

Supplementary Table S1. Genetic variants significantly associated with four female reproductive traits as exposure as and BMD as outcome

N	SNP	F	EA	OA	beta.exp	se.exp	pval.exp	samplesize. exp	beta.out	se.out	pval.out	samplesize. out
AAM												
1	rs10090153	141.56	G	A	3.25E-02	4.49E-03	3.20E-13	279470	-3.94E-03	2.10E-03	6.03E-02	365403
2	rs10136330	130.36	T	C	-7.83E-02	1.13E-02	5.30E-12	279470	1.09E-02	5.29E-03	4.01E-02	365403
3	rs10226266	85.74	G	A	2.52E-02	4.49E-03	2.00E-08	279470	1.06E-03	2.12E-03	6.16E-01	365403
4	rs10401175	95.17	A	C	2.62E-02	4.42E-03	4.90E-09	279470	-2.18E-03	2.06E-03	2.89E-01	365403
5	rs10519445	92.62	A	G	-2.58E-02	4.43E-03	2.70E-08	279470	1.32E-04	2.06E-03	9.49E-01	365403
6	rs107068	142.17	G	A	3.20E-02	4.41E-03	7.20E-13	279470	-3.56E-03	2.06E-03	8.37E-02	365403
7	rs10740399	91.02	G	A	-2.71E-02	4.67E-03	1.50E-08	279470	3.14E-03	2.19E-03	1.52E-01	365403
8	rs10817190	94.67	A	G	-4.13E-02	6.99E-03	1.10E-09	279470	-4.16E-03	3.26E-03	2.02E-01	365403
9	rs10820310	85.14	G	A	-2.77E-02	4.92E-03	1.30E-08	279470	-2.63E-03	2.31E-03	2.54E-01	365403
10	rs10857036	89.97	C	T	2.56E-02	4.45E-03	1.80E-09	279470	1.51E-03	2.08E-03	4.67E-01	365403
11	rs10860153	120.17	G	A	-3.10E-02	4.68E-03	2.70E-11	279470	2.25E-03	2.19E-03	3.05E-01	365403
12	rs10861880	86.97	C	T	-2.49E-02	4.39E-03	2.90E-08	279470	-2.12E-03	2.06E-03	3.03E-01	365403
13	rs10895141	259.6	C	A	4.58E-02	4.68E-03	1.50E-22	279470	-3.69E-04	2.19E-03	8.66E-01	365403
14	rs10902475	92.93	A	C	2.93E-02	5.00E-03	2.80E-09	279470	-2.69E-03	2.34E-03	2.52E-01	365403
15	rs10908948	82.38	A	G	-2.45E-02	4.44E-03	6.00E-09	279470	4.33E-04	2.08E-03	8.35E-01	365403
16	rs10978430	1272.4	T	C	-1.03E-01	4.74E-03	1.60E-105	279470	2.45E-04	2.22E-03	9.12E-01	365403
17	rs11047447	124.9	G	A	3.16E-02	4.65E-03	1.40E-12	279470	-4.61E-03	2.17E-03	3.35E-02	365403
18	rs11071027	87.42	C	A	-2.58E-02	4.54E-03	2.00E-08	279470	-1.73E-03	2.12E-03	4.14E-01	365403
19	rs11165924	92.36	G	A	-2.73E-02	4.67E-03	1.70E-09	279470	-1.13E-03	2.20E-03	6.08E-01	365403
20	rs11218864	101.62	C	T	3.87E-02	6.30E-03	6.00E-10	279470	-2.42E-03	2.97E-03	4.15E-01	365403
21	rs112335739	108.89	T	C	4.54E-02	7.13E-03	1.70E-10	279470	-4.04E-04	3.34E-03	9.04E-01	365403
22	rs113467400	87.14	T	C	-4.40E-02	7.76E-03	1.10E-08	279470	7.55E-03	3.67E-03	3.98E-02	365403
23	rs113772882	112.2	T	G	-3.08E-02	4.85E-03	1.70E-10	279470	1.52E-03	2.29E-03	5.07E-01	365403
24	rs11605776	358.58	A	C	-5.59E-02	4.85E-03	1.50E-31	279470	1.98E-03	2.28E-03	3.85E-01	365403
25	rs11619721	108.73	T	G	-4.84E-02	7.73E-03	1.10E-10	279470	-3.56E-04	3.60E-03	9.21E-01	365403
26	rs116250833	75.52	G	A	3.41E-02	6.48E-03	3.60E-08	279470	4.49E-03	3.03E-03	1.38E-01	365403
27	rs116343494	74.2	T	C	-6.93E-02	1.33E-02	4.10E-08	279470	-2.15E-03	6.23E-03	7.30E-01	365403
28	rs11738611	93.65	A	C	3.16E-02	5.35E-03	1.90E-09	279470	-1.15E-03	2.51E-03	6.47E-01	365403
29	rs117947332	85.9	C	T	-5.43E-02	9.72E-03	3.80E-08	279470	4.61E-03	4.59E-03	3.15E-01	365403
30	rs11893331	432.42	G	A	7.41E-02	5.83E-03	3.60E-38	279470	2.11E-03	2.76E-03	4.45E-01	365403
31	rs12019957	90.06	C	T	-3.31E-02	5.76E-03	6.00E-09	279470	-1.82E-03	2.69E-03	4.99E-01	365403
32	rs12040029	109.65	T	C	-4.27E-02	6.99E-03	3.30E-09	279470	5.98E-03	3.30E-03	6.99E-02	365403
33	rs12360772	118.4	A	G	-3.73E-02	5.66E-03	4.90E-11	279470	-1.64E-03	2.65E-03	5.37E-01	365403
34	rs12550650	227.56	T	C	4.05E-02	4.43E-03	9.00E-21	279470	-3.89E-03	2.06E-03	5.93E-02	365403
35	rs12603280	133.65	A	G	-3.59E-02	5.15E-03	4.30E-13	279470	3.32E-04	2.41E-03	8.91E-01	365403
36	rs12607903	312.43	T	C	-5.27E-02	4.92E-03	7.50E-28	279470	-2.40E-04	2.29E-03	9.16E-01	365403
37	rs12879819	113.67	T	C	-2.85E-02	4.43E-03	1.90E-11	279470	-4.45E-04	2.06E-03	8.29E-01	365403
38	rs13179411	403.47	T	G	7.49E-02	6.13E-03	7.50E-35	279470	-6.60E-04	2.88E-03	8.19E-01	365403
39	rs13185314	76.15	T	G	-2.33E-02	4.39E-03	2.70E-08	279470	1.61E-03	2.05E-03	4.32E-01	365403
40	rs1360201	88.21	T	C	-2.51E-02	4.39E-03	2.70E-09	279470	4.15E-03	2.05E-03	4.31E-02	365403
41	rs141829833	295.32	T	C	1.54E-01	1.49E-02	3.80E-26	279470	-4.59E-04	6.91E-03	9.47E-01	365403
42	rs1555406	106.17	T	C	-4.28E-02	6.85E-03	4.10E-10	279470	4.81E-03	3.19E-03	1.32E-01	365403
43	rs16841741	163.97	G	A	5.47E-02	6.98E-03	2.40E-16	279470	-1.71E-03	3.29E-03	6.05E-01	365403
44	rs16860342	186.1	T	C	3.69E-02	4.43E-03	1.00E-17	279470	-3.05E-03	2.08E-03	1.42E-01	365403
45	rs17464835	111.26	A	G	3.52E-02	5.47E-03	4.40E-11	279470	-5.07E-03	2.56E-03	4.81E-02	365403
46	rs1755296	80.78	A	G	2.75E-02	5.02E-03	1.80E-08	279470	-3.06E-04	2.37E-03	8.98E-01	365403
47	rs17780982	87.9	T	G	2.57E-02	4.50E-03	1.20E-08	279470	-2.85E-03	2.09E-03	1.74E-01	365403
48	rs1881837	110.17	A	G	3.84E-02	6.03E-03	1.10E-10	279470	3.02E-03	2.80E-03	2.81E-01	365403
49	rs1973284	108.95	G	A	3.01E-02	4.73E-03	1.20E-10	279470	-3.07E-03	2.23E-03	1.69E-01	365403
50	rs1984870	173.62	T	G	3.53E-02	4.44E-03	6.50E-16	279470	-4.60E-03	2.08E-03	2.70E-02	365403
51	rs2066259	74.25	A	G	3.05E-02	5.81E-03	4.20E-08	279470	8.62E-04	2.71E-03	7.51E-01	365403
52	rs2167378	250.71	T	C	-4.27E-02	4.40E-03	4.50E-23	279470	7.97E-04	2.08E-03	7.02E-01	365403
53	rs2183004	171.73	A	G	-3.97E-02	4.98E-03	1.30E-14	279470	1.73E-03	2.33E-03	4.59E-01	365403
54	rs2194899	528.68	G	A	6.39E-02	4.59E-03	6.90E-47	279470	-3.80E-03	2.16E-03	7.83E-02	365403

55	rs2254479	160.77	A	G	-3.41E-02	4.40E-03	1.50E-14	279470	3.49E-03	2.08E-03	9.33E-02	365403
56	rs2343506	110.12	C	A	2.86E-02	4.50E-03	1.30E-10	279470	2.63E-03	2.12E-03	2.16E-01	365403
57	rs240766	267.92	A	G	-4.39E-02	4.41E-03	5.70E-24	279470	5.33E-03	2.08E-03	1.05E-02	365403
58	rs2539709	88.22	C	T	2.56E-02	4.47E-03	1.80E-08	279470	-2.17E-03	2.11E-03	3.05E-01	365403
59	rs2668767	420.73	C	T	5.54E-02	4.45E-03	1.60E-36	279470	-1.16E-03	2.07E-03	5.74E-01	365403
60	rs2798224	108.05	A	G	2.81E-02	4.44E-03	1.50E-10	279470	3.27E-04	2.08E-03	8.75E-01	365403
61	rs2953511	121.58	A	G	-3.39E-02	5.05E-03	7.80E-12	279470	5.72E-04	2.36E-03	8.09E-01	365403
62	rs3133974	87.47	T	G	-2.77E-02	4.87E-03	1.60E-08	279470	2.94E-03	2.27E-03	1.95E-01	365403
63	rs34399458	207.65	T	C	-5.10E-02	5.79E-03	1.70E-18	279470	3.63E-03	2.73E-03	1.84E-01	365403
64	rs34726119	164.68	T	C	4.12E-02	5.28E-03	9.90E-15	279470	-4.36E-03	2.47E-03	7.80E-02	365403
65	rs34750307	101.32	A	G	-2.74E-02	4.47E-03	3.30E-10	279470	7.06E-04	2.09E-03	7.35E-01	365403
66	rs35255016	140.74	T	C	3.73E-02	5.18E-03	1.50E-13	279470	-5.55E-03	2.41E-03	2.12E-02	365403
67	rs35917007	264.82	G	A	4.36E-02	4.40E-03	1.30E-23	279470	-8.50E-04	2.05E-03	6.79E-01	365403
68	rs3743266	270.46	C	T	-4.66E-02	4.67E-03	4.70E-24	279470	-1.43E-03	2.18E-03	5.12E-01	365403
69	rs3746619	119.49	A	C	5.27E-02	7.93E-03	6.20E-11	279470	5.01E-03	3.71E-03	1.78E-01	365403
70	rs4073513	123.75	G	A	3.28E-02	4.82E-03	1.50E-11	279470	-7.08E-04	2.27E-03	7.55E-01	365403
71	rs4133019	166.51	C	A	-3.46E-02	4.41E-03	3.30E-15	279470	3.28E-03	2.08E-03	1.14E-01	365403
72	rs4141153	371.52	G	A	6.48E-02	5.52E-03	3.40E-32	279470	-2.32E-03	2.62E-03	3.75E-01	365403
73	rs441675	83.1	G	T	2.44E-02	4.40E-03	2.10E-08	279470	2.42E-03	2.08E-03	2.44E-01	365403
74	rs4738266	94.37	T	C	2.79E-02	4.73E-03	4.00E-09	279470	-3.55E-03	2.21E-03	1.09E-01	365403
75	rs4821402	98.32	A	G	-2.65E-02	4.43E-03	1.10E-10	279470	-1.79E-04	2.06E-03	9.31E-01	365403
76	rs4875259	144.82	C	T	-3.35E-02	4.58E-03	5.20E-14	279470	9.04E-04	2.14E-03	6.73E-01	365403
77	rs561821	176.47	T	C	-3.66E-02	4.55E-03	5.90E-16	279470	2.30E-03	2.12E-03	2.78E-01	365403
78	rs59072247	184.56	T	C	1.07E-01	1.29E-02	1.60E-17	279470	-1.55E-02	6.20E-03	1.24E-02	365403
79	rs6010651	88.01	C	A	2.59E-02	4.56E-03	1.20E-08	279470	1.36E-03	2.13E-03	5.23E-01	365403
80	rs60194422	78.07	A	G	-2.38E-02	4.43E-03	4.60E-08	279470	4.47E-03	2.09E-03	3.27E-02	365403
81	rs6045400	117.41	G	A	-3.60E-02	5.48E-03	6.80E-12	279470	3.05E-03	2.56E-03	2.33E-01	365403
82	rs6066454	81.23	T	C	2.50E-02	4.59E-03	2.10E-08	279470	-1.63E-03	2.14E-03	4.45E-01	365403
83	rs6106122	114.65	G	A	2.88E-02	4.43E-03	1.80E-10	279470	-3.76E-03	2.07E-03	6.91E-02	365403
84	rs61779781	146.84	C	T	3.28E-02	4.42E-03	4.80E-14	279470	-2.90E-03	2.08E-03	1.63E-01	365403
85	rs62376854	99.49	G	A	-5.72E-02	9.52E-03	1.80E-09	279470	7.29E-04	4.44E-03	8.70E-01	365403
86	rs62405440	80.83	T	C	-3.87E-02	7.07E-03	4.20E-08	279470	-2.29E-03	3.35E-03	4.95E-01	365403
87	rs62415601	117.78	C	A	3.00E-02	4.54E-03	1.50E-11	279470	-2.47E-03	2.14E-03	2.48E-01	365403
88	rs62507083	114.87	T	G	-4.42E-02	6.78E-03	1.50E-11	279470	6.95E-03	3.15E-03	2.75E-02	365403
89	rs62520182	233.82	T	C	5.75E-02	6.31E-03	4.70E-21	279470	-3.34E-03	2.93E-03	2.54E-01	365403
90	rs643428	86.42	T	C	-2.55E-02	4.51E-03	5.00E-09	279470	1.51E-03	2.12E-03	4.76E-01	365403
91	rs6576457	228	A	G	-4.39E-02	4.79E-03	2.20E-20	279470	3.34E-03	2.23E-03	1.35E-01	365403
92	rs67103685	81.89	C	T	-2.73E-02	4.94E-03	1.50E-08	279470	5.10E-03	2.34E-03	2.92E-02	365403
93	rs6719214	81.99	C	T	-3.42E-02	6.18E-03	4.10E-08	279470	2.57E-03	2.90E-03	3.77E-01	365403
94	rs6747911	189.78	T	G	3.70E-02	4.39E-03	3.40E-17	279470	-1.98E-03	2.08E-03	3.41E-01	365403
95	rs697049	107.54	T	C	-2.93E-02	4.64E-03	1.50E-10	279470	-9.39E-04	2.17E-03	6.65E-01	365403
96	rs7073746	96.56	G	A	2.63E-02	4.40E-03	3.30E-09	279470	-3.93E-03	2.06E-03	5.70E-02	365403
97	rs7135337	92.56	C	A	2.62E-02	4.47E-03	3.60E-09	279470	-2.28E-03	2.09E-03	2.75E-01	365403
98	rs7148399	87.18	C	T	-2.63E-02	4.80E-03	3.30E-08	279470	-1.89E-04	2.24E-03	9.33E-01	365403
99	rs7218751	79.8	G	A	-3.04E-02	5.60E-03	1.20E-08	279470	3.46E-03	2.61E-03	1.86E-01	365403
100	rs72767997	115.43	C	T	8.63E-02	1.34E-02	4.40E-11	279470	-2.45E-04	6.30E-03	9.69E-01	365403
101	rs73035994	120.09	C	T	8.98E-02	1.35E-02	3.70E-11	279470	-2.87E-03	6.31E-03	6.49E-01	365403
102	rs73205548	125.69	T	C	4.13E-02	6.07E-03	5.90E-11	279470	-4.72E-03	2.84E-03	9.71E-02	365403
103	rs7329599	128.36	T	C	3.57E-02	5.19E-03	3.00E-11	279470	3.28E-03	2.42E-03	1.75E-01	365403
104	rs7433864	383.59	A	C	5.24E-02	4.38E-03	3.90E-34	279470	-2.64E-03	2.05E-03	1.98E-01	365403
105	rs7463166	177.63	G	A	-3.68E-02	4.54E-03	9.90E-17	279470	2.98E-03	2.12E-03	1.59E-01	365403
106	rs77093843	102.43	A	G	3.30E-02	5.37E-03	2.10E-10	279470	-4.27E-03	2.51E-03	8.84E-02	365403
107	rs7727787	123.31	A	G	-4.35E-02	6.43E-03	7.80E-11	279470	-3.26E-03	3.01E-03	2.79E-01	365403
108	rs7749175	78.3	T	C	2.37E-02	4.41E-03	1.90E-08	279470	-3.57E-03	2.08E-03	8.61E-02	365403
109	rs7949608	91.28	G	A	-2.58E-02	4.43E-03	1.30E-08	279470	4.50E-03	2.08E-03	3.06E-02	365403
110	rs7986796	155.46	T	G	-3.45E-02	4.56E-03	1.20E-15	279470	1.14E-03	2.12E-03	5.93E-01	365403
111	rs80170948	118.04	G	T	7.20E-02	1.14E-02	4.70E-11	279470	-1.45E-03	5.27E-03	7.82E-01	365403
112	rs803821	108.86	C	T	2.95E-02	4.67E-03	3.40E-10	279470	-3.08E-03	2.18E-03	1.58E-01	365403
113	rs842545	132.1	C	T	-3.84E-02	5.48E-03	1.00E-12	279470	3.38E-04	2.60E-03	8.97E-01	365403
114	rs852033	180.32	C	A	4.16E-02	5.10E-03	1.60E-16	279470	-4.77E-04	2.38E-03	8.41E-01	365403
115	rs882609	88.75	A	G	2.53E-02	4.43E-03	4.20E-09	279470	-5.73E-06	2.06E-03	9.98E-01	365403

116	rs913588	221.75	A	G	-3.98E-02	4.39E-03	3.10E-19	279470	-1.80E-03	2.05E-03	3.81E-01	365403
117	rs9295482	81.26	C	A	2.55E-02	4.64E-03	2.50E-08	279470	-3.21E-03	2.19E-03	1.42E-01	365403
118	rs9310563	103.73	T	C	-2.78E-02	4.48E-03	2.40E-10	279470	1.66E-03	2.09E-03	4.28E-01	365403
119	rs9312937	107.58	C	T	2.78E-02	4.45E-03	8.80E-10	279470	1.43E-03	2.08E-03	4.93E-01	365403
120	rs9321659	264.78	A	G	6.41E-02	6.46E-03	1.50E-22	279470	3.01E-03	3.04E-03	3.23E-01	365403
121	rs9325098	75.13	T	G	2.61E-02	4.93E-03	4.80E-08	279470	-5.77E-04	2.31E-03	8.02E-01	365403
122	rs9406422	165.72	A	G	6.78E-02	8.65E-03	2.10E-15	279470	-5.16E-03	4.06E-03	2.04E-01	365403
123	rs9554311	106.54	T	C	2.93E-02	4.68E-03	9.10E-11	279470	8.96E-04	2.18E-03	6.82E-01	365403
124	rs9568125	136.19	T	C	4.31E-02	6.07E-03	8.60E-12	279470	-6.93E-03	2.83E-03	1.45E-02	365403
125	rs9616551	104.68	G	A	-3.43E-02	5.56E-03	7.50E-09	279470	6.23E-03	2.58E-03	1.58E-02	365403
126	rs9635759	605.6	A	G	7.15E-02	4.88E-03	2.20E-49	279470	-5.21E-03	2.28E-03	2.26E-02	365403
127	rs9849338	112.28	A	C	-2.95E-02	4.60E-03	7.20E-11	279470	-2.87E-03	2.15E-03	1.81E-01	365403
128	rs9991479	159.16	C	T	3.80E-02	4.95E-03	5.80E-14	279470	-1.24E-03	2.32E-03	5.92E-01	365403
129	rs999885	85.87	A	G	2.48E-02	4.40E-03	2.80E-08	279470	-2.77E-03	2.08E-03	1.83E-01	365403
AFS												
1	rs10786831	31.82	G	A	5.19E-02	9.20E-03	1.68E-08	542901	8.35E-04	2.10E-03	6.91E-01	365403
2	rs10941692	37.92	C	T	7.02E-02	1.14E-02	8.84E-10	542901	-3.47E-03	2.58E-03	1.79E-01	365403
3	rs11167753	32.95	C	T	-5.74E-02	1.00E-02	1.04E-08	542901	1.17E-03	2.28E-03	6.07E-01	365403
4	rs112282597	31.74	G	A	6.31E-02	1.12E-02	1.57E-08	542901	-8.58E-05	2.40E-03	9.71E-01	365403
5	rs11242222	31.62	G	A	6.86E-02	1.22E-02	1.67E-08	542901	9.85E-04	2.59E-03	7.03E-01	365403
6	rs113247159	31.07	C	T	6.41E-02	1.15E-02	2.68E-08	542901	-4.60E-03	2.39E-03	5.48E-02	365403
7	rs11887646	39.85	G	A	7.07E-02	1.12E-02	2.25E-10	542901	-1.01E-03	2.44E-03	6.80E-01	365403
8	rs11915934	35.80	G	A	-7.30E-02	1.22E-02	2.25E-09	542901	2.09E-03	2.71E-03	4.41E-01	365403
9	rs12815613	33.81	G	A	5.64E-02	9.70E-03	5.75E-09	542901	2.29E-03	2.21E-03	3.00E-01	365403
10	rs1430901	36.52	G	A	5.62E-02	9.30E-03	1.33E-09	542901	-4.14E-03	2.07E-03	4.59E-02	365403
11	rs1606974	29.73	G	A	-7.47E-02	1.37E-02	4.61E-08	542901	9.17E-05	3.12E-03	9.77E-01	365403
12	rs17391694	37.80	T	C	-8.30E-02	1.35E-02	8.15E-10	542901	-3.89E-04	2.97E-03	8.96E-01	365403
13	rs17731405	32.46	G	A	-7.35E-02	1.29E-02	1.21E-08	542901	-2.80E-03	2.94E-03	3.40E-01	365403
14	rs1859100	32.88	G	T	-5.39E-02	9.40E-03	1.08E-08	542901	5.35E-03	2.13E-03	1.21E-02	365403
15	rs2069278	35.26	C	T	-5.76E-02	9.70E-03	3.13E-09	542901	2.71E-03	2.22E-03	2.22E-01	365403
16	rs2253763	29.69	C	T	-5.34E-02	9.80E-03	4.58E-08	542901	2.96E-03	2.11E-03	1.61E-01	365403
17	rs2906457	39.70	C	A	6.49E-02	1.03E-02	2.92E-10	542901	-3.95E-03	2.35E-03	9.25E-02	365403
18	rs293566	49.14	C	T	-6.94E-02	9.90E-03	2.18E-12	542901	-5.17E-04	2.19E-03	8.13E-01	365403
19	rs33920398	30.36	C	T	-5.73E-02	1.04E-02	3.93E-08	542901	8.33E-04	2.30E-03	7.17E-01	365403
20	rs34137317	38.22	T	C	2.47E-01	4.00E-02	6.15E-10	542901	8.50E-04	7.72E-03	9.12E-01	365403
21	rs359271	40.28	C	T	-6.22E-02	9.80E-03	1.88E-10	542901	4.80E-03	2.10E-03	2.25E-02	365403
22	rs4244533	36.51	A	G	-7.19E-02	1.19E-02	1.33E-09	542901	2.87E-03	2.59E-03	2.67E-01	365403
23	rs55988458	37.22	A	G	7.26E-02	1.19E-02	1.16E-09	542901	2.73E-03	2.71E-03	3.12E-01	365403
24	rs57432042	30.08	C	T	9.05E-02	1.65E-02	4.57E-08	542901	-9.16E-04	3.66E-03	8.02E-01	365403
25	rs60222682	30.49	T	C	-6.46E-02	1.17E-02	3.51E-08	542901	-3.42E-03	2.63E-03	1.94E-01	365403
26	rs6574018	30.91	T	G	5.56E-02	1.00E-02	2.42E-08	542901	-1.55E-03	2.15E-03	4.69E-01	365403
27	rs6585429	45.89	G	A	8.40E-02	1.24E-02	1.08E-11	542901	-1.20E-03	2.69E-03	6.56E-01	365403
28	rs6908444	29.93	A	G	-5.58E-02	1.02E-02	4.51E-08	542901	3.53E-04	2.16E-03	8.70E-01	365403
29	rs6923535	31.26	A	G	-5.20E-02	9.30E-03	2.12E-08	542901	-1.38E-03	2.08E-03	5.09E-01	365403
30	rs693691	32.53	C	T	-7.70E-02	1.35E-02	1.26E-08	542901	-2.37E-03	3.12E-03	4.48E-01	365403
31	rs72704712	43.68	G	T	-8.79E-02	1.33E-02	4.56E-11	542901	2.15E-03	2.75E-03	4.35E-01	365403
32	rs7359501	36.13	T	C	5.65E-02	9.40E-03	1.82E-09	542901	-3.90E-04	2.10E-03	8.53E-01	365403
33	rs7516843	39.68	G	A	6.11E-02	9.70E-03	3.12E-10	542901	2.03E-03	2.24E-03	3.65E-01	365403
34	rs78928669	30.06	G	A	1.42E-01	2.59E-02	4.22E-08	542901	-1.07E-02	5.71E-03	6.09E-02	365403
35	rs80153284	31.70	A	C	2.31E-01	4.11E-02	1.74E-08	542901	-1.17E-02	8.33E-03	1.61E-01	365403
36	rs8030494	32.23	A	C	5.45E-02	9.60E-03	1.30E-08	542901	4.67E-04	2.10E-03	8.24E-01	365403
37	rs8110682	39.92	C	T	6.95E-02	1.10E-02	2.59E-10	542901	1.87E-03	2.18E-03	3.91E-01	365403
38	rs9401333	48.72	C	A	-7.05E-02	1.01E-02	3.24E-12	542901	3.41E-04	2.14E-03	8.74E-01	365403
39	rs9540715	34.57	A	C	5.88E-02	1.00E-02	4.74E-09	542901	-1.99E-03	2.12E-03	3.48E-01	365403
40	rs9818010	38.15	T	G	6.30E-02	1.02E-02	5.63E-10	542901	1.31E-05	2.30E-03	9.95E-01	365403
AFB												
1	rs10104523	34.31	C	T	-1.23E-02	2.10E-03	6.70E-10	397338	-1.66E-03	2.05E-03	4.19E-01	365403
2	rs10516875	38.03	G	T	-1.48E-02	2.40E-03	6.60E-10	397338	1.20E-03	2.43E-03	6.21E-01	365403
3	rs10858054	30.45	T	G	1.49E-02	2.70E-03	2.30E-08	397338	-1.27E-03	2.65E-03	6.32E-01	365403
4	rs10880086	40.96	A	G	1.60E-02	2.50E-03	1.30E-10	397338	2.02E-03	2.50E-03	4.20E-01	365403
5	rs10955084	38.91	T	C	-1.31E-02	2.10E-03	2.50E-10	397338	3.62E-03	2.08E-03	8.19E-02	365403

6	rs11240331	34.03	T	C	1.40E-02	2.40E-03	2.20E-09	397338	-1.25E-04	2.37E-03	9.58E-01	365403
7	rs112523595	119.01	C	T	2.40E-02	2.20E-03	1.20E-28	397338	-3.43E-03	2.15E-03	1.11E-01	365403
8	rs112633616	44.29	C	A	3.86E-02	5.80E-03	5.20E-11	397338	-3.64E-03	5.74E-03	5.26E-01	365403
9	rs112880127	29.08	G	A	1.51E-02	2.80E-03	2.70E-08	397338	-1.69E-03	2.81E-03	5.47E-01	365403
10	rs113247159	42.25	C	T	1.56E-02	2.40E-03	1.10E-10	397338	-4.60E-03	2.39E-03	5.48E-02	365403
11	rs113338260	35.52	C	T	-1.49E-02	2.50E-03	2.20E-09	397338	-2.41E-03	2.51E-03	3.37E-01	365403
12	rs1156981	34.98	G	A	-2.07E-02	3.50E-03	1.60E-09	397338	-1.69E-03	3.46E-03	6.26E-01	365403
13	rs11688027	31.36	G	A	2.24E-02	4.00E-03	1.40E-08	397338	-3.58E-03	3.96E-03	3.66E-01	365403
14	rs11729080	67.60	A	G	2.22E-02	2.70E-03	4.10E-16	397338	-5.64E-03	2.71E-03	3.75E-02	365403
15	rs117831144	30.94	T	C	-3.56E-02	6.40E-03	3.40E-08	397338	-6.65E-03	6.30E-03	2.91E-01	365403
16	rs12049116	36.48	T	C	1.51E-02	2.50E-03	1.90E-09	397338	-3.57E-03	2.49E-03	1.51E-01	365403
17	rs12147463	60.36	A	G	-2.02E-02	2.60E-03	3.60E-14	397338	6.40E-04	2.62E-03	8.07E-01	365403
18	rs12376530	36.50	C	A	-1.45E-02	2.40E-03	7.90E-10	397338	-2.03E-04	2.36E-03	9.31E-01	365403
19	rs12448731	35.60	T	C	-1.79E-02	3.00E-03	2.10E-09	397338	-3.27E-03	2.96E-03	2.69E-01	365403
20	rs12463727	45.08	A	G	1.41E-02	2.10E-03	5.90E-12	397338	-1.97E-03	2.07E-03	3.40E-01	365403
21	rs12511982	29.99	A	G	1.15E-02	2.10E-03	1.60E-08	397338	-3.53E-03	2.07E-03	8.87E-02	365403
22	rs12523097	36.00	C	T	-1.38E-02	2.30E-03	1.20E-09	397338	-1.01E-03	2.26E-03	6.55E-01	365403
23	rs12757779	28.73	A	G	1.34E-02	2.50E-03	3.70E-08	397338	1.17E-03	2.46E-03	6.35E-01	365403
24	rs12907546	82.45	A	G	-2.27E-02	2.50E-03	2.10E-19	397338	-3.27E-04	2.51E-03	8.96E-01	365403
25	rs13175535	29.54	A	G	1.25E-02	2.30E-03	4.40E-08	397338	-2.05E-04	2.29E-03	9.28E-01	365403
26	rs1320138	49.67	C	T	1.48E-02	2.10E-03	1.90E-12	397338	-2.40E-03	2.09E-03	2.51E-01	365403
27	rs13307225	41.11	A	G	2.18E-02	3.40E-03	4.70E-11	397338	2.83E-03	3.37E-03	4.01E-01	365403
28	rs13394795	31.17	C	T	1.34E-02	2.40E-03	2.90E-08	397338	-4.06E-03	2.42E-03	9.38E-02	365403
29	rs1368546	61.73	C	T	1.65E-02	2.10E-03	2.50E-15	397338	1.21E-03	2.08E-03	5.59E-01	365403
30	rs186723454	39.82	G	A	-1.83E-02	2.90E-03	5.10E-11	397338	6.85E-05	2.88E-03	9.81E-01	365403
31	rs191242857	32.28	A	G	1.25E-02	2.20E-03	1.40E-08	397338	1.55E-03	2.21E-03	4.84E-01	365403
32	rs1931263	31.04	T	G	-1.17E-02	2.10E-03	1.70E-08	397338	-1.06E-03	2.07E-03	6.09E-01	365403
33	rs1976423	29.47	C	A	-1.14E-02	2.10E-03	4.00E-08	397338	-3.40E-03	2.05E-03	9.83E-02	365403
34	rs2084572	44.44	G	A	1.40E-02	2.10E-03	3.50E-11	397338	-4.69E-04	2.06E-03	8.20E-01	365403
35	rs2091377	31.57	T	C	1.18E-02	2.10E-03	3.10E-08	397338	6.99E-04	2.14E-03	7.44E-01	365403
36	rs2093623	43.81	A	G	1.39E-02	2.10E-03	4.50E-11	397338	2.71E-03	2.08E-03	1.93E-01	365403
37	rs2130894	29.79	T	C	1.31E-02	2.40E-03	1.70E-08	397338	2.20E-03	2.35E-03	3.49E-01	365403
38	rs215639	35.46	T	C	1.31E-02	2.20E-03	2.30E-09	397338	-2.82E-03	2.19E-03	1.99E-01	365403
39	rs222440	39.64	C	T	1.70E-02	2.70E-03	4.90E-10	397338	-7.13E-04	2.70E-03	7.91E-01	365403
40	rs2274568	37.73	A	G	-1.29E-02	2.10E-03	4.60E-10	397338	3.54E-03	2.10E-03	9.10E-02	365403
41	rs2406374	39.92	T	C	1.39E-02	2.20E-03	4.30E-10	397338	-1.79E-03	2.21E-03	4.18E-01	365403
42	rs2974311	38.91	A	G	1.31E-02	2.10E-03	2.70E-10	397338	-2.95E-03	2.05E-03	1.50E-01	365403
43	rs3007104	49.67	A	G	-1.48E-02	2.10E-03	1.50E-12	397338	2.41E-03	2.08E-03	2.46E-01	365403
44	rs341521	47.79	A	G	-1.59E-02	2.30E-03	9.00E-13	397338	4.48E-03	2.25E-03	4.66E-02	365403
45	rs34606772	31.57	T	C	-1.18E-02	2.10E-03	1.60E-08	397338	-8.47E-04	2.10E-03	6.86E-01	365403
46	rs34804222	51.70	G	A	1.51E-02	2.10E-03	1.90E-13	397338	-8.72E-04	2.10E-03	6.78E-01	365403
47	rs35077383	27.44	C	T	-1.10E-02	2.10E-03	3.90E-08	397338	-1.62E-04	2.07E-03	9.37E-01	365403
48	rs359271	74.29	C	T	-1.81E-02	2.10E-03	4.10E-18	397338	4.80E-03	2.10E-03	2.25E-02	365403
49	rs410520	28.95	T	C	1.13E-02	2.10E-03	4.60E-08	397338	7.69E-04	2.07E-03	7.10E-01	365403
50	rs4439537	39.51	C	T	1.32E-02	2.10E-03	1.10E-10	397338	-2.12E-03	2.07E-03	3.04E-01	365403
51	rs4557006	31.57	A	G	-1.18E-02	2.10E-03	8.30E-09	397338	-6.30E-04	2.08E-03	7.62E-01	365403
52	rs4569188	37.65	A	G	-1.35E-02	2.20E-03	1.30E-09	397338	-1.79E-03	2.17E-03	4.10E-01	365403
53	rs4702	67.08	A	G	1.72E-02	2.10E-03	1.10E-16	397338	-1.60E-03	2.06E-03	4.38E-01	365403
54	rs4709807	33.06	C	T	-1.38E-02	2.40E-03	1.00E-08	397338	3.70E-03	2.42E-03	1.27E-01	365403
55	rs4800204	35.43	T	C	-1.25E-02	2.10E-03	4.60E-09	397338	1.26E-03	2.07E-03	5.44E-01	365403
56	rs4809230	35.08	A	G	2.31E-02	3.90E-03	2.50E-09	397338	4.54E-03	3.86E-03	2.39E-01	365403
57	rs56306056	39.44	A	G	1.57E-02	2.50E-03	4.10E-10	397338	-3.15E-03	2.51E-03	2.10E-01	365403
58	rs56392241	44.44	C	A	-1.40E-02	2.10E-03	8.90E-12	397338	1.39E-03	2.11E-03	5.10E-01	365403
59	rs58938116	39.06	T	G	-1.75E-02	2.80E-03	1.60E-10	397338	-1.64E-03	2.78E-03	5.56E-01	365403
60	rs592278	35.43	A	G	-1.25E-02	2.10E-03	3.40E-09	397338	-1.29E-04	2.09E-03	9.51E-01	365403
61	rs60775983	37.67	G	A	1.78E-02	2.90E-03	4.50E-10	397338	2.16E-03	2.86E-03	4.51E-01	365403
62	rs61856978	49.00	C	T	-1.54E-02	2.20E-03	5.70E-13	397338	7.82E-04	2.18E-03	7.19E-01	365403
63	rs62134195	37.40	T	C	3.18E-02	5.20E-03	5.30E-10	397338	5.50E-03	5.24E-03	2.94E-01	365403
64	rs62177795	57.76	A	G	1.90E-02	2.50E-03	9.00E-15	397338	-6.39E-04	2.50E-03	7.98E-01	365403
65	rs62439690	41.71	A	G	-1.55E-02	2.40E-03	7.20E-11	397338	-3.05E-03	2.39E-03	2.01E-01	365403
66	rs6719762	110.75	C	T	-2.21E-02	2.10E-03	7.20E-27	397338	-9.57E-04	2.08E-03	6.45E-01	365403

67	rs6776937	30.47	A	C	-1.38E-02	2.50E-03	1.20E-08	397338	4.25E-05	2.50E-03	9.86E-01	365403
68	rs7008955	30.51	G	T	1.16E-02	2.10E-03	3.40E-08	397338	3.41E-04	2.06E-03	8.69E-01	365403
69	rs7079070	61.73	A	G	-1.65E-02	2.10E-03	1.20E-15	397338	2.67E-03	2.07E-03	1.97E-01	365403
70	rs7091634	35.43	G	A	1.25E-02	2.10E-03	3.80E-09	397338	3.70E-04	2.12E-03	8.61E-01	365403
71	rs7151954	64.00	G	A	-2.08E-02	2.60E-03	4.00E-16	397338	1.39E-03	2.56E-03	5.88E-01	365403
72	rs7152323	55.18	G	A	-1.56E-02	2.10E-03	3.10E-13	397338	1.16E-03	2.09E-03	5.78E-01	365403
73	rs7167444	33.06	T	G	-1.38E-02	2.40E-03	8.10E-09	397338	4.54E-03	2.38E-03	5.65E-02	365403
74	rs7201310	27.68	A	C	1.21E-02	2.30E-03	2.70E-08	397338	1.31E-03	2.24E-03	5.57E-01	365403
75	rs72674824	32.59	C	T	1.37E-02	2.40E-03	3.40E-08	397338	-1.28E-03	2.40E-03	5.95E-01	365403
76	rs7452074	37.15	C	A	-1.28E-02	2.10E-03	4.90E-10	397338	-2.53E-03	2.09E-03	2.26E-01	365403
77	rs7503604	37.73	A	C	1.29E-02	2.10E-03	6.10E-10	397338	4.33E-04	2.10E-03	8.37E-01	365403
78	rs7566527	42.56	T	C	1.37E-02	2.10E-03	3.80E-11	397338	2.70E-03	2.11E-03	2.00E-01	365403
79	rs7618715	36.00	A	G	1.26E-02	2.10E-03	1.90E-09	397338	-4.10E-03	2.10E-03	5.02E-02	365403
80	rs7671317	30.75	T	G	1.22E-02	2.20E-03	3.50E-08	397338	1.38E-03	2.21E-03	5.32E-01	365403
81	rs7704530	30.97	A	G	-1.28E-02	2.30E-03	2.90E-08	397338	1.04E-03	2.32E-03	6.55E-01	365403
82	rs7785195	41.66	A	G	1.42E-02	2.20E-03	9.50E-11	397338	-3.50E-03	2.19E-03	1.10E-01	365403
83	rs783544	38.03	C	A	1.48E-02	2.40E-03	3.50E-10	397338	-1.53E-03	2.36E-03	5.18E-01	365403
84	rs7909331	31.04	G	A	-1.56E-02	2.80E-03	2.90E-08	397338	1.99E-03	2.77E-03	4.74E-01	365403
85	rs79269403	67.90	A	G	2.06E-02	2.50E-03	3.10E-17	397338	6.28E-04	2.45E-03	7.98E-01	365403
86	rs7927195	52.39	G	A	-1.52E-02	2.10E-03	4.90E-13	397338	5.53E-04	2.12E-03	7.94E-01	365403
87	rs794375	45.72	C	T	1.42E-02	2.10E-03	1.40E-11	397338	-4.05E-03	2.11E-03	5.51E-02	365403
88	rs7972441	45.87	A	C	-1.49E-02	2.20E-03	1.10E-11	397338	1.41E-03	2.16E-03	5.14E-01	365403
89	rs803679	49.00	A	G	1.75E-02	2.50E-03	6.80E-12	397338	-4.74E-03	2.55E-03	6.28E-02	365403
90	rs809955	55.89	A	G	1.57E-02	2.10E-03	1.00E-13	397338	-8.99E-04	2.13E-03	6.73E-01	365403
91	rs8180995	33.75	G	A	1.22E-02	2.10E-03	8.90E-10	397338	-1.01E-03	2.06E-03	6.25E-01	365403
92	rs838042	54.22	A	G	1.62E-02	2.20E-03	3.90E-13	397338	-3.39E-03	2.23E-03	1.29E-01	365403
93	rs9538248	52.23	A	C	-1.59E-02	2.20E-03	3.00E-13	397338	1.75E-03	2.19E-03	4.26E-01	365403
94	rs9809849	44.44	A	G	-1.40E-02	2.10E-03	1.80E-11	397338	-5.74E-04	2.08E-03	7.83E-01	365403
95	rs9923553	36.52	G	A	-1.39E-02	2.30E-03	3.80E-10	397338	2.26E-03	2.26E-03	3.16E-01	365403

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1	rs10476835	32.77	A	G	2.11E-02	3.69E-03	1.00E-08	143819	2.17E-03	2.06E-03	2.91E-01	365403
2	rs10813912	42.82	G	A	2.49E-02	3.80E-03	6.00E-11	143819	-7.81E-04	2.12E-03	7.13E-01	365403
3	rs10937153	69.55	A	G	3.61E-02	4.33E-03	7.40E-17	143819	2.95E-03	2.40E-03	2.20E-01	365403
4	rs112190116	65.75	T	C	1.43E-01	1.76E-02	5.10E-16	143819	9.60E-03	9.86E-03	3.30E-01	365403
5	rs112217463	95.42	A	G	-3.73E-02	3.82E-03	1.50E-22	143819	1.82E-03	2.13E-03	3.93E-01	365403
6	rs11650324	77.81	G	A	3.91E-02	4.43E-03	1.10E-18	143819	5.15E-03	2.47E-03	3.70E-02	365403
7	rs12046563	34.00	G	A	-2.52E-02	4.32E-03	5.50E-09	143819	-1.53E-04	2.42E-03	9.50E-01	365403
8	rs12132692	41.26	T	C	4.03E-02	6.27E-03	1.30E-10	143819	-2.86E-03	3.51E-03	4.17E-01	365403
9	rs12609254	32.46	T	C	-3.39E-02	5.95E-03	1.20E-08	143819	1.90E-03	3.31E-03	5.66E-01	365403
10	rs156520	29.75	A	C	2.25E-02	4.12E-03	4.90E-08	143819	-3.52E-04	2.29E-03	8.78E-01	365403
11	rs1565909	286.10	T	C	6.23E-02	3.69E-03	3.50E-64	143819	-3.94E-04	2.05E-03	8.48E-01	365403
12	rs1655907	32.61	C	T	-2.90E-02	5.09E-03	1.10E-08	143819	-1.06E-03	2.85E-03	7.11E-01	365403
13	rs17680522	32.49	G	A	2.32E-02	4.06E-03	1.20E-08	143819	4.76E-04	2.25E-03	8.33E-01	365403
14	rs17856037	39.76	T	C	-7.40E-02	1.17E-02	2.90E-10	143819	-3.09E-03	6.49E-03	6.34E-01	365403
15	rs184540366	43.33	T	G	-8.48E-02	1.29E-02	4.60E-11	143819	6.85E-03	7.20E-03	3.42E-01	365403
16	rs2304192	48.66	G	A	-2.82E-02	4.04E-03	3.00E-12	143819	-1.75E-03	2.25E-03	4.38E-01	365403
17	rs2519673	49.14	A	G	-2.68E-02	3.82E-03	2.40E-12	143819	-1.35E-04	2.15E-03	9.50E-01	365403
18	rs28416520	91.36	A	G	-3.56E-02	3.73E-03	1.20E-21	143819	-2.05E-03	2.08E-03	3.24E-01	365403
19	rs2844466	151.46	C	T	-4.72E-02	3.84E-03	8.30E-35	143819	-4.87E-03	2.16E-03	2.39E-02	365403
20	rs28797500	364.01	C	T	-8.46E-02	4.43E-03	3.80E-81	143819	-2.90E-03	2.45E-03	2.38E-01	365403
21	rs2941506	88.44	G	A	3.74E-02	3.97E-03	5.20E-21	143819	2.20E-03	2.21E-03	3.21E-01	365403
22	rs299168	64.86	A	G	5.06E-02	6.29E-03	8.00E-16	143819	1.90E-03	3.48E-03	5.85E-01	365403
23	rs34962991	658.64	A	G	-9.84E-02	3.83E-03	2.90E-145	143819	-1.77E-03	2.14E-03	4.07E-01	365403
24	rs419128	81.06	A	G	-3.48E-02	3.86E-03	2.20E-19	143819	-3.82E-04	2.16E-03	8.59E-01	365403
25	rs4495657	76.29	C	T	3.28E-02	3.76E-03	2.40E-18	143819	3.67E-03	2.10E-03	8.09E-02	365403
26	rs4679121	39.59	T	C	-3.81E-02	6.05E-03	3.10E-10	143819	-5.74E-03	3.36E-03	8.77E-02	365403
27	rs4886238	92.65	A	G	3.80E-02	3.95E-03	6.30E-22	143819	3.69E-03	2.19E-03	9.17E-02	365403
28	rs507926	36.51	C	T	2.99E-02	4.94E-03	1.50E-09	143819	-4.27E-04	2.76E-03	8.77E-01	365403
29	rs58279426	333.67	C	T	6.76E-02	3.70E-03	1.50E-74	143819	4.09E-03	2.06E-03	4.71E-02	365403
30	rs60907808	71.22	G	A	-4.44E-02	5.26E-03	3.20E-17	143819	-6.24E-03	2.94E-03	3.37E-02	365403
31	rs62156695	112.58	G	A	-6.41E-02	6.04E-03	2.70E-26	143819	-7.26E-03	3.40E-03	3.30E-02	365403

32	rs62445870	36.12	T	C	7.46E-02	1.24E-02	1.90E-09	143819	1.86E-03	6.95E-03	7.90E-01	365403
33	rs6500437	79.59	C	T	-3.55E-02	3.97E-03	4.60E-19	143819	-6.01E-03	2.21E-03	6.61E-03	365403
34	rs6584351	30.99	G	A	2.05E-02	3.68E-03	2.60E-08	143819	4.17E-03	2.06E-03	4.25E-02	365403
35	rs6667957	47.98	C	T	-2.60E-02	3.75E-03	4.30E-12	143819	9.42E-04	2.09E-03	6.53E-01	365403
36	rs6736096	29.82	C	T	2.01E-02	3.68E-03	4.70E-08	143819	8.46E-04	2.07E-03	6.82E-01	365403
37	rs6912979	38.98	C	T	-2.55E-02	4.09E-03	4.30E-10	143819	-2.08E-03	2.30E-03	3.65E-01	365403
38	rs7125555	56.22	T	C	-2.76E-02	3.69E-03	6.50E-14	143819	-1.94E-03	2.06E-03	3.46E-01	365403
39	rs746748	42.40	T	C	4.74E-02	7.29E-03	7.50E-11	143819	7.32E-04	4.03E-03	8.56E-01	365403
40	rs74701710	36.19	A	G	-4.83E-02	8.04E-03	1.80E-09	143819	-8.45E-03	4.55E-03	6.32E-02	365403
41	rs7589040	49.11	T	C	-3.15E-02	4.50E-03	2.40E-12	143819	-1.56E-03	2.57E-03	5.43E-01	365403
42	rs7661090	35.04	T	C	-3.53E-02	5.96E-03	3.20E-09	143819	-4.39E-03	3.33E-03	1.88E-01	365403
43	rs76928871	84.29	G	A	4.30E-02	4.69E-03	4.30E-20	143819	5.61E-03	2.62E-03	3.24E-02	365403
44	rs77100210	179.70	C	A	1.13E-01	8.44E-03	5.60E-41	143819	1.04E-02	4.63E-03	2.52E-02	365403
45	rs7778113	50.96	T	G	2.80E-02	3.92E-03	9.40E-13	143819	1.98E-03	2.21E-03	3.71E-01	365403
46	rs888368	36.26	G	A	2.22E-02	3.68E-03	1.70E-09	143819	7.77E-04	2.05E-03	7.05E-01	365403
47	rs9313736	69.41	A	G	-3.14E-02	3.77E-03	8.00E-17	143819	-1.32E-03	2.11E-03	5.30E-01	365403
48	rs9607474	32.00	T	C	-3.24E-02	5.73E-03	1.50E-08	143819	-6.57E-03	3.19E-03	3.95E-02	365403
49	rs9788714	127.10	A	G	-4.29E-02	3.81E-03	1.80E-29	143819	1.27E-03	2.12E-03	5.49E-01	365403
