

Supplementary Table S2: Association between ten GWAS-identified SNPs and breast cancer risk, stratified by environmental risk factors, in Hispanic women from the Breast Cancer Health Disparities Study

Variable	Category	SNPs	OR*	95%CI	P value	P interaction
Menopause N Premenopausal=1863 N Postmenopausal= 2709	Premenopausal	rs13387042	1.23	1.07-1.41	0.004	
	Postmenopausal	rs13387042	1.20	1.07-1.35	0.002	0.844
	Premenopausal	rs17157903	1.05	0.80-1.36	0.722	
	Postmenopausal	rs17157903	0.86	0.70-1.05	0.143	0.250
	Premenopausal	rs7696175	1.16	1.01-1.33	0.029	
	Postmenopausal	rs7696175	1.15	1.02-1.28	0.015	0.925
	Premenopausal	rs2067980	0.86	0.72-1.02	0.092	
	Postmenopausal	rs2067980	1.06	0.91-1.23	0.409	0.087
	Premenopausal	rs2180341	0.95	0.81-1.11	0.544	
	Postmenopausal	rs2180341	1.00	0.88-1.14	0.940	0.667
	Premenopausal	rs2981582	1.17	1.02-1.33	0.019	
	Postmenopausal	rs2981582	1.26	1.12-1.40	<0.001	0.414
	Premenopausal	rs3803662	1.09	0.95-1.23	0.210	
	Postmenopausal	rs3803662	1.18	1.05-1.31	0.003	0.366
	Premenopausal	rs3817198	1.05	0.88-1.23	0.590	
	Postmenopausal	rs3817198	1.07	0.93-1.22	0.318	0.848
	Premenopausal	rs889312	0.98	0.86-1.11	0.753	
	Postmenopausal	rs889312	1.10	0.98-1.22	0.096	0.211
	Premenopausal	rs999737	1.04	0.87-1.23	0.671	
	Postmenopausal	rs999737	1.03	0.89-1.19	0.660	0.887
Family History of breast cancer N no family history= 4144 N family history= 460	No	rs13387042	1.23	1.11-1.34	<0.001	
	Yes	rs13387042	1.00	0.76-1.31	0.986	0.133
	No	rs17157903	0.91	0.77-1.07	0.286	
	Yes	rs17157903	0.90	0.57-1.40	0.634	0.879
	No	rs7696175	1.16	1.06-1.27	0.001	
	Yes	rs7696175	1.13	0.85-1.48	0.397	0.741
	No	rs2067980	0.98	0.87-1.10	0.740	
	Yes	rs2067980	0.91	0.63-1.29	0.586	0.686
	No	rs2180341	0.99	0.89-1.09	0.827	
	Yes	rs2180341	1.00	0.73-1.36	0.982	0.980
	No	rs2981582	1.25	1.14-1.36	<0.001	
	Yes	rs2981582	0.99	0.75-1.30	0.971	0.104
	No	rs3803662	1.17	1.07-1.28	0.001	
	Yes	rs3803662	1.04	0.81-1.33	0.742	0.368
	No	rs3817198	1.05	0.94-1.17	0.347	
	Yes	rs3817198	0.88	0.64-1.20	0.433	0.284
	No	rs889312	1.04	0.95-1.13	0.392	
	Yes	rs889312	1.23	0.92-1.62	0.148	0.230
	No	rs999737	1.04	0.92-1.16	0.551	
	Yes	rs999737	1.23	0.86-1.74	0.240	0.365
Parity/Age at first full term pregnancy N no children= 410 N 1-2 children/<25 years of age= 752 N 1-2 children/>25 years of age= 812 N ≥3 children/<25 years of age= 2235 N ≥3 children/>25 years of age= 466	No children	rs13387042	1.43	1.04-1.95	0.025	
	1-2 children/<25 year	rs13387042	1.03	0.82-1.28	0.806	0.171
	1-2 children/>25 year	rs13387042	1.14	0.92-1.40	0.229	0.237
	≥3 children/<25 years	rs13387042	1.26	1.10-1.43	<0.001	0.486
	≥3 children/>25 years	rs13387042	1.26	0.94-1.69	0.116	0.842
	No children	rs17157903	1.19	0.68-2.05	0.541	
	1-2 children/<25 year	rs17157903	0.76	0.51-1.12	0.173	0.354
	1-2 children/>25 year	rs17157903	1.03	0.72-1.46	0.883	0.748
	≥3 children/<25 years	rs17157903	0.94	0.74-1.19	0.624	0.533
	≥3 children/>25 years	rs17157903	0.68	0.41-1.10	0.122	0.151
	No children	rs7696175	1.23	0.91-1.64	0.171	
	1-2 children/<25 year	rs7696175	1.17	0.94-1.43	0.155	0.695
	1-2 children/>25 year	rs7696175	1.26	1.02-1.54	0.031	0.983
	≥3 children/<25 years	rs7696175	1.08	0.95-1.22	0.202	0.395
	≥3 children/>25 years	rs7696175	1.32	1.00-1.74	0.049	0.796
	No children	rs2067980	1.05	0.70-1.56	0.798	
	1-2 children/<25 year	rs2067980	0.82	0.61-1.07	0.155	0.235
	1-2 children/>25 year	rs2067980	0.82	0.62-1.08	0.167	0.271
	≥3 children/<25 years	rs2067980	1.10	0.93-1.29	0.243	0.854
	≥3 children/>25 years	rs2067980	0.98	0.68-1.39	0.890	0.646
	No children	rs2180341	0.98	0.70-1.36	0.896	
	1-2 children/<25 year	rs2180341	1.03	0.80-1.30	0.819	0.744
	1-2 children/>25 year	rs2180341	0.85	0.66-1.07	0.170	0.397
	≥3 children/<25 years	rs2180341	1.02	0.88-1.17	0.744	0.855
	≥3 children/>25 years	rs2180341	0.78	0.55-1.07	0.127	0.285
	No children	rs2981582	1.38	1.03-1.82	0.027	
	1-2 children/<25 year	rs2981582	1.24	1.00-1.52	0.040	0.757

	1-2 children/>25 year rs2981582	1.48	1.20-1.81	<0.001	0.474
	≥3 children/<25 years rs2981582	1.20	1.05-1.35	0.004	0.623
	≥3 children/>25 years rs2981582	0.93	0.71-1.20	0.573	0.110
	No children rs3803662	1.37	1.02-1.84	0.036	
	1-2 children/<25 year rs3803662	1.27	1.03-1.56	0.023	0.808
	1-2 children/>25 year rs3803662	1.15	0.93-1.41	0.175	0.452
	≥3 children/<25 years rs3803662	1.06	0.94-1.20	0.312	0.218
	≥3 children/>25 years rs3803662	1.24	0.93-1.62	0.133	0.635
	No children rs3817198	0.93	0.66-1.30	0.663	
	1-2 children/<25 year rs3817198	1.15	0.89-1.48	0.267	0.205
	1-2 children/>25 year rs3817198	0.88	0.68-1.12	0.297	0.962
	≥3 children/<25 years rs3817198	1.09	0.93-1.27	0.265	0.274
	≥3 children/>25 years rs3817198	1.20	0.86-1.66	0.282	0.176
	No children rs889312	0.99	0.75-1.30	0.941	
	1-2 children/<25 year rs889312	1.04	0.84-1.27	0.725	0.954
	1-2 children/>25 year rs889312	0.90	0.74-1.10	0.320	0.541
	≥3 children/<25 years rs889312	1.05	0.93-1.18	0.414	0.766
	≥3 children/>25 years rs889312	1.34	1.01-1.76	0.042	0.252
	No children rs999737	1.17	0.79-1.72	0.417	
	1-2 children/<25 year rs999737	0.83	0.63-1.08	0.181	0.182
	1-2 children/>25 year rs999737	0.87	0.67-1.13	0.309	0.234
	≥3 children/<25 years rs999737	1.07	0.90-1.26	0.403	0.706
	≥3 children/>25 years rs999737	1.42	1.01-1.99	0.043	0.443
Months breastfeeding	No breastfeeding rs13387042	1.10	0.92-1.31	0.291	
N no breastfeeding= 1081	≤12 months rs13387042	1.13	0.98-1.29	0.088	0.827
N ≤12 months= 2037	>12 months rs13387042	1.39	1.15-1.66	<0.001	0.074
N >12 months= 1177	No breastfeeding rs17157903	0.90	0.66-1.21	0.498	
	≤12 months rs17157903	0.96	0.75-1.21	0.721	0.762
	>12 months rs17157903	0.76	0.54-1.04	0.095	0.489
	No breastfeeding rs7696175	1.15	0.96-1.36	0.118	
	≤12 months rs7696175	1.14	1.00-1.29	0.046	0.946
	>12 months rs7696175	1.13	0.94-1.35	0.176	0.900
	No breastfeeding rs2067980	1.01	0.79-1.28	0.957	
	≤12 months rs2067980	0.89	0.75-1.04	0.153	0.413
	>12 months rs2067980	1.12	0.88-1.39	0.342	0.526
	No breastfeeding rs2180341	0.89	0.72-1.08	0.235	
	≤12 months rs2180341	0.95	0.82-1.10	0.498	0.550
	>12 months rs2180341	1.09	0.88-1.34	0.393	0.123
	No breastfeeding rs2981582	1.23	1.03-1.46	0.018	
	≤12 months rs2981582	1.26	1.11-1.42	<0.001	0.835
	>12 months rs2981582	1.10	0.92-1.31	0.273	0.372
	No breastfeeding rs3803662	1.14	0.95-1.35	0.137	
	≤12 months rs3803662	1.15	1.01-1.30	0.028	0.966
	>12 months rs3803662	1.07	0.90-1.26	0.423	0.600
	No breastfeeding rs3817198	1.03	0.83-1.27	0.758	
	≤12 months rs3817198	1.06	0.90-1.24	0.437	0.773
	>12 months rs3817198	1.13	0.90-1.39	0.278	0.526
	No breastfeeding rs889312	0.98	0.82-1.16	0.830	
	≤12 months rs889312	1.06	0.93-1.20	0.329	0.509
	>12 months rs889312	1.10	0.92-1.31	0.278	0.359
	No breastfeeding rs999737	0.77	0.61-0.96	0.022	
	≤12 months rs999737	1.13	0.95-1.33	0.144	0.007
	>12 months rs999737	1.16	0.91-1.45	0.222	0.011
Age at menopause	<50 Years old rs13387042	1.27	1.10-1.46	0.001	
N <50= 1673	≥50 Years old rs13387042	1.37	1.12-1.68	0.002	0.537
N ≥50= 861	<50 Years old rs17157903	0.99	0.76-1.28	0.953	
	≥50 Years old rs17157903	0.93	0.66-1.29	0.660	0.811
	<50 Years old rs7696175	1.19	1.03-1.37	0.016	
	≥50 Years old rs7696175	1.02	0.83-1.23	0.879	0.140
	<50 Years old rs2067980	1.12	0.92-1.35	0.263	
	≥50 Years old rs2067980	0.89	0.69-1.14	0.368	0.143
	<50 Years old rs2180341	0.98	0.83-1.15	0.815	
	≥50 Years old rs2180341	1.04	0.82-1.31	0.726	0.677
	<50 Years old rs2981582	1.34	1.16-1.54	<0.001	
	≥50 Years old rs2981582	1.16	0.94-1.40	0.148	0.202
	<50 Years old rs3803662	1.10	0.95-1.26	0.197	
	≥50 Years old rs3803662	1.24	1.01-1.50	0.034	0.273
	<50 Years old rs3817198	1.07	0.90-1.27	0.415	
	≥50 Years old rs3817198	1.20	0.95-1.51	0.124	0.392
	<50 Years old rs889312	1.02	0.88-1.17	0.769	

	≥50 Years old	rs889312	1.08	0.89-1.31	0.419	0.511
	<50 Years old	rs999737	1.03	0.85-1.23	0.780	
	≥50 Years old	rs999737	1.14	0.88-1.46	0.307	0.480
Body mass index (kg/m2)	<25	rs13387042	1.18	0.97-1.43	0.094	
N <25= 945	25-29	rs13387042	1.19	1.03-1.38	0.017	0.948
N 25-29.9= 1719	>30	rs13387042	1.23	1.07-1.40	0.003	0.600
N >30= 2004	<25	rs17157903	1.01	0.72-1.40	0.950	
	25-29	rs17157903	0.97	0.75-1.25	0.808	0.824
	>30	rs17157903	0.80	0.62-1.02	0.078	0.355
	<25	rs7696175	1.17	0.97-1.41	0.095	
	25-29	rs7696175	1.16	1.00-1.33	0.036	0.977
	>30	rs7696175	1.12	0.98-1.28	0.080	0.717
	<25	rs2067980	0.83	0.65-1.06	0.137	
	25-29	rs2067980	0.96	0.79-1.14	0.630	0.358
	>30	rs2067980	1.05	0.88-1.24	0.609	0.123
	<25	rs2180341	0.82	0.66-1.02	0.080	
	25-29	rs2180341	1.08	0.92-1.26	0.346	0.047
	>30	rs2180341	0.96	0.82-1.11	0.621	0.209
	<25	rs2981582	1.08	0.90-1.28	0.409	
	25-29	rs2981582	1.33	1.15-1.53	<0.001	0.055
	>30	rs2981582	1.22	1.07-1.38	0.002	0.223
	<25	rs3803662	1.05	0.87-1.26	0.601	
	25-29	rs3803662	1.09	0.94-1.24	0.231	0.767
	>30	rs3803662	1.27	1.11-1.43	<0.001	0.115
	<25	rs3817198	1.03	0.82-1.29	0.772	
	25-29	rs3817198	0.92	0.77-1.09	0.333	0.371
	>30	rs3817198	1.18	1.00-1.37	0.038	0.321
	<25	rs889312	0.95	0.78-1.13	0.562	
	25-29	rs889312	1.10	0.96-1.25	0.160	0.178
	>30	rs889312	1.05	0.92-1.19	0.442	0.395
	<25	rs999737	1.18	0.92-1.50	0.173	
	25-29	rs999737	0.92	0.76-1.09	0.351	0.107
	>30	rs999737	1.04	0.87-1.24	0.637	0.465
Height	Below mean	rs13387042	1.27	1.11-1.43	<0.001	
Below mean= 2382	Above mean	rs13387042	1.14	1.00-1.28	0.035	0.172
Above mean= 2255	Below mean	rs17157903	0.99	0.78-1.23	0.912	
	Above mean	rs17157903	0.84	0.67-1.03	0.107	0.231
	Below mean	rs7696175	1.21	1.07-1.36	0.002	
	Above mean	rs7696175	1.07	0.95-1.21	0.250	0.171
	Below mean	rs2067980	0.99	0.85-1.16	0.940	
	Above mean	rs2067980	0.92	0.78-1.08	0.317	0.553
	Below mean	rs2180341	1.02	0.89-1.17	0.762	
	Above mean	rs2180341	0.93	0.80-1.06	0.278	0.296
	Below mean	rs2981582	1.28	1.14-1.44	<0.001	
	Above mean	rs2981582	1.17	1.04-1.31	0.008	0.275
	Below mean	rs3803662	1.13	1.00-1.26	0.050	
	Above mean	rs3803662	1.15	1.02-1.29	0.020	0.706
	Below mean	rs3817198	1.06	0.91-1.23	0.445	
	Above mean	rs3817198	1.04	0.90-1.20	0.579	0.714
	Below mean	rs889312	1.00	0.89-1.12	0.943	
	Above mean	rs889312	1.10	0.97-1.23	0.112	0.233
	Below mean	rs999737	1.03	0.88-1.20	0.709	
	Above mean	rs999737	1.05	0.90-1.23	0.511	0.926
Waist to hip ratio	Below mean	rs13387042	1.21	1.07-1.36	0.002	
Below mean= 2349	Above mean	rs13387042	1.19	1.04-1.35	0.010	0.763
Above mean= 2242	Below mean	rs17157903	0.89	0.72-1.10	0.293	
	Above mean	rs17157903	0.90	0.71-1.14	0.398	0.678
	Below mean	rs7696175	1.13	1.00-1.27	0.041	
	Above mean	rs7696175	1.17	1.02-1.32	0.016	0.775
	Below mean	rs2067980	0.92	0.78-1.07	0.284	
	Above mean	rs2067980	1.00	0.85-1.17	0.977	0.426
	Below mean	rs2180341	0.93	0.80-1.06	0.285	
	Above mean	rs2180341	1.01	0.87-1.16	0.876	0.315
	Below mean	rs2981582	1.35	1.19-1.51	<0.001	
	Above mean	rs2981582	1.09	0.96-1.23	0.150	0.016
	Below mean	rs3803662	1.09	0.96-1.22	0.148	
	Above mean	rs3803662	1.19	1.05-1.33	0.005	0.437
	Below mean	rs3817198	1.07	0.92-1.23	0.370	
	Above mean	rs3817198	1.04	0.89-1.21	0.579	0.935
	Below mean	rs889312	1.05	0.93-1.18	0.375	

	Above mean	rs889312	1.05	0.93-1.18	0.407	0.786
	Below mean	rs999737	1.04	0.88-1.21	0.634	
	Above mean	rs999737	1.03	0.88-1.21	0.679	0.901
Smoking	No	rs13387042	1.22	1.09-1.36	0.001	
N never= 2924	Yes	rs13387042	1.21	1.01-1.43	0.031	0.870
N ever= 1196	No	rs17157903	0.97	0.79-1.19	0.801	
	Yes	rs17157903	0.88	0.64-1.18	0.387	0.586
	No	rs7696175	1.24	1.11-1.37	<0.001	
	Yes	rs7696175	1.03	0.86-1.22	0.708	0.072
	No	rs2067980	0.93	0.80-1.07	0.315	
	Yes	rs2067980	1.02	0.81-1.28	0.840	0.457
	No	rs2180341	0.94	0.83-1.06	0.366	
	Yes	rs2180341	0.96	0.79-1.15	0.661	0.978
	No	rs2981582	1.25	1.12-1.39	<0.001	
	Yes	rs2981582	1.21	1.03-1.43	0.020	0.706
	No	rs3803662	1.09	0.98-1.21	0.101	
	Yes	rs3803662	1.17	0.98-1.37	0.068	0.580
	No	rs3817198	1.03	0.90-1.18	0.620	
	Yes	rs3817198	1.20	0.97-1.46	0.082	0.245
	No	rs889312	1.04	0.93-1.15	0.465	
	Yes	rs889312	0.98	0.83-1.15	0.829	0.510
	No	rs999737	1.08	0.94-1.24	0.260	
	Yes	rs999737	0.91	0.73-1.12	0.374	0.195
Alcohol intake	Never	rs13387042	1.20	1.04-1.36	0.009	
N never= 1869	<10gms/day	rs13387042	1.12	0.90-1.37	0.287	0.572
N <10gms/day= 782	>10gms/day	rs13387042	1.41	0.96-2.06	0.072	0.414
N >10gms/day= 247	Never	rs17157903	0.86	0.68-1.08	0.207	
	<10gms/day	rs17157903	0.88	0.62-1.24	0.481	0.942
	>10gms/day	rs17157903	1.03	0.54-1.97	0.919	0.995
	Never	rs7696175	1.07	0.93-1.22	0.348	
	<10gms/day	rs7696175	0.98	0.79-1.21	0.878	0.544
	>10gms/day	rs7696175	1.13	0.77-1.63	0.537	0.968
	Never	rs2067980	0.96	0.80-1.14	0.645	
	<10gms/day	rs2067980	1.05	0.78-1.40	0.765	0.618
	>10gms/day	rs2067980	0.94	0.54-1.63	0.826	0.525
	Never	rs2180341	1.01	0.86-1.17	0.905	
	<10gms/day	rs2180341	0.93	0.74-1.16	0.529	0.521
	>10gms/day	rs2180341	0.79	0.53-1.19	0.265	0.192
	Never	rs2981582	1.24	1.09-1.42	0.001	
	<10gms/day	rs2981582	1.15	0.93-1.41	0.173	0.569
	>10gms/day	rs2981582	1.82	1.24-2.65	0.002	0.065
	Never	rs3803662	1.20	1.05-1.36	0.006	
	<10gms/day	rs3803662	1.09	0.88-1.34	0.393	0.482
	>10gms/day	rs3803662	1.72	1.15-2.56	0.008	0.071
	Never	rs3817198	1.06	0.90-1.23	0.457	
	<10gms/day	rs3817198	1.07	0.84-1.36	0.558	0.948
	>10gms/day	rs3817198	1.25	0.77-2.03	0.359	0.800
	Never	rs889312	1.07	0.93-1.21	0.327	
	<10gms/day	rs889312	1.03	0.84-1.25	0.762	0.775
	>10gms/day	rs889312	1.28	0.86-1.87	0.212	0.474
	Never	rs999737	1.00	0.84-1.19	0.996	
	<10gms/day	rs999737	0.85	0.65-1.09	0.212	0.278
	>10gms/day	rs999737	1.11	0.66-1.85	0.696	0.811
Postmenop. Hormone Therapy	Current	rs13387042	0.93	0.72-1.18	0.548	
N current= 575	Former	rs13387042	1.11	0.86-1.43	0.399	0.397
N former= 592	Never	rs13387042	1.41	1.19-1.65	<0.001	0.002
N never= 1521	Current	rs17157903	0.75	0.49-1.13	0.174	
	Former	rs17157903	0.80	0.52-1.21	0.297	0.678
	Never	rs17157903	0.90	0.67-1.18	0.451	0.358
	Current	rs7696175	1.02	0.79-1.30	0.867	
	Former	rs7696175	1.14	0.88-1.47	0.313	0.330
	Never	rs7696175	1.20	1.03-1.39	0.017	0.222
	Current	rs2067980	1.04	0.73-1.46	0.826	
	Former	rs2067980	1.41	1.00-1.98	0.046	0.188
	Never	rs2067980	0.97	0.79-1.17	0.745	0.652
	Current	rs2180341	1.08	0.82-1.42	0.568	
	Former	rs2180341	0.89	0.66-1.17	0.399	0.375
	Never	rs2180341	1.00	0.83-1.19	0.985	0.868
	Current	rs2981582	1.32	1.02-1.69	0.032	
	Former	rs2981582	1.36	1.05-1.74	0.017	0.772

Never	rs2981582	1.24	1.06-1.43	0.005	0.723
Current	rs3803662	1.07	0.82-1.38	0.604	
Former	rs3803662	1.22	0.95-1.56	0.111	0.739
Never	rs3803662	1.23	1.05-1.42	0.007	0.599
Current	rs3817198	0.93	0.69-1.24	0.626	
Former	rs3817198	0.92	0.67-1.25	0.587	0.734
Never	rs3817198	1.21	1.00-1.45	0.044	0.080
Current	rs889312	1.11	0.86-1.41	0.423	
Former	rs889312	1.05	0.81-1.34	0.696	0.976
Never	rs889312	1.11	0.95-1.28	0.168	0.901
Current	rs999737	1.05	0.76-1.44	0.764	
Former	rs999737	1.13	0.82-1.54	0.451	0.554
Never	rs999737	1.04	0.85-1.26	0.728	0.728

Age at menarche	<11	rs13387042	1.12	0.93-1.33	0.231	
N <11= 1056	11 to 13	rs13387042	1.27	1.11-1.44	<0.001	0.323
N 11 to 13= 2200	>13	rs13387042	1.17	0.99-1.37	0.057	0.646
N >13= 1412	<11	rs17157903	0.91	0.66-1.23	0.533	
	11 to 13	rs17157903	0.93	0.73-1.16	0.524	0.958
	>13	rs17157903	0.90	0.67-1.18	0.443	0.972
	<11	rs7696175	1.02	0.85-1.21	0.861	
	11 to 13	rs7696175	1.16	1.02-1.31	0.016	0.223
	>13	rs7696175	1.22	1.04-1.43	0.015	0.139
	<11	rs2067980	0.88	0.69-1.11	0.285	
	11 to 13	rs2067980	1.03	0.87-1.20	0.743	0.295
	>13	rs2067980	0.90	0.72-1.10	0.303	0.950
	<11	rs2180341	1.07	0.87-1.30	0.533	
	11 to 13	rs2180341	0.91	0.79-1.04	0.191	0.200
	>13	rs2180341	1.02	0.85-1.22	0.799	0.791
	<11	rs2981582	1.40	1.17-1.66	<0.001	
	11 to 13	rs2981582	1.16	1.03-1.31	0.014	0.092
	>13	rs2981582	1.21	1.04-1.41	0.013	0.249
	<11	rs3803662	1.34	1.12-1.59	0.001	
	11 to 13	rs3803662	1.07	0.94-1.21	0.259	0.052
	>13	rs3803662	1.12	0.96-1.29	0.150	0.127
	<11	rs3817198	1.10	0.89-1.34	0.377	
	11 to 13	rs3817198	1.12	0.95-1.29	0.153	0.910
	>13	rs3817198	0.91	0.74-1.10	0.333	0.217
	<11	rs889312	1.12	0.94-1.33	0.186	
	11 to 13	rs889312	1.04	0.91-1.16	0.554	0.481
	>13	rs889312	1.02	0.88-1.19	0.760	0.432
	<11	rs999737	1.15	0.91-1.44	0.234	
	11 to 13	rs999737	0.99	0.83-1.16	0.862	0.271
	>13	rs999737	1.03	0.84-1.25	0.784	0.511

Age at breast cancer diagnosis	<40	rs13387042	1.01	0.79-1.29	0.917	
N <40= 638	40-50	rs13387042	1.23	1.05-1.42	0.009	0.270
N 40-50= 1583	50-60	rs13387042	1.27	1.08-1.49	0.004	0.146
N 50-60= 1345	>60	rs13387042	1.18	0.99-1.40	0.062	0.383
N >60= 1167	<40	rs17157903	0.89	0.56-1.41	0.629	
	40-50	rs17157903	1.00	0.75-1.31	0.987	0.653
	50-60	rs17157903	0.96	0.72-1.27	0.782	0.686
	>60	rs17157903	0.74	0.54-0.99	0.049	0.531
	<40	rs7696175	1.11	0.87-1.39	0.389	
	40-50	rs7696175	1.17	1.00-1.35	0.036	0.634
	50-60	rs7696175	1.24	1.06-1.45	0.007	0.356
	>60	rs7696175	1.06	0.89-1.25	0.505	0.841
	<40	rs2067980	0.78	0.56-1.07	0.128	
	40-50	rs2067980	0.92	0.75-1.10	0.356	0.445
	50-60	rs2067980	0.92	0.73-1.13	0.427	0.482
	>60	rs2067980	1.25	1.01-1.55	0.039	0.026
	<40	rs2180341	0.88	0.66-1.15	0.355	
	40-50	rs2180341	0.96	0.81-1.13	0.635	0.525
	50-60	rs2180341	1.09	0.90-1.30	0.372	0.183
	>60	rs2180341	0.95	0.78-1.15	0.607	0.728
	<40	rs2981582	1.29	1.02-1.61	0.029	
	40-50	rs2981582	1.19	1.03-1.37	0.016	0.563
	50-60	rs2981582	1.23	1.05-1.43	0.010	0.733
	>60	rs2981582	1.18	1.00-1.40	0.047	0.595
	<40	rs3803662	1.25	1.00-1.56	0.048	
	40-50	rs3803662	1.01	0.87-1.16	0.897	0.095
	50-60	rs3803662	1.15	0.98-1.34	0.080	0.463

>60	rs3803662	1.29	1.08-1.53	0.003	0.891	
<40	rs3817198	0.96	0.70-1.29	0.775		
40-50	rs3817198	1.09	0.91-1.29	0.352	0.507	
50-60	rs3817198	1.03	0.85-1.24	0.768	0.670	
>60	rs3817198	1.08	0.88-1.33	0.449	0.591	
<40	rs889312	1.04	0.83-1.29	0.712		
40-50	rs889312	0.95	0.82-1.09	0.509	0.459	
50-60	rs889312	1.23	1.05-1.43	0.009	0.297	
>60	rs889312	0.98	0.82-1.16	0.832	0.632	
<40	rs999737	1.26	0.92-1.73	0.144		
40-50	rs999737	0.88	0.72-1.06	0.178	0.047	
50-60	rs999737	0.97	0.79-1.19	0.806	0.161	
>60	rs999737	1.24	0.99-1.53	0.054	0.813	
Oral contraceptive use	No	rs13387042	1.21	1.05-1.37	0.006	
N never= 2077	Yes	rs13387042	1.21	1.07-1.36	0.002	0.835
N ever= 2598	No	rs17157903	0.90	0.71-1.14	0.404	
	Yes	rs17157903	0.92	0.74-1.12	0.426	0.866
	No	rs7696175	1.16	1.02-1.32	0.024	
	Yes	rs7696175	1.13	1.01-1.26	0.030	0.782
	No	rs2067980	1.02	0.86-1.20	0.791	
	Yes	rs2067980	0.91	0.78-1.05	0.226	0.304
	No	rs2180341	1.07	0.92-1.23	0.375	
	Yes	rs2180341	0.90	0.78-1.02	0.103	0.090
	No	rs2981582	1.11	0.98-1.26	0.089	
	Yes	rs2981582	1.30	1.16-1.45	<0.001	0.068
	No	rs3803662	1.17	1.03-1.32	0.012	
	Yes	rs3803662	1.12	1.00-1.25	0.043	0.591
	No	rs3817198	1.02	0.87-1.19	0.804	
	Yes	rs3817198	1.07	0.93-1.21	0.360	0.627
	No	rs889312	1.07	0.94-1.21	0.275	
	Yes	rs889312	1.04	0.92-1.15	0.527	0.673
	No	rs999737	1.11	0.94-1.31	0.203	
	Yes	rs999737	0.98	0.84-1.13	0.819	0.278

*All regressions were adjusted for genetic ancestry, age and Study. Analyses for the 3 SNPs that had previously shown interaction by ancestry are highlighted in gray