

Supplementary Table 1. Harmonized dataset of univariate Mendelian randomization for the effect of appendicular lean mass on ovarian cancer

Supplementary Table 2. Harmonized dataset of univariate Mendelian randomization for the effect of usual walking pace on ovarian cancer

Supplementary Table 3. Harmonized dataset of univariate Mendelian randomization for the effect of hand grip strength (right) on ovarian cancer

Supplementary Table 4. Harmonized dataset of univariate Mendelian randomization for the effect of moderate to vigorous physical activity levels on ovarian cancer

Supplementary Table 5. Harmonized dataset of univariate Mendelian randomization for the effect of body mass index on ovarian cancer

Supplementary Table 1. Harmonized dataset of univariate Mendelian randomization for the effect of appendicular lean mass on ovarian cancer

SNP	EA.exposure	OA.exposure	EA.outcome	OA.outcome	Chromosome	Exposure				Outcome		
						Effect	SE	P-value		Effect	SE	P-value
rs10005035	G	C	G	C	4	-0.0175	0.0021	6.51E-17		-0.0001	0.000274	0.7
rs10036789	G	C	G	C	5	0.0163	0.0019	1.16E-17		0.000352	0.000249	0.16
rs1005723	T	C	T	C	1	0.0161	0.0024	1.79E-11		4.42E-05	0.000316	0.89
rs10068640	A	G	A	G	5	0.0112	0.002	1.28E-08		-9.26E-05	0.000257	0.719999
rs10075249	T	C	T	C	5	0.0143	0.0019	4.56E-14		-9.34E-05	0.000247	0.709999
rs10107388	C	T	C	T	8	-0.0159	0.002	6.95E-16		0.000168	0.000256	0.51
rs10112506	G	A	G	A	8	-0.012	0.0019	5.76E-10		-0.00031	0.000253	0.22
rs10123619	G	A	G	A	9	-0.0171	0.0026	4.05E-11		-0.00013	0.000338	0.69
rs10128333	T	C	T	C	10	-0.0146	0.0025	9.51E-09		0.000434	0.000331	0.19
rs10171272	A	C	A	C	2	0.0136	0.002	2.87E-11		-0.00019	0.00027	0.47
rs10202701	T	C	T	C	2	0.0227	0.0019	3.11E-33		-0.00026	0.000248	0.3
rs10202845	G	A	G	A	2	-0.0288	0.003	5.35E-22		0.000458	0.000393	0.24
rs10203320	C	T	C	T	2	0.0138	0.002	7.86E-12		0.000189	0.000265	0.48
rs10203386	A	T	A	T	2	-0.0238	0.0019	1.75E-36		-0.00027	0.000248	0.27
rs10205141	G	A	G	A	2	0.0241	0.0044	4.71E-08		0.000653	0.000578	0.26
rs10221831	T	C	T	C	2	0.03	0.0053	1.80E-08		0.000528	0.0007	0.450001
rs10225945	G	A	G	A	7	-0.0146	0.0026	3.28E-08		0.00029	0.000344	0.4
rs10242866	T	C	T	C	7	0.0157	0.0019	3.66E-16		0.000146	0.000251	0.56
rs10283100	G	A	G	A	8	0.0575	0.0041	4.11E-44		0.001009	0.000539	0.061
rs1035583	A	G	A	G	2	0.0148	0.0019	1.99E-14		3.73E-05	0.000253	0.88
rs10453441	G	A	G	A	22	-0.0139	0.002	9.10E-13		9.91E-05	0.000252	0.69

rs10461725	C	G	C	G	5	0.0134	0.002	1.98E-11		4.69E-05	0.000261	0.86
rs1047891	A	C	A	C	2	0.0233	0.002	5.70E-31		4.64E-05	0.000265	0.86
rs10483727	C	T	C	T	14	-0.0368	0.0019	6.73E-80		-0.00013	0.000252	0.62
rs1056747	G	A	G	A	9	-0.0155	0.0019	8.05E-16		-0.00023	0.00025	0.35
rs10627558	CGT	C	CGT	C	7	-0.0181	0.0022	6.91E-16		0.000245	0.000292	0.4
rs1063582	G	T	G	T	8	-0.0185	0.0022	1.12E-16		-0.00028	0.00029	0.34
rs10637890	TTC	T	TTC	T	14	-0.0123	0.002	3.96E-10		-6.77E-05	0.000256	0.79
rs10748128	T	G	T	G	12	0.0255	0.002	6.77E-38		-5.18E-05	0.000259	0.84
rs10776560	T	C	T	C	10	-0.0157	0.0019	7.88E-17		-0.00026	0.000246	0.3
rs10796828	G	T	G	T	11	0.0154	0.002	5.77E-15		0.000118	0.000256	0.64
rs10807137	T	C	T	C	6	-0.0455	0.0025	5.68E-75		0.00014	0.000324	0.67
rs10815274	C	A	C	A	9	0.0124	0.0019	6.46E-11		0.000246	0.000248	0.32
rs10822117	G	A	G	A	10	-0.0176	0.0022	4.24E-15		-0.00033	0.000292	0.26
rs10824307	C	G	C	G	10	-0.0194	0.002	1.79E-22		-0.00017	0.000259	0.51
rs10829226	A	G	A	G	10	-0.0112	0.002	1.33E-08		-0.00013	0.000256	0.61
rs10832963	G	T	G	T	11	-0.0203	0.0022	9.23E-21		-0.00045	0.000283	0.11
rs10845408	T	C	T	C	12	0.0255	0.002	3.25E-38		-4.86E-05	0.000258	0.85
rs10858246	C	G	C	G	9	-0.0188	0.002	2.35E-20		-9.75E-05	0.000265	0.709999
rs10864899	G	A	G	A	2	-0.0112	0.0019	3.85E-09		-0.00021	0.00025	0.4
rs10922475	A	C	A	C	1	0.0159	0.0019	2.17E-17		0.000365	0.000247	0.14
rs10948	T	G	T	G	19	-0.0252	0.002	3.43E-36		-0.00027	0.000261	0.29
rs10962212	C	G	C	G	9	0.0143	0.0019	7.47E-14		0.000121	0.00025	0.630001
rs10975935	G	A	G	A	9	-0.0121	0.0022	4.15E-08		-0.00011	0.000287	0.69
rs10982888	A	T	A	T	9	-0.0328	0.003	3.97E-28		0.000321	0.000388	0.41
rs11014285	A	G	A	G	10	0.0342	0.0026	2.89E-40		-0.00103	0.000337	0.0022

rs11042717	C	T	C	T	11	-0.029	0.0019	4.04E-53		-5.79E-05	0.000246	0.81
rs11049704	G	C	G	C	12	-0.0183	0.0021	1.10E-18		-0.00013	0.000271	0.64
rs11060942	A	G	A	G	12	-0.0354	0.0052	7.49E-12		0.000313	0.000675	0.64
rs11070842	C	T	C	T	15	-0.0146	0.0026	1.30E-08		0.000226	0.000335	0.5
rs11098677	T	G	T	G	4	-0.0263	0.0023	3.94E-30		-0.00031	0.000301	0.31
rs11121615	T	C	T	C	1	-0.0202	0.002	3.32E-23		1.33E-05	0.000268	0.96
rs111365325	T	C	T	C	5	-0.0271	0.0022	1.12E-33		-0.00018	0.000293	0.55
rs111612346	ATTCTT	A	ATTCTT	A	4	-0.0138	0.002	4.25E-12		-0.00015	0.000259	0.56
rs111622870	C	T	C	T	4	-0.0282	0.0044	1.86E-10		-1.13E-05	0.000576	0.98
rs11175919	A	G	A	G	12	0.0349	0.0059	3.16E-09		0.000552	0.000769	0.47
rs11187838	A	G	A	G	10	0.0394	0.0019	1.16E-94		0.00043	0.000249	0.084
rs11191208	A	G	A	G	10	0.0147	0.0024	3.69E-10		-0.00069	0.000306	0.025
rs11198591	A	G	A	G	10	0.0148	0.002	4.91E-14		-0.00025	0.000256	0.34
rs11210892	A	G	A	G	1	0.0118	0.002	3.57E-09		-0.00026	0.000262	0.33
rs112153300	A	G	A	G	21	0.0261	0.0034	7.05E-15		-0.00057	0.000434	0.19
rs11217863	A	G	A	G	11	-0.0268	0.003	1.06E-19		0.000648	0.000384	0.091
rs11221657	G	T	G	T	11	0.0179	0.0028	1.21E-10		-0.00016	0.000361	0.66
rs11233117	G	C	G	C	11	-0.0176	0.0019	1.74E-20		0.000312	0.000248	0.21
rs112537273	C	T	C	T	8	-0.0212	0.0022	3.34E-21		0.000115	0.000293	0.69
rs11260035	A	G	A	G	19	0.015	0.0021	1.86E-12		0.000389	0.000276	0.16
rs11260623	T	G	T	G	1	0.0117	0.0019	4.86E-10		0.000223	0.000247	0.37
rs112873218	T	C	T	C	11	0.0216	0.0031	4.02E-12		0.000317	0.000405	0.43
rs113107560	G	T	G	T	1	-0.019	0.0019	6.99E-23		-2.45E-05	0.000254	0.92
rs113289555	T	G	T	G	4	-0.0206	0.0023	7.33E-20		-0.00108	0.000296	0.00025
rs113478686	CT	C	CT	C	16	-0.0244	0.0023	3.76E-27		0.000489	0.000295	0.097

rs113671109	C	T	C	T	3	-0.015	0.0023	4.23E-11		-4.94E-05	0.000298	0.87
rs11373507	GA	G	GA	G	19	-0.0113	0.002	1.12E-08		6.92E-05	0.000257	0.79
rs113827862	C	T	C	T	14	-0.0235	0.004	4.67E-09		0.000576	0.000522	0.27
rs113898003	C	T	C	T	6	-0.036	0.0021	1.19E-63		-2.61E-05	0.00028	0.93
rs11424084	CA	C	CA	C	10	0.0228	0.0027	7.24E-17		8.57E-05	0.000356	0.81
rs11461979	TA	T	TA	T	3	0.0143	0.0022	9.80E-11		-0.0001	0.000288	0.73
rs11580040	G	A	G	A	1	0.0325	0.0035	6.76E-21		-0.00028	0.000455	0.54
rs11590254	T	A	T	A	1	0.0186	0.002	4.34E-20		1.38E-06	0.000267	1
rs115912456	G	A	G	A	5	0.0577	0.0047	3.69E-34		-0.00012	0.000618	0.85
rs116008080	A	G	A	G	16	-0.0415	0.0063	4.06E-11		0.000141	0.000812	0.86
rs116052377	A	G	A	G	4	0.0225	0.0035	7.89E-11		-0.00019	0.000452	0.68
rs11605297	A	G	A	G	11	0.0146	0.0022	8.03E-11		-0.00011	0.000292	0.7
rs11612462	G	T	G	T	12	0.015	0.0025	2.55E-09		-0.00052	0.000329	0.11
rs11633371	T	G	T	G	15	0.0216	0.0019	7.49E-30		2.90E-05	0.000247	0.91
rs116339650	G	A	G	A	4	-0.0175	0.0029	1.05E-09		-0.00033	0.000374	0.38
rs116493405	A	G	A	G	3	0.0287	0.0042	9.52E-12		0.000183	0.000552	0.74
rs11672848	T	C	T	C	19	-0.0171	0.0019	7.73E-19		-5.96E-05	0.00025	0.81
rs11684531	G	A	G	A	2	-0.0172	0.0028	4.17E-10		0.000745	0.000363	0.04
rs1168768	T	C	T	C	12	0.0332	0.006	3.61E-08		-0.00069	0.000787	0.38
rs116919274	A	G	A	G	19	0.0271	0.0046	3.52E-09		0.000722	0.000595	0.22
rs117068593	T	C	T	C	14	0.0403	0.0024	8.83E-62		0.00045	0.000315	0.15
rs117203652	A	G	A	G	19	-0.0346	0.0055	4.32E-10		-0.00087	0.000727	0.23
rs11720869	A	G	A	G	3	0.0141	0.002	2.54E-12		-0.00028	0.000263	0.29
rs11721522	G	A	G	A	4	0.0106	0.0019	4.03E-08		-0.00035	0.000252	0.16
rs11727162	T	C	T	C	4	-0.017	0.0019	2.15E-19		0.000226	0.000246	0.36

rs117335233	G	T	G	T	10	-0.0236	0.0042	2.56E-08		0.000874	0.000552	0.11
rs1177765	C	T	C	T	5	-0.0232	0.0019	1.32E-34		-0.00087	0.000247	0.00041
rs11778491	C	G	C	G	8	-0.0247	0.0022	8.39E-30		0.000312	0.000284	0.27
rs117818446	A	G	A	G	8	0.0423	0.0068	5.29E-10		0.000872	0.000887	0.33
rs117972846	G	T	G	T	17	0.0335	0.0057	5.47E-09		-0.00192	0.00075	0.011
rs11867855	T	G	T	G	17	-0.0132	0.0022	2.93E-09		-0.00039	0.000289	0.18
rs1190540	G	A	G	A	14	0.0125	0.0021	1.62E-09		-4.70E-05	0.000269	0.86
rs11959466	T	C	T	C	5	0.038	0.0042	2.24E-19		-0.00044	0.000554	0.43
rs1202186	T	C	T	C	7	-0.012	0.002	1.65E-09		-0.00012	0.000259	0.630001
rs12074850	G	A	G	A	1	0.0393	0.0033	2.72E-33		0.000235	0.000431	0.59
rs1209669	A	G	A	G	12	0.0331	0.002	1.39E-58		-0.0003	0.000268	0.27
rs12150907	A	G	A	G	19	-0.0219	0.0024	7.22E-20		4.54E-05	0.000311	0.88
rs12185775	C	G	C	G	20	-0.0167	0.003	3.66E-08		-0.00061	0.000395	0.12
rs12188208	C	A	C	A	5	-0.0195	0.0022	1.40E-18		-0.00011	0.000291	0.709999
rs12230946	A	G	A	G	12	0.0271	0.0033	1.45E-16		0.000247	0.000429	0.57
rs12334478	G	C	G	C	8	-0.0161	0.0019	2.27E-17		-0.00023	0.000247	0.35
rs12340775	A	G	A	G	9	-0.0287	0.0043	1.73E-11		-0.00057	0.000555	0.31
rs12344515	T	C	T	C	9	-0.0163	0.0022	2.28E-13		0.000198	0.000289	0.49
rs12351226	T	C	T	C	9	0.0218	0.0025	9.13E-18		0.0005	0.000332	0.13
rs12461874	A	C	A	C	19	-0.0181	0.0021	1.26E-17		8.03E-05	0.000275	0.77
rs12483401	C	T	C	T	21	-0.0387	0.0067	9.22E-09		-0.00054	0.000878	0.54
rs12512942	A	G	A	G	4	-0.0162	0.002	1.58E-16		0.000142	0.000256	0.58
rs12517711	C	T	C	T	5	-0.0147	0.0019	2.79E-14		0.000227	0.000253	0.37
rs12519407	C	A	C	A	5	0.0181	0.0022	3.38E-17		0.000337	0.000281	0.23
rs12533452	T	C	T	C	7	0.0237	0.0026	1.31E-19		4.53E-05	0.000341	0.89

rs12536902	A	C	A	C	7	0.0479	0.0081	3.66E-09		-0.0004	0.001064	0.709999
rs12541381	A	G	A	G	8	-0.0319	0.0022	2.81E-49		-5.72E-06	0.000282	0.98
rs12563442	C	T	C	T	1	0.0122	0.0021	9.93E-09		0.000152	0.000281	0.59
rs1260326	C	T	C	T	2	0.0323	0.0019	6.16E-64		-0.00022	0.000252	0.38
rs12616192	A	G	A	G	2	-0.0261	0.0038	6.83E-12		-0.00025	0.000499	0.62
rs12655296	T	C	T	C	5	-0.011	0.002	1.62E-08		-0.0003	0.000255	0.23
rs12672217	A	G	A	G	7	0.0139	0.002	1.33E-12		0.000146	0.000257	0.57
rs12702693	T	C	T	C	7	0.0173	0.0019	6.56E-20		0.000263	0.000247	0.29
rs12713004	G	A	G	A	2	0.0367	0.0021	2.40E-68		0.000228	0.000276	0.41
rs12724708	T	A	T	A	1	0.0243	0.002	1.66E-35		-0.00012	0.000258	0.649999
rs12773500	T	C	T	C	10	0.0171	0.0028	5.05E-10		0.000154	0.000358	0.67
rs12831751	C	A	C	A	12	0.0172	0.0021	1.57E-16		0.000399	0.000273	0.14
rs12882130	G	C	G	C	14	-0.0202	0.002	1.88E-24		6.28E-05	0.000257	0.81
rs12907139	A	G	A	G	15	-0.0149	0.0019	4.89E-15		-0.00032	0.000247	0.19
rs1290786	T	C	T	C	3	-0.0143	0.0019	7.14E-14		-4.92E-05	0.000249	0.84
rs12909863	C	G	C	G	15	0.0189	0.0022	6.05E-18		-0.00015	0.000283	0.59
rs1291114	C	G	C	G	20	0.0173	0.0031	1.95E-08		-0.00025	0.0004	0.54
rs12926103	A	G	A	G	16	0.0272	0.0038	9.60E-13		0.000398	0.000497	0.42
rs12962050	A	G	A	G	18	0.0153	0.002	1.52E-14		-0.00044	0.000258	0.09
rs12997625	T	C	T	C	2	-0.017	0.0019	1.50E-19		0.000202	0.000247	0.41
rs13037813	C	T	C	T	20	0.0292	0.0022	1.71E-39		0.000143	0.000289	0.62
rs13103161	A	T	A	T	4	-0.0284	0.0019	2.38E-48		-0.00034	0.000253	0.18
rs13109280	G	A	G	A	4	0.0131	0.002	9.15E-11		0.000354	0.000264	0.18
rs13123591	G	T	G	T	4	0.0185	0.002	2.35E-20		7.39E-05	0.000261	0.780001
rs13127468	A	C	A	C	4	-0.0123	0.0019	9.86E-11		-5.54E-05	0.000248	0.82

rs1319012	A	T	A	T	6	-0.052	0.0037	3.30E-45		-0.00031	0.000483	0.52
rs13209685	T	G	T	G	6	0.0277	0.0026	7.49E-27		0.000545	0.000337	0.11
rs1324538	A	T	A	T	6	0.0237	0.0019	1.73E-34		0.00029	0.000253	0.25
rs1325596	A	G	A	G	1	0.0287	0.0019	2.77E-52		0.000149	0.000248	0.55
rs1330826	C	G	C	G	9	0.0162	0.0023	1.04E-12		-3.67E-05	0.000297	0.9
rs13316	A	C	A	C	14	0.0115	0.0019	3.66E-09		9.29E-05	0.000253	0.709999
rs13391980	A	G	A	G	2	-0.0225	0.0029	7.60E-15		0.000423	0.000382	0.27
rs1340022	C	T	C	T	8	0.0118	0.0019	4.47E-10		0.000103	0.000247	0.68
rs1341215	A	G	A	G	9	0.0229	0.0027	6.32E-17		0.000255	0.000357	0.47
rs13430869	T	G	T	G	2	0.0272	0.0021	6.37E-37		0.000365	0.000281	0.19
rs139163241	G	T	G	T	7	-0.0164	0.0027	1.79E-09		0.000707	0.000357	0.048
rs139921635	T	G	T	G	4	0.0385	0.0062	6.16E-10		0.000512	0.000813	0.53
rs140440099	A	G	A	G	3	0.0613	0.0063	1.45E-22		-0.00013	0.000821	0.87
rs1405227	A	G	A	G	1	0.0129	0.002	1.57E-10		-9.40E-05	0.000266	0.719999
rs140657345	TCCTC	T	TCCTC	T	15	-0.02	0.0022	5.53E-20		-0.00051	0.000284	0.072
rs143076454	A	G	A	G	16	-0.0499	0.007	1.06E-12		0.000964	0.000916	0.29
rs143384	G	A	G	A	20	0.0725	0.0019	1.00E-200		0.000223	0.000251	0.38
rs143554698	T	C	T	C	9	-0.0257	0.0027	3.39E-21		0.000588	0.000355	0.098001
rs144109601	A	C	A	C	13	-0.0278	0.0048	5.15E-09		-0.00021	0.000614	0.73
rs144343497	TA	T	TA	T	2	-0.0134	0.0023	5.06E-09		-0.00015	0.000302	0.62
rs1443536	G	A	G	A	4	0.0218	0.0021	1.91E-26		0.000416	0.000268	0.12
rs1444628	T	C	T	C	12	0.024	0.002	6.85E-32		-0.00015	0.000267	0.56
rs144622623	GGTGTGTG TGT	G	GGTGTGT GTGT	G	5	0.0145	0.0022	4.67E-11		0.000254	0.000288	0.38
rs144627572	A	G	A	G	2	0.0439	0.0053	1.30E-16		0.000911	0.000696	0.19

rs145126099	TTGTCAGG TCTTTGTG GTGAGCTG AATTC	T	TTGTCAG GTCTTTG TGGTGAG CTGAATT C	T	4	-0.0126	0.0019	3.29E-11		-0.00048	0.000248	0.051
rs147110934	T	G	T	G	19	-0.0722	0.0062	9.39E-32		9.35E-05	0.000793	0.91
rs147233090	T	C	T	C	15	-0.0446	0.0061	3.95E-13		-0.00057	0.000797	0.48
rs1472852	A	C	A	C	4	-0.0638	0.0026	8.22E-135		-0.00046	0.000337	0.17
rs1478575	A	T	A	T	2	0.0312	0.002	5.20E-54		0.000368	0.000266	0.17
rs150188352	CAAT	C	CAAT	C	1	0.0305	0.0024	8.43E-38		-0.00039	0.000312	0.21
rs151123488	CTGTGTGT GTG	C	CTGTGTG TGTG	C	18	0.0178	0.0029	5.07E-10		0.000137	0.000371	0.709999
rs1514134	C	T	C	T	1	-0.0114	0.0019	3.57E-09		0.000199	0.000253	0.43
rs1556659	T	C	T	C	10	0.0163	0.002	7.19E-17		7.64E-05	0.000255	0.760001
rs1584011	G	T	G	T	11	0.0159	0.002	9.78E-16		0.000285	0.000257	0.27
rs16989695	A	G	A	G	19	-0.0139	0.0019	1.93E-13		-0.0002	0.000246	0.41
rs17197114	C	T	C	T	14	0.0177	0.0025	1.54E-12		-0.00021	0.000325	0.52
rs17205463	T	C	T	C	15	-0.0263	0.0019	4.21E-43		-0.00017	0.000248	0.5
rs17246129	A	G	A	G	2	0.0254	0.002	1.27E-35		-0.00018	0.000268	0.49
rs17278379	C	T	C	T	1	0.0226	0.0029	2.40E-15		-0.0004	0.000376	0.29
rs1730028	G	T	G	T	3	0.0131	0.0019	7.39E-12		-0.00024	0.00025	0.34
rs173135	T	C	T	C	17	-0.0341	0.003	3.25E-30		-0.00017	0.000388	0.649999
rs17400325	C	T	C	T	2	0.0345	0.0047	2.10E-13		0.000108	0.000617	0.86
rs17478946	G	A	G	A	12	-0.0192	0.0021	9.98E-21		0.000173	0.000269	0.52
rs17681189	A	C	A	C	2	-0.0131	0.0019	5.82E-12		0.000611	0.00025	0.014

rs17718736	A	C	A	C	3	0.0115	0.002	1.39E-08		0.000306	0.000265	0.25
rs177591	G	C	G	C	7	-0.0191	0.0027	1.51E-12		-5.44E-05	0.000354	0.88
rs17773965	T	C	T	C	2	-0.0163	0.0027	1.51E-09		-0.00023	0.000356	0.52
rs17818592	C	T	C	T	16	-0.0129	0.0019	1.23E-11		-0.00015	0.000248	0.56
rs1786263	T	G	T	G	18	-0.019	0.0019	1.03E-22		-4.55E-05	0.000252	0.86
rs1797070	A	G	A	G	1	0.0219	0.0021	4.93E-25		-0.00019	0.000279	0.5
rs1823217	G	A	G	A	3	-0.0181	0.002	4.06E-20		-0.00034	0.000258	0.19
rs182798714	T	A	T	A	3	0.0376	0.0062	1.45E-09		-2.46E-05	0.00082	0.98
rs1880318	A	G	A	G	7	0.0147	0.0024	6.86E-10		8.52E-06	0.000311	0.98
rs1899040	T	C	T	C	2	0.0152	0.0023	9.04E-11		-0.00012	0.000308	0.7
rs190823861	A	G	A	G	4	-0.0345	0.0045	2.09E-14		-8.54E-06	0.000591	0.99
rs1933081	A	T	A	T	6	0.0267	0.0034	5.33E-15		-0.00111	0.000444	0.013
rs199647708	A	G	A	G	2	0.0114	0.0019	3.43E-09		-9.15E-06	0.000254	0.97
rs200091076	GT	G	GT	G	1	-0.0117	0.002	6.92E-09		7.08E-05	0.000267	0.79
rs200439	C	A	C	A	1	-0.0128	0.0023	1.51E-08		4.60E-05	0.000297	0.88
rs201570119	C	T	C	T	2	0.0194	0.0023	5.48E-17		-0.00015	0.000305	0.62
rs2019203	A	C	A	C	17	0.0189	0.0019	1.84E-23		-0.00042	0.000246	0.088
rs2025609	G	C	G	C	1	0.0186	0.0026	2.00E-12		-0.00017	0.000348	0.62
rs2025808	A	C	A	C	1	0.0122	0.0022	1.72E-08		0.000308	0.000284	0.28
rs2035901	G	A	G	A	4	0.024	0.0019	9.43E-37		-4.15E-05	0.000247	0.87
rs2070598	A	G	A	G	14	0.0204	0.0019	6.36E-27		0.000124	0.000247	0.62
rs2089111	G	C	G	C	12	-0.0172	0.0022	1.73E-15		-6.50E-05	0.000283	0.82
rs2101017	T	C	T	C	12	-0.0223	0.0028	1.44E-15		-5.33E-05	0.000366	0.88
rs2105333	G	T	G	T	6	-0.019	0.002	1.70E-21		-0.00021	0.000262	0.41
rs2112617	A	G	A	G	17	-0.0167	0.0019	1.07E-18		0.000424	0.000247	0.086

rs212526	C	T	C	T	1	0.0214	0.0019	3.84E-29		-0.00031	0.000252	0.21
rs2138374	C	T	C	T	2	-0.0149	0.002	2.79E-13		-0.00016	0.000267	0.56
rs2140619	G	A	G	A	7	0.0113	0.0019	5.18E-09		-0.0002	0.000253	0.43
rs2142331	T	C	T	C	8	-0.0165	0.0019	1.38E-17		-0.0001	0.000252	0.69
rs2174008	C	G	C	G	15	-0.0192	0.0019	5.89E-24		-0.00068	0.000247	0.0059
rs2181834	T	G	T	G	10	0.0254	0.0019	7.69E-41		0.000101	0.000248	0.68
rs2188805	C	A	C	A	7	0.0114	0.002	2.00E-08		-0.00013	0.000266	0.630001
rs2209098	C	T	C	T	1	0.024	0.002	1.73E-32		0.000258	0.000267	0.33
rs2212926	A	C	A	C	21	-0.022	0.0023	7.75E-21		0.000236	0.000303	0.44
rs2229840	T	C	T	C	12	0.0341	0.0026	3.02E-40		0.000535	0.000336	0.11
rs2230033	A	G	A	G	21	-0.0265	0.0019	3.49E-43		0.000199	0.000249	0.42
rs2236096	C	T	C	T	20	0.018	0.0023	1.29E-15		0.000253	0.000293	0.39
rs2237485	A	G	A	G	7	0.0191	0.0023	3.73E-17		1.77E-05	0.000296	0.95
rs2240735	T	C	T	C	16	0.0189	0.0022	3.99E-18		-0.0002	0.000283	0.48
rs2268718	T	C	T	C	6	0.0141	0.0021	3.24E-11		2.09E-05	0.000278	0.94
rs2270894	G	C	G	C	3	-0.0332	0.0024	1.25E-42		-0.00036	0.000318	0.26
rs2274351	T	C	T	C	10	0.017	0.0019	3.07E-19		-0.00012	0.000247	0.64
rs2283200	T	C	T	C	11	-0.0281	0.0042	1.48E-11		-0.00052	0.00054	0.34
rs2287821	T	C	T	C	19	-0.0153	0.0019	6.95E-16		-0.00019	0.000247	0.44
rs2289629	A	G	A	G	17	-0.0148	0.002	8.02E-14		0.000307	0.000259	0.24
rs2296316	C	T	C	T	14	-0.0192	0.0019	1.59E-23		0.00016	0.000249	0.52
rs2324154	A	C	A	C	4	0.015	0.0019	1.92E-15		-0.00034	0.000247	0.17
rs2347603	A	T	A	T	2	-0.0181	0.0022	5.65E-17		-0.00026	0.000284	0.36
rs2347808	A	G	A	G	18	-0.0125	0.0019	5.79E-11		-4.68E-05	0.000246	0.85
rs2390669	C	A	C	A	2	0.0174	0.0028	7.00E-10		1.73E-05	0.000371	0.96

rs244711	T	C	T	C	5	0.0279	0.0022	1.54E-37		0.000269	0.000285	0.35
rs2454390	C	T	C	T	12	-0.0176	0.0026	1.74E-11		-8.01E-05	0.000342	0.81
rs246177	T	C	T	C	16	0.0214	0.002	2.04E-27		-0.00036	0.000257	0.16
rs2490302	A	T	A	T	10	0.0221	0.0034	6.24E-11		0.000163	0.000441	0.709999
rs249677	A	C	A	C	5	-0.0109	0.002	2.40E-08		-4.13E-05	0.000256	0.87
rs2521349	A	G	A	G	17	0.0155	0.0019	2.01E-15		-6.21E-05	0.000254	0.81
rs2529090	G	C	G	C	7	0.0136	0.0025	3.39E-08		-9.93E-05	0.000321	0.760001
rs2545339	G	A	G	A	5	0.0115	0.002	3.48E-09		-4.96E-05	0.000255	0.85
rs2592208	A	C	A	C	17	-0.0124	0.0019	5.52E-11		0.000224	0.000247	0.36
rs2607234	G	A	G	A	19	-0.0302	0.0043	2.00E-12		0.000784	0.000558	0.16
rs261223	C	A	C	A	5	0.0175	0.0019	2.30E-19		-0.0002	0.000255	0.44
rs2648725	A	T	A	T	10	0.0165	0.0023	8.20E-13		0.000106	0.000301	0.73
rs2663126	A	G	A	G	15	-0.0139	0.0021	1.36E-11		-0.00011	0.000267	0.68
rs2676298	T	C	T	C	17	-0.0269	0.0027	2.39E-23		-0.00035	0.000352	0.32
rs2717008	C	T	C	T	2	-0.0127	0.0019	4.99E-11		-7.60E-05	0.000253	0.760001
rs2754255	G	A	G	A	6	-0.0153	0.0023	1.05E-11		4.46E-05	0.000295	0.88
rs2763263	A	T	A	T	6	-0.017	0.0022	1.37E-14		-0.00011	0.000289	0.7
rs2764264	T	C	T	C	6	0.0203	0.0021	5.07E-23		0.000566	0.000268	0.035
rs2788213	A	G	A	G	6	0.0123	0.0021	3.80E-09		8.98E-05	0.000272	0.74
rs2789365	T	C	T	C	1	-0.0145	0.0019	1.14E-14		0.000165	0.000247	0.5
rs2791654	A	G	A	G	1	-0.0239	0.0022	1.21E-28		0.000236	0.000283	0.41
rs2812208	C	G	C	G	13	0.1156	0.0066	5.51E-68		-0.00158	0.000861	0.066999
rs28379706	C	T	C	T	22	0.0114	0.002	4.49E-09		0.000288	0.000252	0.25
rs28485212	T	C	T	C	17	-0.0188	0.0027	1.24E-12		0.000182	0.000346	0.6
rs28529055	T	G	T	G	14	-0.0147	0.0019	1.88E-14		0.000124	0.000249	0.62

rs28529426	T	C	T	C	7	-0.0168	0.0026	5.82E-11		0.000266	0.000335	0.43
rs28592876	A	G	A	G	12	0.03	0.0023	9.09E-38		0.000218	0.000306	0.48
rs28678024	G	A	G	A	14	-0.0119	0.0021	1.90E-08		-0.00025	0.000274	0.36
rs2871865	G	C	G	C	15	-0.0493	0.003	3.40E-62		0.000115	0.000384	0.760001
rs2871960	C	A	C	A	3	0.0469	0.0019	2.17E-135		0.00027	0.000248	0.28
rs28736838	T	C	T	C	1	-0.0117	0.002	1.07E-08		-1.30E-05	0.000269	0.96
rs2885697	T	G	T	G	1	-0.0323	0.002	9.21E-60		-0.00021	0.000261	0.43
rs2923411	C	T	C	T	8	0.0127	0.0019	4.77E-11		0.000259	0.000251	0.3
rs2925155	T	C	T	C	8	-0.015	0.0022	5.47E-12		-8.24E-05	0.000283	0.77
rs293517	C	T	C	T	6	-0.013	0.0021	2.80E-10		-2.78E-05	0.00027	0.92
rs2971857	A	G	A	G	2	-0.0119	0.0019	3.70E-10		0.000206	0.000251	0.41
rs301807	G	A	G	A	1	-0.0144	0.0019	2.53E-14		-7.52E-05	0.00025	0.760001
rs3033487	TCC	T	TCC	T	1	0.0153	0.0024	1.93E-10		6.78E-05	0.000316	0.83
rs3063063	TGAA	T	TGAA	T	2	-0.0182	0.002	2.57E-19		0.000278	0.000267	0.3
rs3103223	C	T	C	T	4	0.0126	0.0022	6.02E-09		0.000125	0.000283	0.66
rs310796	T	G	T	G	12	0.0142	0.002	2.53E-12		-0.00049	0.000265	0.065
rs3116602	G	T	G	T	13	-0.0612	0.0023	9.53E-155		-0.00029	0.0003	0.33
rs31196	A	C	A	C	5	-0.0107	0.0019	2.07E-08		0.000219	0.000249	0.38
rs3184504	C	T	C	T	12	0.0183	0.0019	2.71E-22		-6.78E-05	0.000246	0.780001
rs3205136	A	C	A	C	9	-0.0184	0.0033	1.85E-08		7.93E-06	0.000424	0.99
rs331917	G	A	G	A	5	-0.0127	0.0019	3.54E-11		0.000226	0.000251	0.37
rs332116	T	C	T	C	10	-0.0206	0.0021	2.89E-22		0.000316	0.000277	0.25
rs336630	T	C	T	C	3	-0.0106	0.0019	2.90E-08		1.02E-05	0.00025	0.97
rs33973388	T	G	T	G	18	0.0249	0.0019	1.45E-38		0.000166	0.000248	0.5
rs33986149	CA	C	CA	C	5	-0.0154	0.0019	2.23E-15		-0.00017	0.000253	0.5

rs34312629	G	C	G	C	3	-0.017	0.0021	2.12E-15		-0.00028	0.000281	0.32
rs34313173	TA	T	TA	T	5	-0.0284	0.0019	3.17E-50		-0.00029	0.000249	0.24
rs34338597	G	A	G	A	12	-0.0112	0.0019	7.88E-09		-0.00027	0.000253	0.29
rs34345560	A	G	A	G	11	0.0219	0.0024	7.10E-20		0.00011	0.000313	0.719999
rs34390533	A	C	A	C	3	-0.0257	0.0022	6.69E-32		-4.00E-05	0.000287	0.89
rs34517439	A	C	A	C	1	0.0421	0.0029	5.80E-48		0.000573	0.000382	0.13
rs34522021	T	C	T	C	9	0.0126	0.0019	3.38E-11		0.00085	0.000248	0.0006
rs34548509	GA	G	GA	G	4	0.0118	0.002	3.20E-09		7.56E-05	0.000261	0.77
rs34776209	T	C	T	C	7	-0.0317	0.0022	1.78E-47		0.000258	0.000286	0.37
rs34788019	CA	C	CA	C	2	-0.0139	0.0019	2.84E-13		-0.00038	0.00025	0.13
rs34879158	C	A	C	A	20	-0.0363	0.0022	1.55E-63		0.000254	0.000281	0.37
rs350832	A	G	A	G	19	-0.0165	0.0023	3.44E-13		-0.00025	0.000295	0.4
rs35086476	GA	G	GA	G	8	0.0109	0.0019	8.43E-09		-0.00017	0.000246	0.48
rs35166681	TA	T	TA	T	6	0.0214	0.0026	1.55E-16		-0.00032	0.000339	0.35
rs35223841	GAA	G	GAA	G	2	0.0106	0.0019	4.25E-08		0.00014	0.000256	0.58
rs35230100	CATAT	C	CATAT	C	14	-0.0262	0.002	4.42E-40		1.99E-05	0.000257	0.94
rs35288270	C	T	C	T	10	-0.0328	0.0028	3.43E-32		0.000165	0.000362	0.649999
rs35631698	GC	G	GC	G	21	0.0145	0.002	2.59E-13		-0.00043	0.000257	0.094001
rs35732917	C	T	C	T	7	0.0204	0.0021	2.08E-22		8.87E-05	0.000273	0.74
rs35756741	T	C	T	C	12	-0.0378	0.0033	5.80E-31		-0.00047	0.000427	0.28
rs35811052	G	A	G	A	16	-0.0148	0.0022	8.84E-12		2.61E-05	0.000282	0.93
rs35963161	A	G	A	G	20	-0.0157	0.0019	7.46E-16		0.000229	0.000253	0.37
rs36000545	G	A	G	A	17	-0.022	0.002	2.56E-29		-0.0003	0.000256	0.24
rs36012032	A	C	A	C	3	0.0298	0.0033	9.93E-20		-5.32E-06	0.00043	0.99
rs36016415	AC	A	AC	A	15	-0.0275	0.0019	3.22E-47		-0.00015	0.000248	0.54

rs36048468	T	C	T	C	5	0.0254	0.0023	9.34E-28		-0.0002	0.000304	0.51
rs36052389	AT	A	AT	A	4	0.0132	0.0019	5.27E-12		-4.27E-05	0.000249	0.86
rs36226649	C	T	C	T	14	0.0485	0.0038	3.05E-37		0.000799	0.000496	0.11
rs3764002	T	C	T	C	12	0.028	0.0021	4.47E-39		0.000494	0.00028	0.077999
rs3768495	T	C	T	C	1	-0.0178	0.0021	1.07E-17		0.000225	0.000274	0.41
rs3769598	G	A	G	A	2	0.0171	0.0027	1.32E-10		-0.0002	0.000351	0.58
rs377599	T	C	T	C	1	0.0217	0.0019	3.50E-29		-4.90E-05	0.000254	0.85
rs3778858	T	G	T	G	7	0.0108	0.002	4.26E-08		-0.00028	0.000257	0.27
rs3782232	A	G	A	G	12	-0.0339	0.0037	2.41E-20		-5.82E-05	0.000483	0.9
rs3782811	A	C	A	C	12	-0.0165	0.0022	3.96E-14		2.98E-05	0.000285	0.92
rs3792819	G	A	G	A	5	0.021	0.0034	4.42E-10		0.000344	0.00044	0.43
rs3818416	C	A	C	A	13	0.0279	0.0022	2.01E-35		-4.27E-05	0.000291	0.88
rs3828729	G	A	G	A	6	-0.016	0.002	4.67E-15		0.000175	0.000268	0.51
rs3901421	C	G	C	G	9	0.0215	0.0019	7.55E-30		-0.00049	0.000247	0.047
rs395980	G	T	G	T	4	-0.0184	0.0021	1.02E-17		0.000396	0.00028	0.16
rs40270	C	A	C	A	5	0.0151	0.0022	1.90E-11		0.000204	0.000293	0.49
rs4073154	G	A	G	A	3	0.0274	0.0023	1.92E-33		8.66E-06	0.000298	0.98
rs4076108	T	A	T	A	3	0.0174	0.0022	2.30E-15		5.91E-05	0.000287	0.84
rs4077103	A	C	A	C	8	-0.0143	0.0026	4.18E-08		0.000298	0.00034	0.38
rs4121583	T	C	T	C	18	0.0118	0.002	4.62E-09		-0.00034	0.000262	0.19
rs41311445	C	A	C	A	22	-0.0328	0.0032	4.73E-24		-9.65E-05	0.000421	0.82
rs42039	T	C	T	C	7	0.0481	0.0022	3.53E-106		0.000281	0.000287	0.33
rs4244809	A	G	A	G	11	-0.0262	0.0023	5.55E-29		-0.00043	0.000306	0.16
rs4252548	T	C	T	C	19	-0.0753	0.0065	2.96E-31		1.34E-05	0.000844	0.99
rs4282339	A	G	A	G	5	-0.0311	0.0023	6.16E-41		0.000338	0.000304	0.27

rs4287835	C	T	C	T	20	0.0147	0.0019	9.94E-15		0.000101	0.000247	0.68
rs4380799	G	T	G	T	6	-0.0255	0.0021	6.45E-33		2.61E-05	0.000279	0.93
rs4383083	A	G	A	G	15	0.0111	0.002	2.91E-08		-9.21E-05	0.000261	0.719999
rs447352	T	C	T	C	5	-0.0181	0.0029	6.62E-10		-0.0001	0.000381	0.79
rs4504126	C	A	C	A	3	0.046	0.0058	1.62E-15		0.000645	0.000761	0.4
rs45474992	T	C	T	C	19	-0.0617	0.0051	2.17E-33		0.000647	0.000667	0.33
rs45528934	T	C	T	C	14	0.0262	0.0026	1.97E-24		8.48E-05	0.000334	0.8
rs4602848	G	A	G	A	8	0.016	0.002	3.14E-15		-0.00045	0.000264	0.092001
rs4622329	A	G	A	G	12	0.0149	0.002	8.62E-14		7.75E-05	0.00026	0.77
rs4640244	G	A	G	A	17	-0.02	0.0019	3.81E-25		0.000109	0.000252	0.67
rs4644481	T	C	T	C	1	-0.0112	0.0019	3.54E-09		7.64E-05	0.00025	0.760001
rs4655345	G	A	G	A	1	-0.0246	0.0019	5.81E-38		0.000272	0.000252	0.28
rs4682483	A	G	A	G	3	-0.0165	0.0026	2.65E-10		-1.57E-05	0.000342	0.96
rs4683435	G	A	G	A	3	0.0144	0.0022	1.60E-10		2.87E-05	0.000294	0.92
rs4735761	C	A	C	A	8	0.0331	0.0021	3.66E-56		0.000175	0.000272	0.52
rs4748008	C	T	C	T	10	-0.0125	0.0019	8.95E-11		-7.59E-05	0.000251	0.760001
rs4752689	A	G	A	G	10	0.0205	0.0019	1.36E-26		-7.30E-06	0.00025	0.98
rs4752829	A	G	A	G	11	0.0262	0.0021	5.90E-36		-1.79E-05	0.000274	0.95
rs4788218	C	T	C	T	16	0.0275	0.0019	5.52E-46		5.14E-05	0.000252	0.84
rs4807472	C	T	C	T	19	-0.0158	0.002	8.18E-15		0.000171	0.000264	0.52
rs4815952	C	T	C	T	20	-0.0161	0.0019	1.24E-16		0.00011	0.000252	0.66
rs4818280	T	C	T	C	21	-0.0124	0.002	2.84E-10		3.94E-05	0.000255	0.88
rs4847378	T	G	T	G	1	0.0136	0.0019	1.64E-12		0.000223	0.000253	0.38
rs4852257	G	T	G	T	2	-0.0231	0.0019	6.21E-34		-0.00032	0.00025	0.2
rs4865956	A	T	A	T	5	-0.0258	0.0021	3.85E-36		0.000247	0.000269	0.36

rs488621	G	A	G	A	2	0.0191	0.0019	2.86E-24		-1.18E-05	0.000246	0.96
rs4932439	G	A	G	A	15	-0.0151	0.0025	1.43E-09		0.000288	0.000325	0.38
rs4938359	G	A	G	A	11	-0.0156	0.0024	3.24E-11		0.00026	0.000306	0.4
rs4940874	G	A	G	A	18	0.0148	0.0024	1.24E-09		0.000311	0.000316	0.33
rs4965298	T	C	T	C	15	-0.0119	0.0021	1.81E-08		0.000251	0.000274	0.36
rs496783	G	A	G	A	10	-0.0124	0.0019	8.13E-11		0.000193	0.000249	0.44
rs4976262	C	T	C	T	5	-0.0245	0.002	4.37E-33		-0.00013	0.000267	0.62
rs4985445	G	A	G	A	16	-0.0175	0.0019	3.30E-20		0.000104	0.000248	0.68
rs532499	C	T	C	T	13	-0.0127	0.0022	4.90E-09		0.000282	0.000282	0.32
rs543650	G	T	G	T	6	0.025	0.002	1.49E-37		-0.00031	0.000255	0.23
rs545104	C	T	C	T	11	0.0127	0.002	8.08E-11		-0.00031	0.000255	0.22
rs55852614	C	T	C	T	2	-0.0393	0.0022	3.29E-73		0.000368	0.000286	0.2
rs55872725	T	C	T	C	16	0.0222	0.0019	1.46E-30		0.000107	0.000251	0.67
rs56112295	T	C	T	C	14	0.0154	0.0024	1.12E-10		-0.0004	0.00031	0.2
rs56207600	A	G	A	G	11	0.0192	0.003	2.50E-10		0.000414	0.000395	0.29
rs56239180	G	T	G	T	3	-0.0459	0.0062	1.85E-13		-0.00049	0.000816	0.55
rs56363908	G	A	G	A	7	-0.0382	0.0047	3.88E-16		-0.00081	0.000609	0.18
rs568267	T	C	T	C	18	0.0122	0.0022	2.23E-08		-8.09E-05	0.000283	0.780001
rs57059662	C	T	C	T	5	0.0118	0.002	5.63E-09		0.000176	0.000266	0.51
rs5742915	C	T	C	T	15	0.0248	0.0019	9.33E-39		-7.17E-06	0.000247	0.98
rs57513571	T	C	T	C	17	-0.0191	0.0024	7.02E-16		0.000723	0.000309	0.019
rs5753518	A	G	A	G	22	0.0242	0.0033	5.04E-13		0.000424	0.000431	0.32
rs57696574	C	A	C	A	20	0.0173	0.002	4.50E-18		-0.00014	0.00026	0.58
rs577289	T	A	T	A	15	-0.0125	0.0021	5.39E-09		0.000252	0.000278	0.36
rs57791149	C	T	C	T	17	-0.0173	0.0019	3.26E-19		-0.0002	0.000251	0.42

rs5812543	GT	G	GT	G	15	0.0135	0.0021	2.65E-10		0.000149	0.000278	0.59
rs591668	A	G	A	G	3	-0.0174	0.0019	2.00E-19		-0.00015	0.000252	0.55
rs599004	T	C	T	C	6	-0.0157	0.0021	6.53E-14		-0.00025	0.000274	0.36
rs59950280	A	G	A	G	4	-0.0254	0.002	7.32E-36		4.49E-05	0.000265	0.87
rs59985551	T	C	T	C	2	-0.0313	0.0022	2.43E-44		-0.00044	0.000294	0.14
rs60142646	TC	T	AGGGGGG G	A	2	-0.0237	0.0042	2.49E-08		-0.00016	0.000552	0.780001
rs60142646	TC	T	TC	T	2	-0.0237	0.0042	2.49E-08		-0.00019	0.000557	0.73
rs6028716	A	G	A	G	20	-0.021	0.0022	4.58E-22		6.62E-05	0.000282	0.81
rs60408354	A	G	A	G	7	0.0259	0.0036	1.15E-12		-0.00035	0.000477	0.46
rs604723	C	T	C	T	11	-0.0166	0.0021	8.16E-15		-0.00011	0.000278	0.69
rs6054390	A	G	A	G	20	-0.0188	0.002	1.45E-21		0.000158	0.000255	0.54
rs6054491	G	C	G	C	20	-0.0142	0.0022	2.15E-10		-0.00072	0.00029	0.013
rs6066122	G	C	G	C	20	0.0127	0.0023	1.76E-08		-9.61E-05	0.000293	0.74
rs60804050	A	G	A	G	1	-0.0217	0.0021	5.01E-24		-9.63E-05	0.000282	0.73
rs6082354	C	A	C	A	20	-0.024	0.002	1.19E-32		0.000256	0.000261	0.33
rs610694	C	T	C	T	12	0.0136	0.0019	4.29E-13		-2.17E-05	0.000246	0.93
rs61397287	T	A	T	A	2	0.0235	0.0036	4.45E-11		-6.08E-05	0.000471	0.9
rs6142059	C	T	C	T	20	0.0116	0.0019	1.19E-09		0.000527	0.000247	0.033
rs61729527	T	C	T	C	8	-0.0346	0.0043	4.86E-16		-1.26E-05	0.000557	0.98
rs61732778	A	G	A	G	3	0.023	0.0037	3.13E-10		7.48E-05	0.00048	0.88
rs61827272	C	T	C	T	1	0.0144	0.0021	7.89E-12		-0.00035	0.000276	0.2
rs61919240	A	T	A	T	12	0.0137	0.002	9.77E-12		-0.00028	0.000263	0.29
rs61944841	A	G	A	G	13	0.0253	0.002	3.54E-37		0.000561	0.000258	0.03
rs62033029	A	G	A	G	16	-0.0141	0.0023	1.73E-09		0.00032	0.000303	0.29

rs62070319	T	C	T	C	16	-0.018	0.002	2.54E-20		0.00048	0.000254	0.059
rs62103240	A	G	A	G	18	0.0212	0.0037	1.40E-08		0.000401	0.000485	0.41
rs62106258	C	T	C	T	2	-0.0504	0.0044	6.45E-31		0.000129	0.00057	0.82
rs62143873	A	G	A	G	2	-0.0115	0.0019	1.19E-09		3.61E-05	0.000249	0.88
rs62370472	C	T	C	T	5	-0.0253	0.0023	1.45E-27		-0.00016	0.000304	0.6
rs62466110	C	T	C	T	7	-0.0371	0.0041	5.74E-20		0.000277	0.000529	0.6
rs62501195	C	A	C	A	8	-0.0198	0.0025	8.11E-15		0.00028	0.000333	0.4
rs62515437	T	G	T	G	8	0.0369	0.0023	8.79E-60		-8.19E-06	0.000296	0.98
rs62621812	A	G	A	G	7	0.0743	0.0069	3.16E-27		0.002274	0.000909	0.012
rs6470771	C	A	C	A	8	-0.0268	0.0025	1.54E-26		7.09E-05	0.000328	0.83
rs6502935	T	C	T	C	17	-0.0125	0.0022	6.31E-09		-0.00025	0.00028	0.37
rs650508	C	G	C	G	2	-0.013	0.002	1.86E-10		-0.00051	0.000269	0.06
rs6543146	G	T	G	T	2	0.0154	0.0019	4.19E-16		1.73E-05	0.000249	0.94
rs655113	C	T	C	T	6	0.0188	0.0021	7.42E-20		0.000358	0.000269	0.18
rs6570509	T	G	T	G	6	-0.0244	0.0021	1.27E-31		0.000348	0.000272	0.2
rs6582398	T	C	T	C	12	0.014	0.002	1.14E-12		0.000269	0.000258	0.3
rs6593210	A	G	A	G	7	0.0146	0.0024	4.88E-10		5.64E-05	0.000307	0.85
rs66579625	CT	C	CT	C	1	0.0178	0.0019	8.91E-21		-9.40E-05	0.000251	0.709999
rs6675858	T	C	T	C	1	-0.0137	0.0023	2.40E-09		1.78E-05	0.000301	0.95
rs6693481	C	T	C	T	1	-0.0143	0.002	2.21E-12		0.000166	0.000268	0.54
rs670318	C	T	C	T	1	0.0413	0.0044	2.52E-21		0.000117	0.000573	0.84
rs6721191	G	A	G	A	2	-0.0144	0.0019	3.17E-14		8.47E-05	0.00025	0.73
rs6738207	A	G	A	G	2	0.0127	0.0019	4.14E-11		-0.00062	0.000252	0.014
rs6739278	C	T	C	T	2	-0.021	0.0024	1.27E-18		-0.00048	0.000313	0.13
rs67551338	T	C	T	C	12	0.0576	0.004	1.04E-47		-0.00075	0.000521	0.15

rs6762851	C	T	C	T	3	-0.0218	0.002	1.50E-28		0.000293	0.000258	0.26
rs68049170	A	G	A	G	10	-0.0259	0.0021	2.69E-34		7.91E-06	0.000277	0.98
rs680882	G	T	G	T	7	0.0133	0.0022	1.98E-09		-0.00044	0.000289	0.12
rs6821305	C	A	C	A	4	0.0204	0.0019	3.15E-26		0.000478	0.000251	0.056999
rs684905	T	C	T	C	20	-0.0118	0.0019	7.10E-10		5.52E-05	0.00025	0.83
rs6849302	G	A	G	A	4	0.0155	0.0024	7.11E-11		0.000963	0.000311	0.0019
rs6860245	C	G	C	G	5	0.0589	0.0022	9.66E-160		-4.91E-05	0.000286	0.86
rs6874142	G	T	G	T	5	0.0288	0.0031	5.15E-20		-1.86E-05	0.000411	0.96
rs6902109	G	A	G	A	6	-0.0167	0.0019	1.03E-18		0.000259	0.000247	0.3
rs6977416	A	G	A	G	7	0.0457	0.002	1.43E-113		-5.12E-05	0.000263	0.85
rs700677	A	C	A	C	2	0.0173	0.002	1.13E-18		0.000118	0.000258	0.649999
rs7014590	C	T	C	T	8	-0.0228	0.0022	4.48E-26		1.15E-05	0.000282	0.97
rs7020491	T	C	T	C	9	-0.0178	0.0019	1.22E-20		6.62E-05	0.000249	0.79
rs702886	G	A	G	A	2	0.012	0.002	1.11E-09		-0.00041	0.000259	0.11
rs704660	T	C	T	C	11	0.0153	0.0019	2.28E-15		0.000351	0.000251	0.16
rs7082659	C	T	C	T	10	0.0156	0.0028	2.27E-08		0.00015	0.000363	0.68
rs7095472	G	A	G	A	10	0.0267	0.0019	7.66E-45		-0.00036	0.000248	0.15
rs7107356	G	A	G	A	11	0.0133	0.0019	1.86E-12		0.000134	0.000246	0.59
rs7129320	A	G	A	G	11	-0.0389	0.0025	7.29E-53		2.13E-05	0.000331	0.95
rs71336393	GA	G	GA	G	18	0.049	0.0023	9.02E-105		3.48E-05	0.000292	0.91
rs7137546	T	A	T	A	12	0.0142	0.0019	9.71E-14		5.27E-05	0.000249	0.83
rs71414738	T	C	T	C	2	0.015	0.0025	1.00E-09		0.000233	0.000324	0.47
rs7144307	C	T	C	T	14	-0.0122	0.002	6.10E-10		-9.01E-05	0.000257	0.73
rs7185244	C	T	C	T	16	-0.0148	0.0023	1.40E-10		-0.00028	0.0003	0.34
rs718603	T	C	T	C	6	0.0131	0.0021	6.68E-10		-8.57E-05	0.000277	0.760001

rs7220127	C	T	C	T	17	-0.0105	0.0019	4.60E-08		-0.00024	0.00025	0.35
rs7228151	C	T	C	T	18	-0.0185	0.0023	3.19E-15		-0.00019	0.000304	0.54
rs7229520	A	G	A	G	18	-0.0224	0.002	9.21E-29		0.000129	0.000261	0.62
rs723149	G	A	G	A	7	-0.0276	0.0019	1.43E-47		-0.00026	0.000248	0.29
rs72656010	C	T	C	T	8	-0.0668	0.0028	7.31E-126		-0.00022	0.000365	0.55
rs72657800	C	T	C	T	4	-0.0219	0.0035	6.39E-10		0.000229	0.000462	0.62
rs72695791	G	C	G	C	4	-0.0297	0.0051	4.58E-09		0.000364	0.000663	0.58
rs72726050	C	T	C	T	15	-0.0192	0.0034	1.84E-08		0.000651	0.000442	0.14
rs72771070	T	C	T	C	16	0.015	0.0021	1.30E-12		0.000551	0.000276	0.046
rs72801843	A	T	A	T	16	0.0313	0.0021	8.83E-52		8.66E-05	0.000269	0.75
rs72809820	T	C	T	C	2	-0.0111	0.002	3.13E-08		-0.00023	0.000264	0.39
rs72829852	T	C	T	C	17	0.0309	0.0039	3.74E-15		0.000192	0.000513	0.709999
rs7286917	G	A	G	A	22	0.0171	0.0023	5.18E-14		1.73E-05	0.000294	0.95
rs72894003	T	C	T	C	6	-0.0423	0.0038	1.90E-28		0.001297	0.000501	0.0097
rs73006226	A	C	A	C	11	-0.0182	0.0029	2.23E-10		-0.00034	0.000375	0.37
rs7301341	C	T	C	T	12	-0.0255	0.002	9.27E-37		-3.75E-05	0.000263	0.89
rs73052033	C	T	C	T	3	-0.0151	0.0024	4.79E-10		9.06E-05	0.000318	0.780001
rs73125634	T	G	T	G	20	-0.0195	0.0021	5.11E-20		-0.00043	0.000276	0.12
rs7320878	A	G	A	G	13	-0.015	0.0019	1.34E-14		-0.0006	0.000253	0.018
rs7321635	C	A	C	A	13	-0.0132	0.002	2.58E-11		-0.00014	0.000258	0.6
rs7328187	G	T	G	T	13	0.0116	0.0019	1.19E-09		-6.47E-05	0.000247	0.79
rs73384223	C	T	C	T	9	-0.0205	0.0024	1.27E-17		0.000557	0.000314	0.075999
rs73413540	T	C	T	C	11	-0.0124	0.0023	4.42E-08		8.63E-05	0.000295	0.77
rs7367519	C	T	C	T	1	0.0164	0.002	4.68E-16		-0.00012	0.000265	0.649999
rs73696333	G	C	G	C	7	0.0191	0.0024	3.20E-15		-0.00032	0.000316	0.3

rs73856768	C	T	C	T	4	-0.0247	0.0035	1.55E-12		0.000663	0.000457	0.15
rs7418410	T	C	T	C	1	0.0155	0.0019	5.64E-16		0.000149	0.000251	0.55
rs74379684	T	C	T	C	15	-0.0272	0.0036	4.39E-14		-0.00012	0.000467	0.79
rs74458759	G	C	G	C	9	0.0171	0.0022	3.12E-15		0.000288	0.000282	0.31
rs74494415	T	C	T	C	18	-0.0417	0.0049	1.82E-17		0.00014	0.000638	0.83
rs7485647	A	G	A	G	12	-0.0261	0.0026	1.04E-23		-8.83E-05	0.00034	0.8
rs75022676	A	G	A	G	2	-0.0163	0.0023	2.84E-12		0.000437	0.000308	0.16
rs7522400	G	A	G	A	1	0.0129	0.0022	5.62E-09		0.000142	0.000293	0.630001
rs7543136	T	C	T	C	1	-0.021	0.0021	9.96E-24		-0.00065	0.000276	0.019
rs7543202	G	A	A	T	1	0.0129	0.0019	2.86E-11		0.001411	0.001101	0.2
rs7543202	G	A	G	A	1	0.0129	0.0019	2.86E-11		-0.00023	0.000255	0.37
rs75508358	T	C	T	C	9	0.0266	0.0045	4.29E-09		0.000615	0.00059	0.3
rs7563362	G	A	G	A	2	0.0352	0.0027	3.27E-39		-5.29E-05	0.000353	0.88
rs7570235	C	T	C	T	2	-0.0168	0.0019	2.08E-18		0.000183	0.000252	0.47
rs75702986	A	G	A	G	19	-0.0163	0.0025	3.14E-11		-0.00015	0.00032	0.64
rs757834	C	T	C	T	7	0.0256	0.0024	1.25E-25		-0.00026	0.000319	0.42
rs7598430	T	C	T	C	2	-0.016	0.0019	1.37E-17		-0.00026	0.000246	0.3
rs7610055	A	G	A	G	3	-0.0373	0.0029	3.55E-38		0.000352	0.000377	0.35
rs7633464	A	G	A	G	3	0.0175	0.0019	1.27E-20		-0.00014	0.000247	0.57
rs76364830	A	G	A	G	8	-0.0471	0.0039	2.70E-33		6.69E-05	0.00051	0.9
rs76517946	A	C	A	C	2	-0.0368	0.0035	1.69E-26		-0.00057	0.000454	0.21
rs7679276	G	A	G	A	4	-0.033	0.0048	5.93E-12		0.000568	0.000626	0.36
rs7689420	C	T	C	T	4	0.0466	0.0025	1.50E-76		0.000318	0.000329	0.33
rs7701233	C	T	C	T	5	-0.0179	0.0019	5.12E-21		0.000595	0.000249	0.017
rs77013652	G	T	G	T	13	0.049	0.0081	1.50E-09		-0.00054	0.001051	0.61

rs772222	G	A	G	A	12	0.0121	0.0021	1.55E-08		-0.00029	0.00028	0.31
rs7731023	G	A	G	A	5	0.0166	0.0019	3.48E-18		3.76E-05	0.000249	0.88
rs7735891	T	C	T	C	5	0.0259	0.0019	1.14E-42		-5.18E-05	0.000247	0.83
rs77447813	C	G	C	G	20	0.0224	0.0034	3.21E-11		-0.00032	0.000439	0.46
rs7768382	C	T	C	T	6	-0.0201	0.0019	1.57E-26		-8.78E-05	0.000247	0.719999
rs7768973	A	T	A	T	6	-0.024	0.0019	5.44E-36		0.000122	0.000251	0.630001
rs77809369	T	C	T	C	16	0.0237	0.0039	9.83E-10		0.000219	0.000503	0.66
rs78000963	A	G	A	G	6	0.0169	0.0031	4.39E-08		0.000121	0.000405	0.77
rs7816345	T	C	T	C	8	0.0255	0.0025	6.22E-24		0.00011	0.000328	0.74
rs781669	T	C	T	C	4	0.0164	0.0019	3.14E-18		0.000272	0.000247	0.27
rs7826059	C	T	C	T	8	0.0114	0.002	7.61E-09		0.000131	0.000257	0.61
rs7828086	C	T	C	T	8	0.0135	0.0022	1.11E-09		-0.00052	0.000288	0.069
rs78378222	G	T	G	T	17	0.138	0.0087	4.51E-56		-0.00103	0.001177	0.38
rs78457529	T	C	T	C	16	-0.0904	0.0088	1.22E-24		0.001297	0.001154	0.26
rs7858712	G	A	G	A	9	0.0347	0.0034	1.04E-24		-0.00082	0.00044	0.063
rs78766798	C	T	C	T	17	0.0319	0.0035	2.61E-20		-0.00058	0.000449	0.2
rs7893378	A	G	A	G	10	0.0175	0.0031	2.36E-08		0.000196	0.000408	0.630001
rs79441499	T	C	T	C	19	-0.0138	0.0019	9.67E-13		0.000166	0.000252	0.51
rs7952436	T	C	T	C	11	-0.0453	0.0034	1.62E-39		0.000367	0.000449	0.41
rs8000973	C	T	C	T	13	0.0134	0.0019	2.05E-12		-0.00012	0.000247	0.64
rs80132799	T	C	T	C	20	0.0231	0.0038	1.31E-09		-6.41E-06	0.000497	0.99
rs8017006	G	A	G	A	14	0.0122	0.002	2.22E-09		-4.57E-05	0.000265	0.86
rs8018486	G	A	G	A	14	-0.0138	0.0024	1.18E-08		-0.00014	0.000315	0.66
rs8019890	A	C	A	C	14	0.025	0.0019	1.96E-38		8.76E-05	0.00025	0.73
rs8020095	A	G	A	G	14	-0.0145	0.0027	4.53E-08		-0.00074	0.000345	0.032

rs80280630	T	C	T	C	9	-0.0168	0.003	2.28E-08		0.00036	0.000392	0.36
rs80295797	T	C	T	C	1	-0.0198	0.002	3.83E-23		-0.00044	0.000263	0.091
rs8042578	G	C	G	C	15	0.0287	0.0022	2.29E-38		2.44E-05	0.000287	0.93
rs8054549	A	C	A	C	16	-0.0251	0.0019	3.37E-39		5.54E-06	0.000249	0.98
rs8084413	A	G	A	G	18	-0.0127	0.0019	3.25E-11		-0.0002	0.000249	0.43
rs8136517	C	T	C	T	22	0.0267	0.0039	6.58E-12		0.000971	0.000504	0.054
rs822530	T	A	T	A	7	0.0255	0.0024	2.36E-27		-4.33E-05	0.000307	0.89
rs861674	T	A	T	A	5	0.0128	0.0019	1.36E-11		0.000169	0.000247	0.49
rs867529	C	G	C	G	2	0.0184	0.0021	1.00E-18		0.000249	0.000275	0.36
rs876122	G	A	G	A	6	0.0162	0.0029	2.19E-08		0.000733	0.000376	0.051
rs8904	A	G	A	G	14	-0.0157	0.002	1.52E-15		-0.00016	0.000256	0.53
rs900399	G	A	G	A	3	0.0164	0.0019	1.35E-17		-7.56E-05	0.000252	0.760001
rs905938	C	T	C	T	1	0.0394	0.0021	8.43E-77		0.000415	0.000279	0.14
rs909220	A	G	A	G	14	-0.015	0.0019	3.24E-15		-5.92E-05	0.000248	0.81
rs9266244	A	G	A	G	6	-0.0427	0.0021	1.21E-94		-0.00061	0.000271	0.026
rs9343327	T	A	T	A	6	0.014	0.0019	1.09E-13		0.00045	0.000247	0.068
rs9344126	C	T	C	T	6	-0.0185	0.0019	2.21E-22		-1.17E-05	0.000249	0.96
rs9375188	T	C	T	C	6	0.0136	0.0019	6.80E-13		0.000508	0.000247	0.04
rs9385002	T	A	T	A	6	-0.0147	0.0022	3.26E-11		-0.00034	0.00029	0.24
rs9388490	T	C	T	C	6	0.0462	0.0019	1.33E-130		0.000263	0.000249	0.29
rs9391254	T	C	T	C	6	0.0166	0.002	2.10E-16		0.00043	0.000264	0.1
rs947099	A	G	A	G	10	0.0117	0.002	2.71E-09		-2.39E-05	0.000257	0.93
rs951366	C	T	C	T	1	0.0205	0.0019	9.15E-27		-7.91E-05	0.000252	0.75
rs9517483	G	A	G	A	13	-0.0181	0.0021	2.26E-18		0.000252	0.000268	0.35
rs9525326	G	A	G	A	13	-0.0184	0.0024	3.62E-14		-0.0004	0.000315	0.21

rs9568031	T	C	T	C	13	-0.0115	0.0021	3.34E-08		-0.00022	0.000271	0.42
rs9590328	G	A	G	A	13	0.0153	0.0027	2.02E-08		-0.0002	0.000352	0.57
rs9594714	T	G	T	G	13	0.0144	0.0021	2.65E-12		0.000278	0.000267	0.3
rs9610447	T	C	T	C	22	0.0152	0.0022	5.29E-12		0.000314	0.000286	0.27
rs963317	G	A	G	A	4	-0.0136	0.002	1.03E-11		-7.64E-05	0.000261	0.77
rs9634212	A	C	A	C	12	0.0471	0.0023	8.59E-95		0.000307	0.000298	0.3
rs9636364	A	G	A	G	2	0.011	0.0019	5.09E-09		-0.00022	0.000247	0.36
rs9647379	C	G	C	G	3	0.0215	0.0019	5.55E-29		0.000175	0.000252	0.49
rs9669278	C	T	C	T	12	-0.0496	0.0019	5.25E-151		0.000261	0.000248	0.29
rs9809116	G	A	G	A	3	-0.016	0.0019	1.31E-16		-7.70E-05	0.000253	0.760001
rs9828525	T	C	T	C	3	0.0121	0.0019	2.51E-10		5.11E-05	0.00025	0.84
rs9832919	G	A	G	A	3	-0.0179	0.002	7.90E-20		-0.00017	0.000258	0.52
rs985136	G	C	G	C	11	0.0138	0.002	2.96E-12		-0.00021	0.000257	0.42
rs987666	A	G	A	G	7	0.0185	0.0029	2.33E-10		0.000225	0.000382	0.55
rs9890062	A	G	A	G	17	0.0267	0.0039	1.20E-11		-0.00074	0.000512	0.15
rs9894577	A	G	A	G	17	-0.031	0.002	1.40E-52		0.000399	0.000265	0.13
rs9898189	G	C	G	C	17	-0.0163	0.0021	1.88E-15		-9.58E-06	0.000268	0.97
rs990315	C	T	C	T	15	-0.0115	0.002	5.07E-09		-0.00024	0.000254	0.35
rs9905385	G	A	G	A	17	-0.0339	0.002	1.94E-63		6.76E-05	0.000263	0.8
rs9957318	G	A	G	A	18	0.0187	0.002	1.02E-20		-3.26E-05	0.00026	0.9

Supplementary Table 2. Harmonized dataset of univariate Mendelian randomization for the effect of usual walking pace on ovarian cancer

SNP	EA.exposure	OA.exposure	EA.outcome	OA.outcome	Chromosome	Exposure				Outcome		
						Effect	SE	P-value		Effect	SE	P-value
rs1061801	A	G	A	G	6	-0.00926	0.001608	8.60E-09		-0.00011	0.000314	0.73
rs10750025	T	C	T	C	11	-0.00836	0.001365	9.40E-10		-0.0002	0.000266	0.450001
rs10828258	G	A	G	A	10	-0.00933	0.001359	6.70E-12		0.000841	0.000265	0.0015
rs10862220	G	T	G	T	12	0.008408	0.001351	4.80E-10		9.73E-05	0.000263	0.709999
rs10883618	A	G	A	G	10	0.00781	0.001308	2.40E-09		-0.00032	0.000255	0.21
rs11039324	A	G	A	G	11	-0.01021	0.001288	2.20E-15		3.00E-05	0.000251	0.9
rs11077815	C	T	C	T	17	-0.00713	0.001307	4.80E-08		0.000163	0.000255	0.52
rs11150623	T	G	T	G	16	-0.00969	0.001322	2.40E-13		-0.0002	0.000257	0.43
rs11264302	A	G	A	G	1	-0.0072	0.00127	1.50E-08		0.000454	0.000247	0.065999
rs113825410	G	A	G	A	1	-0.00881	0.001518	6.40E-09		0.000104	0.000296	0.719999
rs11548200	C	T	C	T	1	-0.01604	0.002552	3.30E-10		-0.00036	0.000497	0.47
rs11682482	G	T	G	T	2	0.008019	0.001356	3.30E-09		-0.00076	0.000264	0.004
rs1172817	G	T	G	T	19	0.007126	0.001273	2.20E-08		0.000129	0.000248	0.6
rs11732213	C	T	C	T	4	0.009161	0.001596	9.40E-09		-0.00027	0.000311	0.38
rs11761141	G	T	G	T	7	-0.0079	0.001351	5.00E-09		0.000501	0.000264	0.058
rs11848096	C	T	C	T	14	-0.00751	0.001307	9.20E-09		-0.00036	0.000254	0.16
rs11881338	A	T	A	T	19	0.00817	0.001271	1.30E-10		-0.00021	0.000247	0.4
rs12042959	G	A	G	A	1	0.012566	0.001813	4.10E-12		6.96E-05	0.000353	0.84
rs12461902	A	G	A	G	19	-0.00801	0.001357	3.60E-09		0.000951	0.000264	0.00032
rs12747822	A	T	A	T	1	0.011768	0.00214	3.80E-08		-0.00017	0.000416	0.67
rs12883788	T	C	T	C	14	-0.0078	0.001274	9.40E-10		-0.00029	0.000248	0.24
rs13107325	T	C	T	C	4	-0.02424	0.002406	7.10E-24		0.000673	0.000472	0.15

rs144333966	G	A	G	A	4	0.030461	0.005446	2.20E-08		2.12E-06	0.001062	1
rs1592	C	A	C	A	2	0.007451	0.001288	7.30E-09		0.000233	0.00025	0.35
rs2037735	T	C	T	C	19	-0.01127	0.001943	6.70E-09		-0.0002	0.000378	0.6
rs205262	G	A	G	A	6	-0.00871	0.001427	1.00E-09		-0.00051	0.000278	0.069
rs2170670	A	G	A	G	12	-0.00709	0.001297	4.70E-08		3.15E-05	0.000252	0.9
rs2280406	A	G	A	G	3	-0.00996	0.001265	3.40E-15		-8.48E-05	0.000246	0.73
rs2297600	G	T	G	T	1	-0.01156	0.001682	6.20E-12		-0.0002	0.000328	0.54
rs2301597	C	T	C	T	17	0.007131	0.001283	2.70E-08		8.52E-05	0.000249	0.73
rs2436726	T	C	T	C	6	-0.00722	0.001246	6.70E-09		7.13E-05	0.000243	0.77
rs2439823	G	A	G	A	10	-0.00728	0.001275	1.10E-08		6.90E-05	0.000248	0.780001
rs2602731	G	A	G	A	19	-0.00767	0.001369	2.10E-08		0.000338	0.000267	0.21
rs2645979	A	G	A	G	12	0.008618	0.00132	6.70E-11		-0.00025	0.000257	0.32
rs273512	T	C	T	C	19	-0.00967	0.001291	6.90E-14		0.000128	0.000251	0.61
rs34898535	T	C	T	C	16	0.007231	0.001306	3.10E-08		-0.0004	0.000254	0.12
rs35711462	G	A	G	A	5	-0.00717	0.001269	1.70E-08		6.46E-05	0.000247	0.79
rs362307	T	C	T	C	4	-0.01341	0.002426	3.30E-08		-0.00035	0.000472	0.46
rs4516268	A	C	A	C	17	0.00983	0.001607	9.50E-10		0.000166	0.000313	0.6
rs4643373	C	T	C	T	17	0.007727	0.001382	2.30E-08		-0.00024	0.000269	0.36
rs4715208	G	A	G	A	6	-0.00838	0.001466	1.10E-08		-0.00022	0.000286	0.44
rs4839898	A	G	A	G	6	0.013056	0.00206	2.30E-10		-0.00078	0.000402	0.053001
rs55680124	T	C	T	C	2	-0.01074	0.00175	8.30E-10		-4.40E-06	0.000341	0.99
rs613872	T	G	T	G	18	-0.01471	0.001671	1.30E-18		-0.00011	0.000326	0.74
rs62048402	A	G	A	G	16	-0.00988	0.00129	1.90E-14		0.000122	0.000251	0.630001
rs62253656	C	G	C	G	3	0.008249	0.001339	7.20E-10		0.000106	0.000261	0.68
rs6763292	G	A	G	A	3	0.009588	0.001531	3.80E-10		0.000154	0.000298	0.61

rs72906474	T	G	T	G	3	0.007178	0.001298	3.20E-08		-0.00048	0.000253	0.056
rs7789719	C	T	C	T	7	0.008542	0.001537	2.70E-08		-0.00038	0.0003	0.21
rs7795394	A	T	A	T	7	0.009305	0.001309	1.20E-12		-0.00039	0.000255	0.13
rs7896518	G	A	G	A	10	0.009991	0.001293	1.10E-14		-0.00021	0.000252	0.4
rs8005131	C	G	C	G	14	0.007402	0.001346	3.80E-08		-8.90E-05	0.000262	0.73
rs8010773	C	T	C	T	14	-0.00817	0.001301	3.40E-10		-0.00028	0.000253	0.26
rs8011870	A	G	A	G	14	-0.00783	0.001406	2.60E-08		8.21E-05	0.000273	0.760001
rs819167	G	A	G	A	20	-0.0158	0.002593	1.10E-09		0.000115	0.000504	0.82
rs830627	A	G	A	G	3	0.007421	0.001285	7.70E-09		-4.47E-05	0.00025	0.86
rs891387	C	T	C	T	18	0.00786	0.001266	5.40E-10		2.49E-05	0.000246	0.92
rs9366651	T	G	T	G	6	0.009485	0.001271	8.60E-14		-0.00043	0.000248	0.083
rs9783304	T	G	T	G	11	0.007636	0.001368	2.40E-08		0.000189	0.000267	0.48
rs9844666	A	G	A	G	3	-0.00867	0.001482	4.90E-09		-0.00034	0.000289	0.25

Supplementary Table 3. Harmonized dataset of univariate Mendelian randomization for the effect of hand grip strength (right) on ovarian cancer

SNP	EA.exposure	OA.exposure	EA.outcome	OA.outcome	Chromosome	Exposure				Outcome		
						Effect	SE	P-value		Effect	SE	P-value
rs10193039	T	A	T	A	2	-0.01033	0.001652	4.10E-10		2.93E-05	0.000274	0.92
rs10278546	C	A	C	A	7	0.010754	0.001884	1.10E-08		0.000389	0.000312	0.21
rs1043515	G	A	G	A	17	0.013828	0.001498	2.80E-20		-0.00025	0.000248	0.32
rs1047891	A	C	A	C	2	0.009687	0.001597	1.30E-09		4.64E-05	0.000265	0.86
rs10483727	C	T	C	T	14	-0.00902	0.001525	3.30E-09		-0.00013	0.000252	0.62
rs10520770	C	T	C	T	18	0.011742	0.001498	4.50E-15		0.000103	0.000248	0.68
rs1076635	G	A	G	A	6	-0.01058	0.001693	4.10E-10		0.000397	0.00028	0.16
rs10770125	G	A	G	A	11	0.008441	0.001488	1.40E-08		0.000208	0.000246	0.4
rs10784502	T	C	T	C	12	-0.01112	0.001486	7.10E-14		0.000323	0.000247	0.19
rs10798483	A	G	A	G	1	0.014508	0.001495	2.80E-22		0.000159	0.000248	0.52
rs10798876	G	C	G	C	1	0.008795	0.001498	4.30E-09		0.000121	0.000248	0.630001
rs10799428	T	C	T	C	1	-0.01436	0.001904	4.60E-14		-0.0001	0.000315	0.74
rs10799743	T	C	T	C	1	0.011744	0.002022	6.30E-09		-0.00026	0.000336	0.44
rs10901793	A	G	A	G	10	0.009405	0.001621	6.60E-09		0.000118	0.000269	0.66
rs11022513	T	C	T	C	11	-0.00921	0.00151	1.10E-09		0.000114	0.00025	0.649999
rs11039348	A	G	A	G	11	-0.00977	0.001561	3.90E-10		-5.79E-05	0.000259	0.82
rs111816267	A	G	A	G	6	0.034452	0.005919	5.90E-09		-0.00067	0.00098	0.49
rs11189058	A	G	A	G	10	-0.00996	0.001572	2.30E-10		-0.00036	0.00026	0.16
rs111942756	G	A	G	A	1	-0.01316	0.002088	2.90E-10		0.000175	0.000346	0.61
rs1125	A	G	A	G	6	-0.01003	0.001575	1.90E-10		0.000104	0.000261	0.69
rs113315602	C	A	C	A	6	-0.02129	0.002668	1.40E-15		0.0002	0.000444	0.649999

rs113835839	T	C	T	C	6	-0.00986	0.001725	1.10E-08		-0.00011	0.000286	0.69
rs113851275	A	G	A	G	9	0.013143	0.002398	4.30E-08		-0.00039	0.000399	0.32
rs116164959	C	T	C	T	4	0.024906	0.00441	1.60E-08		0.000133	0.000736	0.86
rs11627531	C	T	C	T	14	-0.00842	0.00149	1.60E-08		0.000194	0.000247	0.43
rs11637420	C	A	C	A	15	-0.01383	0.001932	8.10E-13		0.000264	0.00032	0.41
rs11642954	A	G	A	G	16	-0.01319	0.001879	2.20E-12		-6.71E-05	0.000312	0.83
rs11643247	C	T	C	T	16	-0.00883	0.00154	9.90E-09		-0.00015	0.000255	0.55
rs116922558	G	A	G	A	9	-0.02463	0.00386	1.80E-10		0.000534	0.00064	0.4
rs117042741	T	C	T	C	11	0.023571	0.003758	3.60E-10		0.000226	0.000624	0.719999
rs11785016	C	T	C	T	8	0.008381	0.001535	4.70E-08		0.000456	0.000254	0.073
rs11813532	C	T	C	T	10	-0.0107	0.00157	9.50E-12		2.76E-05	0.00026	0.92
rs11856538	T	G	T	G	15	-0.01231	0.00153	8.30E-16		0.000323	0.000254	0.2
rs11884781	C	T	C	T	2	0.011569	0.001762	5.10E-11		-8.02E-05	0.000293	0.780001
rs11998884	T	C	T	C	9	0.017343	0.003124	2.80E-08		-0.00014	0.000517	0.79
rs12036324	G	T	G	T	1	-0.00905	0.001586	1.10E-08		-0.00043	0.000262	0.11
rs12052508	T	C	T	C	2	-0.01335	0.00228	4.70E-09		-0.00028	0.000378	0.450001
rs12298657	T	C	T	C	12	0.010232	0.001721	2.80E-09		3.73E-05	0.000285	0.9
rs12316046	G	A	G	A	12	-0.0162	0.001532	3.80E-26		-0.00026	0.000254	0.3
rs12412806	A	G	A	G	10	-0.0091	0.001641	3.00E-08		0.000381	0.000272	0.16
rs12452505	G	C	G	C	17	-0.01443	0.002135	1.40E-11		0.000308	0.000355	0.38
rs1245463	G	A	G	A	14	0.008476	0.001527	2.90E-08		-5.93E-05	0.000253	0.81
rs12522139	G	T	G	T	5	-0.01144	0.001973	6.80E-09		4.01E-05	0.000327	0.9
rs12590319	G	A	G	A	14	0.009342	0.001597	4.90E-09		0.000253	0.000265	0.34
rs12616285	G	T	G	T	2	0.01222	0.002094	5.40E-09		-4.64E-05	0.000348	0.89
rs12763284	G	A	G	A	10	0.009597	0.001489	1.20E-10		8.54E-06	0.000247	0.97

rs1280839	C	A	C	A	1	0.008769	0.001513	6.80E-09		-0.00023	0.000251	0.36
rs12889267	G	A	G	A	14	-0.01229	0.00199	6.70E-10		0.000189	0.000329	0.57
rs12914702	A	G	A	G	15	0.010779	0.001693	1.90E-10		0.000103	0.00028	0.709999
rs13107325	T	C	T	C	4	-0.0275	0.002825	2.10E-22		0.000673	0.000472	0.15
rs13146142	C	T	C	T	4	-0.0208	0.002032	1.40E-24		-0.00044	0.000337	0.19
rs13169333	C	T	C	T	5	0.009291	0.001696	4.30E-08		-0.0002	0.000281	0.48
rs13207809	C	G	C	G	6	-0.02158	0.002388	1.60E-19		0.000455	0.000397	0.25
rs13355365	T	C	T	C	5	-0.00847	0.001534	3.40E-08		-6.14E-05	0.000255	0.81
rs13356200	G	T	G	T	5	-0.00921	0.001531	1.80E-09		0.000298	0.000254	0.24
rs141829833	T	C	T	C	3	0.028182	0.005071	2.70E-08		-0.00073	0.00084	0.39
rs143384	G	A	G	A	20	0.023042	0.001514	2.50E-52		0.000223	0.000251	0.38
rs1440152	G	C	G	C	3	0.008271	0.0015	3.50E-08		-8.97E-05	0.000249	0.719999
rs1442883	A	C	A	C	2	-0.01062	0.001714	5.80E-10		0.000255	0.000285	0.37
rs145244672	G	T	G	T	6	-0.02021	0.002533	1.50E-15		0.000411	0.000421	0.33
rs1486925	C	T	C	T	8	-0.00953	0.001605	2.90E-09		-0.00021	0.000266	0.43
rs150330307	C	T	C	T	1	-0.03258	0.004224	1.20E-14		5.01E-06	0.000705	0.99
rs1514665	A	G	A	G	12	0.008527	0.001508	1.50E-08		0.000332	0.00025	0.18
rs1550115	T	C	T	C	2	0.015284	0.001713	4.50E-19		-0.00025	0.000284	0.37
rs1556659	T	C	T	C	10	0.017535	0.001537	3.80E-30		7.64E-05	0.000255	0.760001
rs1635527	C	G	C	G	12	0.009753	0.001495	6.80E-11		-0.00013	0.000248	0.6
rs1641457	G	T	G	T	2	0.013073	0.001785	2.40E-13		-0.00026	0.000296	0.38
rs16870531	T	C	T	C	7	0.010443	0.001745	2.20E-09		0.000273	0.000289	0.35
rs17008195	T	C	T	C	3	-0.01238	0.002264	4.50E-08		3.50E-05	0.000375	0.93
rs1840753	T	C	T	C	2	0.017694	0.003121	1.40E-08		0.000956	0.00052	0.065999
rs185320691	C	G	C	G	6	-0.02025	0.002693	5.60E-14		0.000212	0.000448	0.64

rs1924721	T	G	T	G	1	0.013815	0.002316	2.40E-09		-6.14E-05	0.000385	0.87
rs1952256	G	A	G	A	1	0.009768	0.001563	4.10E-10		-1.72E-05	0.000259	0.95
rs2131371	C	A	C	A	12	0.009114	0.001624	2.00E-08		-0.00031	0.000269	0.24
rs2165241	C	T	C	T	15	0.012249	0.001488	1.90E-16		-0.00023	0.000247	0.34
rs2194747	G	A	G	A	2	0.009851	0.001639	1.90E-09		0.000219	0.000272	0.42
rs2208562	T	C	T	C	9	-0.01156	0.001522	3.10E-14		6.57E-06	0.000252	0.98
rs2226685	C	T	C	T	21	0.010333	0.001743	3.10E-09		-0.00011	0.000289	0.69
rs2244621	T	C	T	C	11	0.011596	0.002119	4.50E-08		6.72E-05	0.00035	0.85
rs2273555	A	G	A	G	10	0.011032	0.001522	4.20E-13		0.000159	0.000252	0.53
rs2322754	A	G	A	G	6	-0.0117	0.001985	3.80E-09		0.00024	0.000329	0.47
rs2341184	C	T	C	T	3	0.010061	0.001671	1.70E-09		-0.00021	0.000277	0.44
rs2362972	A	C	A	C	3	-0.00857	0.001508	1.30E-08		0.000267	0.00025	0.29
rs2389763	C	T	C	T	7	-0.00833	0.001514	3.80E-08		-0.00033	0.000251	0.19
rs2431112	A	G	A	G	5	-0.01117	0.001497	8.60E-14		-0.00024	0.000249	0.33
rs246181	T	C	T	C	16	0.009704	0.001549	3.70E-10		-0.00037	0.000257	0.15
rs248831	A	G	A	G	16	0.00989	0.001717	8.40E-09		0.000768	0.000284	0.0069
rs2587505	C	T	C	T	17	-0.00927	0.001509	8.10E-10		-0.00019	0.00025	0.46
rs2631360	A	G	A	G	5	-0.01118	0.001486	5.40E-14		-5.09E-05	0.000247	0.84
rs2717351	G	A	G	A	7	0.01277	0.001835	3.40E-12		-9.01E-06	0.000304	0.98
rs2760975	A	G	A	G	6	-0.02079	0.002171	9.70E-22		0.000353	0.000361	0.33
rs2854152	G	A	G	A	17	0.010991	0.001598	6.00E-12		0.000172	0.000265	0.52
rs2871865	G	C	G	C	15	-0.02369	0.00232	1.80E-24		0.000115	0.000384	0.760001
rs2894602	G	A	G	A	2	0.010133	0.001768	9.90E-09		-0.00022	0.000294	0.450001
rs3118914	T	G	T	G	13	-0.01944	0.001808	5.90E-27		-0.00032	0.0003	0.29
rs3124665	A	G	A	G	1	-0.00844	0.001496	1.70E-08		-0.00032	0.000249	0.2

rs34030812	C	T	C	T	2	-0.00913	0.001543	3.30E-09		-0.00012	0.000256	0.630001
rs34217742	A	T	A	T	19	0.014625	0.002278	1.40E-10		0.000476	0.000376	0.21
rs34699196	A	G	A	G	19	-0.01647	0.002846	7.20E-09		-0.00037	0.000471	0.43
rs34845616	A	G	A	G	11	0.009795	0.001736	1.70E-08		-0.00018	0.000287	0.52
rs35457492	C	A	C	A	3	0.008339	0.001491	2.20E-08		0.000231	0.000247	0.35
rs35555	C	T	C	T	16	0.017835	0.003254	4.20E-08		6.06E-05	0.000539	0.91
rs35701422	C	T	C	T	3	-0.00869	0.001535	1.50E-08		4.23E-05	0.000254	0.87
rs35833641	G	A	G	A	2	0.009223	0.001602	8.50E-09		-0.0004	0.000265	0.14
rs36112366	G	T	G	T	8	-0.01448	0.002375	1.10E-09		-0.00049	0.000393	0.22
rs3739118	A	G	A	G	2	0.009159	0.001644	2.50E-08		0.000228	0.000273	0.4
rs3771498	T	C	T	C	2	0.014161	0.001489	1.90E-21		-3.14E-05	0.000247	0.9
rs3814877	T	G	T	G	16	0.008875	0.001516	4.80E-09		7.91E-05	0.000252	0.75
rs3848369	T	C	T	C	16	-0.00954	0.001531	4.70E-10		0.000206	0.000254	0.42
rs3850625	A	G	A	G	1	-0.01323	0.002299	8.70E-09		-0.00041	0.000381	0.29
rs4121165	A	G	A	G	1	-0.01198	0.001821	4.80E-11		0.000286	0.000302	0.34
rs4296472	A	G	A	G	2	-0.01016	0.001623	3.80E-10		-6.44E-05	0.000269	0.81
rs4369779	C	T	C	T	18	0.017203	0.001821	3.40E-21		0.000164	0.000301	0.59
rs4534896	A	G	A	G	17	-0.01516	0.001901	1.50E-15		0.000563	0.000315	0.074
rs4549685	T	C	T	C	7	0.009715	0.001581	8.10E-10		0.000455	0.000262	0.083
rs4553566	C	T	C	T	15	-0.0093	0.001492	4.60E-10		-1.47E-05	0.000247	0.95
rs4609139	T	A	T	A	7	-0.00903	0.001552	5.90E-09		0.000309	0.000257	0.23
rs4670893	C	G	C	G	2	0.010219	0.00164	4.60E-10		-0.00032	0.000273	0.25
rs4751671	A	G	A	G	10	0.008233	0.0015	4.10E-08		-0.00023	0.000249	0.35
rs4752689	A	G	A	G	10	0.008753	0.001508	6.40E-09		-7.30E-06	0.00025	0.98
rs4784329	C	A	C	A	16	-0.01334	0.001507	9.00E-19		2.72E-05	0.00025	0.91

rs4785574	G	A	G	A	16	-0.01038	0.0015	4.50E-12		0.00043	0.000248	0.083
rs4868110	T	A	T	A	5	-0.00971	0.00159	1.00E-09		0.000452	0.000264	0.087
rs4988321	A	G	A	G	11	-0.01871	0.003363	2.60E-08		0.000461	0.000556	0.41
rs531864	T	C	T	C	2	0.008784	0.001566	2.00E-08		-0.00014	0.000259	0.59
rs55877758	A	T	A	T	2	-0.0095	0.001739	4.60E-08		0.000327	0.000289	0.26
rs56074046	A	G	A	G	17	-0.00904	0.00154	4.40E-09		0.000364	0.000255	0.15
rs56088284	G	A	G	A	11	-0.02731	0.002696	4.10E-24		0.000332	0.000447	0.46
rs56221672	G	A	G	A	1	0.009806	0.001514	9.30E-11		0.000104	0.000252	0.68
rs56365901	G	A	G	A	17	-0.01426	0.001793	1.80E-15		8.62E-07	0.000297	1
rs575147125	G	T	G	T	6	-0.01687	0.002316	3.30E-13		-0.00032	0.000385	0.41
rs58670122	G	A	G	A	1	-0.01322	0.002148	7.40E-10		-0.00067	0.000356	0.061
rs600038	C	T	C	T	9	-0.01038	0.001834	1.50E-08		0.000592	0.000304	0.052
rs6006984	C	T	C	T	22	0.010299	0.001657	5.10E-10		-8.11E-06	0.000274	0.98
rs6063504	G	C	G	C	20	0.008623	0.001494	7.80E-09		0.00017	0.000247	0.49
rs6088638	C	T	C	T	20	0.011569	0.001975	4.70E-09		-5.30E-05	0.000327	0.87
rs61815559	T	A	T	A	1	0.023066	0.004212	4.30E-08		0.00068	0.000703	0.33
rs62037412	A	G	A	G	16	0.00933	0.001554	1.90E-09		0.000221	0.000257	0.39
rs62086903	C	T	C	T	17	-0.00982	0.001778	3.30E-08		0.000327	0.000295	0.27
rs62142646	T	C	T	C	2	0.009062	0.001544	4.30E-09		-0.00035	0.000256	0.17
rs62234790	A	C	A	C	3	0.010585	0.001727	8.80E-10		2.26E-05	0.000286	0.94
rs62509875	G	A	G	A	8	-0.01318	0.001973	2.40E-11		-0.00028	0.000327	0.4
rs62621197	T	C	T	C	19	-0.02479	0.004082	1.30E-09		-0.00109	0.000673	0.11
rs635538	A	G	A	G	18	-0.02199	0.002663	1.50E-16		-0.00043	0.000441	0.33
rs645144	C	T	C	T	6	-0.00869	0.001586	4.30E-08		-0.0003	0.000263	0.26
rs6473015	C	A	C	A	8	0.0096	0.001646	5.50E-09		0.000173	0.000272	0.53

rs6693567	T	C	T	C	1	-0.00975	0.001678	6.30E-09		0.000203	0.000279	0.47
rs6711390	T	C	T	C	2	0.013266	0.001529	4.00E-18		0.000212	0.000253	0.4
rs6715064	T	C	T	C	2	-0.00921	0.001606	9.60E-09		0.000307	0.000267	0.25
rs6791991	G	C	G	C	3	0.00877	0.001501	5.10E-09		-0.00018	0.000249	0.47
rs6792762	A	G	A	G	3	-0.00912	0.001516	1.80E-09		-0.00033	0.000251	0.2
rs6870324	G	C	G	C	5	-0.00999	0.001683	3.00E-09		-0.00012	0.000279	0.67
rs6882168	T	C	T	C	5	-0.00909	0.001576	7.90E-09		-0.00031	0.000261	0.24
rs6962338	G	A	G	A	7	-0.02035	0.003623	2.00E-08		-0.0008	0.000602	0.19
rs6977081	T	G	T	G	7	0.01286	0.001589	5.70E-16		-6.65E-05	0.000263	0.8
rs700518	C	T	C	T	15	0.009519	0.001487	1.50E-10		-3.27E-05	0.000247	0.89
rs7034200	A	C	A	C	9	0.008689	0.001489	5.30E-09		2.86E-05	0.000247	0.91
rs7118876	G	A	G	A	11	0.011006	0.001609	7.90E-12		-0.00016	0.000267	0.54
rs71298370	A	G	A	G	3	0.016599	0.002708	8.90E-10		0.000167	0.000447	0.709999
rs7134283	A	G	A	G	12	-0.0114	0.001654	5.50E-12		-0.00014	0.000274	0.61
rs7148603	A	G	A	G	14	0.009306	0.001588	4.70E-09		1.06E-05	0.000263	0.97
rs7196917	G	A	G	A	16	-0.01058	0.001503	1.90E-12		9.18E-05	0.000249	0.709999
rs7206195	T	C	T	C	16	-0.01532	0.001939	2.80E-15		-0.00066	0.000321	0.038
rs721101	C	T	C	T	6	0.009467	0.001674	1.60E-08		0.000209	0.000278	0.450001
rs7214252	A	G	A	G	17	-0.01024	0.001825	2.00E-08		-0.00017	0.000303	0.57
rs7266065	A	G	A	G	20	0.009939	0.001595	4.60E-10		-0.00019	0.000264	0.47
rs72755233	A	G	A	G	15	-0.01372	0.00236	6.20E-09		-4.08E-05	0.000391	0.92
rs72820369	T	A	T	A	10	0.016127	0.00233	4.40E-12		0.000194	0.000385	0.62
rs72977282	A	T	A	T	11	-0.01681	0.001514	1.20E-28		4.53E-05	0.000251	0.86
rs7301953	A	G	A	G	12	-0.01154	0.001604	6.40E-13		-0.00043	0.000266	0.11
rs7451021	C	T	C	T	6	-0.0158	0.001606	7.70E-23		0.000272	0.000266	0.31

rs75044513	C	T	C	T	10	0.015313	0.002478	6.40E-10		-0.00039	0.000412	0.34
rs75457267	T	C	T	C	5	-0.01873	0.003395	3.40E-08		-0.00034	0.000563	0.54
rs7549184	A	G	A	G	1	0.01056	0.001814	5.80E-09		-7.90E-05	0.000302	0.79
rs755547	A	G	A	G	17	0.015952	0.0019	4.70E-17		0.000384	0.000314	0.22
rs7565148	G	T	G	T	2	-0.01035	0.001489	3.60E-12		3.17E-05	0.000247	0.9
rs7575451	G	C	G	C	2	-0.0106	0.001556	9.30E-12		-2.47E-05	0.000259	0.92
rs7652177	G	C	G	C	3	0.008581	0.001487	7.90E-09		0.000222	0.000247	0.37
rs7657558	G	T	G	T	4	0.010726	0.001662	1.10E-10		-0.00012	0.000276	0.68
rs77340587	G	A	G	A	7	0.017529	0.003034	7.60E-09		0.000448	0.0005	0.37
rs7790322	T	C	T	C	7	-0.0086	0.001509	1.20E-08		-0.00011	0.00025	0.649999
rs7871404	G	A	G	A	9	0.011935	0.001901	3.40E-10		0.000177	0.000315	0.57
rs7953280	C	G	C	G	12	-0.00899	0.001494	1.80E-09		8.81E-05	0.000248	0.719999
rs7963801	C	T	C	T	12	-0.01127	0.00151	8.40E-14		-0.00017	0.000251	0.51
rs79723785	C	T	C	T	19	-0.03405	0.006029	1.60E-08		0.000181	0.001005	0.86
rs823130	T	C	T	C	1	-0.01239	0.001503	1.70E-16		1.86E-05	0.000249	0.94
rs827661	C	T	C	T	9	0.008553	0.001556	3.90E-08		-0.00039	0.000258	0.13
rs911642	T	C	T	C	20	0.00863	0.001538	2.00E-08		-0.00013	0.000255	0.6
rs9267806	A	G	A	G	6	-0.01674	0.001702	7.70E-23		-0.00046	0.000282	0.1
rs9322822	T	C	T	C	6	0.01108	0.001593	3.50E-12		0.000446	0.000264	0.092001
rs935728	T	C	T	C	14	0.009553	0.001587	1.80E-09		9.42E-05	0.000263	0.719999
rs9388051	A	G	A	G	6	0.010626	0.001912	2.70E-08		-0.00038	0.000317	0.23
rs9396861	A	C	A	C	6	-0.00963	0.001553	5.70E-10		-1.09E-05	0.000258	0.97
rs9400285	G	C	G	C	6	0.009656	0.001708	1.60E-08		-0.00028	0.000283	0.33
rs9639938	G	C	G	C	7	0.00873	0.001495	5.20E-09		2.96E-05	0.000248	0.91
rs9652468	A	G	A	G	15	-0.01253	0.001721	3.30E-13		-0.00025	0.000286	0.38

rs9757079	T	C	T	C	3	0.009802	0.001597	8.40E-10		7.99E-05	0.000265	0.760001
rs9853018	T	C	T	C	3	0.010198	0.001494	8.80E-12		0.000246	0.000248	0.32
rs9894577	A	G	A	G	17	-0.01126	0.001599	1.90E-12		0.000399	0.000265	0.13
rs9924107	T	C	T	C	16	0.012871	0.002223	7.10E-09		0.000776	0.000369	0.036
rs997850	C	G	C	G	4	-0.00902	0.00153	3.70E-09		-0.00019	0.000254	0.450001

Supplementary Table 4. Harmonized dataset of univariate Mendelian randomization for the effect of moderate to vigorous physical activity levels on ovarian cancer

SNP	EA.exposure	OA.exposure	EA.outcome	OA.outcome	Chromosome	Exposure				Outcome		
						Effect	SE	P-value		Effect	SE	P-value
rs10145335	A	G	A	G	14	0.014122	0.002541	2.70E-08		0.000106	0.000284	0.709999
rs1043595	A	G	A	G	7	-0.01441	0.002454	4.30E-09		-0.00023	0.000275	0.4
rs1186721	A	G	A	G	7	0.01299	0.002372	4.40E-08		7.25E-05	0.000266	0.780001
rs12912808	T	C	T	C	15	-0.01755	0.003109	1.70E-08		-6.98E-05	0.000347	0.84
rs1921981	A	G	A	G	21	-0.01304	0.002371	3.80E-08		0.00052	0.000265	0.05
rs1972763	T	C	T	C	4	-0.01284	0.002324	3.30E-08		-7.82E-06	0.00026	0.98
rs1974771	A	G	A	G	2	0.021339	0.003678	6.60E-09		-0.0006	0.000413	0.14
rs2035562	G	A	G	A	3	0.013876	0.002356	3.90E-09		7.02E-05	0.000263	0.79
rs2114286	G	A	G	A	3	0.012245	0.002217	3.30E-08		4.72E-06	0.000248	0.98
rs2854277	T	C	T	C	6	-0.03203	0.005067	2.60E-10		0.001548	0.000567	0.0064
rs2988004	G	T	G	T	9	0.013171	0.00224	4.10E-09		-1.69E-05	0.00025	0.95
rs35400317	T	C	T	C	6	-0.01986	0.003548	2.20E-08		0.000708	0.000396	0.074
rs429358	C	T	C	T	19	0.021982	0.003054	6.10E-13		0.000365	0.000342	0.29
rs4886868	G	T	G	T	15	0.012495	0.002266	3.50E-08		-1.51E-05	0.000253	0.95
rs7326482	T	G	T	G	13	0.012961	0.002294	1.60E-08		-0.00029	0.000256	0.25
rs77742115	C	T	C	T	5	0.018348	0.003198	9.60E-09		-7.50E-05	0.000358	0.83
rs7804463	C	T	C	T	7	-0.01501	0.002213	1.20E-11		-0.00035	0.000247	0.15
rs877483	C	T	C	T	3	-0.01223	0.002228	4.00E-08		0.000133	0.000249	0.59
rs921915	C	T	C	T	7	0.013888	0.00224	5.70E-10		-0.00022	0.000251	0.39

Supplementary Table 5. Harmonized dataset of univariate Mendelian randomization for the effect of body mass index on ovarian cancer

SNP	EA.exposure	OA.exposure	EA.outcome	OA.outcome	Chromosome	Exposure				Outcome		
						Effect	SE	P-value		Effect	SE	P-value
rs10182416	G	A	G	A	2	0.013038	0.001971	3.7E-11		0.00035	0.000247	0.16
rs10184537	T	C	T	C	2	-0.0163	0.002084	5.1E-15		2.22E-05	0.000261	0.93
rs10423928	A	T	A	T	19	-0.03401	0.002499	3.4E-42		6.23E-05	0.000311	0.84
rs10510025	T	C	T	C	10	0.017564	0.002299	2.2E-14		-0.00025	0.000287	0.39
rs10511626	T	G	T	G	9	0.019564	0.003066	1.8E-10		0.000407	0.000382	0.29
rs10760277	T	C	T	C	9	0.013873	0.002038	1E-11		-9.7E-05	0.000254	0.7
rs10771041	T	C	T	C	12	0.021323	0.003088	5E-12		0.000596	0.000385	0.12
rs1078141	T	C	T	C	8	0.014224	0.002059	4.9E-12		7.75E-05	0.000257	0.760001
rs10824211	T	C	T	C	10	0.020769	0.002866	4.3E-13		0.000248	0.000357	0.49
rs10896012	C	T	C	T	11	0.017821	0.002403	1.2E-13		-0.00034	0.0003	0.26
rs10927006	C	T	C	T	1	-0.01682	0.002815	2.3E-09		9.29E-05	0.000352	0.79
rs10947793	G	A	G	A	6	-0.01322	0.002056	1.3E-10		-0.00054	0.000257	0.036
rs10989067	A	G	A	G	9	0.016951	0.002123	1.4E-15		0.000105	0.000264	0.69
rs11001963	T	C	T	C	10	0.011679	0.002019	7.3E-09		0.000117	0.000252	0.64
rs11012732	G	A	G	A	10	0.021643	0.002101	7.1E-25		0.000887	0.000262	0.00071
rs11079849	T	C	T	C	17	-0.02009	0.002112	1.8E-21		-0.00037	0.000262	0.16
rs11099020	T	C	T	C	4	-0.0142	0.002062	5.6E-12		-0.00021	0.000257	0.41
rs11122450	G	T	G	T	1	-0.01163	0.002024	9.1E-09		-0.00024	0.000253	0.34
rs11134679	G	A	G	A	5	0.018246	0.002133	1.2E-17		0.000421	0.000266	0.11
rs11150745	G	A	G	A	17	-0.02116	0.00213	2.9E-23		1.27E-05	0.000265	0.96
rs111598585	T	C	T	C	4	-0.01422	0.002438	5.4E-09		-0.00026	0.000304	0.38
rs111652921	A	C	A	C	8	-0.02004	0.003548	1.6E-08		-0.00054	0.000443	0.22

rs11165493	A	G	A	G	1	0.013241	0.002091	2.4E-10	-0.00062	0.000261	0.018
rs111689389	C	G	C	G	5	-0.01367	0.002195	4.7E-10	-0.00081	0.000274	0.0032
rs11218510	A	G	A	G	11	-0.01446	0.002021	8.4E-13	-0.00024	0.000252	0.34
rs11234234	A	T	A	T	11	-0.01321	0.001995	3.5E-11	-0.00019	0.000249	0.450001
rs11250094	C	G	C	G	8	-0.02029	0.001992	2.3E-24	0.000504	0.000248	0.042
rs1126930	C	G	C	G	12	0.03227	0.005359	1.7E-09	-2.4E-05	0.000667	0.97
rs113603865	T	C	T	C	1	0.018601	0.002427	1.8E-14	0.000377	0.000303	0.21
rs1136165	T	G	T	G	14	0.016049	0.002056	5.9E-15	7.81E-05	0.000256	0.760001
rs113631817	A	G	A	G	15	-0.0141	0.002372	2.8E-09	-0.0002	0.000296	0.49
rs113701136	T	C	T	C	19	0.019564	0.002137	5.4E-20	0.000996	0.000266	0.00018
rs11515071	T	C	T	C	9	-0.02069	0.002066	1.3E-23	0.000359	0.000258	0.16
rs11525873	C	T	C	T	7	-0.02398	0.003336	6.6E-13	-0.00061	0.000417	0.15
rs11607476	C	A	C	A	11	0.015712	0.001992	3.1E-15	-0.00026	0.000248	0.3
rs11610621	A	T	A	T	12	0.016487	0.002783	3.1E-09	-0.00013	0.000346	0.7
rs116374395	A	G	A	G	5	0.031882	0.005362	2.8E-09	-0.00024	0.000668	0.719999
rs11656076	A	G	A	G	17	-0.01543	0.002371	7.6E-11	-0.00011	0.000295	0.709999
rs1167311	A	G	A	G	1	-0.01926	0.002131	1.6E-19	0.000375	0.000266	0.16
rs11691869	A	C	A	C	2	-0.01932	0.002056	5.6E-21	0.000269	0.000257	0.3
rs11709402	G	A	G	A	3	0.022819	0.002208	4.9E-25	0.000106	0.000275	0.7
rs11757278	C	T	C	T	6	-0.01463	0.002148	9.9E-12	0.000345	0.000268	0.2
rs12102086	A	G	A	G	15	-0.0158	0.002414	6E-11	0.00039	0.0003	0.19
rs12140153	T	G	T	G	1	-0.03308	0.003459	1.2E-21	-0.00023	0.000435	0.6
rs12149660	A	G	A	G	16	-0.02273	0.003116	3E-13	-0.00068	0.000388	0.079001
rs12259464	A	G	A	G	10	0.01309	0.001987	4.5E-11	0.000583	0.000247	0.018
rs12364470	G	T	G	T	11	0.019271	0.002666	4.9E-13	0.000216	0.000333	0.52

rs12507026	T	A	T	A	4	0.02899	0.001993	6.3E-48		0.000162	0.000249	0.52
rs12514473	C	T	C	T	5	-0.01691	0.002303	2.1E-13		-0.00042	0.000287	0.14
rs12518987	G	A	G	A	5	0.014771	0.002085	1.4E-12		-0.00055	0.00026	0.033
rs12541408	C	T	C	T	8	-0.01433	0.002127	1.6E-11		-0.00012	0.000265	0.64
rs12681792	A	C	A	C	8	0.014869	0.002517	3.5E-09		-0.00029	0.000314	0.35
rs12921986	G	A	G	A	16	0.020333	0.003698	3.8E-08		0.000479	0.000463	0.3
rs12937411	T	C	T	C	17	-0.01719	0.002014	1.4E-17		-3.1E-05	0.00025	0.9
rs1296328	C	A	C	A	4	-0.01886	0.001999	3.9E-21		2.43E-06	0.000249	0.99
rs12972800	A	G	A	G	19	0.015028	0.001998	5.4E-14		1.71E-06	0.000248	0.99
rs13085472	C	T	C	T	3	-0.01193	0.002102	1.4E-08		-6.6E-05	0.000262	0.8
rs13107325	T	C	T	C	4	0.04758	0.003755	8.5E-37		0.000673	0.000472	0.15
rs13176429	C	T	C	T	5	0.014156	0.002131	3.1E-11		-0.00015	0.000266	0.58
rs1320251	T	C	T	C	17	-0.01803	0.001994	1.5E-19		-0.00028	0.000248	0.26
rs1327259	G	A	G	A	6	-0.01485	0.002034	2.8E-13		0.0003	0.000254	0.24
rs13298062	G	A	G	A	9	-0.0141	0.00251	1.9E-08		-0.00015	0.000313	0.64
rs1441264	A	G	A	G	13	0.017903	0.002059	3.4E-18		-8.3E-05	0.000256	0.75
rs144378790	C	A	C	A	15	-0.02762	0.003915	1.7E-12		8.35E-05	0.000487	0.86
rs1444039	T	C	T	C	1	-0.01362	0.002203	6.3E-10		-0.00043	0.000275	0.12
rs1454687	G	C	G	C	3	-0.02079	0.001974	6.1E-26		-1.2E-05	0.000246	0.96
rs146569428	A	G	A	G	11	0.013953	0.002486	2E-08		-0.00048	0.00031	0.12
rs1471740	C	T	C	T	3	0.019358	0.002254	8.9E-18		0.000119	0.000281	0.67
rs1477290	C	T	C	T	5	0.033777	0.002898	2.2E-31		7.19E-05	0.000362	0.84
rs147730268	T	G	T	G	12	-0.03508	0.003584	1.3E-22		6.7E-05	0.000446	0.88
rs153570	C	T	C	T	5	0.011401	0.00208	4.2E-08		0.000164	0.00026	0.53
rs156198	C	T	C	T	6	0.013415	0.002292	4.8E-09		0.000102	0.000286	0.719999

rs1609010	G	A	G	A	8	0.020977	0.001996	7.9E-26		9.11E-05	0.000249	0.709999
rs17056301	C	T	C	T	5	0.013583	0.00227	2.2E-09		0.000227	0.000283	0.42
rs17115183	T	C	T	C	14	0.011374	0.002025	1.9E-08		8.21E-05	0.000252	0.74
rs17132130	C	G	C	G	7	-0.01784	0.002386	7.5E-14		-0.00025	0.000297	0.4
rs17149254	C	T	C	T	7	-0.02135	0.002558	7E-17		-0.0003	0.000318	0.35
rs17619973	G	A	G	A	3	-0.02443	0.003752	7.5E-11		-0.00026	0.000469	0.58
rs17668356	G	C	G	C	3	-0.02305	0.002793	1.5E-16		-0.00021	0.000348	0.54
rs17770336	T	C	T	C	9	0.024293	0.002112	1.3E-30		0.000397	0.000263	0.13
rs17776482	A	G	A	G	3	0.015799	0.002857	3.2E-08		0.000385	0.000357	0.28
rs1788808	G	A	G	A	18	-0.0204	0.001983	7.7E-25		3.65E-05	0.000246	0.88
rs1793631	A	G	A	G	11	-0.01331	0.002148	5.9E-10		-2.6E-05	0.000267	0.92
rs1861410	T	C	T	C	2	-0.02126	0.001989	1.2E-26		9.58E-05	0.000249	0.7
rs1871329	G	A	G	A	6	0.014839	0.002335	2.1E-10		-4E-05	0.000291	0.89
rs1889667	G	C	G	C	9	-0.01295	0.002037	2E-10		0.000126	0.000254	0.62
rs1934102	A	G	A	G	9	-0.01367	0.002104	8.2E-11		0.000343	0.000262	0.19
rs1941137	T	C	T	C	18	-0.015	0.002498	1.9E-09		-0.0004	0.00031	0.2
rs1941706	G	A	G	A	18	0.012697	0.001988	1.7E-10		0.000223	0.000248	0.37
rs194656	A	G	A	G	1	-0.01424	0.002446	5.8E-09		0.000457	0.000306	0.13
rs1967772	A	G	A	G	13	-0.01704	0.002204	1E-14		0.000442	0.000274	0.11
rs1990662	C	A	C	A	12	0.014478	0.002518	8.9E-09		-0.00025	0.000314	0.42
rs2012027	T	C	T	C	5	-0.01503	0.002205	9.3E-12		-0.00018	0.000275	0.52
rs2035806	A	G	A	G	10	-0.01469	0.001999	2E-13		0.00028	0.000249	0.26
rs2035936	T	G	T	G	3	0.037086	0.004358	1.7E-17		0.000872	0.000543	0.11
rs2038646	G	C	G	C	1	0.019238	0.002007	9.2E-22		-0.0004	0.000251	0.11
rs2051559	C	T	C	T	4	0.020408	0.00292	2.8E-12		4.05E-05	0.000365	0.91

rs2075466	C	G	C	G	16	0.01329	0.002236	2.8E-09	-0.00035	0.000279	0.21
rs2125286	C	T	C	T	12	0.013451	0.001983	1.2E-11	-0.00023	0.000247	0.35
rs2153740	G	A	G	A	20	-0.01126	0.001993	1.6E-08	0.000473	0.000248	0.056
rs215634	G	A	G	A	7	-0.01552	0.002035	2.4E-14	0.00032	0.000254	0.21
rs2186120	A	G	A	G	1	0.013994	0.001987	1.9E-12	4.09E-06	0.000249	0.99
rs2193101	G	C	G	C	16	-0.01428	0.002566	2.6E-08	-0.00038	0.000321	0.23
rs2216931	A	C	A	C	2	0.016911	0.002086	5.2E-16	0.000237	0.000261	0.36
rs2249825	C	G	C	G	13	-0.01462	0.002238	6.5E-11	-0.00021	0.000278	0.46
rs2253310	G	C	G	C	6	0.017321	0.002041	2.1E-17	0.000608	0.000254	0.017
rs2275003	G	A	G	A	9	-0.01192	0.001978	1.7E-09	-0.00016	0.000247	0.51
rs2289379	T	C	T	C	7	-0.01528	0.00203	5.2E-14	0.000261	0.000253	0.3
rs2307111	C	T	C	T	5	-0.028	0.002022	1.3E-43	-0.00032	0.000252	0.2
rs2342892	G	T	G	T	16	-0.0127	0.001977	1.3E-10	8.74E-05	0.000246	0.719999
rs2381404	C	T	C	T	2	0.013966	0.0023	1.3E-09	-4.7E-05	0.000287	0.87
rs2396625	A	T	A	T	7	-0.01892	0.002013	5.6E-21	-8.9E-06	0.000251	0.97
rs2398861	G	A	G	A	9	0.017993	0.002267	2.1E-15	0.000522	0.000282	0.065
rs2425816	A	G	A	G	20	0.012228	0.002011	1.2E-09	-0.00019	0.00025	0.450001
rs2433733	A	G	A	G	2	-0.01718	0.002109	3.8E-16	0.000122	0.000264	0.64
rs2439823	G	A	G	A	10	0.0192	0.001991	5.3E-22	6.9E-05	0.000248	0.780001
rs2482356	C	T	C	T	9	-0.01135	0.001995	1.3E-08	-0.00037	0.000249	0.13
rs2568958	A	G	A	G	1	0.022293	0.002012	1.6E-28	2.28E-05	0.000252	0.93
rs2616143	A	G	A	G	8	-0.01387	0.002125	6.7E-11	-0.00017	0.000265	0.52
rs2678204	G	T	G	T	1	0.024161	0.002082	3.8E-31	0.000132	0.00026	0.61
rs2725371	G	A	G	A	8	-0.01603	0.002158	1.1E-13	0.000118	0.000269	0.66
rs2791643	T	C	T	C	1	-0.01338	0.002313	7.2E-09	0.00022	0.000289	0.450001

rs2837996	C	T	C	T	21	0.012665	0.002079	1.1E-09	6.36E-05	0.000258	0.81
rs28489620	A	G	A	G	22	-0.01537	0.0022	2.8E-12	0.000114	0.000273	0.68
rs2861685	C	T	C	T	2	-0.01713	0.001998	1E-17	-0.00046	0.00025	0.069
rs28671107	A	C	A	C	14	0.019701	0.00216	7.5E-20	0.000152	0.000268	0.57
rs2920503	T	C	T	C	3	-0.01403	0.002197	1.7E-10	-4.6E-05	0.000275	0.87
rs3213943	A	C	A	C	2	-0.01794	0.002882	4.8E-10	0.000402	0.00036	0.26
rs323792	C	G	C	G	5	0.044719	0.006838	6.2E-11	-0.00026	0.000848	0.760001
rs329118	T	C	T	C	5	-0.01657	0.002004	1.3E-16	9.3E-05	0.00025	0.709999
rs34045288	T	C	T	C	6	0.023478	0.002094	3.5E-29	0.000236	0.000261	0.37
rs34153025	C	T	C	T	15	-0.03892	0.006782	9.6E-09	0.000499	0.000839	0.55
rs34234296	A	G	A	G	2	-0.01495	0.00204	2.4E-13	6.22E-05	0.000255	0.81
rs34236292	T	G	T	G	4	-0.01348	0.002111	1.7E-10	-0.00038	0.000263	0.15
rs34481751	A	C	A	C	20	-0.0185	0.002704	7.8E-12	6.16E-05	0.000337	0.86
rs34517439	A	C	A	C	1	0.038848	0.00305	3.6E-37	0.000573	0.000382	0.13
rs347551	G	C	G	C	5	0.013865	0.002011	5.4E-12	0.000102	0.000251	0.68
rs35154326	G	A	G	A	16	-0.01304	0.002234	5.3E-09	-5.8E-05	0.000278	0.84
rs35364449	T	C	T	C	15	0.021707	0.003183	9.2E-12	-0.00013	0.000396	0.75
rs35589824	C	T	C	T	3	0.022998	0.004078	1.7E-08	0.000115	0.000511	0.82
rs35697587	A	G	A	G	14	-0.01647	0.001981	9.2E-17	0.000502	0.000247	0.042
rs35697691	G	C	G	C	15	0.023031	0.003522	6.2E-11	0.000244	0.000437	0.58
rs36007635	A	G	A	G	6	-0.02105	0.002868	2.2E-13	0.000144	0.000358	0.69
rs36061954	T	C	T	C	8	0.012845	0.002019	2E-10	0.000153	0.000252	0.54
rs36131051	G	T	G	T	3	-0.01542	0.002467	4.1E-10	-0.0007	0.000308	0.022
rs3764625	G	T	G	T	19	-0.01177	0.002015	5.2E-09	-3.6E-05	0.00025	0.89
rs3766823	A	G	A	G	1	0.016056	0.002614	8.1E-10	-0.00023	0.000327	0.49

rs3784710	C	T	C	T	15	-0.02971	0.00236	2.5E-36	-0.00011	0.000294	0.709999
rs3814883	T	C	T	C	16	0.024011	0.001984	1E-33	3.25E-05	0.000248	0.9
rs3901286	A	C	A	C	7	-0.02256	0.002756	2.7E-16	-9.2E-05	0.000344	0.79
rs3935190	A	G	A	G	17	-0.01449	0.001997	4E-13	-9.1E-05	0.000248	0.709999
rs394608	C	T	C	T	21	0.018635	0.001995	9.5E-21	-0.00024	0.000248	0.33
rs40071	C	T	C	T	5	-0.02617	0.002582	3.8E-24	-5.9E-05	0.000322	0.85
rs4055791	T	C	T	C	13	-0.01781	0.002008	7.4E-19	-0.00015	0.00025	0.55
rs406388	G	C	G	C	22	0.015973	0.002602	8.3E-10	0.000557	0.000324	0.085
rs4078932	A	G	A	G	3	-0.014	0.002189	1.6E-10	-0.00036	0.000273	0.18
rs4110177	A	G	A	G	5	0.01578	0.002059	1.8E-14	-0.00037	0.000257	0.15
rs41279738	G	T	G	T	1	0.068426	0.006223	4E-28	-0.00055	0.000773	0.48
rs4148155	G	A	G	A	4	-0.02297	0.003107	1.4E-13	-6.4E-05	0.000388	0.87
rs4284600	C	T	C	T	15	0.011967	0.001995	2E-09	4.56E-05	0.000249	0.85
rs429343	G	A	G	A	2	-0.01738	0.001997	3.3E-18	-0.00016	0.00025	0.52
rs429358	C	T	C	T	19	-0.02667	0.002744	2.4E-22	0.000365	0.000342	0.29
rs4307239	G	A	G	A	7	0.012141	0.001988	1E-09	0.000203	0.000248	0.41
rs4422151	T	A	T	A	2	-0.0169	0.002515	1.8E-11	-0.00022	0.000314	0.48
rs4456769	T	C	T	C	20	0.014611	0.002101	3.6E-12	0.000465	0.000261	0.075
rs4477562	T	C	T	C	13	0.029612	0.00298	2.9E-23	0.000787	0.000372	0.034
rs4482463	A	C	A	C	2	-0.03132	0.003707	3E-17	0.000148	0.000465	0.75
rs4605363	C	A	C	A	2	0.016364	0.002077	3.3E-15	-3.6E-05	0.00026	0.89
rs4648450	A	C	A	C	1	-0.01484	0.001988	8.4E-14	-8.8E-05	0.000248	0.719999
rs4658403	T	C	T	C	1	-0.01889	0.00265	1E-12	-0.00013	0.000332	0.69
rs4672338	T	C	T	C	2	0.013565	0.002087	8E-11	-0.0002	0.000261	0.450001
rs4680340	C	T	C	T	3	0.013656	0.002265	1.6E-09	-0.00072	0.000283	0.011

rs4682984	C	T	C	T	3	0.015835	0.002802	1.6E-08		0.000379	0.00035	0.28
rs4722398	T	C	T	C	7	0.018699	0.002875	7.9E-11		0.000699	0.000359	0.052
rs4737188	T	A	T	A	8	-0.01244	0.001983	3.5E-10		5.78E-05	0.000247	0.82
rs4757144	A	G	A	G	11	0.016083	0.002011	1.3E-15		0.000161	0.000251	0.52
rs4764949	G	A	G	A	12	-0.01839	0.002112	3.1E-18		4.23E-06	0.000263	0.99
rs479018	A	G	A	G	11	-0.01557	0.002134	2.9E-13		-6.4E-05	0.000266	0.81
rs4790292	A	C	A	C	17	-0.02545	0.002756	2.6E-20		0.000227	0.000342	0.51
rs4820410	G	A	G	A	22	-0.01775	0.002085	1.7E-17		-0.00032	0.000259	0.22
rs4858940	C	T	C	T	3	0.022928	0.0031	1.4E-13		-0.00053	0.000386	0.17
rs4869273	T	C	T	C	5	-0.01183	0.002123	2.5E-08		0.000287	0.000265	0.28
rs4876611	G	A	G	A	8	0.019755	0.002205	3.3E-19		0.000454	0.000275	0.098001
rs491055	G	A	G	A	1	-0.01643	0.001987	1.3E-16		-0.00034	0.000248	0.17
rs4912763	T	C	T	C	5	0.013642	0.00225	1.3E-09		0.000202	0.000281	0.47
rs491711	C	A	C	A	11	-0.01282	0.002145	2.3E-09		0.000317	0.000267	0.24
rs4929923	C	T	C	T	11	0.018942	0.002064	4.5E-20		-0.00017	0.000258	0.51
rs539515	C	A	C	A	1	0.049529	0.002443	2E-91		-0.00014	0.000305	0.649999
rs55726687	A	G	A	G	12	0.02483	0.002426	1.4E-24		0.00039	0.000302	0.2
rs56094641	G	A	G	A	16	0.073497	0.002014	1E-200		0.000109	0.000251	0.67
rs56133507	G	T	G	T	2	0.013762	0.002474	2.7E-08		-4.6E-05	0.000309	0.88
rs56161855	T	A	T	A	17	0.022458	0.002918	1.4E-14		-0.00016	0.000363	0.66
rs56399737	T	C	T	C	13	-0.01613	0.001996	6.4E-16		-0.00018	0.000249	0.46
rs567056	T	G	T	G	11	0.014337	0.002038	2E-12		-4.4E-05	0.000254	0.86
rs56858768	A	G	A	G	13	0.015919	0.002174	2.4E-13		-0.00039	0.000271	0.15
rs57500105	T	C	T	C	14	0.014073	0.002286	7.5E-10		-0.00022	0.000285	0.43
rs57636386	C	T	C	T	18	-0.04126	0.003583	1.1E-30		-0.00019	0.000448	0.67

rs57989773	C	T	C	T	6	0.013349	0.002363	1.6E-08		0.000378	0.000295	0.2
rs58862095	T	C	T	C	7	-0.02299	0.002008	2.4E-30		-0.00037	0.00025	0.14
rs59086897	A	T	A	T	2	0.033385	0.00197	2E-64		-0.00029	0.000247	0.25
rs59815219	T	C	T	C	3	0.011016	0.001974	2.4E-08		8.87E-05	0.000247	0.719999
rs6023655	G	A	G	A	20	-0.01473	0.00235	3.6E-10		0.000108	0.000292	0.709999
rs611003	A	C	A	C	11	-0.0145	0.001997	3.8E-13		-0.00031	0.000249	0.22
rs61754230	T	C	T	C	12	0.044281	0.007108	4.7E-10		0.002389	0.000876	0.0064
rs61791109	C	T	C	T	3	0.01863	0.002204	2.8E-17		-6.1E-05	0.000275	0.83
rs61813324	T	C	T	C	1	0.029026	0.00292	2.8E-23		-9.8E-05	0.000366	0.79
rs61828641	A	G	A	G	1	0.022459	0.003159	1.2E-12		-0.00084	0.000395	0.034
rs61871615	T	C	T	C	10	-0.02672	0.003593	1E-13		-0.00062	0.000445	0.16
rs61903695	G	A	G	A	11	0.016624	0.002271	2.5E-13		8.82E-05	0.000283	0.760001
rs62025672	A	G	A	G	15	-0.0117	0.002078	1.8E-08		0.000215	0.000259	0.41
rs62107261	C	T	C	T	2	-0.09116	0.004609	4.6E-87		0.000167	0.000573	0.77
rs62176243	T	A	T	A	2	-0.01497	0.002289	6.1E-11		-0.00033	0.000287	0.26
rs62246314	A	G	A	G	3	0.020671	0.003253	2.1E-10		-0.00013	0.000406	0.74
rs6265	T	C	T	C	11	-0.03992	0.002527	3.3E-56		0.000303	0.000315	0.34
rs6430068	A	G	A	G	2	0.018607	0.003188	5.3E-09		0.00053	0.000399	0.18
rs6545714	A	G	A	G	2	-0.02052	0.002016	2.4E-24		9.37E-05	0.000252	0.709999
rs6561937	A	T	A	T	13	-0.01593	0.002303	4.6E-12		-0.00076	0.000287	0.0083
rs6567160	C	T	C	T	18	0.054172	0.002342	2.3E-118		-2E-05	0.000291	0.95
rs6595449	C	A	C	A	5	-0.01223	0.002001	9.8E-10		2.22E-05	0.00025	0.93
rs6662445	T	G	T	G	1	0.012435	0.001994	4.4E-10		0.000253	0.000249	0.31
rs66679256	T	C	T	C	4	0.014886	0.001988	6.9E-14		-0.00017	0.000248	0.5
rs6669189	T	C	T	C	1	0.017137	0.002017	1.9E-17		0.00018	0.000252	0.48

rs6669341	G	A	G	A	1	-0.01703	0.001999	1.6E-17		-2.6E-05	0.00025	0.92
rs6707827	G	A	G	A	2	0.011944	0.002173	3.9E-08		0.000416	0.000272	0.13
rs6710091	G	C	G	C	2	-0.01168	0.002067	1.6E-08		-3.1E-05	0.000259	0.91
rs6725931	T	C	T	C	2	0.019105	0.002744	3.3E-12		-0.00027	0.000343	0.42
rs67272968	G	A	G	A	14	-0.01514	0.002538	2.5E-09		0.000566	0.000316	0.073
rs6744646	G	A	G	A	2	0.055468	0.002612	4.5E-100		-0.00014	0.000327	0.67
rs67609008	C	T	C	T	10	0.017086	0.002202	8.6E-15		-0.00017	0.000275	0.54
rs6843852	T	C	T	C	4	0.01309	0.001976	3.5E-11		0.000133	0.000246	0.59
rs6938973	C	T	C	T	6	0.018222	0.002019	1.8E-19		-0.00037	0.000252	0.14
rs6950388	A	G	A	G	7	0.015522	0.002448	2.3E-10		-9E-05	0.000304	0.77
rs6962980	C	A	C	A	7	-0.01596	0.001988	1E-15		-0.00028	0.000248	0.25
rs698147	G	A	G	A	5	-0.01285	0.001985	9.6E-11		-0.00017	0.000247	0.49
rs6998660	G	A	G	A	8	0.012546	0.001989	2.8E-10		0.000206	0.000248	0.41
rs7027304	T	C	T	C	9	0.014549	0.002087	3.1E-12		-0.00025	0.00026	0.33
rs7028656	G	A	G	A	9	0.013055	0.002007	7.8E-11		-6E-05	0.00025	0.81
rs7038943	C	T	C	T	9	-0.01402	0.002086	1.8E-11		-0.00019	0.00026	0.48
rs704061	C	T	C	T	12	0.014637	0.001986	1.7E-13		0.000101	0.000248	0.68
rs7070670	T	C	T	C	10	-0.01233	0.002119	6E-09		0.000351	0.000264	0.18
rs7124681	A	C	A	C	11	0.025698	0.002006	1.5E-37		8.27E-05	0.00025	0.74
rs7132908	A	G	A	G	12	0.02979	0.002034	1.4E-48		0.000296	0.000254	0.24
rs7147503	T	C	T	C	14	-0.01184	0.002055	8.4E-09		4.78E-06	0.000256	0.99
rs71495038	A	G	A	G	10	0.0278	0.00371	6.7E-14		0.000507	0.000463	0.27
rs7159513	A	G	A	G	14	0.017435	0.00269	9E-11		-6.9E-05	0.000335	0.84
rs7201895	A	G	A	G	16	-0.01498	0.00208	6E-13		4.44E-05	0.000259	0.86
rs7218014	C	T	C	T	17	0.018952	0.002492	2.9E-14		0.000178	0.000311	0.57

rs723672	T	C	T	C	12	0.011127	0.002007	3E-08	0.000182	0.00025	0.47
rs7244243	A	C	A	C	18	0.013782	0.002213	4.7E-10	-0.00011	0.000275	0.69
rs7259070	C	T	C	T	19	0.021869	0.002036	6.6E-27	0.000231	0.000253	0.36
rs72634826	A	G	A	G	1	-0.02128	0.00228	1E-20	-0.00029	0.000285	0.31
rs72649373	C	T	C	T	4	0.017806	0.002878	6.1E-10	0.000146	0.000359	0.68
rs72673947	G	A	G	A	8	0.021886	0.003215	9.9E-12	0.000245	0.000402	0.54
rs72892910	T	G	T	G	6	0.03878	0.002621	1.5E-49	-0.0003	0.000327	0.35
rs72908009	G	A	G	A	11	0.048632	0.008061	1.6E-09	-0.00051	0.001001	0.61
rs72963738	T	C	T	C	1	0.016033	0.002663	1.7E-09	0.000422	0.000334	0.21
rs72976986	A	G	A	G	19	-0.02323	0.002547	7.6E-20	0.000268	0.000317	0.4
rs73052033	C	T	C	T	3	-0.03039	0.002546	7.7E-33	9.06E-05	0.000318	0.780001
rs73124396	C	T	C	T	7	-0.01545	0.002455	3.1E-10	-0.00014	0.000306	0.64
rs73142879	T	C	T	C	20	-0.02669	0.002523	3.6E-26	0.000173	0.000313	0.58
rs73213484	T	A	T	A	4	-0.02258	0.002836	1.7E-15	-0.00046	0.000354	0.19
rs7357754	G	A	G	A	9	0.014115	0.001984	1.1E-12	-0.00018	0.000247	0.47
rs73601548	T	C	T	C	10	0.017735	0.003116	1.3E-08	6.57E-05	0.000387	0.87
rs73672490	G	A	G	A	9	0.017931	0.002809	1.7E-10	0.000202	0.00035	0.56
rs745249	T	C	T	C	2	0.017612	0.002197	1.1E-15	-0.00048	0.000275	0.08
rs74750282	C	T	C	T	7	-0.01964	0.003526	2.5E-08	-0.00051	0.00044	0.24
rs7498665	G	A	G	A	16	0.026865	0.00202	2.3E-40	-0.0002	0.000252	0.43
rs75082458	T	C	T	C	6	0.015229	0.00221	5.6E-12	6.77E-05	0.000276	0.81
rs75384631	A	T	A	T	3	0.018054	0.003122	7.4E-09	-0.00011	0.00039	0.780001
rs754635	G	C	G	C	3	0.021993	0.003109	1.5E-12	-0.00039	0.000388	0.32
rs75499503	T	C	T	C	6	-0.01803	0.002418	8.9E-14	-0.00045	0.000301	0.14
rs7568228	C	G	C	G	2	-0.01196	0.001973	1.3E-09	-0.00027	0.000247	0.28

rs7571496	G	A	G	A	2	-0.01589	0.002255	1.8E-12		0.000503	0.000282	0.075
rs76267866	T	A	T	A	3	0.014144	0.00244	6.7E-09		-0.00028	0.000304	0.36
rs76702514	G	C	G	C	1	-0.01649	0.002433	1.2E-11		6.77E-05	0.000304	0.82
rs7683836	A	G	A	G	4	-0.01225	0.001994	8.2E-10		-0.00024	0.000249	0.34
rs7708584	G	A	G	A	5	-0.01593	0.001995	1.4E-15		-0.0003	0.000249	0.23
rs7762794	G	A	G	A	6	0.014908	0.002186	9.1E-12		-9.6E-05	0.000273	0.73
rs7774	A	C	A	C	17	0.014988	0.002152	3.3E-12		-0.00016	0.000268	0.54
rs7776021	A	G	A	G	6	0.01237	0.002183	1.4E-08		0.000348	0.000272	0.2
rs7802342	G	T	G	T	7	0.012275	0.002181	1.8E-08		8.35E-05	0.000272	0.760001
rs7805441	T	C	T	C	7	0.013375	0.001989	1.8E-11		-2.8E-05	0.000248	0.91
rs7815726	A	C	A	C	8	0.013487	0.002124	2.2E-10		0.000307	0.000265	0.25
rs784257	C	T	C	T	18	0.017932	0.00255	2E-12		-2E-05	0.000318	0.95
rs78605811	C	A	C	A	3	-0.03274	0.004447	1.8E-13		-0.00069	0.000555	0.22
rs78886584	G	A	G	A	1	0.011666	0.001995	5E-09		0.000275	0.00025	0.27
rs7924036	T	G	T	G	10	-0.01428	0.001978	5.1E-13		7.05E-05	0.000247	0.77
rs7944782	G	T	G	T	11	0.015761	0.001987	2.2E-15		0.000109	0.000248	0.66
rs7976191	G	A	G	A	12	0.027659	0.004529	1E-09		-0.00033	0.000562	0.55
rs79780963	T	C	T	C	10	0.02368	0.003696	1.5E-10		0.000131	0.000461	0.780001
rs7996639	A	G	A	G	13	0.014556	0.002002	3.6E-13		0.000246	0.000249	0.32
rs80135274	T	A	T	A	17	0.021339	0.003881	3.8E-08		0.001009	0.000483	0.037
rs8015400	A	C	A	C	14	0.021342	0.002117	6.7E-24		0.000132	0.000264	0.62
rs8024137	T	A	T	A	15	0.015633	0.002768	1.6E-08		-0.00015	0.000344	0.67
rs8025516	G	T	G	T	15	-0.01466	0.002076	1.7E-12		0.000547	0.000258	0.034
rs80330591	A	G	A	G	2	-0.01565	0.002786	1.9E-08		0.000186	0.000349	0.59
rs8112818	G	A	G	A	19	-0.0207	0.002027	1.8E-24		-0.00033	0.000252	0.19

rs8132491	A	G	A	G	21	-0.01538	0.002193	2.4E-12	-7.4E-05	0.000272	0.79
rs845084	A	G	A	G	10	0.015959	0.002268	2E-12	-0.0005	0.000283	0.077
rs852042	G	A	G	A	20	-0.01312	0.002313	1.4E-08	-5E-06	0.000288	0.99
rs854917	T	C	T	C	6	-0.01276	0.002251	1.4E-08	8.59E-05	0.000281	0.760001
rs862320	T	C	T	C	16	-0.02317	0.002013	1.2E-30	-0.0001	0.000251	0.69
rs879620	T	C	T	C	16	0.024114	0.002036	2.3E-32	-0.00046	0.000254	0.072
rs923994	G	A	G	A	4	-0.01458	0.002402	1.3E-09	0.000163	0.000299	0.59
rs9294260	A	G	A	G	6	0.014782	0.001988	1E-13	0.000175	0.000248	0.48
rs9349235	T	C	T	C	6	0.011181	0.002009	2.6E-08	7.04E-05	0.000251	0.780001
rs935166	A	G	A	G	2	-0.01611	0.001973	3.2E-16	0.000206	0.000247	0.4
rs936134	A	T	A	T	4	-0.01184	0.002165	4.6E-08	0.000318	0.00027	0.24
rs9366863	C	T	C	T	6	-0.02851	0.0021	5.8E-42	0.000572	0.000262	0.029
rs9478496	C	T	C	T	6	0.018184	0.002675	1.1E-11	-0.00027	0.000335	0.42
rs9515446	G	A	G	A	13	0.015105	0.001991	3.2E-14	0.000604	0.000248	0.015
rs9522180	T	C	T	C	13	-0.01411	0.001993	1.5E-12	-0.00016	0.000248	0.53
rs9584870	C	T	C	T	13	-0.0131	0.002092	3.8E-10	0.00028	0.00026	0.28
rs9839081	A	G	A	G	3	-0.0117	0.00214	4.6E-08	7.54E-05	0.000267	0.780001
rs9843653	C	T	C	T	3	0.029451	0.001975	2.9E-50	4.4E-05	0.000247	0.86
rs9876664	T	G	T	G	3	-0.01805	0.002042	9.6E-19	-8.3E-05	0.000255	0.74
rs9888533	T	C	T	C	13	0.012004	0.002018	2.7E-09	0.000401	0.000251	0.11
rs9938501	T	G	T	G	16	-0.0128	0.002027	2.7E-10	0.000264	0.000253	0.3
rs9951619	G	T	G	T	18	0.014423	0.002358	9.5E-10	0.000418	0.000293	0.15