Additional file 2

SNPs used in the analyses for the nine risk factors. The risk factor estimates (beta and standard error (SE)) and breast cancer-specific survival estimates for each SNP are included.

Table S1. Alcohol consumption

						Alcohol GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	**Chr**	**Pos**	**Effect allele**	**Other allele**	**EAF**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**
rs141973904	4	100262242	T	C	0.017	-0.134	0.005	3.00E-139	0.045	0.005	4.89E-01	0.045	0.082	8.20E-02	0.152	0.130	2.43E-01
rs62250685	3	85457240	G	A	0.614	-0.016	0.002	1.00E-31	-0.006	0.002	7.53E-01	-0.020	0.023	2.28E-02	-0.011	0.036	7.51E-01
rs6951574	7	153489744	C	T	0.458	0.014	0.001	9.00E-23	0.012	0.001	5.19E-01	0.050	0.024	2.37E-02	-0.105	0.037	4.70E-03
rs4699680	4	99759132	A	G	0.957	0.031	0.003	6.00E-22	0.004	0.003	9.19E-01	-0.023	0.053	5.30E-02	-0.019	0.084	8.18E-01
rs281379	19	49214274	A	G	0.508	0.013	0.001	4.00E-21	-0.008	0.001	6.62E-01	0.007	0.022	2.21E-02	-0.019	0.035	5.91E-01
rs2668680	17	43659975	C	T	0.177	-0.017	0.002	4.00E-19	0.004	0.002	8.88E-01	0.033	0.032	3.22E-02	-0.087	0.051	8.70E-02
rs11604680	11	47457539	G	A	0.321	-0.012	0.001	4.00E-16	0.036	0.001	5.15E-02	0.020	0.024	2.41E-02	0.069	0.038	6.40E-02
rs17177078	16	24810681	T	C	0.063	-0.022	0.003	6.00E-16	-0.068	0.003	6.09E-02	-0.036	0.046	4.64E-02	-0.127	0.074	8.57E-02
rs13024996	2	144225215	A	C	0.364	-0.011	0.001	2.00E-15	-0.002	0.001	9.08E-01	-0.009	0.024	2.38E-02	-0.003	0.037	9.43E-01
rs11692435	2	98275354	A	G	0.085	0.019	0.003	3.00E-15	0.011	0.003	7.15E-01	0.019	0.037	3.73E-02	-0.004	0.059	9.39E-01
rs13094887	3	70968431	T	A	0.301	-0.011	0.001	3.00E-15	-0.021	0.001	2.51E-01	-0.023	0.024	2.41E-02	-0.016	0.038	6.80E-01
rs6982152	8	64779013	C	T	0.763	0.012	0.002	4.00E-15	-0.010	0.002	7.26E-01	-0.020	0.035	3.51E-02	-0.043	0.053	4.25E-01
rs7594223	2	225472985	C	T	0.382	-0.010	0.001	2.00E-14	0.025	0.001	1.66E-01	0.031	0.023	2.34E-02	0.022	0.037	5.44E-01
rs1940728	11	112852195	T	G	0.403	0.010	0.001	3.00E-14	-0.006	0.001	7.53E-01	-0.031	0.023	2.32E-02	0.045	0.037	2.24E-01
rs74980679	16	71779310	T	G	0.144	0.014	0.002	1.00E-13	0.050	0.002	3.97E-02	0.091	0.031	3.13E-02	-0.015	0.050	7.68E-01
rs11030084	11	27643725	T	C	0.184	-0.012	0.002	2.00E-13	-0.003	0.002	8.89E-01	-0.020	0.028	2.77E-02	0.037	0.043	3.91E-01
rs13032049	2	63581507	G	A	0.283	0.011	0.001	2.00E-13	0.029	0.001	1.25E-01	0.022	0.024	2.40E-02	0.039	0.038	3.13E-01
rs10236149	7	98977515	G	A	0.123	-0.015	0.002	4.00E-13	0.001	0.002	9.67E-01	0.051	0.032	3.23E-02	-0.128	0.053	1.59E-02
rs28680958	1	173848808	A	G	0.217	-0.011	0.002	7.00E-13	-0.027	0.002	1.97E-01	-0.026	0.027	2.70E-02	-0.018	0.042	6.70E-01
rs828867	2	74334462	A	G	0.545	0.010	0.001	8.00E-13	-0.015	0.001	5.30E-01	0.003	0.030	3.05E-02	-0.026	0.047	5.83E-01
rs2997084	1	66393732	G	C	0.433	-0.010	0.001	9.00E-13	0.022	0.001	2.27E-01	0.035	0.023	2.33E-02	0.033	0.037	3.73E-01
rs10978550	9	109345993	C	T	0.206	-0.012	0.002	2.00E-12	0.002	0.002	9.40E-01	-0.006	0.027	2.70E-02	-0.002	0.042	9.56E-01
rs58107686	1	33837334	A	C	0.328	-0.010	0.001	2.00E-12	0.002	0.001	8.95E-01	0.023	0.024	2.37E-02	-0.033	0.038	3.74E-01
rs66904764	1	71493639	C	T	0.278	0.010	0.001	3.00E-12	-0.003	0.001	8.62E-01	-0.009	0.025	2.52E-02	0.011	0.039	7.77E-01
rs10085696	7	69783020	G	A	0.186	-0.011	0.002	1.00E-11	0.015	0.002	5.98E-01	0.030	0.037	3.69E-02	0.033	0.057	5.61E-01
rs1123285	14	57274519	G	C	0.335	-0.009	0.001	2.00E-11	-0.018	0.001	3.12E-01	-0.019	0.023	2.34E-02	-0.032	0.037	3.87E-01
rs12466127	2	162815262	A	C	0.378	0.009	0.001	2.00E-11	0.001	0.001	9.66E-01	0.018	0.023	2.28E-02	-0.020	0.036	5.84E-01
rs823114	1	205719532	A	G	0.553	0.009	0.001	2.00E-11	-0.009	0.001	5.98E-01	0.000	0.022	2.19E-02	-0.013	0.034	7.04E-01
rs968050	6	98574560	T	C	0.483	0.009	0.001	2.00E-11	0.012	0.001	4.90E-01	-0.012	0.023	2.30E-02	0.038	0.036	2.89E-01
rs1814032	8	93005447	A	C	0.224	-0.011	0.002	3.00E-11	-0.004	0.002	8.50E-01	0.008	0.026	2.58E-02	0.013	0.040	7.54E-01
rs2872041	18	53064491	A	G	0.455	-0.009	0.001	4.00E-11	-0.011	0.001	5.18E-01	-0.018	0.022	2.23E-02	0.025	0.035	4.69E-01
rs72859280	2	147956293	T	G	0.036	0.024	0.004	4.00E-11	0.080	0.004	1.97E-01	0.085	0.081	8.12E-02	0.134	0.119	2.59E-01
rs17542254	11	113655696	G	A	0.275	0.010	0.001	5.00E-11	0.011	0.001	5.86E-01	0.026	0.025	2.52E-02	0.017	0.039	6.66E-01
rs2525565	17	29666588	C	T	0.619	0.009	0.001	6.00E-11	-0.009	0.001	6.25E-01	-0.005	0.022	2.25E-02	0.014	0.036	6.91E-01
rs10506274	12	81601464	T	G	0.484	-0.009	0.001	8.00E-11	-0.004	0.001	8.32E-01	0.001	0.022	2.23E-02	-0.013	0.035	7.11E-01
rs12907323	15	86796012	G	A	0.411	0.009	0.001	9.00E-11	-0.005	0.001	7.92E-01	0.011	0.022	2.23E-02	-0.041	0.035	2.45E-01
rs2472297	15	75027880	T	C	0.249	0.010	0.002	9.00E-11	0.011	0.002	5.95E-01	-0.008	0.027	2.74E-02	0.053	0.043	2.10E-01
rs1025143	15	47685059	C	T	0.357	0.009	0.001	1.00E-10	0.027	0.001	1.27E-01	0.034	0.023	2.29E-02	0.000	0.035	9.96E-01
rs4815364	20	25035711	A	G	0.616	0.009	0.001	2.00E-10	0.015	0.001	4.01E-01	0.030	0.023	2.34E-02	0.013	0.037	7.19E-01
rs4842786	12	92170791	A	G	0.584	-0.009	0.001	2.00E-10	-0.005	0.001	7.86E-01	-0.008	0.022	2.23E-02	0.019	0.035	5.85E-01
rs7956306	12	51834008	A	G	0.459	-0.008	0.001	2.00E-10	0.008	0.001	6.34E-01	0.008	0.022	2.19E-02	0.021	0.035	5.52E-01
rs28601761	8	126500031	G	C	0.420	0.008	0.001	3.00E-10	-0.010	0.001	5.94E-01	-0.004	0.023	2.33E-02	-0.041	0.036	2.50E-01
rs9607814	22	41946519	A	C	0.200	-0.011	0.002	3.00E-10	-0.020	0.002	3.54E-01	-0.035	0.028	2.79E-02	-0.001	0.044	9.74E-01
rs1714524	3	158273096	T	C	0.551	-0.008	0.001	6.00E-10	-0.010	0.001	5.67E-01	-0.002	0.022	2.19E-02	-0.017	0.034	6.21E-01
rs17665139	10	125093880	T	C	0.149	-0.011	0.002	7.00E-10	-0.020	0.002	3.96E-01	-0.022	0.031	3.07E-02	-0.002	0.048	9.73E-01
rs2132489	11	133647594	T	C	0.567	0.008	0.001	7.00E-10	-0.007	0.001	7.14E-01	-0.027	0.023	2.34E-02	0.083	0.037	2.41E-02
rs59367532	16	64532377	G	A	0.254	-0.009	0.002	8.00E-10	0.031	0.002	1.10E-01	0.038	0.025	2.53E-02	-0.017	0.041	6.70E-01
rs11125166	2	48462924	C	T	0.731	-0.009	0.002	9.00E-10	-0.018	0.002	3.70E-01	-0.020	0.025	2.52E-02	-0.014	0.040	7.26E-01
rs12572486	10	110545082	C	G	0.259	-0.009	0.002	9.00E-10	-0.015	0.002	4.57E-01	0.006	0.025	2.54E-02	0.001	0.040	9.79E-01
rs1937529	13	68107861	T	C	0.521	-0.008	0.001	1.00E-09	-0.014	0.001	4.20E-01	-0.009	0.022	2.25E-02	-0.024	0.036	4.93E-01
rs9893690	17	17753846	T	A	0.643	0.008	0.001	1.00E-09	0.003	0.001	8.76E-01	0.005	0.023	2.26E-02	0.026	0.035	4.57E-01
rs13068318	3	81321114	T	C	0.207	0.010	0.002	2.00E-09	0.007	0.002	8.07E-01	-0.021	0.036	3.65E-02	0.057	0.054	2.93E-01
rs1378835	3	117653416	G	T	0.546	0.008	0.001	2.00E-09	-0.015	0.001	3.71E-01	-0.016	0.022	2.19E-02	-0.023	0.035	5.18E-01
rs2299409	7	103812171	A	G	0.529	-0.008	0.001	2.00E-09	-0.048	0.001	4.90E-03	-0.044	0.022	2.20E-02	-0.075	0.034	2.71E-02
rs4092465	18	55080437	G	A	0.635	-0.008	0.001	2.00E-09	0.012	0.001	6.28E-01	0.005	0.031	3.10E-02	0.003	0.047	9.51E-01
rs6451575	5	19959057	T	A	0.573	-0.008	0.001	2.00E-09	-0.015	0.001	3.64E-01	-0.032	0.022	2.19E-02	0.010	0.034	7.59E-01
rs7581524	2	113234316	T	C	0.279	0.009	0.001	2.00E-09	-0.003	0.001	8.56E-01	-0.030	0.024	2.43E-02	0.018	0.038	6.34E-01
rs8097672	18	1839601	T	A	0.147	0.011	0.002	2.00E-09	0.007	0.002	7.73E-01	-0.007	0.031	3.06E-02	0.033	0.048	4.87E-01
rs10438820	17	78524597	T	C	0.702	0.009	0.001	3.00E-09	0.026	0.001	1.75E-01	0.020	0.025	2.50E-02	0.016	0.039	6.86E-01
rs13357015	5	80263403	A	G	0.645	0.008	0.001	3.00E-09	-0.002	0.001	8.99E-01	0.023	0.023	2.26E-02	-0.026	0.036	4.64E-01
rs4421172	6	92201719	T	C	0.627	-0.008	0.001	4.00E-09	-0.001	0.001	9.72E-01	0.009	0.023	2.27E-02	-0.028	0.036	4.44E-01
rs6671130	1	73851687	G	T	0.601	-0.008	0.001	4.00E-09	-0.035	0.001	4.43E-02	-0.045	0.022	2.23E-02	-0.020	0.035	5.74E-01
rs9838144	3	131576287	C	G	0.209	-0.010	0.002	4.00E-09	-0.011	0.002	9.68E-01	0.015	0.028	2.82E-02	0.028	0.044	5.26E-01
rs1286127	14	91390341	T	C	0.551	-0.008	0.001	5.00E-09	0.034	0.001	4.95E-02	0.040	0.022	2.20E-02	0.036	0.035	3.09E-01
rs55932213	9	108755622	G	A	0.736	0.009	0.002	5.00E-09	0.019	0.002	3.49E-01	0.015	0.026	2.56E-02	0.015	0.040	7.02E-01
rs10753661	1	165119792	A	G	0.684	-0.008	0.001	6.00E-09	0.016	0.001	4.13E-01	0.020	0.024	2.45E-02	-0.026	0.038	4.97E-01
rs13250583	8	20949917	T	C	0.213	-0.009	0.002	6.00E-09	0.015	0.002	4.84E-01	0.006	0.027	2.68E-02	0.059	0.042	1.64E-01
rs1426371	12	108629780	A	G	0.259	-0.009	0.002	6.00E-09	0.021	0.002	4.64E-01	0.004	0.037	3.73E-02	0.013	0.058	8.18E-01
rs2080870	5	60388313	T	A	0.747	-0.009	0.002	6.00E-09	0.040	0.002	4.35E-02	0.027	0.025	2.54E-02	0.046	0.040	2.47E-01
rs883323	5	166987744	T	C	0.624	-0.008	0.001	6.00E-09	-0.045	0.001	5.59E-02	-0.039	0.030	3.00E-02	-0.052	0.046	2.56E-01
rs3117334	6	29217514	T	G	0.501	0.008	0.001	7.00E-09	-0.023	0.001	1.74E-01	-0.065	0.022	2.19E-02	0.067	0.034	5.17E-02
rs55872084	5	155902003	T	G	0.235	0.009	0.002	9.00E-09	-0.006	0.002	7.57E-01	0.015	0.026	2.63E-02	0.000	0.042	9.93E-01
rs2279829	3	147106319	T	C	0.215	-0.009	0.002	1.00E-08	0.001	0.002	9.57E-01	0.001	0.028	2.81E-02	0.056	0.044	2.02E-01
rs8106871	19	42651600	T	C	0.118	0.012	0.002	1.00E-08	-0.024	0.002	3.90E-01	-0.001	0.036	3.56E-02	-0.034	0.056	5.44E-01
rs9325144	12	39018673	T	C	0.348	-0.008	0.001	1.00E-08	0.027	0.001	2.95E-01	0.037	0.033	3.28E-02	-0.023	0.051	6.43E-01
rs111908763	14	79932823	T	C	0.193	-0.009	0.002	2.00E-08	0.009	0.002	6.80E-01	-0.015	0.029	2.87E-02	0.017	0.044	6.97E-01
rs12651313	4	171086393	G	C	0.443	-0.007	0.001	2.00E-08	0.001	0.001	9.81E-01	-0.001	0.029	2.93E-02	0.021	0.044	6.35E-01
rs12655091	5	144412335	A	G	0.530	-0.007	0.001	2.00E-08	-0.037	0.001	3.31E-02	-0.035	0.023	2.26E-02	-0.069	0.035	5.03E-02
rs13148010	4	29694698	A	G	0.421	-0.008	0.001	2.00E-08	0.005	0.001	7.63E-01	0.020	0.023	2.33E-02	-0.011	0.036	7.62E-01
rs2297605	9	127255448	A	G	0.459	0.008	0.001	2.00E-08	0.000	0.001	9.95E-01	-0.018	0.022	2.22E-02	0.024	0.035	4.86E-01
rs2771046	9	23810888	A	C	0.188	0.009	0.002	2.00E-08	-0.017	0.002	5.78E-01	0.005	0.039	3.88E-02	-0.154	0.061	1.11E-02
rs339095	7	128406047	G	C	0.497	-0.007	0.001	2.00E-08	0.011	0.001	6.15E-01	-0.011	0.029	2.95E-02	-0.005	0.044	9.14E-01
rs6845321	4	113595869	T	C	0.306	0.008	0.001	2.00E-08	-0.013	0.001	6.08E-01	0.007	0.032	3.18E-02	-0.076	0.049	1.22E-01
rs7146019	14	99734984	G	A	0.578	0.008	0.001	2.00E-08	-0.026	0.001	2.78E-01	-0.008	0.031	3.08E-02	-0.114	0.046	1.43E-02
rs72630922	8	33662401	A	G	0.419	-0.008	0.001	2.00E-08	0.056	0.001	1.49E-02	0.065	0.029	2.94E-02	0.020	0.045	6.54E-01
rs2764771	16	20013793	A	G	0.307	0.008	0.001	3.00E-08	0.005	0.001	7.89E-01	-0.009	0.024	2.39E-02	0.040	0.037	2.84E-01
rs3761422	22	24826672	C	T	0.607	0.008	0.001	3.00E-08	0.020	0.001	3.81E-01	0.018	0.030	3.00E-02	0.013	0.045	7.71E-01
rs6777420	3	142002869	T	C	0.131	0.011	0.002	3.00E-08	-0.053	0.002	4.51E-02	-0.039	0.034	3.41E-02	-0.086	0.055	1.21E-01
rs9277636	6	33082512	G	A	0.153	0.011	0.002	3.00E-08	0.000	0.002	9.96E-01	0.020	0.030	2.99E-02	-0.049	0.047	3.00E-01
rs9613472	22	27972479	G	A	0.540	0.007	0.001	3.00E-08	0.015	0.001	3.90E-01	0.024	0.023	2.29E-02	0.000	0.036	9.90E-01
rs10166377	2	44312697	A	G	0.165	-0.010	0.002	4.00E-08	-0.028	0.002	2.50E-01	-0.051	0.032	3.16E-02	0.011	0.049	8.26E-01
rs10948615	6	51339421	C	A	0.306	-0.008	0.001	4.00E-08	0.002	0.001	8.99E-01	-0.005	0.024	2.40E-02	-0.030	0.038	4.29E-01
rs12185569	2	202875552	A	G	0.249	-0.008	0.002	4.00E-08	0.037	0.002	6.19E-02	0.041	0.025	2.54E-02	0.059	0.040	1.37E-01
rs13002088	2	178171918	A	G	0.784	0.009	0.002	4.00E-08	0.015	0.002	4.67E-01	0.009	0.027	2.68E-02	0.022	0.042	6.08E-01
rs147537311	2	206891281	T	A	0.089	-0.013	0.002	4.00E-08	0.034	0.002	2.80E-01	0.035	0.041	4.11E-02	0.057	0.063	3.69E-01
rs2300669	3	38541318	A	C	0.386	-0.007	0.001	4.00E-08	0.013	0.001	5.85E-01	0.001	0.030	3.02E-02	0.054	0.045	2.36E-01
rs61861298	10	125418287	C	A	0.233	-0.009	0.002	4.00E-08	-0.010	0.002	6.06E-01	0.005	0.026	2.60E-02	-0.023	0.042	5.86E-01
rs7618629	3	184023061	G	A	0.754	0.008	0.002	5.00E-08	0.007	0.002	7.22E-01	0.008	0.025	2.55E-02	0.009	0.040	8.17E-01

* Total number of SNPs after harmonization and filtering from originally 155 SNPs

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S2. Body mass index

						BMI GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	Chr	Pos	Effect allele	Other allele	EAF	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value
rs543874	1	177889480	A	G	0.813	-0.048	0.003	4.00E-52	-0.031	0.021	1.52E-01	-0.042	0.027	1.30E-01	0.028	0.044	5.22E-01
rs4715210	6	50897251	T	C	0.178	0.04	0.003	2.00E-34	0.012	0.023	5.99E-01	0.016	0.029	5.85E-01	0.027	0.045	5.48E-01
rs7647305	3	185834290	T	C	0.210	-0.036	0.003	7.00E-31	0.004	0.021	8.67E-01	0.004	0.027	8.76E-01	-0.012	0.043	7.73E-01
rs9563576	13	58670147	C	T	0.819	-0.023	0.002	6.00E-28	-0.001	0.022	9.76E-01	0.012	0.029	6.68E-01	0.003	0.045	9.47E-01
rs2112347	5	75015242	T	G	0.633	0.027	0.003	3.00E-26	0.018	0.018	2.96E-01	0.035	0.023	1.21E-01	-0.031	0.035	3.73E-01
rs7161194	14	101529005	G	A	0.674	0.018	0.002	1.00E-22	0.000	0.024	9.88E-01	-0.027	0.031	3.78E-01	0.005	0.047	9.13E-01
rs13107325	4	103188709	T	C	0.070	0.051	0.005	3.00E-21	-0.047	0.036	1.85E-01	-0.041	0.046	3.76E-01	-0.023	0.074	7.56E-01
rs10019997	4	137048599	T	C	0.408	0.015	0.002	7.00E-21	-0.002	0.018	8.92E-01	-0.020	0.023	3.82E-01	0.087	0.035	1.32E-02
rs10968576	9	28414339	A	G	0.688	-0.025	0.003	7.00E-21	-0.010	0.018	5.89E-01	-0.011	0.024	6.28E-01	0.029	0.037	4.38E-01
rs7144011	14	79940383	G	T	0.782	-0.029	0.003	3.00E-20	-0.005	0.021	8.11E-01	0.016	0.027	5.65E-01	-0.024	0.042	5.71E-01
rs7124681	11	47529947	C	A	0.593	-0.023	0.003	1.00E-19	-0.032	0.018	7.75E-02	-0.020	0.023	3.85E-01	-0.038	0.036	2.94E-01
rs12429545	13	54102206	G	A	0.874	-0.032	0.004	5.00E-18	-0.036	0.033	2.88E-01	0.005	0.043	9.08E-01	-0.077	0.064	2.30E-01
rs1436351	3	104617973	T	G	0.753	0.016	0.002	2.00E-17	-0.001	0.020	9.48E-01	-0.001	0.026	9.65E-01	-0.034	0.041	4.07E-01
rs4735692	8	76615663	A	G	0.579	0.024	0.003	7.00E-17	0.033	0.017	5.40E-02	0.044	0.022	4.88E-02	0.012	0.035	7.39E-01
rs4130548	1	78463868	T	C	0.645	-0.022	0.003	2.00E-16	0.000	0.019	9.82E-01	0.016	0.024	4.99E-01	-0.065	0.038	8.36E-02
rs6142096	20	32686658	A	G	0.536	0.014	0.002	2.00E-16	0.011	0.017	5.30E-01	-0.007	0.022	7.51E-01	0.031	0.035	3.70E-01
rs657452	1	49589847	A	G	0.389	0.021	0.003	5.00E-16	-0.015	0.018	4.05E-01	-0.009	0.023	6.94E-01	-0.031	0.036	3.97E-01
rs10742752	11	45438374	C	T	0.611	0.013	0.002	6.00E-16	-0.026	0.018	1.47E-01	-0.039	0.023	9.40E-02	0.032	0.037	3.81E-01
rs4833079	4	38654681	T	C	0.604	-0.013	0.002	8.00E-16	0.006	0.018	7.32E-01	-0.020	0.023	3.89E-01	0.061	0.036	9.15E-02
rs11081818	18	31251088	A	G	0.443	0.014	0.002	1.00E-15	0.002	0.017	9.28E-01	-0.033	0.022	1.39E-01	0.089	0.035	1.04E-02
rs2365389	3	61236462	C	T	0.590	0.02	0.003	3.00E-15	-0.021	0.017	2.21E-01	-0.003	0.022	8.98E-01	-0.039	0.035	2.64E-01
rs10132280	14	25928179	C	A	0.694	0.022	0.003	6.00E-15	0.012	0.019	5.23E-01	0.028	0.024	2.42E-01	-0.012	0.038	7.54E-01
rs1819844	12	68205604	A	G	0.179	-0.016	0.002	2.00E-14	0.011	0.022	6.12E-01	0.052	0.028	6.43E-02	-0.116	0.046	1.15E-02
rs7903146	10	114758349	T	C	0.289	-0.021	0.003	3.00E-14	0.012	0.018	5.21E-01	-0.009	0.024	7.06E-01	0.002	0.037	9.56E-01
rs7599312	2	213413231	G	A	0.715	0.021	0.003	4.00E-14	0.022	0.019	2.63E-01	0.017	0.025	4.97E-01	0.040	0.039	3.11E-01
rs9400239	6	108977663	T	C	0.298	-0.02	0.003	5.00E-14	0.010	0.019	5.95E-01	0.042	0.024	7.94E-02	-0.016	0.038	6.64E-01
rs7613875	3	49971514	A	C	0.529	0.02	0.003	7.00E-14	0.005	0.017	7.63E-01	0.026	0.022	2.45E-01	0.004	0.034	8.98E-01
rs118067556	10	63136165	C	T	0.971	-0.035	0.005	1.00E-13	0.034	0.055	5.34E-01	0.091	0.072	2.06E-01	-0.140	0.111	2.06E-01
rs2075650	19	45395619	A	G	0.856	0.027	0.004	1.00E-13	-0.021	0.025	4.18E-01	0.018	0.033	5.87E-01	-0.116	0.050	1.94E-02
rs887912	2	59302877	C	T	0.722	-0.021	0.003	1.00E-13	-0.002	0.019	9.19E-01	0.003	0.025	8.90E-01	-0.034	0.039	3.80E-01
rs11165643	1	96924097	C	T	0.422	-0.019	0.003	3.00E-13	0.026	0.023	2.58E-01	0.018	0.029	5.30E-01	-0.001	0.045	9.73E-01
rs3026101	17	5280440	T	C	0.696	-0.02	0.003	3.00E-13	-0.009	0.018	6.16E-01	-0.010	0.024	6.73E-01	-0.013	0.037	7.22E-01
rs12352785	9	6956850	A	C	0.316	-0.013	0.002	6.00E-13	-0.021	0.018	2.57E-01	-0.010	0.023	6.62E-01	-0.024	0.038	5.26E-01
rs1396141	2	41673745	T	C	0.660	0.013	0.002	7.00E-13	-0.002	0.018	8.92E-01	0.014	0.023	5.49E-01	-0.027	0.037	4.57E-01
rs10733682	9	129460914	G	A	0.522	-0.019	0.003	8.00E-13	-0.020	0.017	2.42E-01	-0.009	0.022	6.94E-01	-0.046	0.035	1.84E-01
rs11170468	12	39430048	A	C	0.756	-0.014	0.002	8.00E-13	-0.036	0.027	1.79E-01	-0.015	0.034	6.70E-01	-0.097	0.051	5.97E-02
rs2481665	1	62594677	T	C	0.552	0.018	0.003	1.00E-12	0.010	0.017	5.60E-01	0.021	0.022	3.30E-01	0.010	0.034	7.73E-01
rs1441264	13	79580919	G	A	0.398	-0.018	0.003	2.00E-12	-0.016	0.023	4.84E-01	-0.004	0.030	8.85E-01	-0.031	0.046	4.99E-01
rs16996700	20	50981945	T	C	0.741	0.02	0.003	2.00E-12	-0.026	0.026	3.16E-01	-0.045	0.033	1.68E-01	0.001	0.051	9.87E-01
rs2650492	16	28333411	G	A	0.688	-0.021	0.003	2.00E-12	-0.016	0.025	5.26E-01	-0.016	0.032	6.26E-01	-0.030	0.048	5.34E-01
rs815610	5	153517178	C	G	0.437	0.02	0.003	2.00E-12	0.010	0.017	5.64E-01	0.004	0.022	8.72E-01	0.021	0.035	5.53E-01
rs1167827	7	75163169	A	G	0.429	-0.019	0.003	3.00E-12	0.014	0.017	4.17E-01	0.000	0.022	9.85E-01	0.054	0.035	1.17E-01
rs28573110	17	34914365	G	A	0.458	-0.019	0.003	3.00E-12	-0.008	0.023	7.22E-01	-0.030	0.029	3.13E-01	0.070	0.044	1.12E-01
rs6569648	6	130349119	C	T	0.233	-0.013	0.002	5.00E-12	0.025	0.020	2.14E-01	0.017	0.026	5.05E-01	0.058	0.041	1.61E-01
rs6804842	3	25106437	A	G	0.417	-0.017	0.002	6.00E-12	-0.063	0.023	6.12E-03	-0.083	0.030	5.12E-03	-0.033	0.045	4.67E-01
rs6870983	5	87697533	C	T	0.781	0.02	0.003	9.00E-12	-0.007	0.020	7.22E-01	-0.013	0.026	6.19E-01	0.012	0.041	7.69E-01
rs11679338	2	181606895	C	T	0.317	-0.02	0.003	2.00E-11	0.008	0.018	6.72E-01	0.024	0.023	3.12E-01	-0.008	0.037	8.25E-01
rs977747	1	47684677	G	T	0.609	-0.017	0.003	2.00E-11	-0.012	0.018	5.04E-01	-0.026	0.023	2.41E-01	-0.033	0.036	3.56E-01
rs12939549	17	78611724	A	G	0.556	0.017	0.003	3.00E-11	-0.016	0.023	4.74E-01	0.006	0.030	8.42E-01	-0.019	0.045	6.80E-01
rs7899106	10	87410904	A	G	0.953	-0.039	0.006	3.00E-11	0.025	0.040	5.38E-01	-0.020	0.051	6.99E-01	0.130	0.081	1.08E-01
rs9581854	13	28017782	C	T	0.809	-0.024	0.004	3.00E-11	0.054	0.022	1.32E-02	0.068	0.028	1.61E-02	0.050	0.045	2.61E-01
rs11126666	2	26928811	G	A	0.716	-0.019	0.003	5.00E-11	0.018	0.021	3.85E-01	0.006	0.027	8.13E-01	-0.036	0.041	3.82E-01
rs2759315	15	81009646	A	C	0.438	0.018	0.003	5.00E-11	-0.009	0.017	5.95E-01	-0.024	0.022	2.71E-01	0.030	0.035	3.94E-01
rs2145272	20	6626218	A	G	0.660	0.018	0.003	6.00E-11	0.012	0.018	5.26E-01	0.024	0.024	3.18E-01	-0.016	0.037	6.73E-01
rs7204797	16	29968015	C	T	0.560	-0.019	0.003	6.00E-11	-0.023	0.017	1.84E-01	-0.013	0.022	5.62E-01	-0.053	0.035	1.29E-01
rs10920678	1	190239907	A	G	0.425	0.017	0.003	7.00E-11	0.028	0.023	2.18E-01	0.026	0.029	3.83E-01	0.031	0.045	4.91E-01
rs2836754	21	40291740	T	C	0.382	-0.017	0.003	7.00E-11	-0.015	0.018	4.06E-01	-0.002	0.023	9.44E-01	-0.048	0.036	1.76E-01
rs7143963	14	103304425	T	C	0.172	0.021	0.003	8.00E-11	0.013	0.022	5.59E-01	0.004	0.028	8.93E-01	0.015	0.045	7.39E-01
rs10460960	3	42308735	A	G	0.883	0.025	0.004	1.00E-10	-0.030	0.036	4.08E-01	-0.048	0.046	3.00E-01	0.008	0.071	9.12E-01
rs1928295	9	120378483	T	C	0.555	0.016	0.002	1.00E-10	-0.007	0.017	6.87E-01	0.038	0.022	9.00E-02	-0.120	0.035	5.63E-04
rs4755726	11	43642130	T	G	0.297	0.018	0.003	1.00E-10	-0.005	0.018	7.71E-01	0.003	0.024	9.07E-01	0.021	0.037	5.79E-01
rs1927790	13	96922191	T	C	0.581	-0.016	0.003	2.00E-10	-0.012	0.018	5.15E-01	-0.026	0.024	2.67E-01	0.021	0.037	5.67E-01
rs215607	7	32338337	G	A	0.219	0.024	0.004	2.00E-10	-0.014	0.021	5.27E-01	-0.030	0.028	2.80E-01	0.003	0.043	9.50E-01
rs6477694	9	111932342	C	T	0.363	0.016	0.003	2.00E-10	0.012	0.018	4.95E-01	0.037	0.023	1.04E-01	-0.009	0.036	8.03E-01
rs889398	16	69556715	C	T	0.569	0.016	0.003	2.00E-10	0.006	0.017	7.30E-01	0.012	0.022	5.88E-01	-0.009	0.035	7.99E-01
rs9364687	6	163817911	G	T	0.574	-0.01	0.002	2.00E-10	-0.028	0.023	2.16E-01	-0.023	0.030	4.44E-01	-0.071	0.044	1.07E-01
rs972540	2	207244783	A	G	0.735	-0.018	0.003	2.00E-10	0.007	0.020	7.50E-01	0.006	0.026	8.14E-01	-0.049	0.042	2.37E-01
rs11057405	12	122973897	A	G	0.104	-0.029	0.005	3.00E-10	0.006	0.039	8.82E-01	-0.061	0.052	2.36E-01	0.090	0.074	2.27E-01
rs2044148	2	24737833	G	A	0.773	0.02	0.003	3.00E-10	-0.012	0.022	5.77E-01	0.012	0.029	6.73E-01	0.009	0.044	8.46E-01
rs4820408	22	40604945	G	T	0.604	-0.016	0.003	3.00E-10	0.003	0.017	8.49E-01	0.007	0.022	7.37E-01	-0.007	0.035	8.37E-01
rs1816537	11	112968651	A	C	0.451	-0.018	0.003	4.00E-10	0.003	0.017	8.48E-01	0.005	0.022	8.11E-01	-0.008	0.036	8.15E-01
rs206936	6	34302869	A	G	0.801	-0.019	0.003	4.00E-10	0.012	0.021	5.65E-01	-0.002	0.027	9.45E-01	0.028	0.043	5.15E-01
rs2890652	2	142959931	T	C	0.812	-0.024	0.004	4.00E-10	0.007	0.023	7.66E-01	0.018	0.030	5.52E-01	-0.034	0.046	4.54E-01
rs4740619	9	15634326	C	T	0.440	-0.016	0.003	4.00E-10	-0.020	0.017	2.54E-01	-0.051	0.022	2.23E-02	0.026	0.035	4.53E-01
rs17016673	2	79497779	C	G	0.895	-0.028	0.005	5.00E-10	-0.064	0.027	1.74E-02	-0.049	0.035	1.59E-01	-0.079	0.055	1.47E-01
rs7580766	2	42939351	G	A	0.558	0.011	0.002	6.00E-10	-0.013	0.017	4.51E-01	-0.036	0.022	1.02E-01	0.029	0.034	3.96E-01
rs1561589	10	126695673	G	A	0.644	-0.017	0.003	7.00E-10	-0.012	0.018	5.11E-01	-0.035	0.023	1.20E-01	0.028	0.036	4.37E-01
rs17759796	22	22190163	A	C	0.132	0.014	0.002	7.00E-10	-0.061	0.024	1.18E-02	-0.075	0.031	1.71E-02	-0.033	0.049	5.01E-01
rs7239883	18	40147671	A	G	0.608	-0.016	0.003	7.00E-10	-0.024	0.018	1.68E-01	-0.014	0.023	5.36E-01	-0.056	0.036	1.18E-01
rs7164727	15	73093991	T	C	0.692	0.016	0.003	9.00E-10	-0.007	0.019	7.09E-01	0.020	0.024	4.02E-01	-0.029	0.038	4.45E-01
rs17203016	2	208255518	A	G	0.795	-0.02	0.003	1.00E-09	-0.024	0.022	2.57E-01	-0.046	0.028	1.02E-01	0.053	0.044	2.33E-01
rs11181001	12	41948196	G	A	0.532	-0.015	0.003	2.00E-09	0.010	0.017	5.67E-01	0.024	0.022	2.80E-01	0.003	0.035	9.27E-01
rs1801282	3	12393125	C	G	0.874	-0.023	0.004	2.00E-09	-0.020	0.026	4.54E-01	0.027	0.034	4.36E-01	-0.074	0.052	1.55E-01
rs34811474	4	25408838	A	G	0.220	-0.02	0.003	2.00E-09	-0.011	0.032	7.26E-01	0.000	0.041	9.97E-01	-0.014	0.064	8.27E-01
rs12961799	18	12904399	C	T	0.284	0.011	0.002	3.00E-09	-0.042	0.019	2.76E-02	-0.030	0.025	2.17E-01	-0.059	0.039	1.27E-01
rs4072096	2	227036603	A	C	0.502	-0.015	0.003	3.00E-09	-0.001	0.018	9.72E-01	-0.001	0.023	9.78E-01	0.002	0.036	9.66E-01
rs2245368	7	76608143	C	T	0.179	0.025	0.004	5.00E-09	-0.016	0.029	5.90E-01	-0.022	0.038	5.54E-01	-0.005	0.058	9.26E-01
rs2270204	9	131042734	T	G	0.760	-0.018	0.003	5.00E-09	0.048	0.026	6.67E-02	0.041	0.034	2.28E-01	0.030	0.052	5.68E-01
rs4238331	15	59012133	T	G	0.299	-0.011	0.002	5.00E-09	0.055	0.028	4.73E-02	0.019	0.036	5.95E-01	0.086	0.054	1.14E-01
rs12770228	10	21783634	G	A	0.663	-0.018	0.003	6.00E-09	-0.005	0.018	7.71E-01	-0.006	0.023	8.05E-01	0.015	0.036	6.77E-01
rs1808192	17	45794706	A	G	0.342	0.016	0.003	6.00E-09	-0.023	0.018	2.17E-01	-0.047	0.024	4.86E-02	0.068	0.036	6.12E-02
rs3184504	12	111884608	C	T	0.512	0.015	0.003	6.00E-09	0.009	0.017	6.04E-01	0.020	0.022	3.57E-01	0.050	0.034	1.47E-01
rs7181659	15	95267483	A	G	0.522	0.015	0.003	6.00E-09	-0.022	0.017	1.99E-01	-0.010	0.022	6.37E-01	-0.015	0.034	6.63E-01
rs2080454	16	49062590	C	A	0.389	0.015	0.003	8.00E-09	-0.001	0.018	9.77E-01	-0.010	0.023	6.73E-01	0.041	0.037	2.66E-01
rs513357	6	69558698	G	A	0.885	0.015	0.003	8.00E-09	0.036	0.027	1.89E-01	0.037	0.035	2.95E-01	-0.045	0.055	4.21E-01
rs1720825	3	138108083	G	A	0.811	-0.018	0.003	9.00E-09	0.028	0.029	3.31E-01	0.034	0.037	3.64E-01	-0.074	0.056	1.86E-01
rs2075171	2	58688907	G	A	0.766	0.017	0.003	1.00E-08	-0.001	0.021	9.52E-01	0.031	0.027	2.59E-01	-0.047	0.042	2.66E-01
rs3783890	14	93790276	T	C	0.813	0.018	0.003	1.00E-08	-0.033	0.022	1.22E-01	-0.060	0.028	2.86E-02	0.004	0.044	9.24E-01
rs6504108	17	46292923	C	T	0.282	0.016	0.003	1.00E-08	0.038	0.019	4.01E-02	0.029	0.024	2.22E-01	0.032	0.038	4.00E-01
rs10929925	2	6155557	A	C	0.454	-0.014	0.002	2.00E-08	0.026	0.018	1.62E-01	0.020	0.024	4.02E-01	0.041	0.036	2.56E-01
rs7191155	16	19800213	T	C	0.830	0.023	0.004	2.00E-08	-0.010	0.023	6.48E-01	0.014	0.030	6.35E-01	-0.077	0.045	8.59E-02
rs756717	16	72996162	A	G	0.399	-0.015	0.003	2.00E-08	0.007	0.018	7.00E-01	0.017	0.023	4.56E-01	0.019	0.037	6.09E-01
rs7570971	2	135837906	C	A	0.613	0.015	0.003	2.00E-08	0.026	0.033	4.28E-01	0.038	0.042	3.73E-01	0.018	0.069	7.91E-01
rs4986044	17	21261560	C	T	0.532	0.015	0.003	3.00E-08	-0.029	0.017	9.14E-02	-0.020	0.022	3.69E-01	-0.030	0.034	3.85E-01
rs876424	3	131637676	T	G	0.657	-0.017	0.003	3.00E-08	0.010	0.019	5.79E-01	0.010	0.024	6.79E-01	-0.040	0.038	2.96E-01
rs1460676	2	164567689	T	C	0.826	-0.018	0.003	4.00E-08	-0.010	0.023	6.75E-01	-0.029	0.029	3.13E-01	0.035	0.046	4.45E-01
rs492400	2	219349752	C	T	0.420	0.014	0.003	4.00E-08	-0.010	0.018	5.85E-01	-0.014	0.023	5.42E-01	0.025	0.036	4.98E-01
rs2185027	6	153381622	A	C	0.701	-0.015	0.003	5.00E-08	0.009	0.018	6.31E-01	-0.007	0.024	7.68E-01	0.067	0.038	7.45E-02

* Total number of SNPs after harmonization and filtering from originally 287 SNPs

SNPs removed. Overlapping between BMI and T2DM
SNPs removed. In linkage desequilibrium with SNPs in T2DM

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S3. Height

						Height GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	Chr	Pos	Effect allele	Other allele	EAF	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value
rs724016	3	141105570	A	G	0.558	-0.078	0.003	3.00E-158	-0.003	0.017	8.38E-01	0.022	0.022	3.23E-01	-0.075	0.034	2.85E-02
rs143384	20	34025756	A	G	0.564	-0.075	0.030	1.00E-121	0.029	0.018	1.02E-01	0.029	0.023	2.05E-01	0.003	0.036	9.43E-01
rs42039	7	92244422	T	C	0.246	0.068	0.003	4.00E-88	-0.010	0.019	5.99E-01	-0.026	0.025	3.02E-01	-0.027	0.039	4.93E-01
rs1812175	4	145574844	A	G	0.162	-0.079	0.004	2.00E-86	-0.021	0.023	3.62E-01	-0.033	0.029	2.64E-01	-0.021	0.046	6.51E-01
rs7692995	4	17936634	T	C	0.844	0.074	0.004	1.00E-71	-0.014	0.023	5.37E-01	-0.004	0.030	8.95E-01	-0.001	0.046	9.88E-01
rs798497	7	2795957	A	G	0.701	0.057	0.003	2.00E-71	-0.005	0.018	7.66E-01	0.003	0.024	8.88E-01	-0.012	0.038	7.52E-01
rs3791679	2	56096892	A	G	0.763	0.06	0.004	2.00E-67	-0.007	0.020	7.18E-01	-0.012	0.026	6.53E-01	0.027	0.040	4.99E-01
rs4896582	6	142703877	A	G	0.304	-0.051	0.003	3.00E-55	0.020	0.018	2.68E-01	0.004	0.024	8.51E-01	0.059	0.037	1.10E-01
rs4369779	18	20735408	C	T	0.791	0.056	0.004	2.00E-53	-0.006	0.021	7.63E-01	0.019	0.027	4.83E-01	-0.043	0.043	3.11E-01
rs3814333	1	184007119	T	C	0.310	0.049	0.003	5.00E-51	0.006	0.018	7.56E-01	-0.007	0.024	7.63E-01	0.037	0.037	3.11E-01
rs12214804	6	34188866	T	C	0.917	-0.084	0.006	2.00E-49	-0.022	0.030	4.76E-01	-0.070	0.038	6.73E-02	0.037	0.063	5.53E-01
rs3825199	12	93976954	G	A	0.224	0.051	0.004	4.00E-49	-0.041	0.021	4.76E-02	-0.027	0.026	3.12E-01	-0.032	0.041	4.37E-01
rs17556750	4	82155568	A	C	0.304	0.046	0.003	8.00E-48	0.004	0.019	8.36E-01	-0.031	0.024	2.00E-01	0.077	0.038	4.11E-02
rs2257011	15	84266145	T	G	0.500	0.044	0.003	1.00E-47	-0.015	0.017	3.93E-01	0.009	0.022	6.91E-01	-0.050	0.035	1.52E-01
rs2079795	17	59496649	C	T	0.671	-0.045	0.003	2.00E-46	-0.033	0.018	6.58E-02	-0.059	0.023	1.09E-02	0.008	0.036	8.36E-01
rs552707	7	28205303	T	C	0.292	0.046	0.003	9.00E-46	0.014	0.019	4.48E-01	0.028	0.024	2.40E-01	-0.018	0.038	6.42E-01
rs1155939	6	126866133	A	C	0.495	0.042	0.003	1.00E-45	-0.011	0.017	5.08E-01	-0.004	0.022	8.66E-01	0.032	0.035	3.63E-01
rs314263	6	105392745	T	C	0.685	-0.043	0.003	1.00E-42	-0.027	0.018	1.34E-01	-0.027	0.023	2.41E-01	-0.004	0.036	9.21E-01
rs4733724	8	130723728	A	G	0.801	0.05	0.004	1.00E-41	-0.009	0.021	6.89E-01	-0.024	0.027	3.91E-01	-0.005	0.044	9.14E-01
rs3760318	17	29247715	A	G	0.367	-0.041	0.003	3.00E-41	-0.040	0.017	2.31E-02	-0.065	0.023	4.01E-03	-0.031	0.036	3.79E-01
rs2070776	17	62007498	G	A	0.666	0.042	0.003	6.00E-41	-0.043	0.018	1.36E-02	-0.021	0.023	3.53E-01	-0.101	0.036	4.65E-03
rs10958476	8	57095808	T	C	0.789	-0.051	0.004	2.00E-40	0.005	0.021	8.29E-01	-0.001	0.028	9.63E-01	-0.028	0.043	5.22E-01
rs7652177	3	171969077	C	G	0.497	-0.038	0.003	3.00E-39	0.019	0.018	2.88E-01	0.005	0.023	8.19E-01	0.030	0.036	4.03E-01
rs9392918	6	7708631	T	C	0.520	-0.038	0.003	4.00E-38	0.000	0.017	9.98E-01	0.004	0.022	8.62E-01	0.020	0.035	5.66E-01
rs1074683	20	32304653	C	G	0.773	0.044	0.003	8.00E-38	-0.020	0.020	3.14E-01	-0.021	0.025	4.19E-01	-0.042	0.040	2.90E-01
rs9428104	1	118855587	G	A	0.763	0.043	0.003	3.00E-36	-0.032	0.020	1.03E-01	-0.029	0.025	2.45E-01	-0.038	0.040	3.35E-01
rs2093210	14	60957279	T	C	0.609	-0.039	0.003	3.00E-35	-0.019	0.017	2.64E-01	0.003	0.022	9.03E-01	-0.048	0.035	1.68E-01
rs6694089	1	172083881	A	G	0.288	0.039	0.003	4.00E-33	0.009	0.019	6.47E-01	0.006	0.024	7.98E-01	0.035	0.038	3.53E-01
rs2278483	2	25040082	T	C	0.256	0.041	0.003	8.00E-33	0.016	0.020	4.35E-01	0.002	0.026	9.48E-01	0.003	0.041	9.32E-01
rs11049611	12	28600244	T	C	0.292	-0.038	0.003	3.00E-32	0.024	0.019	1.91E-01	0.009	0.024	6.97E-01	0.056	0.038	1.38E-01
rs1036821	8	135650483	A	G	0.297	-0.037	0.003	1.00E-30	0.006	0.019	7.49E-01	0.004	0.024	8.79E-01	0.007	0.037	8.56E-01
rs4448343	9	98266370	G	A	0.344	0.035	0.003	5.00E-30	0.011	0.018	5.41E-01	0.038	0.023	9.30E-02	-0.004	0.036	9.08E-01
rs4735677	8	78148191	A	T	0.712	-0.037	0.003	6.00E-30	0.026	0.019	1.61E-01	-0.001	0.024	9.51E-01	0.044	0.038	2.54E-01
rs720390	3	185548683	A	G	0.373	0.035	0.003	1.00E-29	-0.039	0.024	9.83E-02	-0.052	0.030	8.44E-02	-0.015	0.046	7.53E-01
rs7849585	9	139111870	T	G	0.333	0.036	0.003	1.00E-29	0.036	0.018	5.04E-02	0.037	0.023	1.16E-01	0.053	0.038	1.56E-01
rs17721822	20	6469596	A	G	0.353	-0.035	0.003	3.00E-29	0.014	0.018	4.43E-01	0.019	0.023	4.06E-01	0.019	0.036	6.02E-01
rs10748128	12	69827658	T	G	0.346	0.038	0.003	4.00E-29	-0.019	0.019	3.16E-01	-0.014	0.024	5.56E-01	-0.039	0.038	2.99E-01
rs11880992	19	2176403	A	G	0.420	0.033	0.003	7.00E-28	0.012	0.017	5.03E-01	0.052	0.022	2.04E-02	-0.053	0.035	1.28E-01
rs7466269	9	133464084	A	G	0.648	0.033	0.003	1.00E-27	0.024	0.019	1.99E-01	0.041	0.024	9.33E-02	0.005	0.038	8.89E-01
rs4986172	17	43216281	T	C	0.346	-0.034	0.003	8.00E-27	0.010	0.018	5.68E-01	0.034	0.023	1.39E-01	-0.023	0.036	5.33E-01
rs2687950	13	50718468	T	C	0.262	0.036	0.003	9.00E-27	0.008	0.020	7.05E-01	0.005	0.026	8.47E-01	0.011	0.040	7.91E-01
rs749052	2	232796610	T	C	0.947	0.067	0.006	2.00E-26	-0.004	0.050	9.31E-01	0.006	0.065	9.22E-01	-0.017	0.098	8.65E-01
rs991967	1	218615451	A	C	0.714	-0.034	0.003	2.00E-26	-0.015	0.019	4.28E-01	-0.006	0.024	7.94E-01	-0.037	0.037	3.17E-01
rs648831	6	80956208	T	C	0.527	0.031	0.003	3.00E-26	0.033	0.017	5.62E-02	0.059	0.022	7.76E-03	0.001	0.035	9.84E-01
rs12538407	7	23521316	A	G	0.605	0.032	0.003	4.00E-26	0.033	0.017	5.57E-02	0.045	0.022	4.60E-02	-0.001	0.035	9.77E-01
rs12209223	6	76164589	A	C	0.097	0.051	0.005	5.00E-25	-0.046	0.030	1.32E-01	-0.050	0.039	1.96E-01	-0.086	0.063	1.70E-01
rs6439168	3	129050943	A	G	0.213	-0.037	0.004	8.00E-25	0.034	0.028	2.13E-01	0.018	0.036	6.22E-01	0.043	0.054	4.28E-01
rs11684404	2	88924622	T	C	0.652	-0.032	0.003	9.00E-25	-0.024	0.018	1.89E-01	-0.005	0.023	8.36E-01	-0.051	0.036	1.55E-01
rs2974438	5	168250903	A	G	0.202	-0.037	0.004	4.00E-24	-0.023	0.022	3.07E-01	-0.002	0.028	9.33E-01	-0.056	0.045	2.12E-01
rs9993613	4	73476014	T	G	0.476	0.03	0.003	5.00E-24	0.014	0.023	5.29E-01	0.066	0.030	2.55E-02	-0.071	0.045	1.13E-01
rs11144688	9	78542286	A	G	0.125	-0.063	0.006	6.00E-24	-0.083	0.035	1.64E-02	-0.059	0.044	1.86E-01	-0.145	0.069	3.59E-02
rs6894139	5	88327782	T	G	0.544	0.03	0.003	6.00E-24	-0.008	0.017	6.41E-01	0.019	0.022	3.90E-01	-0.041	0.035	2.40E-01
rs2856321	12	11855773	A	G	0.650	-0.031	0.003	8.00E-24	-0.005	0.018	8.03E-01	0.015	0.024	5.20E-01	-0.023	0.038	5.36E-01
rs1401795	17	54839652	A	G	0.495	0.03	0.003	1.00E-23	-0.054	0.024	2.37E-02	-0.036	0.031	2.43E-01	-0.109	0.047	2.07E-02
rs7043114	9	95387983	T	C	0.560	-0.029	0.003	2.00E-22	-0.020	0.023	3.88E-01	-0.013	0.030	6.61E-01	-0.012	0.045	7.86E-01
rs12330322	3	72455355	T	C	0.224	-0.034	0.004	3.00E-22	0.005	0.021	7.96E-01	0.026	0.027	3.32E-01	-0.056	0.043	1.92E-01
rs1950500	14	24830850	T	C	0.291	0.031	0.003	3.00E-22	-0.004	0.020	8.37E-01	-0.007	0.025	7.87E-01	0.035	0.039	3.69E-01
rs7716219	5	54955071	C	T	0.701	-0.03	0.003	7.00E-22	0.006	0.018	7.42E-01	-0.012	0.024	6.24E-01	0.023	0.038	5.48E-01
rs10770705	12	20857467	A	C	0.324	0.03	0.003	2.00E-21	0.007	0.025	7.86E-01	-0.028	0.032	3.86E-01	0.050	0.047	2.94E-01
rs4803468	19	41922352	A	G	0.396	0.03	0.003	2.00E-21	0.004	0.018	8.27E-01	-0.014	0.024	5.54E-01	0.040	0.036	2.75E-01
rs10948222	6	45244415	T	C	0.596	-0.031	0.003	1.00E-20	-0.005	0.017	7.59E-01	-0.002	0.022	9.11E-01	0.004	0.035	8.98E-01
rs1681630	11	47969152	C	T	0.659	-0.029	0.003	2.00E-20	-0.018	0.024	4.46E-01	-0.009	0.031	7.59E-01	0.030	0.047	5.23E-01
rs2806561	1	23504795	A	G	0.565	0.027	0.003	2.00E-20	0.033	0.023	1.53E-01	0.042	0.029	1.50E-01	-0.026	0.045	5.60E-01
rs422421	5	176517326	T	C	0.216	-0.034	0.004	2.00E-20	0.035	0.021	9.25E-02	0.035	0.026	1.89E-01	0.018	0.042	6.70E-01
rs6600365	1	41556253	T	C	0.563	-0.027	0.003	2.00E-20	-0.040	0.017	1.81E-02	-0.062	0.022	4.61E-03	0.004	0.035	8.97E-01
rs7154721	14	92427348	T	C	0.571	0.027	0.003	5.00E-20	-0.013	0.017	4.60E-01	-0.020	0.022	3.56E-01	-0.028	0.035	4.12E-01
rs9217	17	7363088	C	T	0.354	0.028	0.003	5.00E-20	-0.004	0.018	8.10E-01	0.018	0.023	4.21E-01	-0.004	0.036	9.07E-01
rs2573625	15	100513158	T	C	0.675	0.029	0.003	6.00E-20	0.004	0.019	8.51E-01	0.012	0.025	6.29E-01	0.028	0.039	4.80E-01
rs7551732	1	89139041	A	T	0.594	0.027	0.003	6.00E-20	-0.013	0.018	4.55E-01	0.002	0.023	9.28E-01	-0.018	0.036	6.21E-01
rs862034	14	74990746	A	G	0.367	-0.028	0.003	6.00E-20	-0.022	0.018	2.33E-01	-0.002	0.023	9.24E-01	-0.071	0.037	5.44E-02
rs3767627	1	149938898	T	C	0.850	0.036	0.004	4.00E-19	0.016	0.024	5.01E-01	0.016	0.031	6.19E-01	-0.017	0.047	7.16E-01
rs4072910	19	8644031	C	G	0.483	-0.032	0.004	1.00E-18	0.005	0.023	8.41E-01	-0.031	0.030	3.02E-01	0.100	0.045	2.46E-02
rs4620037	5	170875097	A	C	0.792	0.032	0.004	1.00E-18	-0.032	0.022	1.40E-01	-0.052	0.028	6.59E-02	-0.030	0.044	5.03E-01
rs6974574	7	38110073	A	T	0.336	-0.03	0.003	1.00E-18	-0.029	0.018	1.20E-01	-0.029	0.024	2.22E-01	-0.053	0.037	1.52E-01
rs6714546	2	33361425	A	G	0.281	-0.03	0.003	2.00E-18	-0.016	0.019	3.96E-01	-0.026	0.024	2.75E-01	-0.024	0.038	5.31E-01
rs822531	7	148629759	T	C	0.794	0.036	0.004	2.00E-18	-0.019	0.028	4.96E-01	-0.012	0.036	7.40E-01	-0.068	0.054	2.09E-01
rs7731703	5	32694942	T	C	0.316	-0.03	0.003	4.00E-18	-0.002	0.019	9.12E-01	0.007	0.024	7.79E-01	-0.031	0.038	4.18E-01
rs2237886	11	2810731	T	C	0.102	0.043	0.005	5.00E-18	-0.013	0.029	6.52E-01	-0.014	0.037	6.97E-01	0.043	0.059	4.66E-01
rs13088462	3	51071713	C	T	0.055	0.059	0.007	8.00E-18	-0.019	0.038	6.26E-01	-0.027	0.049	5.86E-01	-0.031	0.076	6.80E-01
rs975210	15	70364352	A	G	0.172	0.035	0.004	1.00E-17	0.017	0.022	4.56E-01	0.022	0.029	4.50E-01	0.023	0.044	5.99E-01
rs994533	2	218284278	C	G	0.333	-0.027	0.003	1.00E-17	-0.003	0.018	8.81E-01	0.004	0.023	8.63E-01	-0.021	0.037	5.73E-01
rs6920372	6	109723939	A	G	0.407	-0.025	0.003	2.00E-17	0.020	0.017	2.32E-01	0.047	0.022	3.44E-02	-0.048	0.035	1.65E-01
rs318095	17	46974734	T	C	0.467	0.024	0.003	2.00E-16	0.003	0.018	8.67E-01	0.004	0.023	8.71E-01	-0.025	0.035	4.81E-01
rs897080	2	44774202	T	C	0.755	-0.028	0.003	2.00E-16	-0.022	0.020	2.61E-01	0.008	0.026	7.54E-01	-0.088	0.039	2.44E-02
rs17391694	1	78623626	T	C	0.116	0.043	0.005	4.00E-16	-0.004	0.036	9.07E-01	-0.040	0.047	3.94E-01	0.073	0.069	2.93E-01
rs16964211	15	51530495	A	G	0.055	-0.057	0.007	1.00E-15	0.008	0.038	8.34E-01	0.038	0.048	4.30E-01	-0.024	0.078	7.60E-01
rs1832871	6	158722034	A	G	0.337	0.025	0.003	2.00E-15	-0.022	0.019	2.26E-01	-0.011	0.024	6.31E-01	-0.058	0.038	1.23E-01
rs1562975	4	109408608	A	G	0.295	0.025	0.003	6.00E-15	-0.020	0.019	3.14E-01	-0.031	0.025	2.10E-01	0.024	0.039	5.44E-01
rs7112925	11	66826160	T	C	0.356	-0.024	0.003	6.00E-15	-0.005	0.018	7.56E-01	-0.003	0.023	8.87E-01	-0.073	0.036	4.20E-02
rs7319045	13	92024574	G	A	0.620	-0.024	0.003	8.00E-15	-0.025	0.018	1.57E-01	-0.047	0.023	3.83E-02	0.030	0.036	4.06E-01
rs1815314	10	80928793	A	G	0.411	-0.022	0.003	5.00E-14	0.017	0.017	3.17E-01	0.044	0.022	4.48E-02	0.017	0.035	6.14E-01
rs10401193	19	19591066	A	G	0.819	0.028	0.004	9.00E-14	-0.015	0.022	4.86E-01	0.014	0.029	6.31E-01	-0.022	0.044	6.18E-01
rs11835818	12	122494809	T	C	0.529	-0.022	0.003	2.00E-13	0.003	0.023	9.04E-01	-0.025	0.029	3.94E-01	0.081	0.045	6.87E-02
rs13177718	5	108113344	T	C	0.073	-0.043	0.006	3.00E-13	-0.021	0.033	5.22E-01	-0.034	0.043	4.33E-01	0.019	0.067	7.78E-01
rs10997979	10	69937192	G	A	0.497	0.021	0.003	4.00E-13	0.007	0.017	6.99E-01	0.015	0.022	5.04E-01	-0.026	0.034	4.44E-01
rs17807185	7	77308295	A	G	0.620	-0.022	0.003	4.00E-13	-0.019	0.023	4.25E-01	-0.044	0.030	1.40E-01	-0.007	0.046	8.71E-01
rs11152213	18	57852948	C	A	0.240	0.025	0.004	7.00E-13	0.050	0.020	1.19E-02	0.049	0.026	5.69E-02	0.088	0.040	2.64E-02
rs2238300	15	89851580	A	G	0.401	-0.021	0.003	2.00E-12	-0.030	0.017	8.53E-02	-0.032	0.022	1.58E-01	-0.065	0.035	6.63E-02
rs3739707	9	113792706	A	C	0.248	-0.024	0.004	4.00E-12	0.007	0.020	7.45E-01	0.031	0.026	2.33E-01	-0.090	0.042	3.17E-02
rs780094	2	27741237	T	C	0.375	-0.021	0.003	6.00E-12	0.014	0.017	4.15E-01	0.013	0.022	5.46E-01	0.038	0.035	2.87E-01
rs6446315	4	5035587	A	G	0.828	-0.028	0.004	4.00E-11	0.033	0.030	2.73E-01	0.053	0.039	1.75E-01	-0.008	0.058	8.97E-01
rs11750568	5	178535713	G	A	0.666	-0.02	0.003	6.00E-11	-0.050	0.019	8.85E-03	-0.035	0.025	1.59E-01	-0.091	0.038	1.82E-02
rs2378870	17	59638623	C	T	0.617	-0.02	0.003	4.00E-10	0.017	0.018	3.50E-01	0.015	0.023	4.97E-01	0.011	0.036	7.70E-01
rs6137287	20	21180259	T	C	0.279	0.02	0.003	4.00E-10	0.024	0.019	2.03E-01	0.033	0.025	1.84E-01	0.064	0.039	9.62E-02
rs2326458	16	84987679	A	C	0.732	-0.022	0.004	5.00E-10	0.015	0.019	4.33E-01	0.008	0.025	7.42E-01	0.060	0.039	1.23E-01
rs2120335	2	68495002	A	G	0.420	-0.019	0.003	8.00E-10	0.031	0.018	8.83E-02	0.048	0.024	4.29E-02	0.026	0.037	4.93E-01
rs4344931	2	241818527	C	A	0.714	0.02	0.003	8.00E-10	-0.002	0.020	9.09E-01	-0.019	0.025	4.54E-01	0.021	0.040	5.97E-01
rs1007358	7	46201355	A	G	0.781	-0.021	0.004	9.00E-10	-0.026	0.027	3.37E-01	-0.021	0.035	5.47E-01	-0.006	0.054	9.15E-01
rs6887276	5	127378294	C	G	0.542	-0.018	0.003	1.00E-09	0.008	0.018	6.66E-01	-0.003	0.023	8.97E-01	0.027	0.036	4.63E-01
rs17181956	2	218146080	T	C	0.107	-0.028	0.005	4.00E-09	0.027	0.027	3.16E-01	0.046	0.035	1.92E-01	0.060	0.056	2.84E-01
rs13113518	4	56399648	T	C	0.637	-0.018	0.003	8.00E-09	0.022	0.018	2.16E-01	0.032	0.023	1.61E-01	0.031	0.035	3.75E-01
rs6563199	13	81550449	T	C	0.345	0.018	0.003	1.00E-08	-0.038	0.018	3.88E-02	-0.030	0.023	1.96E-01	-0.050	0.037	1.73E-01

* Total number of SNPs after harmonization and filtering from originally 173 SNPs

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S4. Mammographic density

						Mammograpic density GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	**Chr**	**Pos**	**Effect allele**	**Other allele**	**EAF**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**
rs10995190	10	64278682	A	G	0.147	-0.240	0.031	1.00E-16	-0.005	0.024	8.44E-01	0.039	0.031	2.16E-01	-0.093	0.050	6.12E-02
rs10034692	4	75419787	A	G	0.719	-0.160	0.031	2.00E-10	-0.017	0.019	3.83E-01	-0.010	0.024	6.78E-01	-0.019	0.038	6.22E-01
rs703556	12	103011894	A	G	0.979	-0.410	0.082	4.00E-10	0.154	0.055	5.37E-03	0.097	0.071	1.70E-01	0.189	0.108	8.15E-02
rs12665607	6	151946629	A	T	0.085	-0.170	0.040	2.00E-08	0.080	0.029	6.31E-03	0.078	0.038	3.98E-02	0.037	0.057	5.11E-01
rs7289126	22	38628306	A	C	0.458	-0.110	0.020	3.00E-08	-0.022	0.017	1.97E-01	-0.018	0.022	4.19E-01	-0.065	0.034	5.79E-02

* Total number of SNPs after harmonization and filtering from originally 12 SNPs

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S5. Menarche

						Menarche GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	**Chr**	**Pos**	**Effect allele**	**Other allele**	**EAF**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**
rs7759938	6	105378954	C	T	0.316	0.120	0.005	8.00E-110	0.028	0.018	1.26E-01	0.028	0.023	2.32E-01	0.006	0.036	8.67E-01
rs6747380	2	56587749	A	G	0.179	0.070	0.007	6.00E-28	0.010	0.022	6.40E-01	0.010	0.029	7.38E-01	-0.078	0.046	8.82E-02
rs11715566	3	117562436	T	C	0.497	0.050	0.005	2.00E-27	0.009	0.017	5.84E-01	-0.012	0.022	5.71E-01	0.053	0.034	1.24E-01
rs466639	1	165394882	C	T	0.875	0.080	0.007	2.00E-24	-0.004	0.025	8.64E-01	0.019	0.033	5.61E-01	-0.056	0.050	2.71E-01
rs9635759	17	49613785	A	G	0.305	0.050	0.005	2.00E-24	-0.009	0.018	6.08E-01	-0.004	0.024	8.62E-01	0.030	0.037	4.17E-01
rs1079866	7	41470093	G	C	0.140	0.070	0.007	9.00E-24	0.007	0.025	7.84E-01	-0.019	0.032	5.56E-01	0.028	0.049	5.73E-01
rs1364063	16	69588572	C	T	0.429	0.050	0.005	6.00E-21	-0.007	0.017	6.94E-01	-0.013	0.022	5.58E-01	0.009	0.035	8.04E-01
rs13179411	5	133900513	T	G	0.158	0.060	0.007	3.00E-20	0.025	0.023	2.65E-01	0.008	0.029	7.92E-01	0.071	0.046	1.21E-01
rs1400974	2	199638690	A	G	0.643	0.050	0.005	8.00E-20	-0.012	0.018	4.89E-01	-0.008	0.023	7.18E-01	0.014	0.036	6.98E-01
rs2137289	18	44752125	A	G	0.589	0.050	0.005	8.00E-20	-0.020	0.017	2.40E-01	-0.028	0.022	2.01E-01	0.004	0.035	9.04E-01
rs8050136	16	53816275	C	A	0.605	0.040	0.005	2.00E-17	0.010	0.017	5.66E-01	0.007	0.022	7.45E-01	0.010	0.035	7.71E-01
rs9560113	13	112183348	G	A	0.281	0.050	0.006	2.00E-17	0.019	0.019	3.15E-01	0.003	0.024	9.00E-01	-0.008	0.038	8.31E-01
rs7821178	8	78093837	A	C	0.341	-0.040	0.005	7.00E-17	-0.023	0.018	1.92E-01	0.008	0.023	7.42E-01	-0.046	0.037	2.10E-01
rs7647973	3	49510931	A	G	0.273	0.050	0.006	1.00E-16	-0.004	0.019	8.24E-01	0.012	0.025	6.20E-01	0.031	0.038	4.19E-01
rs1254337	14	60920525	T	A	0.296	0.040	0.005	2.00E-16	0.023	0.018	2.18E-01	0.010	0.024	6.65E-01	0.049	0.037	1.87E-01
rs7642134	3	86916882	G	A	0.615	0.040	0.005	3.00E-16	0.011	0.017	5.27E-01	0.012	0.022	6.03E-01	-0.018	0.035	6.03E-01
rs9321659	6	100116092	A	G	0.124	0.060	0.008	3.00E-16	-0.016	0.026	5.43E-01	0.011	0.033	7.44E-01	-0.059	0.052	2.53E-01
rs246185	16	14395432	C	T	0.332	0.040	0.006	7.00E-16	0.006	0.018	7.23E-01	0.024	0.023	3.08E-01	-0.039	0.036	2.84E-01
rs543874	1	177889480	A	G	0.813	0.050	0.006	1.00E-15	-0.031	0.021	1.52E-01	-0.042	0.027	1.30E-01	0.028	0.044	5.22E-01
rs10144321	14	100882405	A	G	0.758	0.040	0.006	9.00E-15	0.002	0.020	9.36E-01	-0.005	0.025	8.47E-01	0.023	0.040	5.70E-01
rs10895140	11	101436721	G	A	0.656	0.040	0.005	7.00E-14	0.011	0.018	5.50E-01	0.028	0.023	2.15E-01	-0.021	0.036	5.56E-01
rs17171818	5	137725003	C	T	0.787	0.040	0.006	9.00E-14	0.000	0.020	9.85E-01	0.018	0.026	4.90E-01	-0.018	0.041	6.62E-01
rs7828501	8	4560081	G	A	0.446	0.040	0.005	1.00E-13	0.014	0.017	4.24E-01	-0.009	0.022	6.65E-01	0.025	0.034	4.59E-01
rs852069	20	17122593	G	A	0.639	0.040	0.005	1.00E-13	0.001	0.018	9.35E-01	0.009	0.023	6.97E-01	-0.014	0.036	6.94E-01
rs3743266	15	60781513	T	C	0.700	0.040	0.005	2.00E-13	-0.009	0.019	6.38E-01	-0.018	0.024	4.62E-01	0.071	0.038	6.39E-02
rs10938397	4	45182527	A	G	0.570	0.040	0.005	4.00E-13	-0.027	0.017	1.15E-01	-0.018	0.022	4.02E-01	-0.095	0.035	6.30E-03
rs3733631	4	104641103	C	G	0.154	0.050	0.007	5.00E-13	-0.008	0.023	7.44E-01	-0.015	0.030	6.19E-01	-0.065	0.047	1.67E-01
rs4756059	11	46150619	T	C	0.924	0.070	0.010	5.00E-13	-0.063	0.032	4.79E-02	-0.076	0.041	6.38E-02	-0.015	0.066	8.18E-01
rs4895808	6	126781434	T	C	0.460	-0.030	0.005	5.00E-13	-0.008	0.017	6.22E-01	-0.004	0.022	8.36E-01	0.041	0.035	2.33E-01
rs6758290	2	105864826	T	C	0.527	0.040	0.005	7.00E-13	0.009	0.017	5.95E-01	0.019	0.022	3.98E-01	0.005	0.034	8.79E-01
rs2479724	6	41890982	T	C	0.457	0.030	0.005	1.00E-12	0.021	0.017	2.13E-01	-0.004	0.022	8.61E-01	0.081	0.035	1.97E-02
rs988913	6	54756308	C	T	0.657	0.040	0.005	1.00E-12	0.030	0.018	8.93E-02	0.008	0.023	7.23E-01	0.086	0.036	1.72E-02
rs1874984	10	1731871	C	G	0.476	0.040	0.005	2.00E-12	-0.006	0.017	7.29E-01	0.020	0.022	3.73E-01	-0.049	0.035	1.63E-01
rs2063730	11	78048524	C	A	0.195	0.050	0.007	2.00E-12	0.032	0.022	1.37E-01	0.031	0.028	2.66E-01	0.003	0.044	9.37E-01
rs6770162	3	24711013	A	G	0.504	0.040	0.005	2.00E-12	-0.006	0.017	7.43E-01	0.022	0.022	3.31E-01	-0.052	0.036	1.41E-01
rs12915845	15	89042467	C	T	0.586	0.030	0.005	3.00E-12	-0.029	0.017	8.96E-02	-0.037	0.022	9.08E-02	0.005	0.035	8.81E-01
rs939317	3	184045799	G	A	0.749	0.040	0.006	3.00E-12	0.008	0.020	6.80E-01	0.007	0.025	7.97E-01	0.016	0.040	6.86E-01
rs1469039	8	140651779	A	G	0.175	0.050	0.007	4.00E-12	-0.015	0.022	5.08E-01	-0.008	0.029	7.85E-01	-0.071	0.045	1.20E-01
rs6964833	7	74101909	T	C	0.741	0.040	0.006	5.00E-12	0.008	0.019	6.66E-01	0.015	0.025	5.46E-01	0.013	0.039	7.41E-01
rs9475752	6	56780741	C	T	0.806	0.040	0.006	8.00E-12	0.009	0.021	6.67E-01	0.024	0.027	3.80E-01	-0.009	0.043	8.30E-01
rs9647570	5	167370263	G	T	0.139	0.050	0.007	1.00E-11	-0.003	0.025	9.20E-01	-0.023	0.033	4.91E-01	0.004	0.050	9.41E-01
rs1038903	4	28752054	T	C	0.728	0.040	0.006	2.00E-11	0.002	0.019	8.98E-01	-0.004	0.025	8.66E-01	-0.016	0.039	6.75E-01
rs11792861	9	111809295	A	C	0.707	0.040	0.005	2.00E-11	-0.019	0.019	3.18E-01	-0.034	0.024	1.57E-01	0.006	0.038	8.84E-01
rs6563739	13	40239785	G	T	0.349	0.030	0.005	2.00E-11	0.020	0.018	2.65E-01	0.033	0.023	1.58E-01	-0.005	0.036	8.80E-01
rs900400	3	156798775	T	C	0.582	0.030	0.005	2.00E-11	0.008	0.017	6.44E-01	-0.014	0.022	5.44E-01	0.071	0.035	4.39E-02
rs7103411	11	27700125	C	T	0.221	0.040	0.006	3.00E-11	0.000	0.021	9.85E-01	-0.010	0.027	7.11E-01	0.025	0.041	5.52E-01
rs11767400	7	122160742	A	C	0.295	0.040	0.006	4.00E-11	0.005	0.019	8.05E-01	0.041	0.024	8.91E-02	-0.021	0.038	5.90E-01
rs244293	17	53230722	G	A	0.601	0.030	0.005	4.00E-11	0.007	0.017	6.67E-01	-0.007	0.022	7.61E-01	0.005	0.035	8.96E-01
rs12148769	15	24152094	G	A	0.910	0.050	0.008	5.00E-11	0.004	0.029	8.85E-01	-0.015	0.037	6.78E-01	0.011	0.059	8.56E-01
rs11215400	11	115052635	C	A	0.248	0.040	0.006	7.00E-11	-0.024	0.020	2.33E-01	-0.012	0.026	6.47E-01	-0.022	0.041	5.92E-01
rs13135934	4	95207688	C	G	0.406	0.030	0.005	1.00E-10	-0.023	0.017	1.77E-01	-0.047	0.022	3.43E-02	0.008	0.035	8.17E-01
rs2687729	3	127895226	G	A	0.269	0.040	0.006	1.00E-10	0.010	0.019	5.99E-01	0.012	0.025	6.31E-01	-0.015	0.038	6.96E-01
rs12571664	10	121708929	T	C	0.797	0.040	0.006	3.00E-10	0.000	0.022	9.89E-01	-0.013	0.028	6.29E-01	0.054	0.044	2.17E-01
rs1324913	13	74635588	G	T	0.663	0.030	0.005	3.00E-10	0.034	0.018	6.20E-02	0.046	0.023	4.60E-02	0.021	0.037	5.70E-01
rs16896742	6	29922740	G	A	0.375	0.040	0.006	3.00E-10	0.024	0.017	1.67E-01	0.039	0.022	7.79E-02	-0.008	0.035	8.25E-01
rs251130	5	110859797	G	A	0.728	0.040	0.006	3.00E-10	0.009	0.020	6.38E-01	0.007	0.025	7.69E-01	0.018	0.040	6.49E-01
rs12472911	2	142228509	T	C	0.775	-0.040	0.006	7.00E-10	0.025	0.021	2.39E-01	0.020	0.027	4.60E-01	-0.014	0.042	7.43E-01
rs13067731	3	136989991	T	C	0.172	0.040	0.007	1.00E-09	-0.018	0.023	4.24E-01	-0.042	0.030	1.61E-01	0.049	0.045	2.82E-01
rs6933660	6	151803754	C	A	0.690	0.030	0.005	1.00E-09	0.008	0.018	6.50E-01	0.008	0.023	7.24E-01	-0.013	0.037	7.26E-01
rs11165924	1	98375448	A	G	0.674	0.030	0.006	2.00E-09	-0.028	0.018	1.14E-01	-0.023	0.023	3.24E-01	-0.036	0.036	3.24E-01
rs2274465	1	44121557	C	G	0.649	0.030	0.005	2.00E-09	0.041	0.018	2.08E-02	0.047	0.023	4.00E-02	-0.011	0.036	7.53E-01
rs2688325	8	3767210	T	C	0.291	0.030	0.006	2.00E-09	-0.008	0.019	6.58E-01	-0.012	0.024	6.28E-01	0.034	0.037	3.59E-01
rs6555855	5	168749737	G	A	0.220	0.040	0.006	2.00E-09	-0.031	0.021	1.38E-01	-0.035	0.027	1.86E-01	0.006	0.042	8.92E-01
rs7853970	9	86715566	T	C	0.475	0.030	0.005	2.00E-09	0.005	0.017	7.68E-01	0.004	0.022	8.61E-01	0.011	0.035	7.60E-01
rs17236969	2	156752459	T	C	0.145	0.050	0.008	3.00E-09	0.004	0.024	8.70E-01	0.003	0.031	9.31E-01	-0.076	0.051	1.36E-01
rs1532331	5	43116830	G	T	0.306	0.030	0.005	4.00E-09	-0.009	0.018	6.08E-01	0.002	0.024	9.22E-01	-0.014	0.038	7.10E-01
rs9447700	6	77168086	C	T	0.712	0.030	0.005	6.00E-09	0.043	0.019	2.29E-02	0.050	0.024	3.90E-02	0.074	0.038	5.07E-02
rs12446632	16	19935589	A	G	0.145	0.040	0.007	1.00E-08	0.002	0.024	9.51E-01	-0.027	0.032	3.97E-01	0.080	0.048	9.59E-02
rs16918254	8	53769213	A	G	0.930	0.050	0.009	1.00E-08	0.044	0.033	1.82E-01	0.050	0.042	2.36E-01	0.024	0.066	7.20E-01
rs4875053	8	144872411	G	C	0.440	0.030	0.006	1.00E-08	0.010	0.018	5.92E-01	-0.003	0.024	9.07E-01	0.003	0.037	9.29E-01
rs652260	19	7900562	T	C	0.532	0.030	0.005	1.00E-08	-0.004	0.023	8.60E-01	0.015	0.029	5.95E-01	-0.046	0.045	3.05E-01
rs7955374	12	47880149	T	C	0.123	0.040	0.008	1.00E-08	0.024	0.026	3.57E-01	0.017	0.033	6.05E-01	0.079	0.052	1.27E-01
rs10816359	9	108757670	T	G	0.833	0.040	0.008	2.00E-08	0.041	0.024	8.33E-02	0.054	0.030	7.41E-02	0.035	0.048	4.66E-01
rs951366	1	205685352	T	C	0.619	0.030	0.005	2.00E-08	-0.010	0.017	5.77E-01	0.005	0.022	8.36E-01	-0.016	0.035	6.58E-01
rs13053505	22	39245618	T	G	0.177	-0.040	0.007	3.00E-08	0.008	0.022	7.22E-01	-0.030	0.029	2.96E-01	0.012	0.045	7.97E-01
rs16918636	11	29124182	T	C	0.777	0.030	0.006	3.00E-08	0.031	0.021	1.38E-01	0.035	0.027	1.97E-01	0.066	0.043	1.18E-01
rs10789181	1	65816567	A	G	0.391	0.030	0.005	4.00E-08	0.005	0.018	7.86E-01	0.010	0.023	6.59E-01	-0.035	0.036	3.37E-01
rs17086188	5	95845854	A	G	0.973	0.070	0.013	4.00E-08	-0.031	0.045	4.95E-01	-0.009	0.057	8.81E-01	-0.044	0.093	6.36E-01
rs1958560	14	66036795	A	G	0.592	0.030	0.005	4.00E-08	-0.012	0.017	4.99E-01	-0.007	0.022	7.40E-01	-0.023	0.035	5.10E-01
rs6009583	22	49677646	T	C	0.273	-0.030	0.006	5.00E-08	0.012	0.020	5.65E-01	-0.018	0.026	5.02E-01	0.079	0.041	5.38E-02
rs6427782	1	199798339	A	G	0.521	0.030	0.005	5.00E-08	-0.001	0.017	9.31E-01	-0.005	0.022	8.26E-01	0.024	0.035	4.92E-01
rs7701886	5	153547409	A	G	0.559	0.030	0.005	5.00E-08	-0.008	0.017	6.63E-01	-0.002	0.022	9.34E-01	-0.017	0.035	6.23E-01

* Total number of SNPs after harmonization and filtering from originally 122 SNPs

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S6. Menopause

						Menopause GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	**Chr**	**Pos**	**Effect allele**	**Other allele**	**EAF**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**
rs11668344	19	55833664	G	A	0.349	-0.410	0.020	6.00E-85	0.012	0.018	4.89E-01	0.002	0.023	9.47E-01	-0.006	0.035	8.56E-01
rs4693089	4	84373622	A	G	0.508	-0.200	0.020	9.00E-23	0.000	0.017	9.78E-01	-0.001	0.022	9.57E-01	0.000	0.034	9.90E-01
rs2720044	8	37980587	A	C	0.838	-0.290	0.031	7.00E-22	-0.014	0.023	5.32E-01	0.016	0.029	5.91E-01	-0.052	0.046	2.56E-01
rs2277339	12	57146069	G	T	0.097	-0.310	0.031	2.00E-19	-0.025	0.028	3.81E-01	-0.036	0.037	3.28E-01	-0.046	0.058	4.29E-01
rs930036	2	171941018	A	G	0.361	-0.190	0.020	3.00E-19	0.011	0.017	5.36E-01	0.006	0.022	7.85E-01	0.032	0.035	3.71E-01
rs6856693	4	185748806	A	G	0.574	-0.160	0.020	1.00E-16	-0.008	0.017	6.56E-01	0.002	0.022	9.31E-01	-0.012	0.035	7.36E-01
rs4886238	13	61113739	A	G	0.341	0.180	0.020	3.00E-16	0.004	0.018	8.41E-01	0.017	0.023	4.49E-01	-0.015	0.036	6.74E-01
rs704795	2	27716494	A	G	0.405	-0.160	0.020	2.00E-15	-0.019	0.017	2.86E-01	-0.016	0.022	4.70E-01	-0.042	0.036	2.39E-01
rs707938	6	31729359	G	A	0.311	-0.170	0.020	7.00E-15	0.021	0.018	2.43E-01	0.028	0.023	2.34E-01	0.013	0.036	7.18E-01
rs2236918	1	242017826	C	G	0.441	-0.150	0.020	8.00E-14	-0.018	0.017	2.86E-01	-0.014	0.022	5.19E-01	-0.029	0.035	4.13E-01
rs11031006	11	30226528	G	A	0.858	-0.220	0.031	9.00E-14	0.018	0.024	4.52E-01	0.004	0.031	8.90E-01	0.043	0.049	3.87E-01
rs763121	22	38879940	G	A	0.344	-0.160	0.020	2.00E-13	-0.033	0.018	6.57E-02	-0.050	0.023	3.00E-02	-0.016	0.036	6.56E-01
rs2241584	5	175956177	A	G	0.385	-0.140	0.020	2.00E-11	0.010	0.017	5.58E-01	-0.013	0.022	5.76E-01	0.057	0.035	1.06E-01
rs1800932	2	48018081	A	G	0.829	-0.170	0.031	3.00E-11	-0.014	0.022	5.24E-01	0.005	0.028	8.61E-01	-0.050	0.043	2.44E-01
rs1799949	17	41245466	G	A	0.674	-0.140	0.020	8.00E-11	0.012	0.018	4.87E-01	0.030	0.023	2.05E-01	-0.030	0.036	3.99E-01
rs1411478	1	180962282	A	G	0.411	-0.130	0.020	1.00E-10	-0.006	0.017	7.20E-01	-0.023	0.022	3.10E-01	0.028	0.035	4.20E-01
rs9796	15	41271447	T	A	0.439	-0.130	0.020	1.00E-10	-0.032	0.017	6.86E-02	-0.036	0.022	1.09E-01	-0.043	0.035	2.21E-01
rs1713460	14	20933615	G	A	0.303	-0.140	0.020	2.00E-10	0.005	0.018	7.98E-01	-0.007	0.024	7.76E-01	0.033	0.037	3.83E-01
rs2236553	20	61289743	C	T	0.227	-0.160	0.031	6.00E-10	0.034	0.031	2.79E-01	0.041	0.040	3.06E-01	0.062	0.068	3.58E-01
rs2230365	6	31525448	C	T	0.849	-0.170	0.031	8.00E-10	-0.063	0.023	5.80E-03	-0.076	0.029	9.79E-03	-0.065	0.046	1.59E-01
rs2941505	17	37832704	A	G	0.320	-0.130	0.020	2.00E-09	-0.011	0.018	5.60E-01	0.002	0.034	9.52E-01	0.079	0.055	1.50E-01
rs8070740	17	5331896	A	G	0.754	-0.150	0.020	2.00E-09	-0.010	0.019	5.99E-01	-0.004	0.023	8.75E-01	0.012	0.036	7.47E-01
rs16858210	3	183624010	G	A	0.752	-0.140	0.020	3.00E-09	-0.028	0.019	1.50E-01	-0.032	0.025	1.94E-01	0.007	0.040	8.56E-01
rs10957156	8	61629401	A	G	0.762	-0.140	0.020	5.00E-09	0.028	0.020	1.55E-01	0.019	0.026	4.55E-01	0.031	0.041	4.52E-01
rs451417	20	5941999	A	C	0.124	-0.200	0.031	5.00E-09	-0.006	0.026	8.07E-01	-0.023	0.033	4.96E-01	0.012	0.052	8.13E-01
rs5762534	22	28633571	T	C	0.840	-0.160	0.031	6.00E-09	-0.015	0.023	5.08E-01	-0.011	0.030	7.21E-01	-0.054	0.047	2.46E-01
rs11738223	5	171934492	A	G	0.674	-0.120	0.020	2.00E-08	0.022	0.018	2.19E-01	0.025	0.023	2.84E-01	0.018	0.037	6.23E-01
rs4879656	9	33012382	A	C	0.366	-0.120	0.020	2.00E-08	0.010	0.018	5.71E-01	0.006	0.023	7.78E-01	-0.003	0.035	9.23E-01
rs12599106	16	34498025	A	T	0.496	-0.120	0.020	3.00E-08	-0.018	0.025	4.74E-01	0.006	0.031	8.35E-01	0.006	0.048	8.98E-01
rs9039	16	9205363	C	T	0.279	-0.120	0.020	3.00E-08	-0.004	0.019	8.47E-01	-0.006	0.032	8.43E-01	-0.044	0.049	3.61E-01
rs12196873	6	111598058	A	C	0.848	-0.160	0.031	3.00E-08	-0.005	0.024	8.24E-01	-0.018	0.024	4.55E-01	0.029	0.039	4.56E-01
rs10905065	10	5769827	A	G	0.606	-0.110	0.020	4.00E-08	0.012	0.017	4.88E-01	0.018	0.022	4.22E-01	0.011	0.035	7.51E-01
rs7259376	19	22507705	G	A	0.539	0.110	0.020	4.00E-08	-0.012	0.017	4.85E-01	0.014	0.024	5.61E-01	-0.039	0.038	3.02E-01
rs551087	12	121209193	A	G	0.715	0.130	0.020	4.00E-08	-0.018	0.019	3.35E-01	-0.016	0.022	4.81E-01	-0.022	0.035	5.37E-01

* Total number of SNPs after harmonization and filtering from originally 51 SNPs

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S7. Physical activity

						Physical activity GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	**Chr**	**Pos**	**Effect allele**	**Other allele**	**EAF**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**
rs55657917	17	43844560	T	G	0.787	-0.037	0.005	8.00E-12	-0.015	0.021	4.79E-01	-0.044	0.027	0.1028055	0.069	0.042	1.03E-01
rs59499656	18	40768309	A	T	0.655	-0.028	0.005	2.00E-09	-0.009	0.018	6.19E-01	-0.024	0.023	0.3041047	0.027	0.037	4.60E-01
rs6775319	3	18758501	A	T	0.276	0.027	0.005	4.00E-08	-0.021	0.019	2.74E-01	-0.025	0.025	0.299366	0.006	0.039	4.60E-01

* Total number of SNPs after harmonization and filtering from originally 7 SNPs

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S8. Smoking behaviour

						Smoking GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	Chr	Pos	Effect allele	Other allele	EAF	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value
rs240955	6	111660643	A	G	0.815	-0.026	0.003	4.00E-23	0.008	0.022	7.02E-01	0.023	0.028	4.19E-01	-0.021	0.044	6.33E-01
rs11783093	8	27425349	T	C	0.156	-0.026	0.003	7.00E-22	-0.002	0.024	9.49E-01	0.028	0.031	3.57E-01	-0.029	0.048	5.51E-01
rs3911063	3	85906928	T	C	0.684	0.019	0.002	5.00E-19	-0.025	0.018	1.60E-01	-0.015	0.023	5.05E-01	-0.066	0.037	7.33E-02
rs6265	11	27679916	T	C	0.198	-0.022	0.003	4.00E-18	-0.003	0.021	9.00E-01	-0.023	0.028	4.12E-01	0.051	0.042	2.24E-01
rs4664442	2	162828001	A	G	0.424	0.016	0.002	2.00E-15	0.016	0.017	3.65E-01	0.039	0.022	7.68E-02	-0.013	0.035	7.05E-01
rs17417989	11	112713857	T	G	0.295	0.018	0.002	1.00E-13	-0.001	0.026	9.68E-01	-0.043	0.034	1.97E-01	0.022	0.050	6.56E-01
rs2310752	1	66392405	A	G	0.426	-0.015	0.002	2.00E-13	0.020	0.018	2.64E-01	0.040	0.023	8.71E-02	0.021	0.037	5.78E-01
rs13258512	8	92777433	A	G	0.577	0.015	0.002	3.00E-13	-0.012	0.018	5.15E-01	-0.040	0.023	8.46E-02	0.031	0.036	3.92E-01
rs10914684	1	33795572	A	G	0.333	-0.015	0.002	1.00E-12	0.004	0.018	8.26E-01	0.023	0.024	3.35E-01	-0.027	0.037	4.67E-01
rs74697736	2	145412271	A	G	0.280	0.017	0.002	3.00E-12	-0.010	0.020	6.16E-01	0.009	0.026	7.18E-01	-0.030	0.041	4.64E-01
rs12764388	10	104413385	A	G	0.116	0.022	0.003	6.00E-12	0.042	0.026	1.05E-01	0.008	0.034	8.08E-01	0.084	0.052	1.09E-01
rs1469908	16	69764412	T	C	0.595	-0.014	0.002	6.00E-12	-0.004	0.017	8.32E-01	0.004	0.022	8.72E-01	-0.023	0.035	5.08E-01
rs4650277	1	74993721	A	G	0.426	0.015	0.002	6.00E-12	0.007	0.017	7.06E-01	0.002	0.022	9.39E-01	0.028	0.034	4.25E-01
rs6852117	4	173076888	C	G	0.570	0.014	0.002	6.00E-12	0.000	0.017	9.98E-01	-0.004	0.022	8.63E-01	0.006	0.035	8.63E-01
rs10994943	10	63591413	T	G	0.598	0.015	0.002	1.00E-11	0.026	0.017	1.38E-01	0.027	0.022	2.22E-01	0.051	0.035	1.48E-01
rs9423279	10	125680419	C	G	0.348	0.015	0.002	1.00E-11	0.025	0.026	3.35E-01	0.014	0.033	6.73E-01	0.016	0.050	7.50E-01
rs17151637	8	10153082	T	C	0.287	-0.015	0.002	2.00E-11	0.028	0.019	1.31E-01	0.029	0.024	2.33E-01	0.007	0.038	8.48E-01
rs2340403	1	73835777	T	C	0.616	-0.014	0.002	2.00E-11	-0.027	0.017	1.19E-01	-0.033	0.022	1.39E-01	-0.021	0.035	5.48E-01
rs597808	12	111973358	A	G	0.488	0.015	0.002	2.00E-11	-0.011	0.017	5.30E-01	-0.025	0.022	2.66E-01	-0.048	0.035	1.66E-01
rs35761479	1	154154194	A	G	0.110	-0.022	0.003	3.00E-11	0.005	0.027	8.46E-01	0.052	0.034	1.25E-01	-0.062	0.056	2.65E-01
rs42417	5	94198290	T	C	0.695	0.016	0.002	3.00E-11	0.008	0.019	6.69E-01	-0.006	0.024	8.18E-01	0.066	0.039	8.92E-02
rs77878475	16	18058548	A	T	0.073	-0.026	0.004	3.00E-11	0.028	0.048	5.56E-01	0.033	0.063	6.02E-01	0.020	0.093	8.26E-01
rs4737525	8	59799781	A	G	0.531	-0.013	0.002	4.00E-11	-0.001	0.023	9.70E-01	-0.011	0.030	7.02E-01	-0.023	0.045	6.10E-01
rs12042107	1	91196176	T	C	0.468	0.014	0.002	5.00E-11	-0.001	0.023	9.55E-01	0.004	0.029	9.00E-01	0.029	0.045	5.23E-01
rs2202237	17	50208784	T	C	0.546	-0.013	0.002	6.00E-11	0.028	0.017	9.90E-02	0.048	0.022	2.93E-02	0.030	0.035	3.86E-01
rs12022778	1	50603995	A	C	0.808	-0.016	0.003	1.00E-10	0.033	0.022	1.23E-01	0.064	0.028	2.30E-02	-0.049	0.043	2.58E-01
rs26251	5	106837450	T	G	0.643	0.013	0.002	1.00E-10	0.004	0.018	8.41E-01	0.004	0.023	8.48E-01	0.014	0.036	6.92E-01
rs1430065	2	103857074	T	C	0.257	0.014	0.002	2.00E-10	-0.064	0.020	1.13E-03	-0.067	0.025	7.69E-03	-0.057	0.040	1.46E-01
rs17733784	18	53719925	T	C	0.626	0.013	0.002	2.00E-10	0.025	0.017	1.58E-01	0.035	0.023	1.16E-01	0.005	0.036	8.89E-01
rs11134672	5	170395820	A	G	0.683	0.014	0.002	3.00E-10	-0.003	0.018	8.90E-01	-0.003	0.024	8.94E-01	0.002	0.037	9.59E-01
rs1373129	9	102153698	C	A	0.509	0.013	0.002	3.00E-10	-0.001	0.017	9.37E-01	0.002	0.023	9.29E-01	-0.028	0.035	4.34E-01
rs2240294	7	96624257	A	T	0.461	-0.013	0.002	3.00E-10	-0.006	0.026	8.15E-01	-0.032	0.033	3.35E-01	0.042	0.050	4.07E-01
rs3818987	6	37484606	T	C	0.482	-0.014	0.002	3.00E-10	0.000	0.018	9.79E-01	0.024	0.023	2.93E-01	-0.067	0.036	6.15E-02
rs4790870	17	1970201	A	C	0.602	0.013	0.002	3.00E-10	-0.040	0.023	8.75E-02	-0.039	0.030	1.93E-01	0.002	0.045	9.65E-01
rs72678864	4	112422145	A	G	0.162	-0.018	0.003	3.00E-10	-0.010	0.025	6.74E-01	0.028	0.032	3.76E-01	-0.055	0.051	2.86E-01
rs883403	7	99047978	C	T	0.153	-0.017	0.003	3.00E-10	-0.010	0.023	6.63E-01	0.026	0.030	3.86E-01	-0.093	0.048	5.47E-02
rs28647734	9	137977033	A	G	0.208	0.017	0.003	4.00E-10	-0.014	0.022	5.35E-01	-0.023	0.029	4.17E-01	0.017	0.044	7.02E-01
rs4949465	1	32178489	T	C	0.860	-0.018	0.003	4.00E-10	0.005	0.033	8.75E-01	-0.008	0.042	8.59E-01	-0.060	0.065	3.56E-01
rs17049905	2	59301572	A	G	0.894	-0.020	0.003	5.00E-10	-0.014	0.029	6.22E-01	0.008	0.038	8.37E-01	-0.008	0.059	8.95E-01
rs10952199	7	1665339	T	C	0.415	-0.014	0.002	6.00E-10	0.035	0.023	1.27E-01	0.042	0.030	1.61E-01	-0.044	0.046	3.39E-01
rs13187930	5	60384171	T	C	0.256	0.014	0.002	6.00E-10	-0.040	0.020	4.30E-02	-0.027	0.025	2.85E-01	-0.046	0.040	2.46E-01
rs4814884	20	19663293	T	C	0.512	0.012	0.002	6.00E-10	0.001	0.017	9.39E-01	0.011	0.022	6.24E-01	-0.038	0.034	2.65E-01
rs479971	12	69672471	A	G	0.286	0.015	0.003	7.00E-10	0.025	0.025	3.24E-01	0.068	0.032	3.59E-02	-0.022	0.049	6.53E-01
rs4856463	3	83638568	T	C	0.230	-0.016	0.003	7.00E-10	-0.022	0.021	2.97E-01	-0.033	0.027	2.12E-01	-0.036	0.042	3.94E-01
rs1109480	12	121083279	A	G	0.380	-0.014	0.002	9.00E-10	0.015	0.018	3.92E-01	0.028	0.023	2.14E-01	-0.003	0.036	9.37E-01
rs1891196	1	208718672	G	A	0.444	0.012	0.002	9.00E-10	0.015	0.018	4.02E-01	0.009	0.023	6.95E-01	0.019	0.036	6.08E-01
rs12211126	6	67549451	T	C	0.610	-0.012	0.002	1.00E-09	-0.008	0.018	6.41E-01	-0.019	0.023	4.06E-01	0.019	0.037	6.12E-01
rs12690535	2	226259373	A	G	0.831	0.016	0.003	1.00E-09	-0.008	0.031	8.02E-01	0.002	0.039	9.54E-01	-0.017	0.060	7.74E-01
rs13065007	3	117522712	A	T	0.272	0.014	0.002	1.00E-09	0.009	0.019	6.28E-01	-0.015	0.025	5.33E-01	0.086	0.039	2.62E-02
rs10780649	9	86703561	T	G	0.489	-0.013	0.002	2.00E-09	0.004	0.017	8.13E-01	-0.006	0.022	7.81E-01	0.027	0.035	4.37E-01
rs10970595	9	31910764	T	C	0.105	-0.019	0.003	2.00E-09	-0.024	0.029	4.13E-01	-0.048	0.038	2.05E-01	0.017	0.059	7.75E-01
rs11872397	18	72535282	A	G	0.267	-0.015	0.003	2.00E-09	-0.002	0.027	9.29E-01	-0.061	0.035	7.95E-02	0.043	0.051	4.00E-01
rs12535004	7	114947112	T	C	0.740	-0.015	0.003	2.00E-09	0.000	0.026	9.97E-01	-0.009	0.033	7.90E-01	-0.004	0.049	9.36E-01
rs12787182	11	59190811	A	G	0.715	0.013	0.002	2.00E-09	0.003	0.025	9.14E-01	0.003	0.032	9.19E-01	-0.046	0.049	3.51E-01
rs13357015	5	80263403	A	G	0.637	0.014	0.002	2.00E-09	-0.002	0.018	8.99E-01	0.023	0.023	3.04E-01	-0.026	0.036	4.64E-01
rs17373738	4	140935264	C	G	0.623	0.012	0.002	2.00E-09	-0.025	0.018	1.61E-01	-0.061	0.023	7.94E-03	0.017	0.036	6.40E-01
rs1775370	1	72992856	T	C	0.248	-0.014	0.002	2.00E-09	-0.005	0.020	8.07E-01	-0.033	0.026	1.97E-01	0.058	0.040	1.48E-01
rs1863161	2	60139524	A	G	0.583	0.012	0.002	2.00E-09	0.001	0.017	9.69E-01	0.010	0.022	6.56E-01	-0.035	0.035	3.21E-01
rs1486900	15	47642886	T	G	0.172	0.016	0.003	3.00E-09	0.002	0.023	9.19E-01	0.006	0.029	8.38E-01	-0.024	0.045	5.95E-01
rs16951001	15	67854241	T	G	0.416	0.012	0.002	3.00E-09	0.026	0.017	1.29E-01	0.017	0.022	4.34E-01	0.024	0.035	4.87E-01
rs176644	15	89913632	T	G	0.420	-0.012	0.002	3.00E-09	-0.031	0.017	7.85E-02	-0.013	0.022	5.65E-01	-0.087	0.036	1.40E-02
rs2291256	12	133393323	T	C	0.085	0.021	0.004	3.00E-09	-0.018	0.042	6.71E-01	0.047	0.054	3.78E-01	-0.100	0.084	2.35E-01
rs2866724	16	13760152	A	G	0.722	-0.014	0.002	3.00E-09	0.001	0.020	9.72E-01	0.008	0.025	7.64E-01	0.018	0.040	6.45E-01
rs2939756	11	41436297	A	G	0.475	-0.012	0.002	3.00E-09	-0.006	0.018	7.16E-01	-0.007	0.023	7.64E-01	-0.003	0.036	9.36E-01
rs11166986	8	141656155	A	G	0.491	0.012	0.002	4.00E-09	-0.007	0.017	6.88E-01	-0.029	0.022	1.93E-01	-0.043	0.035	2.20E-01
rs17348216	5	103924374	T	C	0.176	-0.016	0.003	4.00E-09	0.037	0.022	9.50E-02	0.023	0.029	4.16E-01	0.055	0.045	2.25E-01
rs4680392	3	157404329	C	T	0.692	0.014	0.002	4.00E-09	-0.001	0.019	9.49E-01	-0.004	0.024	8.83E-01	0.013	0.039	7.40E-01
rs6598539	15	99204483	C	T	0.516	0.013	0.002	4.00E-09	-0.019	0.018	2.88E-01	-0.049	0.023	3.16E-02	0.005	0.035	8.88E-01
rs7160389	14	98650988	T	C	0.533	-0.012	0.002	4.00E-09	0.019	0.017	2.85E-01	-0.001	0.022	9.54E-01	0.031	0.035	3.76E-01
rs772921	12	56403577	T	C	0.322	-0.012	0.002	4.00E-09	-0.035	0.018	5.04E-02	-0.025	0.023	2.82E-01	-0.024	0.037	5.14E-01
rs11771982	7	132302248	T	C	0.144	-0.016	0.003	5.00E-09	-0.038	0.025	1.21E-01	-0.043	0.032	1.80E-01	-0.019	0.051	7.08E-01
rs3800227	6	108994161	A	G	0.265	-0.013	0.002	5.00E-09	-0.005	0.019	7.87E-01	0.020	0.025	4.12E-01	-0.043	0.039	2.78E-01
rs11808210	1	227515049	A	G	0.075	0.022	0.004	6.00E-09	0.032	0.032	3.19E-01	0.016	0.042	7.05E-01	0.102	0.064	1.14E-01
rs11876432	18	42669425	C	G	0.756	0.013	0.002	7.00E-09	0.032	0.021	1.17E-01	0.026	0.027	3.37E-01	0.058	0.042	1.68E-01
rs12930834	16	72951627	A	C	0.772	0.014	0.002	7.00E-09	-0.009	0.020	6.52E-01	-0.020	0.026	4.30E-01	-0.001	0.041	9.90E-01
rs3851186	11	85931325	C	T	0.781	0.015	0.003	7.00E-09	-0.001	0.020	9.79E-01	-0.012	0.026	6.60E-01	0.031	0.041	4.56E-01
rs4837631	9	122061948	T	C	0.443	-0.013	0.002	7.00E-09	-0.005	0.023	8.44E-01	0.000	0.030	9.96E-01	-0.005	0.044	9.08E-01
rs2236941	3	50247824	T	C	0.333	0.012	0.002	8.00E-09	0.026	0.018	1.46E-01	0.024	0.023	3.13E-01	0.054	0.036	1.35E-01
rs55921136	1	210359333	T	C	0.788	0.016	0.003	8.00E-09	0.018	0.022	4.06E-01	0.042	0.028	1.34E-01	0.015	0.044	7.43E-01
rs78175438	21	40663255	T	C	0.883	-0.019	0.003	8.00E-09	-0.008	0.028	7.68E-01	0.000	0.036	9.95E-01	-0.018	0.055	7.45E-01
rs962472	10	56700597	T	C	0.489	-0.012	0.002	8.00E-09	0.000	0.017	9.93E-01	-0.007	0.022	7.38E-01	0.033	0.035	3.48E-01
rs10160101	10	13549462	C	G	0.385	-0.012	0.002	1.00E-08	0.024	0.018	1.73E-01	0.023	0.023	3.13E-01	0.009	0.036	7.97E-01
rs1174864	7	53127559	A	G	0.539	0.012	0.002	1.00E-08	0.010	0.017	5.47E-01	0.003	0.022	8.80E-01	0.042	0.035	2.34E-01
rs12662631	6	93842446	T	C	0.318	0.012	0.002	1.00E-08	0.016	0.019	4.05E-01	0.024	0.024	3.13E-01	-0.035	0.038	3.57E-01
rs2185913	10	115410234	T	C	0.705	0.012	0.002	1.00E-08	0.004	0.019	8.45E-01	0.016	0.024	5.19E-01	-0.016	0.038	6.61E-01
rs2222016	2	137143307	C	G	0.679	0.013	0.002	1.00E-08	0.026	0.020	1.79E-01	0.034	0.025	1.81E-01	0.049	0.040	2.15E-01
rs2783130	13	80170160	A	G	0.514	0.011	0.002	1.00E-08	0.002	0.017	8.90E-01	0.001	0.022	9.81E-01	0.030	0.035	3.92E-01
rs4479577	3	5723818	T	C	0.479	0.012	0.002	1.00E-08	0.013	0.017	4.35E-01	0.005	0.022	8.33E-01	0.024	0.034	4.86E-01
rs6061162	20	29893501	T	C	0.913	0.020	0.004	1.00E-08	-0.030	0.030	3.13E-01	-0.083	0.038	2.94E-02	0.100	0.061	9.99E-02
rs7130826	11	17037793	T	G	0.733	0.013	0.002	1.00E-08	-0.002	0.026	9.47E-01	0.007	0.033	8.34E-01	-0.055	0.050	2.77E-01
rs745570	17	77781725	A	G	0.503	0.011	0.002	1.00E-08	0.024	0.017	1.56E-01	0.008	0.022	7.07E-01	0.028	0.035	4.21E-01
rs9395644	6	50923637	G	A	0.103	-0.020	0.004	1.00E-08	-0.026	0.028	3.45E-01	-0.022	0.035	5.29E-01	-0.013	0.056	8.17E-01
rs10020574	4	28062966	C	G	0.246	0.013	0.002	2.00E-08	0.007	0.021	7.51E-01	0.015	0.027	5.87E-01	-0.021	0.042	6.21E-01
rs10461104	4	27490579	A	G	0.632	0.013	0.002	2.00E-08	0.034	0.018	4.95E-02	0.034	0.023	1.31E-01	0.007	0.036	8.38E-01
rs117898875	3	84272987	T	C	0.966	-0.032	0.006	2.00E-08	-0.013	0.048	7.83E-01	-0.026	0.062	6.77E-01	0.038	0.097	6.92E-01
rs13160204	5	157734762	A	G	0.299	0.012	0.002	2.00E-08	0.030	0.018	9.99E-02	0.035	0.024	1.35E-01	0.039	0.037	2.94E-01
rs1449435	11	132088917	A	G	0.419	0.012	0.002	2.00E-08	-0.022	0.018	2.23E-01	-0.030	0.023	1.89E-01	0.021	0.036	5.62E-01
rs56081685	13	59454140	T	G	0.702	0.013	0.002	2.00E-08	-0.027	0.019	1.57E-01	-0.038	0.025	1.21E-01	0.006	0.039	8.82E-01
rs969650	9	109378080	T	C	0.639	0.012	0.002	2.00E-08	0.006	0.018	7.34E-01	-0.003	0.023	8.85E-01	0.057	0.036	1.14E-01
rs10751226	11	73312252	T	C	0.826	-0.015	0.003	3.00E-08	-0.017	0.029	5.63E-01	-0.037	0.038	3.34E-01	0.002	0.058	9.71E-01
rs1150668	6	28129789	T	G	0.579	0.011	0.002	3.00E-08	0.000	0.017	9.84E-01	-0.024	0.022	2.83E-01	0.016	0.035	6.57E-01
rs12712272	2	207955477	A	G	0.316	-0.012	0.002	3.00E-08	0.007	0.018	7.01E-01	0.023	0.024	3.29E-01	0.024	0.037	5.12E-01
rs2652434	2	155742894	T	C	0.466	-0.011	0.002	3.00E-08	-0.014	0.017	4.11E-01	-0.024	0.022	2.66E-01	0.023	0.035	5.08E-01
rs3026629	22	38329285	A	G	0.350	-0.012	0.002	3.00E-08	0.007	0.018	6.86E-01	0.011	0.023	6.25E-01	0.017	0.036	6.31E-01
rs6971782	7	70526891	T	C	0.313	-0.012	0.002	3.00E-08	-0.007	0.020	7.38E-01	-0.019	0.025	4.63E-01	-0.008	0.040	8.49E-01
rs7645872	3	25209801	T	C	0.480	0.012	0.002	3.00E-08	0.016	0.018	3.86E-01	0.014	0.023	5.55E-01	0.043	0.036	2.33E-01
rs12476173	2	118247714	A	G	0.615	0.012	0.002	4.00E-08	0.012	0.018	4.90E-01	0.014	0.023	5.59E-01	-0.030	0.036	4.03E-01
rs12517438	5	30842054	T	G	0.469	-0.011	0.002	4.00E-08	-0.012	0.018	5.03E-01	-0.008	0.023	7.41E-01	-0.015	0.036	6.83E-01
rs12997449	2	179039572	A	G	0.877	-0.018	0.003	4.00E-08	0.007	0.026	7.86E-01	0.085	0.035	1.40E-02	-0.139	0.052	7.80E-03
rs146127221	10	87465134	T	C	0.021	0.042	0.008	4.00E-08	-0.067	0.061	2.73E-01	-0.185	0.082	2.31E-02	0.129	0.116	2.66E-01
rs28459916	4	80330743	A	C	0.142	-0.017	0.003	4.00E-08	0.010	0.025	6.91E-01	0.013	0.033	6.84E-01	0.050	0.051	3.25E-01
rs4312833	5	50982154	A	T	0.094	-0.019	0.004	4.00E-08	-0.020	0.029	4.88E-01	-0.037	0.038	3.38E-01	0.041	0.058	4.81E-01
rs58695218	7	39432330	A	G	0.811	0.015	0.003	4.00E-08	-0.023	0.022	2.91E-01	-0.029	0.028	3.07E-01	-0.036	0.044	4.15E-01
rs6438208	3	114170272	A	G	0.254	-0.013	0.002	4.00E-08	0.006	0.027	8.36E-01	-0.010	0.035	7.75E-01	0.044	0.052	3.94E-01
rs7295765	12	86459040	A	C	0.807	-0.015	0.003	4.00E-08	-0.022	0.022	3.07E-01	-0.024	0.028	3.82E-01	0.010	0.044	8.13E-01
rs7901883	10	103186838	A	G	0.225	-0.013	0.002	4.00E-08	0.013	0.020	5.04E-01	0.020	0.026	4.39E-01	0.010	0.041	8.00E-01
rs9388686	6	129425564	C	A	0.829	0.014	0.003	4.00E-08	-0.026	0.022	2.46E-01	-0.017	0.029	5.52E-01	-0.053	0.044	2.34E-01
rs12895462	14	77615441	T	C	0.815	0.014	0.003	5.00E-08	0.007	0.023	7.53E-01	-0.021	0.030	4.76E-01	0.054	0.047	2.49E-01
rs7575189	2	174015168	A	G	0.592	-0.011	0.002	5.00E-08	0.007	0.017	6.84E-01	-0.009	0.022	6.70E-01	0.026	0.035	4.49E-01

* Total number of SNPs after harmonization and filtering from originally 223 SNPs

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S9. Type 2 diabetes mellitus

						T2DM GWAS			Breast cancer-specific: All			Breast cancer-specific: ER-positive			Breast cancer-specific: ER-negative		
SNP*	Chr	Pos	Effect allele	Other allele	EAF	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value	Beta	SE	P-value
rs7903146	10	114758349	C	T	0.289	-0.306	0.008	1.00E-200	0.012	0.018	5.21E-01	-0.009	0.024	7.06E-01	0.002	0.037	9.56E-01
rs7756992	6	20679709	A	G	0.280	-0.130	0.008	6.00E-62	0.021	0.019	2.58E-01	0.016	0.024	5.09E-01	0.031	0.038	4.16E-01
rs7651090	3	185513392	G	A	0.691	0.120	0.008	4.00E-57	0.005	0.018	8.03E-01	0.024	0.024	3.17E-01	-0.037	0.037	3.22E-01
rs3802177	8	118185025	A	G	0.697	-0.122	0.008	2.00E-52	-0.008	0.018	6.59E-01	-0.019	0.024	4.32E-01	0.034	0.037	3.52E-01
rs7185735	16	53822651	A	G	0.395	-0.106	0.007	2.00E-47	-0.010	0.017	5.77E-01	-0.007	0.022	7.40E-01	-0.007	0.035	8.37E-01
rs849135	7	28196413	G	A	0.490	0.100	0.007	1.00E-43	0.022	0.017	1.88E-01	0.008	0.022	7.10E-01	0.042	0.034	2.21E-01
rs7923866	10	94482076	T	C	0.629	-0.097	0.007	9.00E-40	-0.001	0.018	9.51E-01	0.017	0.023	4.59E-01	0.016	0.036	6.65E-01
rs2972144	2	227101411	A	G	0.628	-0.091	0.007	3.00E-34	0.008	0.018	6.71E-01	-0.001	0.023	9.59E-01	0.038	0.036	2.83E-01
rs1801214	4	6303022	C	T	0.594	-0.090	0.007	6.00E-34	-0.002	0.017	9.10E-01	-0.007	0.022	7.47E-01	-0.039	0.035	2.71E-01
rs10830963	11	92708710	G	C	0.721	0.091	0.008	6.00E-30	0.003	0.020	8.77E-01	0.007	0.026	7.78E-01	-0.004	0.040	9.13E-01
rs11708067	3	123065778	G	A	0.771	-0.097	0.008	6.00E-29	-0.031	0.021	1.27E-01	-0.030	0.027	2.60E-01	-0.027	0.041	5.16E-01
rs17334919	2	43707385	T	C	0.908	-0.140	0.013	7.00E-28	-0.019	0.029	5.06E-01	-0.011	0.037	7.57E-01	-0.040	0.059	5.00E-01
rs1552224	11	72433098	C	A	0.841	-0.103	0.010	9.00E-25	-0.001	0.024	9.78E-01	0.002	0.030	9.48E-01	0.034	0.047	4.64E-01
rs1899951	3	12394840	T	C	0.872	-0.112	0.011	2.00E-24	0.017	0.026	5.03E-01	-0.030	0.034	3.75E-01	0.068	0.052	1.89E-01
rs1359790	13	80717156	A	G	0.722	-0.080	0.008	3.00E-23	-0.032	0.019	9.54E-02	-0.035	0.025	1.58E-01	-0.004	0.039	9.15E-01
rs13389219	2	165528876	T	C	0.591	-0.072	0.007	2.00E-22	-0.001	0.017	9.40E-01	-0.010	0.022	6.43E-01	-0.008	0.035	8.17E-01
rs2796441	9	84308948	A	G	0.593	-0.072	0.007	2.00E-22	0.014	0.023	5.56E-01	0.031	0.030	2.95E-01	0.005	0.045	9.17E-01
rs516946	8	41519248	T	C	0.755	-0.082	0.008	3.00E-22	-0.004	0.020	8.45E-01	-0.011	0.025	6.62E-01	0.008	0.041	8.37E-01
rs11651755	17	36099840	C	T	0.515	0.074	0.008	9.00E-22	0.018	0.017	2.94E-01	0.014	0.022	5.20E-01	0.024	0.035	4.82E-01
rs780094	2	27741237	T	C	0.626	-0.069	0.007	5.00E-21	0.014	0.017	4.15E-01	0.013	0.022	5.46E-01	0.038	0.035	2.87E-01
rs5215	11	17408630	C	T	0.636	0.068	0.007	2.00E-20	0.026	0.017	1.36E-01	0.037	0.022	9.57E-02	-0.019	0.035	5.82E-01
rs2191348	7	15064255	G	T	0.548	-0.065	0.007	3.00E-19	-0.001	0.017	9.75E-01	0.014	0.022	5.22E-01	0.019	0.034	5.76E-01
rs1063192	9	22003367	G	A	0.556	-0.063	0.007	3.00E-18	0.000	0.017	9.84E-01	0.024	0.022	2.81E-01	-0.004	0.035	9.04E-01
rs1496653	3	23454790	G	A	0.801	-0.077	0.009	3.00E-18	0.015	0.028	5.95E-01	0.041	0.036	2.57E-01	-0.011	0.054	8.35E-01
rs340874	1	214159256	T	C	0.545	-0.063	0.007	8.00E-18	-0.027	0.018	1.32E-01	-0.017	0.023	4.50E-01	-0.019	0.036	6.03E-01
rs459193	5	55806751	A	G	0.744	-0.071	0.008	9.00E-18	-0.004	0.020	8.53E-01	-0.009	0.026	7.35E-01	-0.049	0.041	2.35E-01
rs7729395	5	102100576	T	C	0.951	0.137	0.015	1.00E-17	0.093	0.059	1.14E-01	0.078	0.076	3.05E-01	0.079	0.113	4.84E-01
rs2261181	12	66212318	T	C	0.903	0.099	0.012	9.00E-17	0.036	0.028	2.04E-01	0.068	0.036	5.79E-02	-0.114	0.059	5.29E-02
rs7177055	15	77832762	G	A	0.712	-0.065	0.008	3.00E-16	0.012	0.019	5.36E-01	-0.012	0.025	6.33E-01	0.030	0.038	4.27E-01
rs8108269	19	46158513	G	T	0.702	0.064	0.008	3.00E-16	-0.046	0.019	1.42E-02	-0.018	0.024	4.45E-01	-0.077	0.038	4.27E-02
rs17168486	7	14898282	T	C	0.827	0.074	0.009	2.00E-15	0.017	0.023	4.56E-01	0.009	0.030	7.66E-01	0.042	0.046	3.57E-01
rs243019	2	60585806	C	T	0.535	0.057	0.007	2.00E-15	-0.015	0.017	3.92E-01	-0.015	0.022	5.03E-01	-0.002	0.034	9.49E-01
rs10974438	9	4291928	C	A	0.636	0.059	0.008	3.00E-15	0.040	0.019	3.21E-02	0.049	0.024	4.21E-02	0.015	0.037	6.88E-01
re61953351	12	121456616	T	G	0.752	-0.070	0.009	2.00E-14	0.000	0.019	9.99E-01	0.004	0.025	8.72E-01	-0.023	0.039	5.51E-01
rs6795735	3	64705365	C	T	0.414	0.056	0.007	2.00E-14	-0.018	0.017	3.03E-01	-0.008	0.022	7.14E-01	-0.016	0.035	6.54E-01
rs8068804	17	3985864	A	G	0.679	0.059	0.008	4.00E-14	0.004	0.018	8.16E-01	0.004	0.024	8.81E-01	0.011	0.037	7.66E-01
rs2857605	6	31524851	C	T	0.796	-0.067	0.009	6.00E-14	-0.022	0.021	2.95E-01	-0.011	0.027	6.90E-01	-0.036	0.043	4.08E-01
rs13234269	7	130429186	A	T	0.519	-0.058	0.008	7.00E-14	-0.063	0.023	5.86E-03	-0.080	0.029	6.35E-03	-0.040	0.045	3.78E-01
rs9894220	17	46989154	G	A	0.578	-0.059	0.008	2.00E-13	0.004	0.018	8.20E-01	0.004	0.023	8.49E-01	-0.011	0.036	7.63E-01
rs825476	12	124568456	C	T	0.578	-0.052	0.007	7.00E-13	0.014	0.017	4.16E-01	0.021	0.022	3.49E-01	-0.008	0.035	8.14E-01
rs2820426	1	219660535	A	G	0.631	-0.052	0.007	1.00E-12	-0.013	0.018	4.69E-01	-0.024	0.023	3.00E-01	-0.028	0.036	4.30E-01
rs17791483	9	81898980	G	A	0.937	-0.102	0.015	3.00E-12	0.041	0.034	2.23E-01	0.036	0.044	4.04E-01	0.056	0.069	4.15E-01
rs10401969	19	19407718	C	T	0.921	0.092	0.013	4.00E-12	0.007	0.031	8.36E-01	-0.026	0.041	5.21E-01	0.011	0.063	8.67E-01
rs12970134	18	57884750	A	G	0.734	0.056	0.008	5.00E-12	0.040	0.019	3.81E-02	0.026	0.025	2.88E-01	0.091	0.039	1.90E-02
rs853974	6	127068983	T	C	0.740	0.060	0.009	8.00E-12	0.016	0.020	4.08E-01	0.020	0.025	4.26E-01	0.072	0.040	7.21E-02
rs2925979	16	81534790	T	C	0.702	0.053	0.008	9.00E-12	-0.011	0.019	5.45E-01	0.014	0.024	5.60E-01	-0.019	0.038	6.21E-01
rs12088739	1	51506886	G	A	0.910	-0.088	0.013	1.00E-11	0.075	0.029	9.52E-03	0.064	0.037	8.29E-02	0.093	0.059	1.12E-01
rs4865796	5	53272664	G	A	0.695	-0.053	0.008	1.00E-11	0.005	0.018	7.89E-01	-0.002	0.024	9.20E-01	-0.011	0.037	7.60E-01
rs7572970	2	161136656	A	G	0.743	-0.059	0.009	1.00E-11	-0.037	0.019	4.86E-02	-0.031	0.024	2.06E-01	-0.055	0.039	1.59E-01
rs576674	13	33554302	G	A	0.832	0.065	0.010	2.00E-11	0.030	0.023	1.90E-01	0.019	0.030	5.29E-01	-0.004	0.047	9.25E-01
rs735949	4	185716232	C	T	0.856	-0.071	0.011	2.00E-11	-0.029	0.026	2.55E-01	-0.013	0.033	6.92E-01	-0.056	0.053	2.90E-01
rs1050226	6	7281654	G	A	0.597	-0.049	0.007	3.00E-11	-0.009	0.023	7.12E-01	-0.031	0.030	2.93E-01	0.040	0.045	3.67E-01
rs4932143	15	90372067	G	C	0.726	0.057	0.009	6.00E-11	0.023	0.025	3.60E-01	0.043	0.033	1.89E-01	0.028	0.049	5.73E-01
rs72892910	6	50816887	T	G	0.818	0.065	0.010	6.00E-11	0.000	0.022	9.87E-01	0.008	0.029	7.83E-01	0.005	0.045	9.07E-01
rs2071479	6	32781112	T	C	0.967	0.147	0.023	7.00E-11	0.100	0.045	2.44E-02	0.163	0.056	3.58E-03	0.050	0.094	5.94E-01
rs2493394	1	120471224	G	A	0.891	0.073	0.011	1.00E-10	0.026	0.027	3.40E-01	0.018	0.035	6.10E-01	0.073	0.054	1.78E-01
rs9369425	6	43810974	G	A	0.711	0.055	0.008	1.00E-10	-0.005	0.019	7.86E-01	-0.021	0.024	3.77E-01	-0.005	0.038	8.99E-01
rs7685296	4	153254121	T	C	0.732	-0.051	0.008	2.00E-10	0.015	0.020	4.61E-01	-0.022	0.026	3.90E-01	0.029	0.041	4.70E-01
rs13239186	7	117510621	T	C	0.679	0.054	0.009	3.00E-10	0.021	0.018	2.59E-01	0.030	0.024	2.04E-01	0.011	0.038	7.73E-01
rs4823182	22	44377442	G	A	0.641	0.048	0.008	3.00E-10	0.061	0.019	9.26E-04	0.065	0.024	6.34E-03	0.061	0.038	1.03E-01
rs622217	6	160766770	T	C	0.498	0.049	0.008	3.00E-10	0.003	0.017	8.41E-01	-0.003	0.022	8.81E-01	-0.022	0.035	5.25E-01
rs993380	4	83584496	A	G	0.655	0.051	0.008	5.00E-10	0.021	0.018	2.31E-01	-0.002	0.023	9.16E-01	0.049	0.036	1.65E-01
rs7138300	12	71439589	C	T	0.550	0.044	0.007	6.00E-10	0.003	0.018	8.80E-01	0.004	0.023	8.75E-01	0.022	0.036	5.31E-01
rs7674212	4	103988899	G	T	0.420	0.047	0.007	6.00E-10	-0.004	0.017	8.10E-01	0.012	0.022	5.91E-01	-0.055	0.035	1.16E-01
rs1758632	9	34025640	C	G	0.617	-0.049	0.008	1.00E-09	-0.009	0.018	6.22E-01	-0.009	0.023	6.86E-01	0.013	0.036	7.16E-01
rs12945601	17	17653411	T	C	0.598	0.048	0.008	2.00E-09	-0.006	0.017	7.15E-01	0.005	0.022	8.33E-01	-0.006	0.035	8.60E-01
rs17405722	17	40542501	A	G	0.931	0.087	0.015	2.00E-09	0.013	0.033	6.90E-01	0.021	0.043	6.15E-01	0.025	0.067	7.03E-01
rs3448330	1	229457955	G	A	0.646	0.049	0.008	2.00E-09	0.011	0.019	5.54E-01	0.023	0.025	3.54E-01	0.038	0.039	3.23E-01
rs3887925	3	186665645	C	T	0.557	-0.047	0.008	2.00E-09	-0.014	0.017	4.22E-01	-0.010	0.022	6.51E-01	-0.016	0.035	6.37E-01
rs6066138	20	45594711	G	A	0.255	0.049	0.008	2.00E-09	-0.031	0.026	2.33E-01	-0.052	0.033	1.18E-01	0.004	0.051	9.40E-01
rs7929543	11	49351026	C	A	0.919	0.083	0.014	2.00E-09	-0.022	0.031	4.83E-01	-0.034	0.041	3.95E-01	-0.013	0.064	8.33E-01
rs10087241	8	30863722	G	A	0.581	0.048	0.008	3.00E-09	0.000	0.017	9.91E-01	-0.023	0.022	3.05E-01	0.025	0.036	4.78E-01
rs11048456	12	26463082	C	T	0.748	0.049	0.008	3.00E-09	-0.022	0.020	2.63E-01	-0.030	0.026	2.36E-01	0.000	0.040	9.91E-01
rs244415	16	69666683	A	G	0.569	-0.047	0.008	4.00E-09	-0.003	0.017	8.46E-01	-0.007	0.022	7.46E-01	0.009	0.035	7.86E-01
rs2908282	7	44248828	G	A	0.167	-0.055	0.009	4.00E-09	0.001	0.030	9.65E-01	-0.002	0.039	9.68E-01	-0.072	0.060	2.28E-01
rs7845219	8	95937502	C	T	0.523	-0.042	0.007	5.00E-09	-0.033	0.017	5.39E-02	-0.025	0.022	2.51E-01	-0.046	0.034	1.80E-01
rs2616132	10	71469514	A	G	0.534	0.046	0.008	7.00E-09	-0.012	0.017	4.72E-01	0.000	0.022	9.87E-01	-0.056	0.034	1.03E-01
rs7931302	11	128236058	C	A	0.721	0.046	0.008	8.00E-09	0.035	0.026	1.75E-01	0.040	0.033	2.27E-01	0.069	0.049	1.60E-01
rs16988333	22	30552813	G	A	0.922	-0.075	0.013	9.00E-09	-0.002	0.031	9.43E-01	0.038	0.040	3.36E-01	-0.133	0.065	4.13E-02
rs10114341	9	96919182	C	T	0.551	-0.041	0.007	1.00E-08	-0.024	0.017	1.56E-01	-0.019	0.022	3.86E-01	-0.023	0.035	5.07E-01
rs2292662	3	63897215	T	C	0.848	-0.063	0.011	1.00E-08	0.006	0.023	7.97E-01	0.010	0.030	7.25E-01	-0.109	0.048	2.28E-02
rs2299383	7	103418846	T	C	0.568	0.041	0.007	1.00E-08	-0.005	0.018	7.66E-01	-0.019	0.023	4.11E-01	0.022	0.036	5.47E-01
rs7786095	7	156983847	G	A	0.898	-0.074	0.013	1.00E-08	-0.009	0.029	7.50E-01	0.011	0.037	7.64E-01	-0.050	0.059	3.94E-01
rs11098676	4	123833154	T	C	0.783	-0.054	0.010	2.00E-08	-0.043	0.020	3.52E-02	-0.028	0.026	2.82E-01	-0.066	0.041	1.12E-01
rs1127655	1	117530507	C	T	0.534	0.044	0.008	2.00E-08	-0.005	0.017	7.57E-01	0.027	0.022	2.26E-01	-0.057	0.035	1.08E-01
rs11925227	3	170766618	A	G	0.818	-0.053	0.009	2.00E-08	-0.004	0.031	9.02E-01	-0.014	0.040	7.24E-01	0.017	0.058	7.71E-01
rs11926707	3	46925539	T	C	0.626	-0.046	0.008	2.00E-08	-0.024	0.018	1.76E-01	-0.036	0.023	1.17E-01	-0.014	0.036	7.08E-01
rs17086692	4	53134293	T	G	0.675	-0.047	0.008	2.00E-08	-0.015	0.024	5.25E-01	0.008	0.031	8.01E-01	-0.082	0.048	8.58E-02
rs2294120	8	146003567	G	A	0.531	-0.044	0.008	2.00E-08	0.010	0.024	6.91E-01	0.040	0.031	1.94E-01	-0.065	0.047	1.60E-01
rs2633310	10	75594050	G	T	0.428	0.044	0.008	2.00E-08	0.003	0.018	8.74E-01	0.014	0.023	5.31E-01	-0.002	0.036	9.65E-01
rs4502156	15	62383155	C	T	0.551	-0.041	0.007	2.00E-08	-0.019	0.018	2.87E-01	-0.015	0.024	5.29E-01	-0.027	0.037	4.66E-01
rs4810426	20	43001721	T	C	0.876	0.073	0.013	2.00E-08	0.009	0.027	7.55E-01	-0.036	0.036	3.07E-01	0.070	0.055	2.04E-01
rs6059662	20	32675727	A	G	0.702	-0.045	0.008	2.00E-08	0.011	0.018	5.54E-01	0.023	0.024	3.45E-01	0.022	0.037	5.64E-01
rs7144011	14	79940383	T	G	0.782	0.048	0.008	2.00E-08	0.005	0.021	8.11E-01	-0.016	0.027	5.65E-01	0.024	0.042	5.71E-01
rs963740	13	51096095	T	A	0.705	-0.048	0.009	2.00E-08	-0.009	0.019	6.36E-01	-0.020	0.024	4.08E-01	0.017	0.038	6.58E-01
rs17411031	8	19852310	G	C	0.736	-0.045	0.008	3.00E-08	-0.011	0.019	5.57E-01	-0.021	0.025	3.88E-01	0.049	0.039	2.07E-01
rs2307111	5	75003678	T	C	0.404	0.041	0.007	3.00E-08	-0.013	0.017	4.42E-01	-0.028	0.022	2.11E-01	0.024	0.035	4.93E-01
rs6515236	20	22435749	C	A	0.745	-0.050	0.009	3.00E-08	0.018	0.026	4.92E-01	0.026	0.033	4.32E-01	-0.005	0.051	9.21E-01
rs7561798	2	228973660	G	A	0.526	0.040	0.007	3.00E-08	0.026	0.023	2.47E-01	0.001	0.029	9.64E-01	0.063	0.044	1.59E-01
rs10169613	2	111934977	T	C	0.528	-0.043	0.008	4.00E-08	0.013	0.017	4.39E-01	-0.015	0.022	4.92E-01	0.018	0.035	6.00E-01
rs11107116	12	93978504	G	T	0.224	-0.047	0.008	4.00E-08	-0.040	0.021	5.06E-02	-0.026	0.027	3.21E-01	-0.032	0.041	4.43E-01
rs17631783	17	61687600	C	T	0.282	0.049	0.009	4.00E-08	0.002	0.020	9.07E-01	-0.016	0.026	5.34E-01	0.037	0.040	3.57E-01
rs10077431	5	112927686	A	C	0.792	-0.049	0.009	5.00E-08	-0.025	0.022	2.51E-01	-0.030	0.028	2.98E-01	0.027	0.044	5.31E-01

* Total number of SNPs after harmonization and filtering from originally 138 SNPs

SNPs removed. Overlapping between BMI and T2DM

SNPs removed. In linkage desequilibrium with SNPs in BMI

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S10. Body mass index European-specific

						BMI-European GWAS			Breast cancer-specific: All		
SNP	**Chr**	**Pos**	**Effect allele**	**Other allele**	**EAF**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**
rs10132280	14	25928179	A	C	0.333	-0.023	0.003	1.14E-11	-0.012	0.019	5.23E-01
rs1016287	2	59305625	T	C	0.325	0.023	0.003	2.25E-11	0.002	0.019	9.16E-01
rs10182181	2	25150296	A	G	0.500	-0.031	0.003	8.78E-24	0.001	0.023	9.61E-01
rs10733682	9	129460914	A	G	0.425	0.017	0.003	1.83E-08	0.020	0.017	2.42E-01
rs10938397	4	45182527	A	G	0.567	-0.040	0.003	3.21E-38	-0.027	0.017	1.15E-01
rs10968576	9	28414339	G	A	0.292	0.025	0.003	6.61E-14	0.010	0.018	5.89E-01
rs11030104	11	27684517	A	G	0.800	0.041	0.004	5.56E-28	0.005	0.021	8.15E-01
rs11057405	12	122781897	A	G	0.092	-0.031	0.006	2.02E-08	0.006	0.039	8.82E-01
rs11165643	1	96924097	C	T	0.425	-0.022	0.003	2.07E-12	0.026	0.023	2.58E-01
rs1167827	7	75163169	A	G	0.458	-0.020	0.003	6.33E-10	0.014	0.017	4.17E-01
rs11727676	4	145659064	C	T	0.075	-0.036	0.006	2.55E-08	-0.060	0.039	1.26E-01
rs12286929	11	115022404	G	A	0.433	0.022	0.003	1.31E-12	0.012	0.018	4.84E-01
rs12429545	13	54102206	G	A	0.900	-0.033	0.005	1.09E-12	-0.036	0.033	2.88E-01
rs12940622	17	78615571	A	G	0.458	-0.018	0.003	2.49E-09	0.016	0.023	4.96E-01
rs12986742	2	58975143	C	T	0.500	0.021	0.004	1.01E-08	-0.009	0.017	6.12E-01
rs13078960	3	85807590	T	G	0.817	-0.030	0.004	1.74E-14	0.014	0.021	5.11E-01
rs13107325	4	103188709	C	T	0.883	-0.048	0.007	1.83E-12	0.047	0.036	1.85E-01
rs13191362	6	163033350	A	G	0.800	0.028	0.005	7.34E-09	0.050	0.036	1.67E-01
rs1516725	3	185824004	T	C	0.092	-0.045	0.005	1.89E-22	-0.004	0.026	8.73E-01
rs1528435	2	181550962	T	C	0.583	0.018	0.003	1.20E-08	-0.013	0.018	4.67E-01
rs1558902	16	53803574	A	T	0.450	0.082	0.003	7.51E-153	-0.013	0.017	4.42E-01
rs16851483	3	141275436	G	T	0.908	-0.048	0.008	3.55E-10	0.020	0.035	5.64E-01
rs16951275	15	68077168	C	T	0.225	-0.031	0.004	1.91E-17	0.037	0.020	6.54E-02
rs17001654	4	77129568	C	G	0.842	-0.031	0.005	7.76E-09	-0.048	0.024	4.65E-02
rs17066856	18	58049656	C	T	0.133	-0.040	0.006	6.23E-13	-0.019	0.029	5.22E-01
rs17094222	10	102395440	C	T	0.208	0.025	0.004	5.94E-11	-0.006	0.021	7.68E-01
rs17405819	8	76806584	C	T	0.367	-0.022	0.003	2.07E-11	-0.034	0.019	6.30E-02
rs17724992	19	18454825	A	G	0.692	0.019	0.004	3.42E-08	0.004	0.019	8.45E-01
rs1808579	18	21104888	T	C	0.475	-0.017	0.003	4.17E-08	-0.008	0.017	6.51E-01
rs1928295	9	120378483	C	T	0.425	-0.019	0.003	7.91E-10	0.007	0.017	6.87E-01
rs2033732	8	85079709	C	T	0.758	0.019	0.004	4.89E-08	0.002	0.020	9.12E-01
rs205262	6	34563164	A	G	0.733	-0.022	0.004	1.75E-10	-0.023	0.019	2.16E-01
rs2121279	2	143043285	T	C	0.117	0.025	0.004	2.31E-08	-0.013	0.026	6.06E-01
rs2176598	11	43864278	T	C	0.200	0.020	0.004	2.97E-08	0.001	0.019	9.76E-01
rs2207139	6	50845490	G	A	0.100	0.045	0.004	4.13E-29	0.010	0.023	6.67E-01
rs2245368	7	76608143	T	C	0.758	-0.032	0.006	3.19E-08	0.016	0.029	5.90E-01
rs2287019	19	46202172	C	T	0.850	0.036	0.004	4.59E-18	-0.004	0.022	8.63E-01
rs2303223	16	31075175	A	G	0.375	-0.018	0.003	3.67E-09	-0.017	0.017	3.28E-01
rs2365389	3	61236462	C	T	0.658	0.020	0.003	1.63E-10	-0.021	0.017	2.21E-01
rs2820292	1	201784287	A	C	0.492	-0.020	0.003	1.83E-10	-0.029	0.017	8.87E-02
rs29941	19	34309532	A	G	0.333	-0.018	0.003	2.41E-08	0.013	0.018	4.60E-01
rs3736485	15	51748610	A	G	0.425	0.018	0.003	7.41E-09	-0.003	0.017	8.46E-01
rs3817334	11	47650993	C	T	0.550	-0.026	0.003	5.15E-17	-0.035	0.023	1.35E-01
rs3849570	3	81792112	A	C	0.367	0.019	0.003	2.60E-08	0.020	0.018	2.64E-01
rs3888190	16	28889486	A	C	0.358	0.031	0.003	3.14E-23	0.028	0.017	1.12E-01
rs4740619	9	15634326	T	C	0.533	0.018	0.003	4.56E-09	0.020	0.017	2.54E-01
rs543874	1	177889480	G	A	0.267	0.048	0.004	2.62E-35	0.031	0.021	1.52E-01
rs6477694	9	111932342	C	T	0.358	0.017	0.003	2.67E-08	0.012	0.018	4.95E-01
rs6567160	18	57829135	C	T	0.283	0.056	0.004	3.93E-53	0.048	0.020	1.53E-02
rs657452	1	49589847	A	G	0.417	0.023	0.003	5.48E-13	-0.015	0.018	4.05E-01
rs6656785	1	75005776	G	A	0.383	0.022	0.003	3.83E-12	0.016	0.018	3.59E-01
rs6804842	3	25106437	A	G	0.425	-0.019	0.003	2.48E-09	-0.063	0.023	6.12E-03
rs7138803	12	50247468	G	A	0.558	-0.032	0.003	8.15E-24	0.015	0.018	3.99E-01
rs7141420	14	79899454	T	C	0.617	0.024	0.003	1.23E-14	0.000	0.023	9.90E-01
rs758747	16	3627358	C	T	0.733	-0.023	0.004	7.47E-10	0.015	0.020	4.61E-01
rs7599312	2	213413231	G	A	0.708	0.022	0.003	1.17E-10	0.022	0.019	2.63E-01
rs7899106	10	87410904	A	G	0.950	-0.040	0.007	2.96E-08	0.025	0.040	5.36E-01
rs879620	16	4015729	C	T	0.408	-0.024	0.004	1.06E-09	0.031	0.018	8.25E-02
rs9400239	6	108977663	C	T	0.700	0.019	0.003	1.61E-08	-0.010	0.019	5.95E-01
rs9579083	13	28017270	G	C	0.767	-0.030	0.005	3.46E-10	0.054	0.022	1.29E-02
rs9926784	16	19941968	T	C	0.792	0.027	0.004	1.85E-10	0.000	0.022	9.89E-01

Data source: https://portals.broadinstitute.org/collaboration/giant/index.php/GIANT_consortium_data_files#GWAS_Anthropometric_2015_BMI_Summary_Statistics

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error

Table S11. Type 2 diabetes mellitus replicate

						T2DM GWAS			Breast cancer-specific: All		
SNP	**Chr**	**Pos**	**Effect allele**	**Other allele**	**EAF**	**Beta**	**SE**	**P-value**	**Beta**	**SE**	**P-value**
rs1005752	15	77818128	A	C	0.715	0.033	0.008	2.50E-29	-0.007	0.019	7.12E-01
rs10096633	8	19830921	C	T	0.877	0.029	0.010	1.10E-12	-0.024	0.025	8.74E-01
rs10097617	8	95961626	T	C	0.485	0.017	0.008	3.30E-11	0.014	0.017	4.90E-01
rs10193538	2	58981064	T	G	0.610	0.017	0.008	8.90E-09	-0.007	0.018	6.03E-01
rs10195252	2	165513091	T	C	0.586	0.029	0.005	6.00E-25	0.004	0.017	5.79E-01
rs10228066	7	15063569	T	C	0.537	0.029	0.008	1.10E-28	0.001	0.017	5.48E-01
rs10406327	19	33890838	C	G	0.523	0.017	0.008	3.80E-08	-0.006	0.017	5.26E-01
rs10406431	19	46157019	A	G	0.563	0.021	0.005	9.60E-14	-0.013	0.017	5.58E-01
rs1061810	11	43877934	A	C	0.288	0.021	0.008	6.00E-13	-0.003	0.019	2.84E-01
rs10750397	11	128234144	A	G	0.282	0.021	0.008	8.30E-13	-0.032	0.025	2.80E-01
rs10811660	9	22134068	G	A	0.828	0.104	0.013	1.40E-115	-0.021	0.022	8.25E-01
rs10830963	11	92708710	G	C	0.277	0.041	0.008	4.80E-43	0.003	0.020	2.79E-01
rs10842994	12	27965150	C	T	0.805	0.033	0.008	4.10E-20	0.036	0.022	7.94E-01
rs10882101	10	94462427	T	C	0.587	0.025	0.010	1.40E-08	0.003	0.017	5.92E-01
rs10908278	17	36099952	T	A	0.481	0.033	0.008	6.40E-36	0.018	0.017	4.84E-01
rs10938398	4	45186139	A	G	0.429	0.021	0.008	3.60E-12	0.029	0.017	4.30E-01
rs10954772	8	30863938	T	C	0.314	0.017	0.008	1.80E-09	0.000	0.019	3.13E-01
rs10974438	9	4291928	C	A	0.357	0.021	0.008	1.50E-14	0.040	0.019	3.64E-01
rs1127215	1	117532790	C	T	0.584	0.021	0.005	1.60E-13	-0.010	0.018	5.85E-01
rs11496066	7	102486254	T	C	0.818	0.033	0.015	1.10E-08	0.031	0.022	8.12E-01
rs115505614	5	102422968	T	C	0.050	0.076	0.018	1.30E-30	0.022	0.045	4.85E-02
rs11642430	16	30045789	G	C	0.399	0.017	0.005	2.20E-09	0.022	0.017	3.89E-01
rs11680058	2	16574669	A	G	0.863	0.025	0.010	1.40E-08	-0.059	0.043	8.74E-01
rs11688682	2	121347612	G	C	0.728	0.021	0.008	4.20E-09	-0.020	0.025	7.23E-01
rs11699802	20	48832135	C	T	0.536	0.017	0.008	1.80E-11	-0.020	0.017	5.22E-01
rs117001013	22	32348841	C	T	0.912	0.029	0.013	1.70E-08	0.061	0.033	9.26E-01
rs11708067	3	123065778	A	G	0.772	0.037	0.008	5.20E-32	0.031	0.021	7.71E-01
rs11759026	6	126792095	G	A	0.232	0.029	0.008	2.40E-18	0.024	0.021	2.29E-01
rs11842871	13	31042452	G	T	0.735	0.017	0.008	1.20E-08	-0.008	0.027	7.49E-01
rs12001437	9	34074476	C	T	0.372	0.017	0.008	2.80E-10	-0.005	0.018	3.66E-01
rs1260326	2	27730940	C	T	0.607	0.029	0.005	6.50E-25	-0.002	0.017	6.16E-01
rs12640250	4	17792869	C	A	0.715	0.017	0.005	3.70E-08	0.024	0.019	7.20E-01
rs12719778	8	145879883	T	C	0.538	0.017	0.005	5.00E-09	-0.005	0.023	5.25E-01
rs12811407	12	133069698	A	G	0.331	0.021	0.008	1.70E-12	-0.017	0.018	3.28E-01
rs12920022	16	89564055	A	T	0.158	0.021	0.008	3.40E-09	-0.002	0.025	1.49E-01
rs1296328	4	137083193	A	C	0.446	0.017	0.008	3.50E-08	0.010	0.018	4.49E-01
rs13041756	20	21466795	C	T	0.107	0.025	0.010	1.40E-08	0.005	0.029	9.95E-02
rs13262861	8	41508577	C	A	0.829	0.029	0.010	4.00E-12	0.006	0.023	8.15E-01
rs13426680	2	158339550	A	G	0.937	0.037	0.013	6.70E-10	0.058	0.036	9.34E-01
rs1359790	13	80717156	G	A	0.720	0.037	0.008	2.40E-31	0.032	0.019	7.22E-01
rs1377807	17	4045440	C	G	0.312	0.021	0.008	4.20E-13	-0.002	0.019	3.13E-01
rs1412234	9	28410683	C	T	0.323	0.017	0.008	1.90E-10	0.008	0.018	3.17E-01
rs141521721	11	14763828	A	C	0.024	0.053	0.023	2.70E-08	-0.059	0.062	2.15E-02
rs1421085	16	53800954	C	T	0.415	0.053	0.008	3.10E-84	-0.012	0.017	4.07E-01
rs1426371	12	108629780	G	A	0.739	0.021	0.008	8.20E-12	-0.021	0.029	7.37E-01
rs145678014	11	32927778	G	T	0.957	0.045	0.018	2.00E-10	-0.005	0.044	9.58E-01
rs145904381	1	151017991	T	C	0.987	0.076	0.036	2.60E-08	-0.044	0.108	9.87E-01
rs1493694	1	120526982	T	C	0.109	0.037	0.010	2.70E-16	0.021	0.027	1.08E-01
rs1561927	8	129568078	C	T	0.269	0.017	0.008	1.50E-09	-0.023	0.019	2.67E-01
rs1562396	7	130457914	G	A	0.319	0.025	0.008	9.90E-18	0.030	0.024	3.37E-01
rs1580278	4	104140848	C	A	0.473	0.017	0.005	2.20E-10	0.000	0.018	4.69E-01
rs1708302	7	28198677	C	T	0.512	0.041	0.008	1.10E-48	0.024	0.017	5.11E-01
rs17122772	14	23288935	G	C	0.228	0.017	0.008	1.60E-08	-0.003	0.021	2.22E-01
rs17168486	7	14898282	T	C	0.181	0.029	0.008	2.30E-17	0.017	0.023	1.73E-01
rs17250977	5	14753745	G	A	0.038	0.049	0.018	2.00E-11	-0.045	0.071	3.55E-02
rs17522122	14	33302882	T	G	0.474	0.017	0.005	3.20E-09	0.016	0.018	4.67E-01
rs17684074	18	54675384	G	C	0.740	0.017	0.008	2.90E-08	0.004	0.020	7.35E-01
rs17772814	8	128711742	G	A	0.915	0.033	0.015	5.40E-10	0.004	0.031	9.16E-01
rs17791513	9	81905590	A	G	0.932	0.041	0.013	3.10E-14	-0.032	0.034	9.35E-01
rs1783541	11	65294799	T	C	0.204	0.025	0.008	2.00E-14	-0.027	0.022	2.07E-01
rs17836088	14	79932041	C	G	0.217	0.025	0.010	6.70E-14	0.004	0.021	2.18E-01
rs1796330	12	71522953	G	C	0.571	0.021	0.005	2.20E-14	0.003	0.018	5.63E-01
rs1800961	20	43042364	T	C	0.035	0.072	0.020	2.30E-22	-0.038	0.048	3.60E-02
rs184509201	10	114740337	C	G	0.982	0.083	0.031	1.20E-13	0.084	0.064	9.81E-01
rs1903002	4	89740894	G	C	0.501	0.017	0.008	2.70E-08	0.006	0.017	5.17E-01
rs2102278	4	52818664	G	A	0.319	0.017	0.008	3.70E-08	0.009	0.019	3.12E-01
rs2197973	12	95928560	T	C	0.538	0.017	0.008	3.60E-08	0.002	0.018	5.33E-01
rs2258238	12	66221060	T	A	0.104	0.041	0.013	4.50E-21	0.041	0.027	1.06E-01
rs2268078	20	32596704	A	G	0.657	0.017	0.008	2.30E-10	-0.011	0.018	6.82E-01
rs2272163	3	77671721	C	A	0.618	0.017	0.008	9.60E-09	0.020	0.023	6.06E-01
rs2283220	11	2755548	A	G	0.690	0.021	0.008	1.40E-09	0.006	0.019	6.97E-01
rs243024	2	60583665	A	G	0.460	0.025	0.005	2.50E-20	-0.013	0.017	4.60E-01
rs2796441	9	84308948	G	A	0.592	0.029	0.008	4.40E-24	-0.014	0.023	5.93E-01
rs28505901	9	139241030	G	A	0.752	0.037	0.010	6.70E-26	0.035	0.027	7.43E-01
rs2925979	16	81534790	T	C	0.300	0.021	0.008	1.40E-14	0.011	0.019	2.98E-01
rs3111316	19	13038415	A	G	0.589	0.021	0.008	6.30E-13	0.012	0.023	5.94E-01
rs329122	5	133864599	A	G	0.429	0.017	0.005	3.60E-09	0.015	0.017	4.13E-01
rs340874	1	214159256	C	T	0.556	0.029	0.008	1.60E-22	0.027	0.018	5.45E-01
rs34584161	13	26776999	A	G	0.760	0.021	0.008	2.20E-10	0.027	0.020	7.61E-01
rs34715063	15	38873115	C	T	0.124	0.041	0.013	2.30E-19	0.045	0.040	1.18E-01
rs348330	1	229672955	G	A	0.361	0.021	0.008	2.70E-14	0.011	0.019	3.55E-01
rs34965774	12	118412373	A	G	0.144	0.025	0.010	2.00E-09	-0.019	0.033	1.33E-01
rs35352848	3	23455582	T	C	0.788	0.029	0.010	1.30E-17	-0.014	0.028	8.01E-01
rs35895680	17	47060322	C	A	0.678	0.025	0.008	2.50E-15	-0.012	0.024	6.74E-01
rs35999103	2	147861633	T	C	0.155	0.021	0.010	9.70E-09	-0.056	0.032	1.53E-01
rs3751837	16	3583173	T	C	0.220	0.017	0.008	1.40E-08	-0.011	0.022	2.26E-01
rs3768321	1	40035928	T	G	0.200	0.037	0.008	2.60E-26	0.000	0.029	2.03E-01
rs3798519	6	50788778	C	A	0.184	0.025	0.010	2.60E-12	0.002	0.022	1.89E-01
rs3802177	8	118185025	G	A	0.685	0.045	0.008	1.10E-55	0.008	0.018	6.97E-01
rs3845281	5	14610134	G	A	0.904	0.033	0.010	2.30E-11	-0.043	0.030	9.08E-01
rs3887925	3	186665645	T	C	0.547	0.029	0.008	3.10E-22	0.014	0.017	5.57E-01
rs4238013	12	4376089	C	T	0.209	0.025	0.008	3.20E-11	0.046	0.028	2.09E-01
rs429358	19	45411941	T	C	0.846	0.033	0.010	2.60E-18	0.012	0.025	8.61E-01
rs4457053	5	76424949	G	A	0.304	0.025	0.008	8.40E-18	-0.019	0.019	3.02E-01
rs4688760	3	49980596	T	C	0.684	0.017	0.008	3.50E-10	-0.005	0.019	6.77E-01
rs4709746	6	164133001	C	T	0.868	0.025	0.010	5.80E-09	0.009	0.034	8.65E-01
rs474513	6	160770312	A	G	0.517	0.017	0.005	8.10E-10	-0.002	0.017	5.08E-01

rs4804833	19	7970635	A	G	0.390	0.021	0.008	7.70E-13	0.019	0.017	3.96E-01
rs4925109	17	17661802	A	G	0.316	0.021	0.008	2.80E-12	-0.002	0.018	3.27E-01
rs4929965	11	2197286	A	G	0.383	0.029	0.008	4.00E-26	-0.017	0.017	3.86E-01
rs4932265	15	90423293	T	C	0.267	0.029	0.008	4.20E-20	0.021	0.026	2.57E-01
rs4946812	6	107431688	G	A	0.674	0.017	0.005	8.20E-09	-0.023	0.024	6.75E-01
rs4977213	8	145507304	C	T	0.375	0.021	0.008	9.10E-14	0.010	0.024	3.75E-01
rs505922	9	136149229	C	T	0.332	0.021	0.008	3.90E-12	-0.016	0.018	3.57E-01
rs5213	11	17408404	C	T	0.362	0.029	0.008	3.50E-27	0.028	0.018	3.53E-01
rs539515	1	177889025	C	A	0.198	0.021	0.008	1.60E-10	0.032	0.021	1.87E-01
rs55653563	9	97001682	A	C	0.732	0.017	0.008	2.20E-09	0.027	0.019	7.33E-01
rs56348580	12	121432117	G	C	0.689	0.021	0.008	2.30E-13	0.026	0.018	6.99E-01
rs58432198	1	51256091	C	T	0.881	0.029	0.010	2.10E-10	-0.091	0.027	8.85E-01
rs58730668	4	185717759	T	C	0.858	0.029	0.010	1.30E-13	0.029	0.026	8.56E-01
rs601945	6	32573415	G	A	0.178	0.025	0.010	4.70E-08	-0.004	0.031	1.29E-01
rs60276348	17	62203304	T	C	0.140	0.021	0.010	2.60E-08	-0.074	0.036	1.40E-01
rs6070625	20	57394628	G	C	0.517	0.021	0.005	5.30E-14	0.000	0.017	5.33E-01
rs61676547	17	65892507	C	G	0.192	0.025	0.008	2.90E-11	0.022	0.021	1.95E-01
rs62007683	14	103894071	G	T	0.653	0.017	0.008	3.10E-08	-0.022	0.023	6.33E-01
rs62080313	18	36278709	C	T	0.123	0.025	0.010	1.00E-08	-0.016	0.025	1.29E-01
rs62271373	3	150066540	A	T	0.055	0.037	0.015	1.00E-09	-0.021	0.052	5.20E-02
rs6458354	6	43814190	C	T	0.289	0.021	0.008	2.10E-12	-0.004	0.019	2.90E-01
rs6459733	7	156930550	G	C	0.673	0.025	0.005	2.40E-17	-0.011	0.019	6.67E-01
rs6518681	22	30609554	G	A	0.914	0.037	0.013	1.10E-12	0.016	0.031	9.22E-01
rs67232546	11	128398938	T	C	0.207	0.025	0.008	1.30E-11	0.015	0.022	2.01E-01
rs6780171	3	185503456	A	T	0.314	0.057	0.010	9.00E-56	0.005	0.018	3.08E-01
rs6821438	4	95091911	A	G	0.534	0.017	0.008	4.00E-11	0.020	0.017	5.32E-01
rs6976111	7	117495667	A	C	0.313	0.017	0.008	1.20E-08	0.022	0.018	3.21E-01
rs7022807	9	19067833	G	A	0.401	0.017	0.005	2.70E-10	-0.018	0.017	3.88E-01
rs702634	5	53271420	A	G	0.690	0.021	0.008	7.70E-14	-0.005	0.018	6.96E-01
rs703972	10	80952826	G	C	0.533	0.029	0.008	1.70E-29	0.019	0.017	5.38E-01
rs71372253	17	29413019	C	T	0.064	0.033	0.013	4.40E-08	-0.091	0.047	6.20E-02
rs7178762	15	63871292	C	T	0.460	0.017	0.005	5.40E-10	-0.013	0.018	4.64E-01
rs7222481	17	9785187	C	G	0.324	0.017	0.005	1.40E-08	0.002	0.025	2.97E-01
rs72802342	16	75234872	C	A	0.923	0.068	0.015	4.00E-32	0.051	0.044	9.25E-01
rs72926932	18	53050646	C	A	0.084	0.037	0.013	1.00E-14	0.000	0.031	8.20E-02
rs738408	22	44324730	T	C	0.226	0.021	0.010	1.40E-10	0.048	0.021	2.23E-01
rs7629630	3	168218841	A	T	0.857	0.021	0.010	2.50E-08	0.015	0.033	8.59E-01
rs7669833	4	153513369	T	A	0.705	0.025	0.008	1.20E-14	-0.013	0.025	7.13E-01
rs7719891	5	86577352	G	A	0.259	0.017	0.008	2.40E-08	0.024	0.020	2.66E-01
rs77464186	11	72460398	A	C	0.836	0.045	0.010	4.70E-33	0.003	0.024	8.40E-01
rs7756992	6	20679709	G	A	0.274	0.061	0.010	2.40E-88	0.021	0.019	2.80E-01
rs77864822	12	97848775	A	G	0.932	0.033	0.015	1.10E-08	-0.029	0.035	9.31E-01
rs7987740	13	109947213	T	C	0.609	0.017	0.008	4.00E-08	0.011	0.018	6.06E-01
rs8010382	14	91963722	G	A	0.421	0.017	0.005	6.50E-09	0.032	0.018	4.20E-01
rs80147536	2	43698028	A	T	0.904	0.053	0.013	2.70E-29	0.021	0.029	9.08E-01
rs8037894	15	62394264	G	C	0.566	0.021	0.008	2.60E-13	0.020	0.018	5.62E-01
rs8107974	19	19388500	T	A	0.077	0.041	0.013	3.30E-15	0.007	0.031	7.80E-02
rs878521	7	44255643	A	G	0.245	0.025	0.008	1.90E-13	-0.027	0.027	2.49E-01
rs9430095	1	206593900	C	G	0.494	0.017	0.008	1.90E-08	-0.019	0.023	4.95E-01
rs9494624	6	137300960	A	G	0.290	0.017	0.008	6.10E-09	0.010	0.026	2.90E-01
rs9563615	13	59077406	A	T	0.710	0.021	0.008	6.40E-11	0.011	0.019	7.13E-01
rs9687832	5	55861595	A	G	0.198	0.033	0.010	1.70E-20	-0.023	0.022	1.98E-01
rs9860730	3	64701146	A	G	0.704	0.025	0.008	4.90E-15	0.029	0.019	6.99E-01
rs9873618	3	170733076	G	A	0.710	0.029	0.008	4.80E-21	0.000	0.025	7.07E-01
rs9957145	18	56876228	G	A	0.829	0.021	0.010	8.10E-09	0.015	0.023	8.40E-01

Data source: http://diagram-consortium.org/

SNP: Single Nucleotide Polymorphism
Chr: Chromosome
Pos: Position
EAF: Effect Allele Frequency
SE: Standard Error