1	rs147044345	174961477	1	rs11583656	202370997	5.89E-21
172	1	rs147044345	174961477	1	rs35873832	202300127	6.38E-21
173	1	rs17438212	202331510	4	rs11944331	90690329	6.65E-21
174	1	rs11583656	202370997	4	rs11944331	90690329	6.65E-21
175	1	rs17438212	202331510	4	rs6826785	90682474	1.06E-20
176	1	rs17438212	202331510	4	rs3857061	90686742	1.06E-20
177	1	rs11583656	202370997	4	rs6826785	90682474	1.06E-20
178	1	rs11583656	202370997	4	rs3857061	90686742	1.06E-20
179	1	rs147044345	174961477	1	rs17438379	202356935	1.20E-20
180	1	rs1046269	202559753	6	rs12201410	143213127	1.36E-20
181	1	rs17438212	202331510	4	rs7681312	90638527	1.69E-20
182	1	rs11583656	202370997	4	rs7681312	90638527	1.69E-20
183	1	rs6427950	202472066	5	rs2292023	1461389	1.76E-20
184	1	rs17438212	202331510	4	rs7661330	90663670	1.94E-20
185	1	rs17438212	202331510	4	rs3822086	90664794	1.94E-20
186	1	rs17438212	202331510	4	rs4088093	90671287	1.94E-20
187	1	rs17438212	202331510	4	rs3756054	90674451	1.94E-20
188	1	rs17438212	202331510	4	rs3857059	90675238	1.94E-20
189	1	rs11583656	202370997	4	rs7661330	90663670	1.94E-20
190	1	rs11583656	202370997	4	rs3822086	90664794	1.94E-20
191	1	rs11583656	202370997	4	rs4088093	90671287	1.94E-20
192	1	rs11583656	202370997	4	rs3756054	90674451	1.94E-20
193	1	rs11583656	202370997	4	rs3857059	90675238	1.94E-20
194	1	rs35873832	202300127	16	rs5568	55730124	2.09E-20
195	1	rs17438212	202331510	4	rs7681815	90638614	2.11E-20
196	1	rs17438212	202331510	4	rs10516844	90639847	2.11E-20
197	1	rs17438212	202331510	4	rs61032876	90641403	2.11E-20
198	1	rs17438212	202331510	4	rs7655792	90642025	2.11E-20
199	1	rs17438212	202331510	4	rs10003708	90643051	2.11E-20
200	1	rs17438212	202331510	4	rs11945223	90643325	2.11E-20
201	1	rs17438212	202331510	4	rs3857051	90643697	2.11E-20
202	1	rs17438212	202331510	4	rs3857052	90643857	2.11E-20
203	1	rs17438212	202331510	4	rs7436973	90643921	2.11E-20



204	1	rs17438212	202331510	4	rs17016071	90644281	2.11E-20
205	1	rs17438212	202331510	4	rs8180209	90644454	2.11E-20
206	1	rs17438212	202331510	4	rs8180214	90644508	2.11E-20
207	1	rs17438212	202331510	4	rs7675290	90645003	2.11E-20
208	1	rs17438212	202331510	4	rs1045722	90645671	2.11E-20
209	1	rs17438212	202331510	4	rs3857053	90645674	2.11E-20
210	1	rs17438212	202331510	4	rs10033209	90653704	2.11E-20
211	1	rs17438212	202331510	4	rs3775422	90654664	2.11E-20
212	1	rs11583656	202370997	4	rs7681815	90638614	2.11E-20
213	1	rs11583656	202370997	4	rs10516844	90639847	2.11E-20
214	1	rs11583656	202370997	4	rs61032876	90641403	2.11E-20
215	1	rs11583656	202370997	4	rs7655792	90642025	2.11E-20
216	1	rs11583656	202370997	4	rs10003708	90643051	2.11E-20
217	1	rs11583656	202370997	4	rs11945223	90643325	2.11E-20
218	1	rs11583656	202370997	4	rs3857051	90643697	2.11E-20
219	1	rs11583656	202370997	4	rs3857052	90643857	2.11E-20
220	1	rs11583656	202370997	4	rs7436973	90643921	2.11E-20
221	1	rs11583656	202370997	4	rs17016071	90644281	2.11E-20
222	1	rs11583656	202370997	4	rs8180209	90644454	2.11E-20
223	1	rs11583656	202370997	4	rs8180214	90644508	2.11E-20
224	1	rs11583656	202370997	4	rs7675290	90645003	2.11E-20
225	1	rs11583656	202370997	4	rs1045722	90645671	2.11E-20
226	1	rs11583656	202370997	4	rs3857053	90645674	2.11E-20
227	1	rs11583656	202370997	4	rs10033209	90653704	2.11E-20
228	1	rs11583656	202370997	4	rs3775422	90654664	2.11E-20
229	1	rs930734	202318316	5	rs2292023	1461389	2.32E-20
230	1	rs10920392	202321123	5	rs2292023	1461389	2.32E-20
231	1	rs6658708	202322113	5	rs2292023	1461389	2.32E-20
232	1	rs2361453	202336314	5	rs2292023	1461389	2.32E-20
233	1	rs17438212	202331510	4	rs3775423	90657491	2.37E-20
234	1	rs11583656	202370997	4	rs3775423	90657491	2.37E-20
235	1	rs697456	202514092	5	rs2963259	1377172	2.54E-20
236	1	rs705750	202531646	5	rs2963259	1377172	2.54E-20
237	1	rs12033091	202563966	6	rs198654	143170004	2.83E-20
238	1	rs12033091	202563966	6	rs185588	143173998	2.83E-20
239	1	rs697456	202514092	5	rs2927670	1377075	2.87E-20
240	1	rs705750	202531646	5	rs2927670	1377075	2.87E-20
241	1	rs697456	202514092	5	rs2937630	1376326	3.24E-20
242	1	rs705750	202531646	5	rs2937630	1376326	3.24E-20
243	1	rs17438379	202356935	4	rs11944331	90690329	3.73E-20
244	1	rs17438212	202331510	4	rs11931074	90639515	3.82E-20
245	1	rs11583656	202370997	4	rs11931074	90639515	3.82E-20
246	1	rs17438379	202356935	4	rs6826785	90682474	5.89E-20
247	1	rs17438379	202356935	4	rs3857061	90686742	5.89E-20
248	1	rs3767392	202547101	5	rs265978	174863905	2.10E-19
249	1	rs10465591	202308344	5	rs2292023	1461389	7.19E-19
250	1	rs3767409	202479192	4	rs6830166	90744993	7.21E-18
251	1	rs17438212	202331510	16	rs1566652	55731575	8.22E-18
252	1	rs11583656	202370997	16	rs1566652	55731575	8.22E-18
253	1	rs17438379	202356935	16	rs1566652	55731575	6.04E-17
254	1	rs3767409	202479192	4	rs3775439	90709741	6.77E-17
255	1	rs4950778	202431464	9	rs61149283	136519258	6.91E-17

256	1	rs3767409	202479192	4	rs6822088	90764310	9.10E-17
257	1	rs2741849	202373394	9	rs6271	136522274	1.41E-16
258	1	rs3767392	202547101	5	rs835616	174863690	1.80E-16
259	1	rs697459	202547922	2	rs113537081	98302136	1.89E-16
260	1	rs697459	202547922	2	rs6543021	98318644	1.89E-16
261	1	rs3767409	202479192	4	rs3822089	90704011	2.52E-16
262	1	rs3767409	202479192	4	rs3822090	90704876	2.52E-16
263	1	rs4950779	202542202	9	rs61149283	136519258	7.86E-16
264	1	rs4950778	202431464	9	rs59164034	136519639	8.44E-16
265	1	rs1046269	202559753	6	rs9496470	143184472	1.64E-15
266	1	rs697459	202547922	10	rs2803804	119091401	2.14E-15
267	1	rs35873832	202300127	16	rs47958	55726462	2.96E-15
268	1	rs12404552	202566780	6	rs9399469	144318529	3.15E-15
269	1	rs3767392	202547101	9	rs1611126	136509448	3.22E-15
270	1	rs1046269	202559753	6	rs13211716	143203528	3.88E-15
271	1	rs4950779	202542202	9	rs59164034	136519639	7.17E-15
272	1	rs1046269	202559753	6	rs9496471	143184677	1.22E-14
273	1	rs12033091	202563966	6	rs9399469	144318529	2.83E-14
274	1	rs12033827	202564040	6	rs9399469	144318529	2.83E-14

**Females**

276	1	rs75461537	174869593	1	rs17492329	202461103	5.794E-41
277	1	rs77551912	174873951	1	rs17492329	202461103	1.282E-40
278	1	rs6700434	174868328	1	rs17492329	202461103	3.513E-40
279	1	rs76881580	174855306	1	rs17492329	202461103	6.279E-40
280	1	rs3753562	174923567	1	rs17492329	202461103	2.682E-39
281	1	rs76828045	174847442	1	rs17492329	202461103	4.196E-39
282	1	rs147728966	174848270	1	rs17492329	202461103	4.196E-39
283	1	rs80134637	174749551	1	rs17492329	202461103	1.308E-38
284	1	rs59436654	174746513	1	rs17492329	202461103	1.741E-38
285	1	rs58762254	174780210	1	rs17492329	202461103	2.547E-38
286	1	rs61028529	174787899	1	rs17492329	202461103	2.547E-38
287	1	rs79203634	174793526	1	rs17492329	202461103	2.547E-38
288	1	rs74524401	174795281	1	rs17492329	202461103	2.547E-38
289	1	rs57053120	174830490	1	rs17492329	202461103	2.552E-38
290	1	rs77528209	174881910	1	rs17492329	202461103	2.672E-38
291	1	rs74649124	174760589	1	rs17492329	202461103	3.422E-38
292	1	rs79258314	174760696	1	rs17492329	202461103	3.422E-38
293	1	rs76616345	174766778	1	rs17492329	202461103	1.673E-37
294	1	rs41498747	174914122	1	rs17492329	202461103	1.494E-36
295	1	rs80324733	174776328	1	rs17492329	202461103	2.949E-36
296	1	rs4565668	174915927	1	rs17492329	202461103	4.123E-36
297	1	rs12137988	202317696	3	rs111466137	113841877	9.946E-31
298	1	rs141729655	174432399	1	rs2292489	202536848	5.854E-30
299	1	rs79077452	174435344	1	rs2292489	202536848	5.854E-30
300	1	rs141729655	174432399	1	rs930734	202318316	9.729E-30
301	1	rs79077452	174435344	1	rs930734	202318316	9.729E-30
302	1	rs141729655	174432399	1	rs2361453	202336314	1.084E-29
303	1	rs79077452	174435344	1	rs2361453	202336314	1.084E-29
304	1	rs141729655	174432399	1	rs6427950	202472066	1.173E-29
305	1	rs141729655	174432399	1	rs3753908	202511295	1.173E-29
306	1	rs141729655	174432399	1	rs2249811	202531741	1.173E-29
307	1	rs141729655	174432399	1	rs925532	202533880	1.173E-29

308	1	rs141729655	174432399	1	rs925533	202534108	1.173E-29
309	1	rs141729655	174432399	1	rs3767397	202534389	1.173E-29
310	1	rs141729655	174432399	1	rs3767395	202536140	1.173E-29
311	1	rs79077452	174435344	1	rs6427950	202472066	1.173E-29
312	1	rs79077452	174435344	1	rs3753908	202511295	1.173E-29
313	1	rs79077452	174435344	1	rs2249811	202531741	1.173E-29
314	1	rs79077452	174435344	1	rs925532	202533880	1.173E-29
315	1	rs79077452	174435344	1	rs925533	202534108	1.173E-29
316	1	rs79077452	174435344	1	rs3767397	202534389	1.173E-29
317	1	rs79077452	174435344	1	rs3767395	202536140	1.173E-29
318	1	rs10489261	174440683	1	rs2292489	202536848	1.403E-29
319	1	rs141729655	174432399	1	rs1890875	202531366	1.459E-29
320	1	rs79077452	174435344	1	rs1890875	202531366	1.459E-29
321	1	rs141729655	174432399	1	rs10800836	202410429	1.533E-29
322	1	rs141729655	174432399	1	rs3767425	202413840	1.533E-29
323	1	rs141729655	174432399	1	rs3767421	202432160	1.533E-29
324	1	rs79077452	174435344	1	rs10800836	202410429	1.533E-29
325	1	rs79077452	174435344	1	rs3767425	202413840	1.533E-29
326	1	rs79077452	174435344	1	rs3767421	202432160	1.533E-29
327	1	rs141729655	174432399	1	rs10920392	202321123	1.65E-29
328	1	rs141729655	174432399	1	rs6658708	202322113	1.65E-29
329	1	rs79077452	174435344	1	rs10920392	202321123	1.65E-29
330	1	rs79077452	174435344	1	rs6658708	202322113	1.65E-29
331	1	rs141729655	174432399	1	rs10159280	202394287	2.051E-29
332	1	rs79077452	174435344	1	rs10159280	202394287	2.051E-29
333	1	rs10489261	174440683	1	rs930734	202318316	2.326E-29
334	1	rs10489261	174440683	1	rs2361453	202336314	2.586E-29
335	1	rs58762254	174780210	1	rs2292489	202536848	2.656E-29
336	1	rs61028529	174787899	1	rs2292489	202536848	2.656E-29
337	1	rs79203634	174793526	1	rs2292489	202536848	2.656E-29
338	1	rs74524401	174795281	1	rs2292489	202536848	2.656E-29
339	1	rs10489261	174440683	1	rs6427950	202472066	2.8E-29
340	1	rs10489261	174440683	1	rs3753908	202511295	2.8E-29
341	1	rs10489261	174440683	1	rs2249811	202531741	2.8E-29
342	1	rs10489261	174440683	1	rs925532	202533880	2.8E-29
343	1	rs10489261	174440683	1	rs925533	202534108	2.8E-29
344	1	rs10489261	174440683	1	rs3767397	202534389	2.8E-29
345	1	rs10489261	174440683	1	rs3767395	202536140	2.8E-29
346	1	rs59436654	174746513	1	rs2292489	202536848	3.14E-29
347	1	rs80134637	174749551	1	rs2292489	202536848	3.302E-29
348	1	rs10489261	174440683	1	rs1890875	202531366	3.481E-29
349	1	rs10489261	174440683	1	rs10800836	202410429	3.657E-29
350	1	rs10489261	174440683	1	rs3767425	202413840	3.657E-29
351	1	rs10489261	174440683	1	rs3767421	202432160	3.657E-29
352	1	rs10489261	174440683	1	rs10920392	202321123	3.929E-29
353	1	rs10489261	174440683	1	rs6658708	202322113	3.929E-29
354	1	rs57053120	174830490	1	rs2292489	202536848	3.954E-29
355	1	rs58762254	174780210	1	rs930734	202318316	4.208E-29
356	1	rs61028529	174787899	1	rs930734	202318316	4.208E-29
357	1	rs79203634	174793526	1	rs930734	202318316	4.208E-29
358	1	rs74524401	174795281	1	rs930734	202318316	4.208E-29
359	1	rs58762254	174780210	1	rs2361453	202336314	4.654E-29

360	1	rs61028529	174787899	1	rs2361453	202336314	4.654E-29
361	1	rs79203634	174793526	1	rs2361453	202336314	4.654E-29
362	1	rs74524401	174795281	1	rs2361453	202336314	4.654E-29
363	1	rs10489261	174440683	1	rs10159280	202394287	4.879E-29
364	1	rs59436654	174746513	1	rs930734	202318316	4.994E-29
365	1	rs58762254	174780210	1	rs6427950	202472066	5.052E-29
366	1	rs58762254	174780210	1	rs3753908	202511295	5.052E-29
367	1	rs58762254	174780210	1	rs2249811	202531741	5.052E-29
368	1	rs58762254	174780210	1	rs925532	202533880	5.052E-29
369	1	rs58762254	174780210	1	rs925533	202534108	5.052E-29
370	1	rs58762254	174780210	1	rs3767397	202534389	5.052E-29
371	1	rs58762254	174780210	1	rs3767395	202536140	5.052E-29
372	1	rs61028529	174787899	1	rs6427950	202472066	5.052E-29
373	1	rs61028529	174787899	1	rs3753908	202511295	5.052E-29
374	1	rs61028529	174787899	1	rs2249811	202531741	5.052E-29
375	1	rs61028529	174787899	1	rs925532	202533880	5.052E-29
376	1	rs61028529	174787899	1	rs925533	202534108	5.052E-29
377	1	rs61028529	174787899	1	rs3767397	202534389	5.052E-29
378	1	rs61028529	174787899	1	rs3767395	202536140	5.052E-29
379	1	rs79203634	174793526	1	rs6427950	202472066	5.052E-29
380	1	rs79203634	174793526	1	rs3753908	202511295	5.052E-29
381	1	rs79203634	174793526	1	rs2249811	202531741	5.052E-29
382	1	rs79203634	174793526	1	rs925532	202533880	5.052E-29
383	1	rs79203634	174793526	1	rs925533	202534108	5.052E-29
384	1	rs79203634	174793526	1	rs3767397	202534389	5.052E-29
385	1	rs79203634	174793526	1	rs3767395	202536140	5.052E-29
386	1	rs74524401	174795281	1	rs6427950	202472066	5.052E-29
387	1	rs74524401	174795281	1	rs3753908	202511295	5.052E-29
388	1	rs74524401	174795281	1	rs2249811	202531741	5.052E-29
389	1	rs74524401	174795281	1	rs925532	202533880	5.052E-29
390	1	rs74524401	174795281	1	rs925533	202534108	5.052E-29
391	1	rs74524401	174795281	1	rs3767397	202534389	5.052E-29
392	1	rs74524401	174795281	1	rs3767395	202536140	5.052E-29
393	1	rs80134637	174749551	1	rs930734	202318316	5.239E-29
394	1	rs141729655	174432399	1	rs10465591	202308344	5.274E-29
395	1	rs79077452	174435344	1	rs10465591	202308344	5.274E-29
396	1	rs59436654	174746513	1	rs2361453	202336314	5.504E-29
397	1	rs80134637	174749551	1	rs2361453	202336314	5.786E-29
398	1	rs74649124	174760589	1	rs2292489	202536848	5.887E-29
399	1	rs79258314	174760696	1	rs2292489	202536848	5.887E-29
400	1	rs59436654	174746513	1	rs6427950	202472066	5.975E-29
401	1	rs59436654	174746513	1	rs3753908	202511295	5.975E-29
402	1	rs59436654	174746513	1	rs2249811	202531741	5.975E-29
403	1	rs59436654	174746513	1	rs925532	202533880	5.975E-29
404	1	rs59436654	174746513	1	rs925533	202534108	5.975E-29
405	1	rs59436654	174746513	1	rs3767397	202534389	5.975E-29
406	1	rs59436654	174746513	1	rs3767395	202536140	5.975E-29
407	1	rs58762254	174780210	1	rs1890875	202531366	6.179E-29
408	1	rs61028529	174787899	1	rs1890875	202531366	6.179E-29
409	1	rs79203634	174793526	1	rs1890875	202531366	6.179E-29
410	1	rs74524401	174795281	1	rs1890875	202531366	6.179E-29
411	1	rs57053120	174830490	1	rs930734	202318316	6.253E-29

412	1	rs80134637	174749551	1	rs6427950	202472066	6.277E-29
413	1	rs80134637	174749551	1	rs3753908	202511295	6.277E-29
414	1	rs80134637	174749551	1	rs2249811	202531741	6.277E-29
415	1	rs80134637	174749551	1	rs925532	202533880	6.277E-29
416	1	rs80134637	174749551	1	rs925533	202534108	6.277E-29
417	1	rs80134637	174749551	1	rs3767397	202534389	6.277E-29
418	1	rs80134637	174749551	1	rs3767395	202536140	6.277E-29
419	1	rs58762254	174780210	1	rs10800836	202410429	6.458E-29
420	1	rs58762254	174780210	1	rs3767425	202413840	6.458E-29
421	1	rs58762254	174780210	1	rs3767421	202432160	6.458E-29
422	1	rs61028529	174787899	1	rs10800836	202410429	6.458E-29
423	1	rs61028529	174787899	1	rs3767425	202413840	6.458E-29
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425	1	rs79203634	174793526	1	rs10800836	202410429	6.458E-29
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427	1	rs79203634	174793526	1	rs3767421	202432160	6.458E-29
428	1	rs74524401	174795281	1	rs10800836	202410429	6.458E-29
429	1	rs74524401	174795281	1	rs3767425	202413840	6.458E-29
430	1	rs74524401	174795281	1	rs3767421	202432160	6.458E-29
431	1	rs58762254	174780210	1	rs10920392	202321123	6.879E-29
432	1	rs58762254	174780210	1	rs6658708	202322113	6.879E-29
433	1	rs61028529	174787899	1	rs10920392	202321123	6.879E-29
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437	1	rs74524401	174795281	1	rs10920392	202321123	6.879E-29
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439	1	rs57053120	174830490	1	rs2361453	202336314	6.904E-29
440	1	rs6692753	174737457	1	rs2292489	202536848	7.275E-29
441	1	rs59436654	174746513	1	rs1890875	202531366	7.308E-29
442	1	rs1040010	202560412	5	rs265973	174860699	7.485E-29
443	1	rs57053120	174830490	1	rs6427950	202472066	7.506E-29
444	1	rs57053120	174830490	1	rs3753908	202511295	7.506E-29
445	1	rs57053120	174830490	1	rs2249811	202531741	7.506E-29
446	1	rs57053120	174830490	1	rs925532	202533880	7.506E-29
447	1	rs57053120	174830490	1	rs925533	202534108	7.506E-29
448	1	rs57053120	174830490	1	rs3767397	202534389	7.506E-29
449	1	rs57053120	174830490	1	rs3767395	202536140	7.506E-29
450	1	rs59436654	174746513	1	rs10800836	202410429	7.639E-29
451	1	rs59436654	174746513	1	rs3767425	202413840	7.639E-29
452	1	rs59436654	174746513	1	rs3767421	202432160	7.64E-29
453	1	rs80134637	174749551	1	rs1890875	202531366	7.677E-29
454	1	rs80134637	174749551	1	rs10800836	202410429	8.025E-29
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456	1	rs80134637	174749551	1	rs3767421	202432160	8.026E-29
457	1	rs59436654	174746513	1	rs10920392	202321123	8.134E-29
458	1	rs59436654	174746513	1	rs6658708	202322113	8.134E-29
459	1	rs58762254	174780210	1	rs10159280	202394287	8.406E-29
460	1	rs61028529	174787899	1	rs10159280	202394287	8.406E-29
461	1	rs79203634	174793526	1	rs10159280	202394287	8.406E-29
462	1	rs74524401	174795281	1	rs10159280	202394287	8.406E-29
463	1	rs80134637	174749551	1	rs10920392	202321123	8.547E-29

464	1	rs80134637	174749551	1	rs6658708	202322113	8.547E-29
465	1	rs57053120	174830490	1	rs1890875	202531366	9.183E-29
466	1	rs74649124	174760589	1	rs930734	202318316	9.286E-29
467	1	rs79258314	174760696	1	rs930734	202318316	9.286E-29
468	1	rs57053120	174830490	1	rs10800836	202410429	9.583E-29
469	1	rs57053120	174830490	1	rs3767425	202413840	9.583E-29
470	1	rs57053120	174830490	1	rs3767421	202432160	9.583E-29
471	1	rs59436654	174746513	1	rs10159280	202394287	9.942E-29
472	1	rs57053120	174830490	1	rs10920392	202321123	1.02E-28
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474	1	rs74649124	174760589	1	rs2361453	202336314	1.026E-28
475	1	rs79258314	174760696	1	rs2361453	202336314	1.026E-28
476	1	rs80134637	174749551	1	rs10159280	202394287	1.045E-28
477	1	rs74649124	174760589	1	rs6427950	202472066	1.12E-28
478	1	rs74649124	174760589	1	rs3753908	202511295	1.12E-28
479	1	rs74649124	174760589	1	rs2249811	202531741	1.12E-28
480	1	rs74649124	174760589	1	rs925532	202533880	1.12E-28
481	1	rs74649124	174760589	1	rs925533	202534108	1.12E-28
482	1	rs74649124	174760589	1	rs3767397	202534389	1.12E-28
483	1	rs74649124	174760589	1	rs3767395	202536140	1.12E-28
484	1	rs79258314	174760696	1	rs6427950	202472066	1.12E-28
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486	1	rs79258314	174760696	1	rs2249811	202531741	1.12E-28
487	1	rs79258314	174760696	1	rs925532	202533880	1.12E-28
488	1	rs79258314	174760696	1	rs925533	202534108	1.12E-28
489	1	rs79258314	174760696	1	rs3767397	202534389	1.12E-28
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491	1	rs6692753	174737457	1	rs930734	202318316	1.187E-28
492	1	rs57053120	174830490	1	rs10159280	202394287	1.247E-28
493	1	rs10489261	174440683	1	rs10465591	202308344	1.249E-28
494	1	rs76828045	174847442	1	rs2292489	202536848	1.261E-28
495	1	rs147728966	174848270	1	rs2292489	202536848	1.261E-28
496	1	rs6692753	174737457	1	rs2361453	202336314	1.317E-28
497	1	rs74649124	174760589	1	rs1890875	202531366	1.368E-28
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499	1	rs74649124	174760589	1	rs10800836	202410429	1.429E-28
500	1	rs74649124	174760589	1	rs3767425	202413840	1.429E-28
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507	1	rs6692753	174737457	1	rs2249811	202531741	1.436E-28
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509	1	rs6692753	174737457	1	rs925533	202534108	1.436E-28
510	1	rs6692753	174737457	1	rs3767397	202534389	1.436E-28
511	1	rs6692753	174737457	1	rs3767395	202536140	1.436E-28
512	1	rs4950858	202552100	5	rs265973	174860699	1.456E-28
513	1	rs74649124	174760589	1	rs10920392	202321123	1.516E-28
514	1	rs74649124	174760589	1	rs6658708	202322113	1.516E-28
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516	1	rs79258314	174760696	1	rs6658708	202322113	1.516E-28
517	1	rs747640	202551071	4	rs6853599	3445610	1.575E-28
518	1	rs6692753	174737457	1	rs1890875	202531366	1.774E-28
519	1	rs74649124	174760589	1	rs10159280	202394287	1.85E-28
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523	1	rs6692753	174737457	1	rs3767421	202432160	1.861E-28
524	1	rs76828045	174847442	1	rs930734	202318316	1.981E-28
525	1	rs147728966	174848270	1	rs930734	202318316	1.981E-28
526	1	rs6692753	174737457	1	rs10920392	202321123	1.987E-28
527	1	rs6692753	174737457	1	rs6658708	202322113	1.987E-28
528	1	rs58762254	174780210	1	rs10465591	202308344	2.012E-28
529	1	rs61028529	174787899	1	rs10465591	202308344	2.012E-28
530	1	rs79203634	174793526	1	rs10465591	202308344	2.012E-28
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532	1	rs76828045	174847442	1	rs2361453	202336314	2.192E-28
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535	1	rs76828045	174847442	1	rs3753908	202511295	2.38E-28
536	1	rs76828045	174847442	1	rs2249811	202531741	2.38E-28
537	1	rs76828045	174847442	1	rs925532	202533880	2.38E-28
538	1	rs76828045	174847442	1	rs925533	202534108	2.38E-28
539	1	rs76828045	174847442	1	rs3767397	202534389	2.38E-28
540	1	rs76828045	174847442	1	rs3767395	202536140	2.38E-28
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543	1	rs147728966	174848270	1	rs2249811	202531741	2.38E-28
544	1	rs147728966	174848270	1	rs925532	202533880	2.38E-28
545	1	rs147728966	174848270	1	rs925533	202534108	2.38E-28
546	1	rs147728966	174848270	1	rs3767397	202534389	2.38E-28
547	1	rs147728966	174848270	1	rs3767395	202536140	2.38E-28
548	1	rs59436654	174746513	1	rs10465591	202308344	2.381E-28
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550	1	rs80134637	174749551	1	rs10465591	202308344	2.499E-28
551	1	rs60885521	174591547	1	rs2292489	202536848	2.652E-28
552	1	rs76828045	174847442	1	rs1890875	202531366	2.907E-28
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555	1	rs76828045	174847442	1	rs10800836	202410429	3.034E-28
556	1	rs76828045	174847442	1	rs3767425	202413840	3.034E-28
557	1	rs76828045	174847442	1	rs3767421	202432160	3.034E-28
558	1	rs147728966	174848270	1	rs10800836	202410429	3.034E-28
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563	1	rs147728966	174848270	1	rs10920392	202321123	3.233E-28
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573	1	rs60885521	174591547	1	rs2249811	202531741	5.169E-28
574	1	rs60885521	174591547	1	rs925532	202533880	5.169E-28
575	1	rs60885521	174591547	1	rs925533	202534108	5.169E-28
576	1	rs60885521	174591547	1	rs3767397	202534389	5.169E-28
577	1	rs60885521	174591547	1	rs3767395	202536140	5.169E-28
578	1	rs60723087	174655617	1	rs2292489	202536848	5.267E-28
579	1	rs75062924	174664341	1	rs2292489	202536848	5.267E-28
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581	1	rs74225917	174686241	1	rs2292489	202536848	5.267E-28
582	1	rs59354288	174687003	1	rs2292489	202536848	5.267E-28
583	1	rs60665754	174687287	1	rs2292489	202536848	5.267E-28
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585	1	rs74365829	174690558	1	rs2292489	202536848	5.267E-28
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589	1	rs77727672	174718575	1	rs2292489	202536848	6.223E-28
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591	1	rs61329817	174724485	1	rs2292489	202536848	6.223E-28
592	1	rs60885521	174591547	1	rs1890875	202531366	6.375E-28
593	1	rs60885521	174591547	1	rs10800836	202410429	6.684E-28
594	1	rs60885521	174591547	1	rs3767425	202413840	6.684E-28
595	1	rs60885521	174591547	1	rs3767421	202432160	6.684E-28
596	1	rs60885521	174591547	1	rs10920392	202321123	7.154E-28
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600	1	rs7543502	174653701	1	rs2292489	202536848	7.745E-28
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616	1	rs74225917	174686241	1	rs2361453	202336314	9.477E-28
617	1	rs59354288	174687003	1	rs2361453	202336314	9.477E-28
618	1	rs60665754	174687287	1	rs2361453	202336314	9.477E-28
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621	1	rs78199276	174706357	1	rs930734	202318316	1.011E-27
622	1	rs6695956	174711947	1	rs930734	202318316	1.011E-27
623	1	rs77727672	174718575	1	rs930734	202318316	1.011E-27
624	1	rs79388999	174724332	1	rs930734	202318316	1.011E-27
625	1	rs61329817	174724485	1	rs930734	202318316	1.011E-27
626	1	rs60723087	174655617	1	rs6427950	202472066	1.029E-27
627	1	rs60723087	174655617	1	rs3753908	202511295	1.029E-27
628	1	rs60723087	174655617	1	rs2249811	202531741	1.029E-27
629	1	rs60723087	174655617	1	rs925532	202533880	1.029E-27
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632	1	rs60723087	174655617	1	rs3767395	202536140	1.029E-27
633	1	rs75062924	174664341	1	rs6427950	202472066	1.029E-27
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636	1	rs75062924	174664341	1	rs925532	202533880	1.029E-27
637	1	rs75062924	174664341	1	rs925533	202534108	1.029E-27
638	1	rs75062924	174664341	1	rs3767397	202534389	1.029E-27
639	1	rs75062924	174664341	1	rs3767395	202536140	1.029E-27
640	1	rs74739388	174666752	1	rs6427950	202472066	1.029E-27
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642	1	rs74739388	174666752	1	rs2249811	202531741	1.029E-27
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644	1	rs74739388	174666752	1	rs925533	202534108	1.029E-27
645	1	rs74739388	174666752	1	rs3767397	202534389	1.029E-27
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686	1	rs79989938	174575187	1	rs2292489	202536848	1.072E-27
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745	1	rs60723087	174655617	1	rs3767421	202432160	1.33E-27
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882	1	rs57898822	174531784	1	rs2292489	202536848	1.821E-27
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884	1	rs75134210	174536483	1	rs2292489	202536848	1.821E-27
885	1	rs2179109	174540259	1	rs2292489	202536848	1.821E-27
886	1	rs16847206	174541307	1	rs2292489	202536848	1.821E-27
887	1	rs148694367	174544318	1	rs2292489	202536848	1.821E-27
888	1	rs143179310	174545451	1	rs2292489	202536848	1.821E-27
889	1	rs79763699	174729671	1	rs930734	202318316	1.828E-27
890	1	rs139161617	174732199	1	rs930734	202318316	1.828E-27
891	1	rs6673649	174733562	1	rs930734	202318316	1.828E-27
892	1	rs75912125	174740527	1	rs930734	202318316	1.828E-27
893	1	rs76616345	174766778	1	rs10800836	202410429	1.85E-27
894	1	rs76616345	174766778	1	rs3767425	202413840	1.85E-27
895	1	rs76616345	174766778	1	rs3767421	202432160	1.85E-27
896	1	rs7543502	174653701	1	rs1890875	202531366	1.863E-27
897	1	rs56864802	174568929	1	rs2361453	202336314	1.92E-27
898	1	rs60240702	174569231	1	rs2361453	202336314	1.92E-27
899	1	rs77531515	174572000	1	rs2361453	202336314	1.92E-27
900	1	rs77025642	174572929	1	rs2361453	202336314	1.92E-27
901	1	rs79989938	174575187	1	rs2361453	202336314	1.92E-27
902	1	rs114289262	174587137	1	rs2361453	202336314	1.928E-27
903	1	rs76616345	174766778	1	rs10920392	202321123	1.929E-27
904	1	rs76616345	174766778	1	rs6658708	202322113	1.929E-27
905	1	rs7543502	174653701	1	rs10800836	202410429	1.951E-27
906	1	rs7543502	174653701	1	rs3767425	202413840	1.951E-27
907	1	rs7543502	174653701	1	rs3767421	202432160	1.951E-27
908	1	rs80324733	174776328	1	rs1890875	202531366	2.006E-27
909	1	rs79763699	174729671	1	rs2361453	202336314	2.022E-27
910	1	rs139161617	174732199	1	rs2361453	202336314	2.022E-27
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912	1	rs75912125	174740527	1	rs2361453	202336314	2.022E-27
913	1	rs78199276	174706357	1	rs10159280	202394287	2.054E-27
914	1	rs6695956	174711947	1	rs10159280	202394287	2.054E-27
915	1	rs77727672	174718575	1	rs10159280	202394287	2.054E-27
916	1	rs79388999	174724332	1	rs10159280	202394287	2.054E-27
917	1	rs61329817	174724485	1	rs10159280	202394287	2.054E-27
918	1	rs56864802	174568929	1	rs6427950	202472066	2.075E-27
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921	1	rs56864802	174568929	1	rs925532	202533880	2.075E-27
922	1	rs56864802	174568929	1	rs925533	202534108	2.075E-27
923	1	rs56864802	174568929	1	rs3767397	202534389	2.075E-27
924	1	rs56864802	174568929	1	rs3767395	202536140	2.075E-27
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930	1	rs60240702	174569231	1	rs3767397	202534389	2.075E-27
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932	1	rs77531515	174572000	1	rs6427950	202472066	2.075E-27
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937	1	rs77531515	174572000	1	rs3767397	202534389	2.075E-27
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943	1	rs77025642	174572929	1	rs925533	202534108	2.075E-27
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945	1	rs77025642	174572929	1	rs3767395	202536140	2.075E-27
946	1	rs79989938	174575187	1	rs6427950	202472066	2.075E-27
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948	1	rs79989938	174575187	1	rs2249811	202531741	2.075E-27
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951	1	rs79989938	174575187	1	rs3767397	202534389	2.075E-27
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953	1	rs114289262	174587137	1	rs6427950	202472066	2.078E-27
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956	1	rs114289262	174587137	1	rs925532	202533880	2.078E-27
957	1	rs114289262	174587137	1	rs925533	202534108	2.078E-27
958	1	rs114289262	174587137	1	rs3767397	202534389	2.078E-27
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962	1	rs80324733	174776328	1	rs10800836	202410429	2.091E-27
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964	1	rs80324733	174776328	1	rs3767421	202432160	2.091E-27
965	1	rs138190123	174555301	1	rs930734	202318316	2.176E-27
966	1	rs60885521	174591547	1	rs10465591	202308344	2.183E-27
967	1	rs79763699	174729671	1	rs6427950	202472066	2.196E-27
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969	1	rs79763699	174729671	1	rs2249811	202531741	2.196E-27
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982	1	rs6673649	174733562	1	rs3753908	202511295	2.196E-27
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987	1	rs6673649	174733562	1	rs3767395	202536140	2.196E-27
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993	1	rs75912125	174740527	1	rs3767397	202534389	2.196E-27
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997	1	rs78583223	174766014	1	rs2292489	202536848	2.241E-27
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1002	1	rs77531515	174572000	1	rs1890875	202531366	2.556E-27
1003	1	rs77025642	174572929	1	rs1890875	202531366	2.556E-27
1004	1	rs79989938	174575187	1	rs1890875	202531366	2.556E-27
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1006	1	rs7543502	174653701	1	rs10159280	202394287	2.562E-27
1007	1	rs138190123	174555301	1	rs6427950	202472066	2.597E-27
1008	1	rs138190123	174555301	1	rs3753908	202511295	2.597E-27
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1012	1	rs138190123	174555301	1	rs3767397	202534389	2.597E-27
1013	1	rs138190123	174555301	1	rs3767395	202536140	2.597E-27
1014	1	rs74225911	174519824	1	rs2292489	202536848	2.63E-27
1015	1	rs56864802	174568929	1	rs10800836	202410429	2.679E-27
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1017	1	rs56864802	174568929	1	rs3767421	202432160	2.679E-27
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1019	1	rs60240702	174569231	1	rs3767425	202413840	2.679E-27
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1021	1	rs77531515	174572000	1	rs10800836	202410429	2.679E-27
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1023	1	rs77531515	174572000	1	rs3767421	202432160	2.679E-27
1024	1	rs77025642	174572929	1	rs10800836	202410429	2.679E-27
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1030	1	rs114289262	174587137	1	rs10800836	202410429	2.684E-27
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1034	1	rs79763699	174729671	1	rs1890875	202531366	2.698E-27
1035	1	rs139161617	174732199	1	rs1890875	202531366	2.698E-27



1036	1	rs6673649	174733562	1	rs1890875	202531366	2.698E-27
1037	1	rs75912125	174740527	1	rs1890875	202531366	2.698E-27
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1063	1	rs16847018	174419672	1	rs930734	202318316	2.944E-27
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1065	1	rs75368101	174447029	1	rs930734	202318316	2.944E-27
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1067	1	rs141587031	174458302	1	rs930734	202318316	2.944E-27
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1086	1	rs2179109	174540259	1	rs930734	202318316	2.944E-27
1087	1	rs16847206	174541307	1	rs930734	202318316	2.944E-27

1088	1	rs148694367	174544318	1	rs930734	202318316	2.944E-27
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1101	1	rs16847025	174425858	1	rs2361453	202336314	3.258E-27
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1103	1	rs74367921	174457505	1	rs2361453	202336314	3.258E-27
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1108	1	rs2901819	174467697	1	rs2361453	202336314	3.258E-27
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1110	1	rs41397546	174476714	1	rs2361453	202336314	3.258E-27
1111	1	rs16847121	174482433	1	rs2361453	202336314	3.258E-27
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1345	1	rs74225911	174519824	1	rs930734	202318316	4.241E-27
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1571	1	rs75134210	174536483	1	rs10159280	202394287	5.977E-27
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1658	1	rs16847018	174419672	1	rs10465591	202308344	1.464E-26
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1796	1	rs77714297	174641617	1	rs10800836	202410429	2.019E-26
1797	1	rs77714297	174641617	1	rs3767425	202413840	2.019E-26
1798	1	rs77714297	174641617	1	rs3767421	202432160	2.019E-26
1799	1	rs75540548	174648680	1	rs10800836	202410429	2.019E-26
1800	1	rs75540548	174648680	1	rs3767425	202413840	2.019E-26
1801	1	rs75540548	174648680	1	rs3767421	202432160	2.019E-26
1802	1	rs74225911	174519824	1	rs10465591	202308344	2.102E-26
1803	1	rs6703536	174613295	1	rs930734	202318316	2.151E-26
1804	1	rs74761236	174619114	1	rs10920392	202321123	2.157E-26
1805	1	rs74761236	174619114	1	rs6658708	202322113	2.157E-26
1806	1	rs149356780	174619156	1	rs10920392	202321123	2.157E-26
1807	1	rs149356780	174619156	1	rs6658708	202322113	2.157E-26
1808	1	rs146122202	174619399	1	rs10920392	202321123	2.157E-26
1809	1	rs146122202	174619399	1	rs6658708	202322113	2.157E-26
1810	1	rs78172621	174624110	1	rs10920392	202321123	2.157E-26
1811	1	rs78172621	174624110	1	rs6658708	202322113	2.157E-26
1812	1	rs74641552	174635904	1	rs10920392	202321123	2.157E-26
1813	1	rs74641552	174635904	1	rs6658708	202322113	2.157E-26
1814	1	rs115697417	174639688	1	rs10920392	202321123	2.157E-26
1815	1	rs115697417	174639688	1	rs6658708	202322113	2.157E-26

1816	1	rs76311252	174640594	1	rs10920392	202321123	2.157E-26
1817	1	rs76311252	174640594	1	rs6658708	202322113	2.157E-26
1818	1	rs77714297	174641617	1	rs10920392	202321123	2.157E-26
1819	1	rs77714297	174641617	1	rs6658708	202322113	2.157E-26
1820	1	rs75540548	174648680	1	rs10920392	202321123	2.157E-26
1821	1	rs75540548	174648680	1	rs6658708	202322113	2.157E-26
1822	1	rs2179108	174540727	1	rs1890875	202531366	2.3E-26
1823	1	rs6703536	174613295	1	rs2361453	202336314	2.371E-26
1824	1	rs2179108	174540727	1	rs10800836	202410429	2.399E-26
1825	1	rs2179108	174540727	1	rs3767425	202413840	2.399E-26
1826	1	rs2179108	174540727	1	rs3767421	202432160	2.399E-26
1827	1	rs6703536	174613295	1	rs6427950	202472066	2.566E-26
1828	1	rs6703536	174613295	1	rs3753908	202511295	2.566E-26
1829	1	rs6703536	174613295	1	rs2249811	202531741	2.566E-26
1830	1	rs6703536	174613295	1	rs925532	202533880	2.566E-26
1831	1	rs6703536	174613295	1	rs925533	202534108	2.566E-26
1832	1	rs6703536	174613295	1	rs3767397	202534389	2.566E-26
1833	1	rs6703536	174613295	1	rs3767395	202536140	2.566E-26
1834	1	rs2179108	174540727	1	rs10920392	202321123	2.584E-26
1835	1	rs2179108	174540727	1	rs6658708	202322113	2.584E-26
1836	1	rs74761236	174619114	1	rs10159280	202394287	2.649E-26
1837	1	rs149356780	174619156	1	rs10159280	202394287	2.649E-26
1838	1	rs146122202	174619399	1	rs10159280	202394287	2.649E-26
1839	1	rs78172621	174624110	1	rs10159280	202394287	2.649E-26
1840	1	rs74641552	174635904	1	rs10159280	202394287	2.649E-26
1841	1	rs115697417	174639688	1	rs10159280	202394287	2.649E-26
1842	1	rs76311252	174640594	1	rs10159280	202394287	2.649E-26
1843	1	rs77714297	174641617	1	rs10159280	202394287	2.649E-26
1844	1	rs75540548	174648680	1	rs10159280	202394287	2.649E-26
1845	1	rs2179108	174540727	1	rs10159280	202394287	3.132E-26
1846	1	rs6703536	174613295	1	rs1890875	202531366	3.151E-26
1847	1	rs6703536	174613295	1	rs10800836	202410429	3.298E-26
1848	1	rs6703536	174613295	1	rs3767425	202413840	3.298E-26
1849	1	rs6703536	174613295	1	rs3767421	202432160	3.298E-26
1850	1	rs79387712	174605087	1	rs10465591	202308344	3.336E-26
1851	1	rs6703536	174613295	1	rs10920392	202321123	3.521E-26
1852	1	rs6703536	174613295	1	rs6658708	202322113	3.521E-26
1853	1	rs187157646	174643586	1	rs930734	202318316	3.724E-26
1854	1	rs12404552	202566780	3	rs6791363	85073170	3.947E-26
1855	1	rs79728530	174402618	1	rs10465591	202308344	3.989E-26
1856	1	rs187157646	174643586	1	rs2361453	202336314	4.099E-26
1857	1	rs6703536	174613295	1	rs10159280	202394287	4.32E-26
1858	1	rs187157646	174643586	1	rs2292489	202536848	4.718E-26
1859	1	rs4515855	174588920	1	rs2292489	202536848	5.783E-26
1860	1	rs187157646	174643586	1	rs10920392	202321123	6.144E-26
1861	1	rs187157646	174643586	1	rs6658708	202322113	6.144E-26
1862	1	rs7543502	174653701	1	rs705742	202461982	6.454E-26
1863	1	rs74761236	174619114	1	rs10465591	202308344	6.466E-26
1864	1	rs149356780	174619156	1	rs10465591	202308344	6.466E-26
1865	1	rs146122202	174619399	1	rs10465591	202308344	6.466E-26
1866	1	rs78172621	174624110	1	rs10465591	202308344	6.466E-26
1867	1	rs74641552	174635904	1	rs10465591	202308344	6.466E-26



1868	1	rs115697417	174639688	1	rs10465591	202308344	6.466E-26
1869	1	rs76311252	174640594	1	rs10465591	202308344	6.466E-26
1870	1	rs77714297	174641617	1	rs10465591	202308344	6.466E-26
1871	1	rs75540548	174648680	1	rs10465591	202308344	6.466E-26
1872	1	rs2179108	174540727	1	rs10465591	202308344	6.993E-26
1873	1	rs187157646	174643586	1	rs10159280	202394287	7.565E-26
1874	1	rs146397359	174816494	1	rs1890875	202531366	7.923E-26
1875	1	rs187157646	174643586	1	rs10800836	202410429	9.211E-26
1876	1	rs187157646	174643586	1	rs3767425	202413840	9.211E-26
1877	1	rs187157646	174643586	1	rs3767421	202432160	9.211E-26
1878	1	rs187157646	174643586	1	rs6427950	202472066	9.211E-26
1879	1	rs187157646	174643586	1	rs3753908	202511295	9.211E-26
1880	1	rs187157646	174643586	1	rs2249811	202531741	9.211E-26
1881	1	rs187157646	174643586	1	rs925532	202533880	9.211E-26
1882	1	rs187157646	174643586	1	rs925533	202534108	9.211E-26
1883	1	rs187157646	174643586	1	rs3767397	202534389	9.211E-26
1884	1	rs187157646	174643586	1	rs3767395	202536140	9.211E-26
1885	1	rs79893841	174622255	1	rs2292489	202536848	9.318E-26
1886	1	rs4515855	174588920	1	rs930734	202318316	9.326E-26
1887	1	rs4515855	174588920	1	rs2361453	202336314	1.013E-25
1888	1	rs6703536	174613295	1	rs10465591	202308344	1.046E-25
1889	1	rs75461537	174869593	1	rs705742	202461982	1.084E-25
1890	1	rs4515855	174588920	1	rs6427950	202472066	1.117E-25
1891	1	rs4515855	174588920	1	rs3753908	202511295	1.117E-25
1892	1	rs4515855	174588920	1	rs2249811	202531741	1.117E-25
1893	1	rs4515855	174588920	1	rs925532	202533880	1.117E-25
1894	1	rs4515855	174588920	1	rs925533	202534108	1.117E-25
1895	1	rs4515855	174588920	1	rs3767397	202534389	1.117E-25
1896	1	rs4515855	174588920	1	rs3767395	202536140	1.117E-25
1897	1	rs187157646	174643586	1	rs1890875	202531366	1.134E-25
1898	1	rs146397359	174816494	1	rs10800836	202410429	1.276E-25
1899	1	rs146397359	174816494	1	rs3767425	202413840	1.276E-25
1900	1	rs146397359	174816494	1	rs3767421	202432160	1.276E-25
1901	1	rs2362941	202550547	5	rs265973	174860699	1.303E-25
1902	1	rs4515855	174588920	1	rs1890875	202531366	1.374E-25
1903	1	rs12404552	202566780	3	rs9876378	85071278	1.422E-25
1904	1	rs4515855	174588920	1	rs10800836	202410429	1.433E-25
1905	1	rs4515855	174588920	1	rs3767425	202413840	1.433E-25
1906	1	rs4515855	174588920	1	rs3767421	202432160	1.433E-25
1907	1	rs79893841	174622255	1	rs930734	202318316	1.495E-25
1908	1	rs4515855	174588920	1	rs10920392	202321123	1.513E-25
1909	1	rs4515855	174588920	1	rs6658708	202322113	1.513E-25
1910	1	rs79893841	174622255	1	rs2361453	202336314	1.643E-25
1911	1	rs79893841	174622255	1	rs6427950	202472066	1.779E-25
1912	1	rs79893841	174622255	1	rs3753908	202511295	1.779E-25
1913	1	rs79893841	174622255	1	rs2249811	202531741	1.779E-25
1914	1	rs79893841	174622255	1	rs925532	202533880	1.779E-25
1915	1	rs79893841	174622255	1	rs925533	202534108	1.779E-25
1916	1	rs79893841	174622255	1	rs3767397	202534389	1.779E-25
1917	1	rs79893841	174622255	1	rs3767395	202536140	1.779E-25
1918	1	rs4515855	174588920	1	rs10159280	202394287	1.86E-25
1919	1	rs187157646	174643586	1	rs10465591	202308344	1.888E-25

1920	1	rs4950778	202431464	3	rs115821677	86219871	2.171E-25
1921	1	rs4950779	202542202	3	rs115821677	86219871	2.171E-25
1922	1	rs79893841	174622255	1	rs1890875	202531366	2.18E-25
1923	1	rs79893841	174622255	1	rs10800836	202410429	2.281E-25
1924	1	rs79893841	174622255	1	rs3767425	202413840	2.281E-25
1925	1	rs79893841	174622255	1	rs3767421	202432160	2.281E-25
1926	1	rs79893841	174622255	1	rs10920392	202321123	2.432E-25
1927	1	rs79893841	174622255	1	rs6658708	202322113	2.432E-25
1928	1	rs146397359	174816494	1	rs2292489	202536848	2.907E-25
1929	1	rs79893841	174622255	1	rs10159280	202394287	2.977E-25
1930	1	rs967677	202548822	4	rs6853599	3445610	3.03E-25
1931	1	rs6700434	174868328	1	rs705742	202461982	3.358E-25
1932	1	rs4515855	174588920	1	rs10465591	202308344	4.527E-25
1933	1	rs77551912	174873951	1	rs705742	202461982	8.204E-25
1934	1	rs2362941	202550547	4	rs6853599	3445610	2.257E-24
1935	1	rs967677	202548822	3	rs12632810	10824072	2.487E-24
1936	1	rs967677	202548822	3	rs12632152	10832600	2.537E-24
1937	1	rs967677	202548822	3	rs2017887	10825694	2.57E-24
1938	1	rs747640	202551071	4	rs45579537	3446284	4.112E-24
1939	1	rs146397359	174816494	1	rs10920392	202321123	5.837E-24
1940	1	rs146397359	174816494	1	rs6658708	202322113	5.837E-24
1941	1	rs182548672	202440828	3	rs73141547	85657125	8.361E-24
1942	1	rs77155802	202450864	3	rs73141547	85657125	8.361E-24
1943	1	rs146397359	174816494	1	rs10465591	202308344	9.672E-24
1944	1	rs146397359	174816494	1	rs2361453	202336314	1.049E-23
1945	1	rs76616345	174766778	1	rs705742	202461982	1.102E-23
1946	1	rs2741849	202373394	4	rs283420	100288975	1.361E-23
1947	1	rs747640	202551071	4	rs17805201	3446513	1.507E-23
1948	1	rs146397359	174816494	1	rs10159280	202394287	1.983E-23
1949	1	rs146397359	174816494	1	rs930734	202318316	2.308E-23
1950	1	rs705742	202461982	3	rs9288991	113855761	4.533E-23
1951	1	rs705742	202461982	3	rs57309847	113856802	4.533E-23
1952	1	rs705742	202461982	3	rs9859762	113857118	4.533E-23
1953	1	rs12404552	202566780	3	rs1691471	85011013	6.085E-23
1954	1	rs705742	202461982	3	rs4592996	113850489	6.213E-23
1955	1	rs705742	202461982	3	rs2654754	113855796	6.213E-23
1956	1	rs705742	202461982	3	rs9837524	113856611	6.274E-23
1957	1	rs2741849	202373394	4	rs283416	100271356	1.161E-22
1958	1	rs2741849	202373394	4	rs166892	100282765	1.161E-22
1959	1	rs2741849	202373394	4	rs1229852	100283665	1.161E-22
1960	1	rs2741849	202373394	4	rs283422	100287182	1.161E-22
1961	1	rs2741849	202373394	4	rs283421	100287996	1.161E-22
1962	1	rs2741849	202373394	4	rs283418	100292187	1.161E-22
1963	1	rs705742	202461982	3	rs12490922	113856881	1.165E-22
1964	1	rs705742	202461982	3	rs9824856	113852731	1.788E-22
1965	1	rs4950859	202552839	3	rs12632810	10824072	1.873E-22
1966	1	rs4950859	202552839	3	rs12632152	10832600	1.886E-22
1967	1	rs4950859	202552839	3	rs2017887	10825694	1.935E-22
1968	1	rs747640	202551071	3	rs12632810	10824072	2.5E-22
1969	1	rs747640	202551071	3	rs12632152	10832600	2.516E-22
1970	1	rs747640	202551071	3	rs2017887	10825694	2.582E-22
1971	1	rs6426901	165158705	1	rs930734	202318316	9.938E-22

1972	1	rs6426902	165158935	1	rs930734	202318316	9.938E-22
1973	1	rs6426901	165158705	1	rs2361453	202336314	1.155E-21
1974	1	rs6426902	165158935	1	rs2361453	202336314	1.155E-21
1975	1	rs2741849	202373394	4	rs283411	100265957	1.201E-21
1976	1	rs2741849	202373394	4	rs72681904	100245080	1.288E-21
1977	1	rs6426901	165158705	1	rs2292489	202536848	2.021E-21
1978	1	rs6426902	165158935	1	rs2292489	202536848	2.021E-21
1979	1	rs3767392	202547101	3	rs12632152	10832600	2.478E-21
1980	1	rs3767392	202547101	3	rs12632810	10824072	2.483E-21
1981	1	rs3767392	202547101	3	rs2017887	10825694	2.507E-21
1982	1	rs10753665	165154104	1	rs2361453	202336314	3.584E-21
1983	1	rs10753665	165154104	1	rs930734	202318316	5.297E-21
1984	1	rs2741849	202373394	4	rs283404	100280719	1.329E-20
1985	1	rs79728530	174402618	1	rs705742	202461982	1.964E-20
1986	1	rs3767409	202479192	4	rs113221089	3445179	3.305E-20
1987	1	rs60885521	174591547	1	rs705742	202461982	3.843E-20
1988	1	rs10753665	165154104	1	rs2292489	202536848	7.109E-20
1989	1	rs79893841	174622255	1	rs705742	202461982	1.263E-19
1990	1	rs74649124	174760589	1	rs705742	202461982	1.335E-19
1991	1	rs79258314	174760696	1	rs705742	202461982	1.335E-19
1992	1	rs78199276	174706357	1	rs705742	202461982	2.287E-18
1993	1	rs6695956	174711947	1	rs705742	202461982	2.287E-18
1994	1	rs77727672	174718575	1	rs705742	202461982	2.287E-18
1995	1	rs79388999	174724332	1	rs705742	202461982	2.287E-18
1996	1	rs61329817	174724485	1	rs705742	202461982	2.287E-18
1997	1	rs6703536	174613295	1	rs705742	202461982	3.162E-18
1998	1	rs12404552	202566780	3	rs6803322	84986088	3.414E-18
1999	1	rs74761236	174619114	1	rs705742	202461982	4.867E-18
2000	1	rs149356780	174619156	1	rs705742	202461982	4.867E-18
2001	1	rs146122202	174619399	1	rs705742	202461982	4.867E-18
2002	1	rs78172621	174624110	1	rs705742	202461982	4.867E-18
2003	1	rs74641552	174635904	1	rs705742	202461982	4.867E-18
2004	1	rs115697417	174639688	1	rs705742	202461982	4.867E-18
2005	1	rs76311252	174640594	1	rs705742	202461982	4.867E-18
2006	1	rs77714297	174641617	1	rs705742	202461982	4.867E-18
2007	1	rs75540548	174648680	1	rs705742	202461982	4.867E-18
2008	1	rs74225911	174519824	1	rs705742	202461982	1.308E-17
2009	1	rs16847018	174419672	1	rs705742	202461982	1.868E-17
2010	1	rs16847025	174425858	1	rs705742	202461982	1.868E-17
2011	1	rs75368101	174447029	1	rs705742	202461982	1.868E-17
2012	1	rs74367921	174457505	1	rs705742	202461982	1.868E-17
2013	1	rs141587031	174458302	1	rs705742	202461982	1.868E-17
2014	1	rs75222047	174460751	1	rs705742	202461982	1.868E-17
2015	1	rs77684114	174461386	1	rs705742	202461982	1.868E-17
2016	1	rs79170014	174462952	1	rs705742	202461982	1.868E-17
2017	1	rs2901819	174467697	1	rs705742	202461982	1.868E-17
2018	1	rs58063264	174468442	1	rs705742	202461982	1.868E-17
2019	1	rs41397546	174476714	1	rs705742	202461982	1.868E-17
2020	1	rs16847121	174482433	1	rs705742	202461982	1.868E-17
2021	1	rs76886469	174488738	1	rs705742	202461982	1.868E-17
2022	1	rs57132183	174492721	1	rs705742	202461982	1.868E-17
2023	1	rs74651209	174501445	1	rs705742	202461982	1.868E-17

2024	1	rs59262554	174504233	1	rs705742	202461982	1.868E-17
2025	1	rs7547843	174507529	1	rs705742	202461982	1.868E-17
2026	1	rs142531097	174512268	1	rs705742	202461982	1.868E-17
2027	1	rs146786952	174514535	1	rs705742	202461982	1.868E-17
2028	1	rs41266052	174517443	1	rs705742	202461982	1.868E-17
2029	1	rs57898822	174531784	1	rs705742	202461982	1.868E-17
2030	1	rs75120198	174535022	1	rs705742	202461982	1.868E-17
2031	1	rs75134210	174536483	1	rs705742	202461982	1.868E-17
2032	1	rs2179109	174540259	1	rs705742	202461982	1.868E-17
2033	1	rs16847206	174541307	1	rs705742	202461982	1.868E-17
2034	1	rs148694367	174544318	1	rs705742	202461982	1.868E-17
2035	1	rs143179310	174545451	1	rs705742	202461982	1.868E-17
2036	1	rs79763699	174729671	1	rs705742	202461982	1.877E-17
2037	1	rs139161617	174732199	1	rs705742	202461982	1.877E-17
2038	1	rs6673649	174733562	1	rs705742	202461982	1.877E-17
2039	1	rs75912125	174740527	1	rs705742	202461982	1.877E-17
2040	1	rs77586561	174315488	1	rs17492329	202461103	3.264E-17
2041	1	rs6692753	174737457	1	rs705742	202461982	6.343E-17
2042	1	rs12404552	202566780	3	rs6771804	84983918	6.754E-17
2043	1	rs114289262	174587137	1	rs705742	202461982	7.496E-17
2044	1	rs56864802	174568929	1	rs705742	202461982	8.596E-17
2045	1	rs60240702	174569231	1	rs705742	202461982	8.596E-17
2046	1	rs77531515	174572000	1	rs705742	202461982	8.596E-17
2047	1	rs77025642	174572929	1	rs705742	202461982	8.596E-17
2048	1	rs79989938	174575187	1	rs705742	202461982	8.596E-17
2049	1	rs80324733	174776328	1	rs705742	202461982	9.138E-17
2050	1	rs12404552	202566780	3	rs28693686	84974785	9.475E-17
2051	1	rs3753562	174923567	1	rs705742	202461982	1.192E-16
2052	1	rs138190123	174555301	1	rs705742	202461982	1.637E-16
2053	1	rs78583223	174766014	1	rs17492329	202461103	3.485E-16
2054	1	rs58762254	174780210	1	rs705742	202461982	4.83E-16
2055	1	rs61028529	174787899	1	rs705742	202461982	4.83E-16
2056	1	rs79203634	174793526	1	rs705742	202461982	4.83E-16
2057	1	rs74524401	174795281	1	rs705742	202461982	4.83E-16
2058	1	rs59190079	174594608	1	rs705742	202461982	5.032E-16
2059	1	rs187157646	174643586	1	rs705742	202461982	7.667E-16
2060	1	rs76912418	174273097	1	rs17492329	202461103	8.277E-16
2061	1	rs78583223	174766014	1	rs705742	202461982	1.027E-15
2062	1	rs57425860	174335876	1	rs17492329	202461103	1.095E-15
2063	1	rs80134637	174749551	1	rs705742	202461982	1.467E-15
2064	1	rs76358862	174297060	1	rs17492329	202461103	1.678E-15
2065	1	rs59436654	174746513	1	rs705742	202461982	1.723E-15
2066	1	rs74225904	174260843	1	rs17492329	202461103	1.844E-15
2067	1	rs77915633	174268968	1	rs17492329	202461103	1.844E-15
2068	1	rs75109372	174275765	1	rs17492329	202461103	1.844E-15
2069	1	rs58657641	174290586	1	rs17492329	202461103	1.844E-15
2070	1	rs79842710	174296950	1	rs17492329	202461103	1.844E-15
2071	1	rs59949376	174298821	1	rs17492329	202461103	1.844E-15
2072	1	rs79273006	174306403	1	rs17492329	202461103	1.844E-15
2073	1	rs7549724	174311135	1	rs17492329	202461103	1.844E-15
2074	1	rs74982851	174322037	1	rs17492329	202461103	1.844E-15
2075	1	rs74838601	174330367	1	rs17492329	202461103	1.844E-15

2076	1	rs78735014	174337971	1	rs17492329	202461103	1.844E-15
2077	1	rs58525721	174344965	1	rs17492329	202461103	1.844E-15
2078	1	rs80232010	174346619	1	rs17492329	202461103	1.844E-15
2079	1	rs75694709	174352895	1	rs17492329	202461103	1.844E-15
2080	1	rs75455128	174354080	1	rs17492329	202461103	1.844E-15
2081	1	rs78840512	174367013	1	rs17492329	202461103	1.844E-15
2082	1	rs78176042	174367254	1	rs17492329	202461103	1.844E-15
2083	1	rs79039367	174376971	1	rs17492329	202461103	1.844E-15
2084	1	rs57053120	174830490	1	rs705742	202461982	2.528E-15
2085	1	rs76828045	174847442	1	rs705742	202461982	2.934E-15
2086	1	rs147728966	174848270	1	rs705742	202461982	2.934E-15
2087	1	rs76991270	174267626	1	rs17492329	202461103	3.009E-15
2088	1	rs80143117	174256505	1	rs17492329	202461103	3.275E-15
2089	1	rs59061054	174244009	1	rs17492329	202461103	3.452E-15
2090	1	rs80196237	174049290	1	rs17492329	202461103	6.268E-15
2091	1	rs141729655	174432399	1	rs705742	202461982	1.126E-14
2092	1	rs79077452	174435344	1	rs705742	202461982	1.126E-14
2093	1	rs79728530	174402618	1	rs17492329	202461103	1.185E-14
2094	1	rs60723087	174655617	1	rs17492329	202461103	1.186E-14
2095	1	rs75062924	174664341	1	rs17492329	202461103	1.186E-14
2096	1	rs74739388	174666752	1	rs17492329	202461103	1.186E-14
2097	1	rs74225917	174686241	1	rs17492329	202461103	1.186E-14
2098	1	rs59354288	174687003	1	rs17492329	202461103	1.186E-14
2099	1	rs60665754	174687287	1	rs17492329	202461103	1.186E-14
2100	1	rs76014701	174690404	1	rs17492329	202461103	1.186E-14
2101	1	rs74365829	174690558	1	rs17492329	202461103	1.186E-14
2102	1	rs7516351	174062741	1	rs17492329	202461103	1.342E-14
2103	1	rs59259904	174071417	1	rs17492329	202461103	1.342E-14
2104	1	rs58911640	174078545	1	rs17492329	202461103	1.342E-14
2105	1	rs80065868	174084151	1	rs17492329	202461103	1.342E-14
2106	1	rs74634566	174084903	1	rs17492329	202461103	1.342E-14
2107	1	rs4515855	174588920	1	rs705742	202461982	1.702E-14
2108	1	rs7543502	174653701	1	rs17492329	202461103	2.163E-14
2109	1	rs4284300	174463049	1	rs12404552	202566780	2.601E-14
2110	1	rs79387712	174605087	1	rs705742	202461982	2.603E-14
2111	1	rs79763699	174729671	1	rs17492329	202461103	2.65E-14
2112	1	rs139161617	174732199	1	rs17492329	202461103	2.65E-14
2113	1	rs6673649	174733562	1	rs17492329	202461103	2.65E-14
2114	1	rs75912125	174740527	1	rs17492329	202461103	2.65E-14
2115	1	rs78199276	174706357	1	rs17492329	202461103	2.733E-14
2116	1	rs6695956	174711947	1	rs17492329	202461103	2.733E-14
2117	1	rs77727672	174718575	1	rs17492329	202461103	2.733E-14
2118	1	rs79388999	174724332	1	rs17492329	202461103	2.733E-14
2119	1	rs61329817	174724485	1	rs17492329	202461103	2.733E-14