Supplemental Table 1 Individual SNP and cognitive function robust regression results

Regression coefficient, p-value	Attention	Concentration	Executive Function	Mental Flexibility	Psychomotor Speed	Verbal Memory	Visual Memory	Visual Working Memory
AURKArs1047972	n=218	n=218	n=219	n=219	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	<0.001, 0.998	-0.148, 0.241	0.080, 0.389	0.017, 0.867	0.149, 0.153	0.263, 0.806	0.021, 0.735	0.116, 0.263
Interaction Model								
SNP Main Effect	0.125, 0.579	-0.488, 0.016*	0.148, 0.353	0.161, 0.362	0.063, 0.716	-0.092, 0.601	0.152, 0.149	0.054, 0.762
SNP-by-CA Inter	-0.176, 0.617	0.569, 0.073	-0.073, 0.766	-0.407, 0.138	-0.075, 0.781	0.287, 0.292	-0.177, 0.275	0.119, 0.664
SNP-by-AO Inter	-0.205, 0.504	0.513, 0.063	-0.111, 0.609	-0.066, 0.784	0.298, 0.213	0.103, 0.669	-0.212, 0.140	0.067, 0.783
AURKArs16979877	n=206	n=206	n=207	n=206	n=207	n=207	n=207	n=207
Main Effects Model								
SNP Main Effect	-0.211, 0.238	0.125, 0.432	-0.147, 0.233	-0.094, 0.497	-0.199, 0.161	-0.138, 0.318	-0.157, 0.062	-0.135, 0.330
Interaction Model								
SNP Main Effect	-0.274, 0.391	0.180, 0.533	-0.234, 0.302	0.085, 0.735	0.035, 0.893	-0.540, 0.029*	-0.291, 0.056	-0.350, 0.166
SNP-by-CA Inter	0.295, 0.626	0.076, 0.879	-0.061, 0.875	-0.446, 0.305	-0.457, 0.305	0.577, 0.174	0.259, 0.322	0.496, 0.253
SNP-by-AO Inter	0.042, 0.916	-0.108, 0.763	0.176, 0.532	-0.184, 0.557	-0.354, 0.271	0.548, 0.074	0.152, 0.422	0.238, 0.447
AURKArs2273535	n=212	n=213	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	0.040, 0.748	-0.063, 0.566	0.038, 0.663	-0.136, 0.160	-0.021, 0.834	0.186, 0.052	-0.064, 0.273	0.009, 0.926
Interaction Model								
SNP Main Effect	-0.078, 0.698	-0.027, 0.877	0.193, 0.164	-0.200, 0.198	-0.010, 0.949	0.297, 0.051	-0.082, 0.397	0.183, 0.241
SNP-by-CA Inter	0.198, 0.545	-0.104, 0.715	-0.146, 0.520	0.218, 0.387	0.282, 0.267	-0.031, 0.899	0.147, 0.354	-0.008, 0.975
SNP-by-AO Inter	0.186, 0.517	-0.019, 0.939	-0.306, 0.131	0.011, 0.961	-0.246, 0.271	-0.275, 0.208	-0.159, 0.254	-0.477, 0.034*
AURKArs6064389	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	0.027, 0.839	0.067, 0.572	0.089, 0.341	0.054, 0.608	0.011, 0.915	-0.051, 0.623	-0.031, 0.610	0.178, 0.088
Interaction Model								
SNP Main Effect	-0.065, 0.769	0.119, 0.540	0.035, 0.819	-0.044, 0.797	-0.080, 0.637	-0.208, 0.220	0.050, 0.627	0.060, 0.724
SNP-by-CA Inter	0.557, 0.189	-0.292, 0.414	0.202, 0.474	0.176, 0.578	0.562, 0.072	0.665, 0.831	-0.151, 0.426	-0.022, 0.945
SNP-by-AO Inter	0.080, 0.788	-0.005, 0.986	0.046, 0.823	0.140, 0.548	-0.004, 0.986	0.303, 0.186	-0.106, 0.448	0.267, 0.248
BAG1rs706118	n=213	n=213	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	-0.101, 0.408	-0.109, 0.314	-0.123, 0.145	0.045, 0.624	-0.016, 0.870	-0.154, 0.103	-0.107, 0.067	-0.310, 0.001*
Interaction Model								
SNP Main Effect	0.061, 0.763	0.069, 0.706	-0.312, 0.027*	0.125, 0.441	0.006, 0.971	-0.127, 0.421	-0.216, 0.025*	-0.450, 0.004*
SNP-by-CA Inter	-0.549, 0.092	-0.270, 0.355	0.263, 0.239	-0.213, 0.406	-0.324, 0.209	-0.109, 0.664	0.112, 0.465	0.099, 0.684
SNP-by-AO Inter	-0.064, 0.825	-0.288, 0.268	0.321, 0.108	-0.064, 0.781	0.174, 0.450	0.006, 0.980	0.219, 0.110	0.299, 0.170
BCL2rs1564483	n=206	n=207	n=207	n=206	n=207	n=207	n=207	n=207
Main Effects Model								
SNP Main Effect	0.246, 0.052	0.001, 0.994	0.191, 0.030*	0.049, 0.621	0.082, 0.410	0.067, 0.491	0.118, 0.221[b]	0.085, 0.389
Interaction Model								
SNP Main Effect	0.312, 0.141	-0.224, 0.247	0.397, 0.007*	0.396, 0.017*	0.167, 0.321	0.246, 0.134	0.226, 0.031*	0.244, 0.147
SNP-by-CA Inter	-0.256, 0.424	0.185, 0.526	-0.244, 0.267	-0.607, 0.015*	-0.326, 0.200	-0.317, 0.200	-0.386, 0.015*	-0.411, 0.105
SNP-by-AO Inter	0.023, 0.937	0.461, 0.085	-0.352, 0.081	-0.406, 0.074	0.021, 0.928	-0.222, 0.328	-0.107, 0.457	-0.068, 0.770
BCL2rs17759659	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	0.132, 0.311	0.093, 0.415	0.039, 0.671	0.080, 0.434	-0.003, 0.973	0.043, 0.668	-0.004, 0.951	-0.043, 0.674
Interaction Model								
SNP Main Effect	0.320, 0.111	0.098, 0.584	0.069, 0.625	0.047, 0.769	0.104, 0.512	0.223, 0.152	-0.036, 0.707	-0.176, 0.268
SNP-by-CA Inter	-0.526, 0.108	0.114, 0.696	-0.131, 0.572	0.164, 0.527	0.033, 0.899	-0.456, 0.072	0.106, 0.502	0.193, 0.457
SNP-by-AO Inter	-0.173, 0.548	-0.098, 0.703	0.003, 0.988	-0.029, 0.901	-0.334, 0.146	-0.174, 0.437	0.014, 0.920	0.235, 0.305
BCL2rs2279115	n=205	n=205	n=206	n=206	n=206	n=206	n=206	n=206
Main Effects Model								
SNP Main Effect	0.019, 0.888	-0.140, 0.251	0.033, 0.722	-0.118, 0.266	-0.152, 0.147	-0.106, 0.320	-0.083, 0.197	-0.141, 0.191
Interaction Model								
SNP Main Effect	-0.033, 0.882	-0.169, 0.412	0.099, 0.531	-0.204, 0.252	-0.083, 0.640	-0.380, 0.034*	0.011, 0.921	-0.097, 0.594
SNP-by-CA Inter	-0.039, 0.910	-0.008, 0.980	-0.063, 0.797	0.070, 0.797	-0.165, 0.544	0.348, 0.207	-0.157, 0.357	-0.047, 0.867
SNP-by-AO Inter	0.188, 0.547	0.084, 0.771	-0.127, 0.568	0.180, 0.471	-0.073, 0.769	0.451, 0.073	-0.122, 0.434	-0.078, 0.761
BCL2rs4941195	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	0.049, 0.700	-0.095, 0.398	0.107, 0.222	-0.058, 0.560	-0.227, 0.021*	-0.003, 0.979	0.010, 0.864	0.013, 0.897
Interaction Model								
SNP Main Effect	-0.027, 0.895	-0.048, 0.789	0.214, 0.129	-0.110, 0.493	-0.185, 0.239	-0.213, 0.174	0.132, 0.169	0.300, 0.057
SNP-by-CA Inter	0.024, 0.941	-0.021, 0.942	-0.082, 0.719	0.096, 0.711	<0.001, 1.000	0.158, 0.534	-0.221, 0.157	-0.471, 0.066
SNP-by-AO Inter	0.189, 0.514	-0.110, 0.668	-0.225, 0.264	0.074, 0.749	-0.123, 0.586	0.434, 0.055	-0.174, 0.208	-0.407, 0.073
BCL2rs4987852	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.273, 0.096	-0.154, 0.297	-0.072, 0.543	-0.068, 0.603	-0.058, 0.656	0.190, 0.140	-0.018, 0.818	-0.008, 0.953
Interaction Model								
SNP Main Effect	-0.511, 0.051	0.046, 0.849	-0.070, 0.709	-0.097, 0.652	0.087, 0.681	0.464, 0.024*	-0.005, 0.965	-0.121, 0.566
SNP-by-CA Inter	0.458, 0.336	-0.528, 0.226	0.282, 0.409	0.079, 0.837	-0.219, 0.570	-0.046, 0.902	0.214, 0.350	0.382, 0.320
SNP-by-AO Inter	0.383, 0.284	-0.178, 0.586	-0.101, 0.693	0.030, 0.917	-0.310, 0.284	-0.542, 0.054	-0.120, 0.486	0.076, 0.792
BCL2rs4987853	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	-0.033, 0.793	-0.046, 0.681	-0.035, 0.687	-0.053, 0.589	0.014, 0.887	-0.025, 0.796	-0.062, 0.314	-0.098, 0.322
Interaction Model								
SNP Main Effect	-0.182, 0.386	-0.045, 0.811	-0.282, 0.054	-0.313, 0.058	-0.134, 0.418	-0.253, 0.121	-0.078, 0.448	-0.145, 0.384
SNP-by-CA Inter	0.239, 0.492	0.179, 0.560	0.516, 0.031*	0.211, 0.430	0.205, 0.451	0.378, 0.157	0.141, 0.403	0.149, 0.583
SNP-by-AO Inter	0.234, 0.423	-0.113, 0.662	0.304, 0.134	0.497, 0.029*	0.255, 0.269	0.329, 0.147	-0.055, 0.701	0.022, 0.924
BCL2rs4987855	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.064, 0.708	-0.020, 0.898	-0.055, 0.651	-0.101, 0.453	0.004, 0.975	0.029, 0.826	-0.086, 0.296	-0.111, 0.408
Interaction Model								
SNP Main Effect	-0.033, 0.907	0.093, 0.712	-0.306, 0.118	-0.293, 0.182	-0.115, 0.604	-0.156, 0.474	-0.079, 0.558	-0.304, 0.168
SNP-by-CA Inter	0.008, 0.987	-0.334, 0.487	0.255, 0.496	0.283, 0.499	0.037, 0.931	0.363, 0.383	-0.061, 0.811	0.228, 0.589
SNP-by-AO Inter	0.209, 0.581	-0.149, 0.659	0.433, 0.101	0.298, 0.313	0.269, 0.367	0.254, 0.387	0.011, 0.949	0.295, 0.321
BCL2rs956572	n=210	n=211	n=211	n=210	n=211	n=211	n=211	n=211
Main Effects Model								
SNP Main Effect	0.081, 0.532	0.039, 0.725	-0.028, 0.757	0.049, 0.626	0.170, 0.091	-0.169, 0.092	-0.015, 0.809	0.013, 0.897
Interaction Model								
SNP Main Effect	0.222, 0.311	-0.089, 0.638	0.093, 0.545	0.278, 0.098	0.392, 0.020*	-0.191, 0.257	0.085, 0.426	-0.009, 0.960
SNP-by-CA Inter	-0.219, 0.524	0.122, 0.680	-0.181, 0.451	-0.171, 0.512	-0.283, 0.280	-0.097, 0.712	-0.046, 0.782	-0.007, 0.979
SNP-by-AO Inter	-0.223, 0.454	0.241, 0.351	-0.187, 0.374	-0.441, 0.054	-0.411, 0.073	0.108, 0.637	-0.250, 0.084	0.064, 0.788
BCL2rs9807663	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.012, 0.938	0.103, 0.439	0.012, 0.907	-0.011, 0.927	0.033, 0.779	-0.065, 0.572	0.044, 0.528	-0.043, 0.716
Interaction Model								
SNP Main Effect	0.028, 0.899	0.315, 0.107	0.107, 0.485	-0.027, 0.874	0.210, 0.223	-0.235, 0.165	0.042, 0.679	-0.001, 0.995
SNP-by-CA Inter	-0.516, 0.196	-0.178, 0.617	-0.349, 0.198	-0.367, 0.222	-0.431, 0.156	0.189, 0.525	-0.230, 0.194	-0.213, 0.486
SNP-by-AO Inter	0.191, 0.578	-0.681, 0.028*	-0.039, 0.873	0.306, 0.256	-0.242, 0.372	0.349, 0.191	0.173, 0.276	0.059, 0.828
BIRC5rs1042489	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	-0.004, 0.977	0.080, 0.468	-0.015, 0.865	0.145, 0.129	-0.030, 0.758	-0.057, 0.552	-0.078, 0.174	-0.049, 0.609
Interaction Model								
SNP Main Effect	0.022, 0.911	0.176, 0.321	-0.094, 0.498	0.235, 0.127	-0.181, 0.247	-0.199, 0.194	-0.161, 0.082	-0.234, 0.125
SNP-by-CA Inter	-0.052, 0.869	-0.113, 0.690	0.102, 0.644	-0.199, 0.413	0.117, 0.635	0.178, 0.462	0.190, 0.195	0.451, 0.062
SNP-by-AO Inter	-0.035, 0.905	-0.199, 0.446	0.145, 0.479	-0.097, 0.667	0.356, 0.122	0.252, 0.263	0.091, 0.502	0.140, 0.533
BIRC5rs1508147	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	0.039, 0.750	0.067, 0.540	0.002, 0.983	0.138, 0.152	-0.025, 0.794	-0.032, 0.735	-0.061, 0.289	-0.052, 0.587
Interaction Model								
SNP Main Effect	0.033, 0.868	0.155, 0.383	-0.092, 0.507	0.226, 0.148	-0.187, 0.226	-0.190, 0.213	-0.155, 0.092	-0.249, 0.098
SNP-by-CA Inter	-0.013, 0.967	-0.089, 0.753	0.063, 0.773	-0.191, 0.436	0.146, 0.548	0.208, 0.385	0.206, 0.156	0.472, 0.048*
SNP-by-AO Inter	0.026, 0.929	-0.195, 0.459	0.211, 0.305	-0.090, 0.695	0.362, 0.115	0.271, 0.230	0.110, 0.421	0.132, 0.553
BIRC5rs17878467	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	-0.193, 0.184	0.246, 0.059	-0.121, 0.236	0.125, 0.278	-0.037, 0.748	-0.091, 0.416	-0.022, 0.753	-0.003, 0.979
Interaction Model								
SNP Main Effect	-0.413, 0.084	0.149, 0.489	-0.099, 0.562	0.063, 0.744	-0.192, 0.311	-0.008, 0.965	-0.106, 0.359	0.042, 0.826
SNP-by-CA Inter	0.351, 0.350	0.214, 0.520	-0.161, 0.537	0.001, 0.996	0.299, 0.304	-0.118, 0.682	0.140, 0.429	-0.008, 0.978
SNP-by-AO Inter	0.366, 0.285	0.091, 0.769	0.061, 0.801	0.176, 0.522	0.246, 0.364	-0.132, 0.623	0.148, 0.370	-0.125, 0.648
BIRC5rs2239680	n=213	n=214	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	0.110, 0.385	-0.197, 0.073	0.042, 0.635	-0.086, 0.379	-0.056, 0.576	0.120, 0.219	0.068, 0.242	0.128, 0.197
Interaction Model								
SNP Main Effect	0.220, 0.275	-0.156, 0.367	-0.020, 0.889	-0.119, 0.448	-0.074, 0.637	0.101, 0.515	0.028, 0.766	0.001, 0.996
SNP-by-CA Inter	-0.199, 0.536	0.213, 0.437	0.100, 0.656	-0.022, 0.930	0.406, 0.103	0.027, 0.914	0.048, 0.749	0.270, 0.283
SNP-by-AO Inter	-0.162, 0.572	-0.269, 0.275	0.095, 0.637	0.098, 0.661	-0.235, 0.294	0.031, 0.890	0.083, 0.535	0.142, 0.530
BIRC5rs3764383	n=212	n=212	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	0.149, 0.236	-0.165, 0.143	0.114, 0.199	-0.113, 0.250	-0.044, 0.662	0.192, 0.047*	0.107, 0.057	0.148, 0.140
Interaction Model								
SNP Main Effect	0.238, 0.235	-0.090, 0.614	-0.012, 0.931	-0.279, 0.078	-0.117, 0.462	0.183, 0.238	0.083, 0.369	-0.025, 0.875
SNP-by-CA Inter	-0.328, 0.293	0.094, 0.735	0.233, 0.338	0.122, 0.617	0.391, 0.112	0.030, 0.899	0.039, 0.786	0.337, 0.174
SNP-by-AO Inter	-0.008, 0.978	-0.268, 0.285	0.185, 0.356	0.346, 0.118	-0.089, 0.692	0.003, 0.991	0.062, 0.634	0.203, 0.366
BIRC5rs8073069	n=206	n=206	n=207	n=206	n=207	n=207	n=207	n=207
Main Effects Model								
SNP Main Effect	0.094, 0.461	-0.091, 0.421	0.067, 0.444	0.042, 0.677	-0.025, 0.803	-0.028, 0.775	-0.099, 0.118	-0.134, 0.168
Interaction Model								
SNP Main Effect	0.338, 0.104	0.051, 0.780	0.056, 0.694	0.176, 0.287	-0.061, 0.707	-0.266, 0.097	-0.071, 0.488	-0.244, 0.119
SNP-by-CA Inter	-0.280, 0.416	-0.331, 0.278	-0.037, 0.874	-0.243, 0.371	-0.179, 0.508	0.266, 0.315	-0.022, 0.898	0.263, 0.308
SNP-by-AO Inter	-0.454, 0.131	-0.163, 0.538	0.044, 0.829	-0.184, 0.437	0.220, 0.353	0.442, 0.057	-0.061, 0.683	0.061, 0.786
BIRC5rs8073903	n=211	n=212	n=212	n=211	n=212	n=212	n=212	n=212
Main Effects Model								
SNP Main Effect	0.047, 0.710	0.059, 0.586	0.025, 0.773	0.163, 0.092	0.005, 0.961	-0.030, 0.754	-0.065, 0.257	-0.025, 0.800
Interaction Model								
SNP Main Effect	0.048, 0.811	0.133, 0.452	-0.042, 0.766	0.291, 0.061	-0.145, 0.358	-0.215, 0.165	-0.133, 0.162	-0.163, 0.296
SNP-by-CA Inter	-0.068, 0.834	-0.109, 0.699	0.082, 0.718	-0.261, 0.292	0.135, 0.593	0.266, 0.285	0.201, 0.186	0.400, 0.111
SNP-by-AO Inter	0.046, 0.878	-0.131, 0.616	0.126, 0.549	-0.155, 0.500	0.349, 0.137	0.306, 0.183	0.042, 0.767	0.027, 0.908
BIRC5rs9904341	n=205	n=205	n=206	n=205	n=206	n=206	n=206	n=206
Main Effects Model								
SNP Main Effect	-0.169, 0.172	0.064, 0.573	-0.021, 0.810	-0.060, 0.543	0.030, 0.762	-0.091, 0.350	-0.060, 0.320	-0.052, 0.592
Interaction Model								
SNP Main Effect	-0.173, 0.378	0.051, 0.773	0.171, 0.210	-0.045, 0.774	0.165, 0.292	0.078, 0.610	0.007, 0.943	0.139, 0.354
SNP-by-CA Inter	0.037, 0.910	-0.231, 0.436	-0.362, 0.109	0.036, 0.890	-0.381, 0.143	-0.279, 0.272	-0.091, 0.549	-0.052, 0.841*
SNP-by-AO Inter	-0.010, 0.971	0.190, 0.458	-0.283, 0.148	-0.063, 0.780	-0.145, 0.519	-0.258, 0.243	-0.129, 0.324	-0.150, 0.488
CCNB1rs164390	n=213	n=214	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	0.010, 0.939	-0.230, 0.035*	-0.048, 0.582	-0.060, 0.538	-0.002, 0.986	0.014, 0.883	-0.010, 0.859	0.237, 0.016*
Interaction Model								
SNP Main Effect	0.196, 0.323	-0.167, 0.334	0.280, 0.039*	-0.116, 0.457	0.016, 0.921	0.299, 0.052	0.099, 0.298	0.581, <0.001*
SNP-by-CA Inter	-0.046, 0.884	-0.153, 0.573	-0.478, 0.026*	0.281, 0.252	0.054, 0.831	-0.355, 0.143	-0.147, 0.327	-0.584, 0.025*
SNP-by-AO Inter	-0.498, 0.085	-0.054, 0.829	-0.551, 0.006*	-0.067, 0.767	-0.097, 0.678	-0.518, 0.021*	-0.196, 0.156	-0.540, 0.017*
CCNB1rs350099	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	-0.013, 0.918	-0.246, 0.026*	-0.044, 0.618	-0.092, 0.343	0.030, 0.759	-0.027, 0.778	-0.050, 0.398	0.185, 0.059
Interaction Model								
SNP Main Effect	0.194, 0.332	-0.155, 0.377	0.236, 0.087	-0.123, 0.427	0.044, 0.782	0.350, 0.024*	0.069, 0.475	0.562, <0.001*
SNP-by-CA Inter	-0.132, 0.676	-0.162, 0.556	-0.345, 0.110	0.269, 0.273	0.001, 0.996	-0.445, 0.065	-0.118, 0.432	-0.553, 0.024*
SNP-by-AO Inter	-0.492, 0.089	-0.131, 0.606	-0.507, 0.011*	-0.121, 0.592	-0.036, 0.875	-0.685, 0.002*	-0.244, 0.079	-0.608, 0.008*
CCNB1rs350104	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	0.056, 0.677	0.053, 0.657	0.028, 0.763	0.144, 0.168	-0.102, 0.328	-0.069, 0.505	0.013, 0.843	-0.015, 0.889
Interaction Model								
SNP Main Effect	-0.178, 0.448	-0.023, 0.915	-0.225, 0.177	0.104, 0.575	-0.154, 0.401	-0.441, 0.016*	-0.153, 0.176	-0.475, 0.009*
SNP-by-CA Inter	0.174, 0.620	0.122, 0.702	0.128, 0.606	-0.001, 0.998	0.295, 0.282	0.564, 0.039*	0.193, 0.251	0.631, 0.020*
SNP-by-AO Inter	0.446, 0.150	0.106, 0.706	0.470, 0.032*	0.095, 0.698	-0.063, 0.794	0.516, 0.032*	0.297, 0.045*	0.699, 0.004*
CD68rs8066665	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.042, 0.741	-0.130, 0.250	0.021, 0.815	0.040, 0.688	-0.048, 0.630	-0.056, 0.574	0.012, 0.835	-0.044, 0.660
Interaction Model								
SNP Main Effect	-0.012, 0.959	-0.289, 0.142	0.120, 0.438	-0.027, 0.878	-0.142, 0.414	-0.252, 0.147	-0.084, 0.433	-0.220, 0.205
SNP-by-CA Inter	-0.159, 0.633	0.168, 0.570	-0.336, 0.149	-0.163, 0.534	0.023, 0.928	0.364, 0.163	0.143, 0.374	0.275, 0.292
SNP-by-AO Inter	0.235, 0.428	0.295, 0.263	-0.032, 0.876	0.273, 0.248	0.237, 0.311	0.250, 0.284	0.153, 0.289	0.247, 0.289
CD8rs9901673	n=217	n=217	n=218	n=218	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	0.069, 0.595	0.005, 0.967	0.070, 0.453	0.013, 0.901	0.036, 0.733	0.098, 0.338	0.064, 0.306	0.100, 0.337
Interaction Model								
SNP Main Effect	0.176, 0.427	-0.020, 0.920	0.114, 0.458	0.078, 0.656	0.104, 0.559	0.446, 0.010*	0.128, 0.242	0.412, 0.019*
SNP-by-CA Inter	-0.202, 0.537	0.035, 0.905	0.315, 0.163	-0.273, 0.287	-0.169, 0.519	-0.444, 0.078	-0.191, 0.234	-0.439, 0.087
SNP-by-AO Inter	-0.141, 0.646	0.052, 0.853	-0.331, 0.121	0.038, 0.877	-0.060, 0.809	-0.555, 0.020*	-0.011, 0.940	-0.498, 0.040*
CENPArs3806517	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	0.028, 0.817	-0.127, 0.252	-0.021, 0.801	-0.002, 0.980	0.009, 0.922	-0.020, 0.831	-0.004, 0.951	0.070, 0.457
Interaction Model								
SNP Main Effect	-0.229, 0.247	-0.363, 0.039*	0.107, 0.443	0.008, 0.958	-0.118, 0.449	-0.196, 0.205	-0.013, 0.890	0.074, 0.622
SNP-by-CA Inter	0.237, 0.471	0.056, 0.849	-0.143, 0.539	0.039, 0.881	0.291, 0.264	0.353, 0.171	-0.024, 0.879	0.283, 0.259
SNP-by-AO Inter	0.538, 0.052	0.615, 0.012*	-0.231, 0.238	-0.050, 0.820	0.171, 0.432	0.226, 0.296	0.042, 0.750	-0.193, 0.357
CENPArs3806518	n=213	n=213	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	0.011, 0.927	0.017, 0.877	-0.005, 0.956	-0.044, 0.639	0.050, 0.601	-0.019, 0.838	-0.023, 0.684	0.025, 0.792
Interaction Model								
SNP Main Effect	0.136, 0.493	-0.103, 0.561	-0.101, 0.457	-0.195, 0.211	-0.148, 0.335	0.282, 0.063	0.046, 0.630	0.139, 0.369
SNP-by-CA Inter	-0.395, 0.212	0.312, 0.270	0.011, 0.960	0.368, 0.135	0.379, 0.171	-0.501, 0.037*	-0.086, 0.572	-0.340, 0.167
SNP-by-AO Inter	-0.058, 0.834	0.078, 0.753	0.226, 0.230	0.130, 0.548	0.507, 0.018*	-0.423, 0.045*	-0.140, 0.294	-0.047, 0.828
CMC2rs1025065	n=208	n=208	n=209	n=208	n=209	n=209	n=209	n=209
Main Effects Model								
SNP Main Effect	-0.128, 0.298	0.057, 0.603	0.002, 0.983	0.019, 0.845	0.178, 0.175	-0.109, 0.257	0.046, 0.421	-0.022, 0.818
Interaction Model								
SNP Main Effect	-0.217, 0.291	0.135, 0.463	0.038, 0.793	0.019, 0.907	0.084, 0.607	-0.218, 0.172	0.032, 0.741	-0.088, 0.580
SNP-by-CA Inter	-0.141, 0.660	-0.048, 0.868	-0.275, 0.216	-0.138, 0.581	0.144, 0.566	0.260, 0.294	0.036, 0.865	0.190, 0.444
SNP-by-AO Inter	0.363, 0.216	-0.195, 0.459	0.088, 0.667	0.107, 0.641	-0.190, 0.412	0.099, 0.663	0.015, 0.913	0.029, 0.898
CMC2rs1981867	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.136, 0.253	-0.197, 0.058	0.222, 0.792	0.059, 0.526	-0.091, 0.326	0.060, 0.512	0.061, 0.279	0.094, 0.310
Interaction Model								
SNP Main Effect	-0.221, 0.262	0.018, 0.914	0.069, 0.617	0.147, 0.342	-0.031, 0.839	0.172, 0.258	0.020, 0.832	0.009, 0.951
SNP-by-CA Inter	0.153, 0.621	-0.300, 0.264	0.045, 0.835	-0.227, 0.350	0.035, 0.884	-0.182, 0.447	0.073, 0.617	-0.024, 0.920
SNP-by-AO Inter	0.121, 0.662	-0.363, 0.127	-0.137, 0.478	-0.069, 0.751	-0.201, 0.354	-0.160, 0.453	0.061, 0.640	0.239, 0.265
CMC2rs9936489	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	0.151, 0.213	-0.113, 0.302	-0.026, 0.757	-0.048, 0.618	-0.037, 0.705	-0.071, 0.451	0.030, 0.600	-0.057, 0.544
Interaction Model								
SNP Main Effect	0.264, 0.183	-0.186, 0.300	-0.147, 0.293	0.051, 0.743	0.065, 0.676	-0.135, 0.377	-0.008, 0.932	-0.061, 0.693
SNP-by-CA Inter	-0.131, 0.681	0.082, 0.777	0.281, 0.209	-0.115, 0.646	-0.365, 0.146	-0.053, 0.828	0.066, 0.662	-0.149, 0.545
SNP-by-AO Inter	-0.220, 0.437	0.147, 0.567	0.141, 0.481	-0.185, 0.408	-0.013, 0.953	0.197, 0.367	0.054, 0.689	0.127, 0.563
CTSL2rs16919034	n=212	n=213	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	0.112, 0.397	-0.058, 0.611	-0.027, 0.768	-0.090, 0.378	0.002, 0.987	-0.120, 0.242	-0.007, 0.909	0.112, 0.286
Interaction Model								

Left column

SNP Main Effect	0.007, 0.974	0.226, 0.236	-0.243, 0.110	-0.094, 0.582	-0.023, 0.894	-0.429, 0.011*	-0.043, 0.678	0.046, 0.791
SNP-by-CA Inter	0.339, 0.320	-0.309, 0.295	0.216, 0.357	0.038, 0.886	-0.084, 0.756	0.134, 0.603	<0.001, 0.998	-0.147, 0.582
SNP-by-AO Inter	0.046, 0.882	-0.529, 0.054	0.408, 0.061	-0.017, 0.944	0.149, 0.552	0.696, 0.004*	0.109, 0.462	0.290, 0.243

CTSL2rs4361859	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	-0.029, 0.807	-0.029, 0.787	0.025, 0.766	0.068, 0.460	-0.002, 0.987	0.007, 0.942	-0.027, 0.622	-0.045, 0.627
Interaction Model								
SNP Main Effect	0.016, 0.934	0.066, 0.709	0.272, 0.045*	0.044, 0.771	0.077, 0.618	0.162, 0.287	0.094, 0.315	-0.072, 0.639
SNP-by-CA Inter	-0.505, 0.099	-0.176, 0.531	-0.433, 0.044*	-0.240, 0.318	-0.234, 0.343	-0.207, 0.392	-0.173, 0.242	0.069, 0.779
SNP-by-AO Inter	0.274, 0.307	-0.115, 0.640	-0.341, 0.072	0.252, 0.233	-0.038, 0.862	-0.255, 0.232	-0.207, 0.114	0.015, 0.945

DIAPH1rs1337652	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	-0.069, 0.582	0.130, 0.247	-0.163, 0.063	0.018, 0.857	-0.141, 0.157	-0.048, 0.624	-0.126, 0.032*	-0.090, 0.365
Interaction Model								
SNP Main Effect	-0.049, 0.807	0.006, 0.973	-0.295, 0.036*	0.362, 0.021*	-0.161, 0.313	0.037, 0.815	-0.187, 0.048*	0.095, 0.550
SNP-by-CA Inter	0.456, 0.174	0.093, 0.759	0.405, 0.084	-0.361, 0.166	0.333, 0.212	0.040, 0.880	0.305, 0.055	0.002, 0.995
SNP-by-AO Inter	-0.312, 0.255	0.268, 0.281	0.129, 0.503	-0.620, 0.004*	-0.135, 0.539	-0.213, 0.329	-0.054, 0.676	-0.446, 0.042*

DIAPH1rs4547237	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.147, 0.212	-0.035, 0.738	0.185, 0.024*	0.023, 0.802	0.157, 0.088	0.198, 0.030*	0.084, 0.127	0.195, 0.034*
Interaction Model								
SNP Main Effect	0.081, 0.679	-0.273, 0.118	0.410, 0.002*	-0.130, 0.406	0.095, 0.537	0.355, 0.018*	0.194, 0.039*	0.229, 0.134
SNP-by-CA Inter	0.102, 0.742	0.053, 0.847	-0.280, 0.184	0.208, 0.394	0.090, 0.709	-0.090, 0.702	-0.109, 0.456	-0.129, 0.593
SNP-by-AO Inter	0.105, 0.704	0.610, 0.014*	-0.389, 0.040*	0.234, 0.285	0.114, 0.597	-0.337, 0.111	-0.225, 0.088	0.002, 0.991

ERBB2rs1058808	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	0.059, 0.627	0.030, 0.784	-0.023, 0.788	0.041, 0.668	0.044, 0.642	0.035, 0.711	0.001, 0.981	-0.061, 0.525
Interaction Model								
SNP Main Effect	-0.133, 0.507	0.079, 0.658	0.030, 0.829	0.050, 0.748	0.090, 0.573	0.169, 0.281	-0.064, 0.506	0.101, 0.523
SNP-by-CA Inter	0.360, 0.259	-0.105, 0.713	-0.137, 0.538	0.266, 0.280	0.192, 0.446	-0.081, 0.745	0.109, 0.470	-0.206, 0.409
SNP-by-AO Inter	0.266, 0.340	-0.058, 0.815	-0.045, 0.819	-0.195, 0.366	-0.261, 0.241	-0.275, 0.208	-0.560, 0.268	-0.270, 0.220

ERBB2rs1136201	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.016, 0.896	-0.034, 0.756	0.076, 0.371	-0.010, 0.920	-0.035, 0.716	-0.074, 0.435	-0.064, 0.265	-0.181, 0.056
Interaction Model								
SNP Main Effect	0.252, 0.205	0.159, 0.372	0.027, 0.847	-0.086, 0.588	-0.094, 0.549	-0.246, 0.111	-0.119, 0.203	-0.205, 0.187
SNP-by-CA Inter	-0.260, 0.411	-0.169, 0.553	0.239, 0.283	0.036, 0.885	0.108, 0.666	0.213, 0.384	0.119, 0.423	0.223, 0.367
SNP-by-AO Inter	-0.451, 0.116	-0.383, 0.135	-0.015, 0.940	0.163, 0.471	0.091, 0.687	0.296, 0.181	0.067, 0.615	-0.085, 0.703

SNP Main Effect	-0.144, 0.475	0.091, 0.616	0.011, 0.935	0.039, 0.804	0.127, 0.416	0.131, 0.402	-0.065, 0.508	0.114, 0.472
SNP-by-CA Inter	0.336, 0.291	-0.127, 0.657	-0.257, 0.247	0.194, 0.432	0.041, 0.867	0.134, 0.603	0.114, 0.459	-0.130, 0.600
SNP-by-AO Inter	0.231, 0.406	-0.184, 0.465	-0.009, 0.965	-0.249, 0.255	-0.269, 0.215	-0.228, 0.296	0.117, 0.388	-0.252, 0.250

MIR125Ars12976445	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.288, 0.016*	0.073, 0.497	0.047, 0.580	-0.223, 0.017*	-0.074, 0.434	0.020, 0.834	-0.023, 0.679	0.038, 0.688
Interaction Model								
SNP Main Effect	-0.619, 0.001*	0.102, 0.565	-0.126, 0.365	-0.456, 0.003*	-0.121, 0.443	-0.017, 0.911	-0.079, 0.391	-0.050, 0.749
SNP-by-CA Inter	0.643, 0.028*	-0.157, 0.573	0.257, 0.238	0.326, 0.168	0.010, 0.968	0.022, 0.927	0.267, 0.065	0.152, 0.532
SNP-by-AO Inter	0.439, 0.099	0.047, 0.849	0.266, 0.171	0.364, 0.085	0.133, 0.544	0.076, 0.723	-0.060, 0.644	0.109, 0.616

ESR1rs10484919	n=203	n=203	n=204	n=203	n=204	n=204	n=204	n=204
Main Effects Model								
SNP Main Effect	-0.037, 0.831	-0.004, 0.976	-0.136, 0.255	0.043, 0.745	-0.221, 0.106	-0.449, 0.001*	-0.107, 0.208	-0.170, 0.202
Interaction Model								
SNP Main Effect	-0.120, 0.655	0.158, 0.502	-0.329, 0.073	0.157, 0.448	-0.054, 0.799	-0.646, 0.001*	-0.214, 0.094	-0.267, 0.194
SNP-by-CA Inter	0.310, 0.569	-0.472, 0.325	0.281, 0.451	-0.105, 0.803	-0.262, 0.542	-0.382, 0.330	-0.211, 0.414	-0.180, 0.666
SNP-by-AO Inter	0.073, 0.846	-0.202, 0.541	0.340, 0.188	-0.199, 0.494	-0.357, 0.231	0.509, 0.062	0.319, 0.075	0.281, 0.330

ESR1rs1062577	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	-0.085, 0.610	0.312, 0.035*	-0.143, 0.225	0.058, 0.656	0.004, 0.979	-0.119, 0.360	-0.039, 0.761[b]	-0.119, 0.369
Interaction Model								
SNP Main Effect	-0.023, 0.927	0.380, 0.087	0.131, 0.450	-0.244, 0.211	-0.116, 0.558	-0.018, 0.926	-0.077, 0.525	-0.008, 0.970
SNP-by-CA Inter	0.071, 0.869	-0.355, 0.354	-0.696, 0.021*	0.646, 0.056	-0.183, 0.594	-0.250, 0.461	-0.074, 0.726	-0.343, 0.317
SNP-by-AO Inter	-0.270, 0.485	0.071, 0.834	-0.352, 0.189	0.378, 0.208	0.599, 0.051	-0.111, 0.714	0.151, 0.420	-0.007, 0.402

ESR1rs11964281	n=213	n=214	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	-0.086, 0.614	-0.031, 0.834	0.089, 0.458	-0.004, 0.974	0.168, 0.218	-0.050, 0.706	0.136, 0.083	-0.014, 0.919
Interaction Model								
SNP Main Effect	0.049, 0.855	-0.167, 0.476	0.282, 0.126	-0.053, 0.798	0.263, 0.216	0.254, 0.217	0.160, 0.194	0.266, 0.203
SNP-by-CA Inter	0.069, 0.869	0.412, 0.264	-0.069, 0.813	0.065, 0.842	-0.084, 0.802	-0.438, 0.177	-0.366, 0.850	-0.358, 0.278
SNP-by-AO Inter	-0.535, 0.190	0.033, 0.927	-0.530, 0.062	0.098, 0.759	-0.300, 0.357	-0.461, 0.145	-0.041, 8.827	-0.487, 0.131

ESR1rs12173570	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	-0.025, 0.854	-0.021, 0.866	-0.134, 0.158	0.008, 0.940	-0.051, 0.633	-0.209, 0.048*	-0.001, 0.986	-0.044, 0.684
Interaction Model								
SNP Main Effect	-0.306, 0.154	0.235, 0.221	-0.232, 0.123	0.031, 0.854	0.013, 0.938	-0.269, 0.106	0.012, 0.906	0.003, 0.987
SNP-by-CA Inter	0.408, 0.262	-0.237, 0.467	0.141, 0.580	0.098, 0.732	0.065, 0.821	-0.067, 0.813	-0.251, 0.139	-0.054, 0.850
SNP-by-AO Inter	0.517, 0.091	-0.551, 0.045	0.171, 0.424	-0.116, 0.633	-0.239, 0.327	0.177, 0.454	0.163, 0.251	-0.083, 0.733

SNP Main Effect	-0.087, 0.691	-0.119, 0.539	-0.075, 0.626	-0.288, 0.092	0.042, 0.810	0.221, 0.197	-0.046, 0.652	0.054, 0.759
SNP-by-CA Inter	0.031, 0.933	0.320, 0.328	0.147, 0.574	0.209, 0.467	-0.013, 0.964	-0.300, 0.298	0.131, 0.449	-0.164, 0.577
SNP-by-AO Inter	-0.177, 0.623	-0.044, 0.889	-0.126, 0.618	0.202, 0.468	-0.257, 0.367	-0.393, 0.161	0.197, 0.243	-0.143, 0.617

ESR1rs2077647	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	-0.055, 0.698	0.049, 0.698	0.131, 0.188	0.012, 0.914	0.127, 0.259	0.033, 0.769	-0.016, 0.804	0.049, 0.665
Interaction Model								
SNP Main Effect	-0.155, 0.503	-0.069, 0.738	0.227, 0.158	0.225, 0.218	0.057, 0.752	0.231, 0.198	0.071, 0.500	-0.020, 0.912
SNP-by-CA Inter	0.308, 0.418	-0.027, 0.937	-0.080, 0.759	-0.503, 0.088	-0.103, 0.728	-0.172, 0.556	0.174, 0.314	0.343, 0.250
SNP-by-AO Inter	0.089, 0.785	0.347, 0.232	-0.192, 0.395	-0.168, 0.507	0.329, 0.197	-0.400, 0.112	-0.341, 0.022*	-0.055, 0.830

ESR1rs2228480	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	0.083, 0.501	-0.175, 0.107	0.086, 0.316	0.143, 0.138	-0.157, 0.103	0.010, 0.917	0.042, 0.481	0.054, 0.582
Interaction Model								
SNP Main Effect	-0.042, 0.835	-0.079, 0.662	0.097, 0.492	0.087, 0.585	-0.289, 0.068	-0.042, 0.792	-0.001, 0.990	0.135, 0.0473
SNP-by-CA Inter	0.199, 0.536	-0.153, 0.591	0.186, 0.406	-0.103, 0.682	0.381, 0.127	0.114, 0.652	0.114, 0.461	0.037, 0.884
SNP-by-AO Inter	0.193, 0.501	-0.140, 0.580	-0.135, 0.498	0.214, 0.339	0.081, 0.717	0.056, 0.803	0.024, 0.859	-0.204, 0.369

ESR1rs2234693	n=205	n=205	n=206	n=205	n=206	n=206	n=206	n=206
Main Effects Model								
SNP Main Effect	-0.110, 0.459	0.172, 0.184	0.151, 0.143	0.061, 0.601	0.126, 0.277	0.090, 0.434	-0.043, 0.548	-0.046, 0.698
Interaction Model								
SNP Main Effect	-0.181, 0.454	0.053, 0.797	0.432, 0.008*	0.255, 0.175	0.057, 0.758	0.196, 0.298	0.001, 0.991	-0.118, 0.536
SNP-by-CA Inter	0.192, 0.649	-0.0296, 0.411	-0.520, 0.068	-0.546, 0.097	-0.153, 0.639	-0.203, 0.538	0.213, 0.286	0.386, 0.249
SNP-by-AO Inter	0.084, 0.802	0.485, 0.090	-0.376, 0.096	-0.151, 0.563	0.313, 0.226	-0.160, 0.539	-0.217, 0.171	-0.020, 0.941

ESR1rs2347867	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	-0.248, 0.040*	<0.001, 0.997	-0.072, 0.396	-0.317, 0.001*	-0.227, 0.016*	-0.087, 0.358	-0.062, 0.280	-0.019, 0.843
Interaction Model								
SNP Main Effect	-0.261, 0.186	0.052, 0.768	-0.155, 0.265	-0.464, 0.002*	-0.299, 0.051	-0.031, 0.839	-0.078, 0.402	-0.078, 0.617
SNP-by-CA Inter	0.076, 0.811	-0.015, 0.960	0.068, 0.760	0.253, 0.296	0.243, 0.321	-0.072, 0.772	-0.010, 0.946	<0.001, 1.000
SNP-by-AO Inter	-0.016, 0.955	-0.137, 0.584	0.161, 0.409	0.203, 0.341	0.026, 0.904	-0.095, 0.662	0.055, 0.676	0.157, 0.475

ESR1rs2744677	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	-0.163, 0.178	0.087, 0.417	0.015, 0.864	-0.091, 0.337	0.109, 0.250	-0.107, 0.248	-0.009, 0.867	-0.139, 0.140
Interaction Model								
SNP Main Effect	-0.063, 0.751	0.074, 0.675	0.038, 0.783	0.035, 0.825	0.216, 0.167	0.013, 0.930	0.076, 0.417	-0.190, 0.218
SNP-by-CA Inter	0.075, 0.812	-0.140, 0.620	0.251, 0.252	-0.182, 0.464	-0.145, 0.557	-0.011, 0.964	-0.105, 0.483	0.335, 0.172
SNP-by-AO Inter	-0.317, 0.255	0.136, 0.584	-0.197, 0.310	-0.197, 0.371	-0.174, 0.427	-0.299, 0.168	-0.169, 0.201	-0.099, 0.647

Right column

ERBB2rs1476278	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.033, 0.783	-0.028, 0.797	-0.041, 0.629	-0.019, 0.838	0.025, 0.792	0.040, 0.665	0.016, 0.775	-0.023, 0.811
Interaction Model								
SNP Main Effect	-0.141, 0.485	0.090, 0.620	0.008, 0.952	0.042, 0.791	0.136, 0.385	0.130, 0.405	-0.064, 0.508	0.114, 0.471
SNP-by-CA Inter	0.334, 0.295	-0.126, 0.659	-0.256, 0.249	0.192, 0.437	0.032, 0.898	-0.027, 0.912	0.114, 0.456	-0.130, 0.597
SNP-by-AO Inter	0.228, 0.413	-0.227, 0.365	0.028, 0.885	-0.272, 0.211	-0.333, 0.126	-0.199, 0.359	0.138, 0.305	-0.255, 0.242

ERBB2rs1810132	n=211	n=212	n=212	n=211	n=212	n=212	n=212	n=212
Main Effects Model								
SNP Main Effect	0.110, 0.371	0.097, 0.367	-0.001, 0.993	0.040, 0.670	0.124, 0.194	0.073, 0.442	0.015, 0.794	-0.013, 0.890
Interaction Model								
SNP Main Effect	-0.025, 0.901	0.191, 0.274	0.080, 0.562	0.164, 0.275	0.182, 0.242	0.114, 0.457	-0.048, 0.611	0.072, 0.648
SNP-by-CA Inter	0.319, 0.316	-0.070, 0.802	-0.136, 0.535	0.094, 0.694	0.128, 0.606	0.168, 0.492	0.177, 0.237	-0.071, 0.777
SNP-by-AO Inter	0.130, 0.644	-0.215, 0.386	-0.110, 0.575	-0.398, 0.063	-0.267, 0.229	-0.223, 0.307	0.035, 0.795	-0.183, 0.414

ERBB2rs2517955	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.022, 0.858	0.020, 0.850	-0.074, 0.383	0.011, 0.910	0.026, 0.786	0.018, 0.845	-0.011, 0.841	-0.047, 0.618
Interaction Model								
SNP Main Effect	0.347, 0.279	-0.137, 0.632	-0.273, 0.220	0.264, 0.285	0.024, 0.923	-0.068, 0.784	0.055, 0.715	-0.205, 0.408
SNP-by-CA Inter	0.191, 0.493	-0.075, 0.765	-0.042, 0.829	-0.241, 0.265	-0.320, 0.142	-0.226, 0.299	0.085, 0.519	-0.258, 0.236

ERBB2rs4252596	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.134, 0.343	-0.033, 0.791	0.033, 0.742	-0.005, 0.966	0.065, 0.553	0.078, 0.477	0.043, 0.515	0.039, 0.726
Interaction Model								
SNP Main Effect	-0.124, 0.564	-0.037, 0.850	0.056, 0.710	0.018, 0.919	-0.051, 0.759	<0.001, 0.999	0.085, 0.403	0.082, 0.631
SNP-by-CA Inter	-0.169, 0.673	0.197, 0.568	0.059, 0.828	-0.430, 0.158	-0.085, 0.776	0.071, 0.812	-0.047, 0.797	-0.120, 0.692
SNP-by-AO Inter	0.076, 0.811	-0.110, 0.703	-0.091, 0.683	0.164, 0.511	0.376, 0.126	0.154, 0.531	-0.105, 0.482	-0.040, 0.872

ERBB2rs903501	n=210	n=211	n=211	n=211	n=211	n=211	n=211	n=211
Main Effects Model								
SNP Main Effect	0.051, 0.676	0.072, 0.506	-0.035, 0.687	-0.039, 0.687	0.054, 0.588	0.098, 0.302	0.031, 0.595	0.004, 0.966
Interaction Model								
SNP Main Effect	-0.050, 0.807	0.258, 0.155	-0.010, 0.943	0.072, 0.644	0.177, 0.282	0.174, 0.272	-0.064, 0.513	0.048, 0.770
SNP-by-CA Inter	0.293, 0.361	-0.193, 0.497	-0.119, 0.599	0.121, 0.623	0.016, 0.950	0.048, 0.847	0.182, 0.235	0.062, 0.809
SNP-by-AO Inter	0.055, 0.846	-0.362, 0.148	0.012, 0.954	-0.366, 0.092	-0.353, 0.120	-0.220, 0.316	0.121, 0.369	-0.159, 0.483

ERBB2rs9303274	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	0.032, 0.790	-0.010, 0.926	-0.054, 0.526	-0.010, 0.912	0.042, 0.657	0.030, 0.745	0.008, 0.888	-0.021, 0.826
Interaction Model								

ESR1rs12665044	n=212	n=213	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	-0.131, 0.368	-0.040, 0.753	-0.019, 0.850	-0.047, 0.676	0.018, 0.879	-0.049, 0.661	-0.010, 0.887	-0.105, 0.366
Interaction Model								
SNP Main Effect	-0.054, 0.801	-0.057, 0.763	-0.040, 0.789	-0.083, 0.624	0.028, 0.872	0.220, 0.186	-0.025, 0.810	-0.020, 0.905
SNP-by-CA Inter	0.012, 0.972	0.173, 0.578	0.149, 0.546	0.099, 0.718	0.060, 0.831	-0.353, 0.196	0.027, 0.871	-0.110, 0.692
SNP-by-AO Inter	-0.295, 0.387	-0.125, 0.679	-0.067, 0.781	0.013, 0.960	-0.098, 0.716	-0.534, 0.044*	0.031, 0.847	-0.177, 0.512

ESR1rs1514348	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.089, 0.502	-0.189, 0.106	-0.002, 0.987	-0.129, 0.212	-0.111, 0.282	0.136, 0.184	0.034, 0.587	0.058, 0.571
Interaction Model								
SNP Main Effect	-0.028, 0.889	-0.040, 0.824	-0.028, 0.845	-0.208, 0.187	-0.070, 0.656	0.139, 0.371	0.063, 0.506	-0.058, 0.715
SNP-by-CA Inter	-0.228, 0.527	-0.161, 0.614	-0.038, 0.881	0.199, 0.479	-0.245, 0.386	-0.026, 0.926	-0.152, 0.372	0.030, 0.915
SNP-by-AO Inter	-0.022, 0.942	-0.321, 0.234	0.097, 0.648	0.093, 0.694	0.024, 0.917	0.003, 0.990	0.015, 0.914	0.292, 0.219

ESR1rs1801132	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.151, 0.208	0.117, 0.277	0.069, 0.412	-0.070, 0.459	0.022, 0.820	0.127, 0.175	-0.012, 0.828	0.095, 0.314
Interaction Model								
SNP Main Effect	-0.148, 0.457	0.389, 0.029*	0.095, 0.497	-0.232, 0.141	0.037, 0.814	0.162, 0.297	-0.035, 0.710	-0.096, 0.538
SNP-by-CA Inter	0.246, 0.432	-0.338, 0.228	-0.091, 0.681	0.321, 0.194	0.106, 0.666	0.035, 0.886	-0.009, 0.952	0.136, 0.580
SNP-by-AO Inter	-0.202, 0.468	-0.490, 0.050	-0.008, 0.969	0.184, 0.404	-0.141, 0.521	-0.116, 0.594	0.088, 0.509	0.402, 0.068

ESR1rs1884051	n=206	n=207	n=207	n=206	n=207	n=207	n=207	n=207
Main Effects Model								
SNP Main Effect	-0.212, 0.091	-0.076, 0.485	0.062, 0.479	-0.108, 0.273	-0.048, 0.627	0.153, 0.123	-0.016, 0.782	0.137, 0.172
Interaction Model								
SNP Main Effect	-0.128, 0.526	-0.113, 0.525	0.071, 0.620	-0.198, 0.221	-0.027, 0.861	0.193, 0.230	-0.015, 0.884	0.125, 0.448
SNP-by-CA Inter	0.259, 0.430	0.105, 0.715	-0.095, 0.682	0.272, 0.293	0.322, 0.202	0.017, 0.946	0.923, 0.565	0.022, 0.933
SNP-by-AO Inter	-0.395, 0.164	0.019, 0.938	0.032, 0.871	0.036, 0.872	-0.291, 0.184	-0.113, 0.615	-0.065, 0.640	0.016, 0.945

ESR1rs2046210	n=212	n=213	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	-0.002, 0.987	-0.155, 0.160	0.045, 0.613	0.028, 0.773	0.060, 0.546	-0.008, 0.938	0.078, 0.191	0.124, 0.216
Interaction Model								
SNP Main Effect	-0.012, 0.953	0.014, 0.939	0.041, 0.775	-0.028, 0.859	0.021, 0.895	0.106, 0.503	0.043, 0.666	0.135, 0.404
SNP-by-CA Inter	0.216, 0.501	-0.371, 0.182	0.118, 0.597	0.239, 0.334	0.128, 0.610	-0.076, 0.759	-0.008, 0.957	0.106, 0.675
SNP-by-AO Inter	-0.138, 0.635	-0.152, 0.547	-0.069, 0.735	-0.046, 0.838	0.005, 0.984	-0.242, 0.282	0.094, 0.503	-0.141, 0.538

ESR1rs2071454	n=212	n=213	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	-0.125, 0.409	-0.039, 0.771	-0.075, 0.480	-0.178, 0.128	-0.030, 0.800	0.015, 0.901	0.038, 0.586	-0.041, 0.733
Interaction Model								

ESR1rs2813543	n=212	n=212	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	0.149, 0.250	0.163, 0.153	0.079, 0.374	0.109, 0.281	0.079, 0.445	-0.006, 0.952	-0.030, 0.631	0.009, 0.930
Interaction Model								
SNP Main Effect	-0.087, 0.688	-0.009, 0.961	0.135, 0.185	0.179, 0.293	-0.025, 0.887	-0.136, 0.416	-0.096, 0.356	0.158, 0.347
SNP-by-CA Inter	0.546, 0.103	0.112, 0.702	-0.287, 0.206	-0.054, 0.837	0.207, 0.440	0.195, 0.451	0.099, 0.535	-0.128, 0.621
SNP-by-AO Inter	0.231, 0.461	0.398, 0.146	-0.109, 0.609	-0.151, 0.538	0.129, 0.608	0.202, 0.406	0.107, 0.474	-0.314, 0.198

ESR1rs2813544	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	-0.072, 0.559	0.059, 0.588	-0.045, 0.603	-0.090, 0.349	0.034, 0.731	-0.113, 0.243	-0.013, 0.829	-0.045, 0.648
Interaction Model								
SNP Main Effect	-0.061, 0.759	-0.078, 0.653	-0.058, 0.680	-0.015, 0.925	0.199, 0.212	-0.085, 0.586	0.046, 0.630	-0.059, 0.710
SNP-by-CA Inter	0.343, 0.278	0.433, 0.116	0.090, 0.686	-0.004, 0.986	-0.263, 0.295	0.197, 0.422	0.063, 0.676	0.245, 326
SNP-by-AO Inter	-0.306, 0.286	0.032, 0.898	-0.024, 0.904	-0.195, 0.390	-0.286, 0.213	-0.209, 0.353	-0.273, 0.049*	-0.154, 0.498

ESR1rs2941740	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.073, 0.554	0.079, 0.475	-0.052, 0.544	-0.073, 0.451	-0.021, 0.828	-0.009, 0.926	-0.002, 0.975	-0.030, 0.759
Interaction Model								
SNP Main Effect	0.134, 0.513	0.063, 0.732	0.036, 0.799	-0.076, 0.638	0.003, 0.984	-0.318, 0.041*	-0.033, 0.726	-0.258, 0.105
SNP-by-CA Inter	-0.105, 0.753	0.010, 0.972	-0.262, 0.254	0.121, 0.638	0.130, 0.615	0.663, 0.008*	0.294, 0.053	0.554, 0.030*
SNP-by-AO Inter	-0.093, 0.744	0.036, 0.887	-0.069, 0.729	-0.065, 0.770	-0.150, 0.503	0.351, 0.103	-0.112, 0.395	0.210, 0.328

ESR1rs3020314	n=207	n=207	n=208	n=207	n=208	n=208	n=208	n=208
Main Effects Model								
SNP Main Effect	-0.270, 0.034*	-0.055, 0.627	0.011, 0.903	-0.137, 0.168	-0.155, 0.111	0.044, 0.652	-0.074, 0.232	0.115, 0.246
Interaction Model								
SNP Main Effect	-0.172, 0.405	0.011, 0.954	-0.008, 0.783	-0.256, 0.117	-0.226, 0.152	0.025, 0.879	-0.165, 0.100	0.044, 0.786
SNP-by-CA Inter	0.136, 0.695	-0.092, 0.766	-0.024, 0.918	0.212, 0.429	0.311, 0.234	-0.007, 0.979	0.119, 0.473	0.020, 0.941
SNP-by-AO Inter	-0.310, 0.279	-0.124, 0.625	0.127, 0.522	0.161, 0.474	-0.010, 0.963	0.049, 0.825	0.158, 0.252	0.167, 0.455

ESR1rs3778099	n=207	n=208	n=208	n=207	n=208	n=208	n=208	n=208
Main Effects Model								
SNP Main Effect	-0.008, 0.959	-0.139, 0.340	-0.084, 0.457	-0.003, 0.979	0.031, 0.811	0.077, 0.540	0.004, 0.957	-0.021, 0.868
Interaction Model								
SNP Main Effect	0.256, 0.288	-0.006, 0.977	0.005, 0.976	0.128, 0.497	-0.001, 1.000	0.181, 0.333	0.032, 0.777	0.042, 0.827
SNP-by-CA Inter	-0.207, 0.649	-0.060, 0.881	-0.217, 0.487	-0.077, 0.829	0.090, 0.801	-0.039, 0.911	-0.117, 0.589	-0.083, 0.818
SNP-by-AO Inter	-0.690, 0.064	-0.491, 0.133	-0.117, 0.646	-0.323, 0.268	0.035, 0.906	-0.279, 0.334	-0.015, 0.933	-0.116, 0.694

ESR1rs3798577	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.042, 0.745	-0.215, 0.056	0.133, 0.137	-0.127, 0.207	-0.149, 0.137	0.117, 0.237	0.083, 0.173	0.078, 0.434
Interaction Model								

Table (columns 1–8)

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8
SNP Main Effect	-0.074, 0.716	-0.138, 0.443	<0.001, 0.997	-0.230, 0.157	-0.306, 0.054	0.044, 0.781	0.153, 0.117	0.058, 0.720
SNP-by-CA Inter	-0.220, 0.495	-0.089, 0.753	0.226, 0.312	0.061, 0.809	0.397, 0.110	0.085, 0.731	-0.170, 0.264	-0.027, 0.915
SNP-by-AO Inter	0.295, 0.331	-0.156, 0.559	0.200, 0.346	0.231, 0.333	0.152, 0.517	0.137, 0.562	-0.060, 0.676	0.071, 0.766
ESR1rs488133	n=208	n=208	n=209	n=208	n=209	n=209	n=209	n=209
Main Effects Model								
SNP Main Effect	-0.038, 0.756	-0.005, 0.963	0.207, 0.015*	0.103, 0.279	0.275, 0.004*	0.143, 0.130	0.117, 0.052	0.277, 0.003*
Interaction Model								
SNP Main Effect	-0.178, 0.378	-0.327, 0.058	0.329, 0.018*	0.279, 0.073	0.182, 0.246	0.365, 0.018*	0.241, 0.012*	0.516, 0.001*
SNP-by-CA Inter	0.343, 0.292	0.200, 0.472	-0.122, 0.581	-0.228, 0.358	0.060, 0.811	-0.198, 0.422	-0.095, 0.535	-0.133, 0.584
SNP-by-AO Inter	0.149, 0.602	0.718, 0.003*	-0.232, 0.234	-0.309, 0.158	0.218, 0.324	-0.425, 0.051	-0.288, 0.034*	-0.544, 0.011*
ESR1rs532010	n=211	n=212	n=212	n=211	n=212	n=212	n=212	n=212
Main Effects Model								
SNP Main Effect	-0.080, 0.546	0.062, 0.591	-0.121, 0.185	-0.073, 0.479	-0.164, 0.121	-0.085, 0.406	-0.054, 0.392	-0.187, 0.073
Interaction Model								
SNP Main Effect	-0.047, 0.815	0.207, 0.237	-0.250, 0.067	-0.163, 0.292	-0.076, 0.635	-0.169, 0.275	-0.098, 0.304	-0.287, 0.067
SNP-by-CA Inter	-0.159, 0.628	-0.190, 0.506	0.420, 0.059	0.116, 0.646	-0.072, 0.782	0.159, 0.527	0.107, 0.491	0.119, 0.640
SNP-by-AO Inter	0.047, 0.884	-0.285, 0.311	0.043, 0.843	0.182, 0.462	-0.240, 0.349	0.119, 0.631	0.044, 0.775	0.217, 0.387
ESR1rs6557171	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.234, 0.047*	0.014, 0.898	-0.020, 0.817	-0.273, 0.003*	-0.162, 0.082	-0.091, 0.328	-0.029, 0.616	-0.044, 0.644
Interaction Model								
SNP Main Effect	-0.314, 0.107	0.060, 0.736	-0.043, 0.754	-0.456, 0.003*	-0.167, 0.275	-0.081, 0.599	0.007, 0.940	-0.097, 0.532
SNP-by-CA Inter	0.202, 0.508	0.021, 0.939	-0.006, 0.977	0.322, 0.173	0.073, 0.760	-0.002, 0.993	-0.161, 0.264	-0.109, 0.653
SNP-by-AO Inter	0.072, 0.793	-0.152, 0.541	0.064, 0.741	0.242, 0.252	-0.044, 0.839	-0.025, 0.907	0.031, 0.808	0.228, 0.297
ESR1rs77275268	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	0.024, 0.881	-0.141, 0.329	-0.072, 0.532	-0.005, 0.970	-0.208, 0.107	-0.209, 0.098	0.079, 0.295	0.041, 0.751
Interaction Model								
SNP Main Effect	-0.054, 0.850	0.023, 0.926	-0.214, 0.289	0.131, 0.553	-0.050, 0.824	-0.461, 0.035*	-0.032, 0.801	-0.025, 0.914
SNP-by-CA Inter	0.400, 0.426	0.194, 0.660	0.012, 0.973	0.263, 0.496	0.109, 0.782	-0.051, 0.895	0.043, 0.847	-0.031, 0.938
SNP-by-AO Inter	-0.004, 0.992	-0.377, 0.247	0.269, 0.303	-0.338, 0.236	-0.376, 0.198	0.480, 0.089	0.223, 0.175	0.149, 0.611
ESR1rs7761133	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	0.044, 0.743	<0.001, 0.999	-0.129, 0.170	-0.002, 0.984	0.021, 0.843	-0.057, 0.585	-0.006, 0.924	-0.102, 0.332
Interaction Model								
SNP Main Effect	0.082, 0.690	0.033, 0.856	-0.210, 0.140	-0.101, 0.529	0.065, 0.687	0.163, 0.306	-0.074, 0.449	-0.014, 0.929
SNP-by-CA Inter	0.008, 0.981	-0.022, 0.942	0.166, 0.481	0.195, 0.465	0.042, 0.875	-0.337, 0.203	0.031, 0.851	-0.090, 0.730
SNP-by-AO Inter	-0.139, 0.658	-0.084, 0.766	0.112, 0.606	0.140, 0.571	-0.183, 0.464	-0.362, 0.139	0.190, 0.208	-0.178, 0.461
ESR1rs7761846	n=203	n=203	n=204	n=203	n=204	n=204	n=204	n=204
Main Effects Model								
SNP Main Effect	-0.299, 0.144	-0.158, 0.389	-0.388, 0.005*	-0.316, 0.050	-0.174, 0.284	-0.269, 0.086	-0.148, 0.124	-0.351, 0.022*
Interaction Model								
SNP Main Effect	-0.301, 0.337	0.045, 0.869	-0.344, 0.102	-0.159, 0.530	-0.139, 0.575	-0.254, 0.289	-0.295, 0.041*	-0.274, 0.239
SNP-by-CA Inter	-0.095, 0.840	-0.358, 0.407	0.149, 0.635	-0.233, 0.529	-0.018, 0.963	-0.027, 0.941	0.152, 0.482	-0.140, 0.689
SNP-by-AO Inter	0.097, 0.851	-0.299, 0.510	-0.314, 0.363	-0.373, 0.355	-0.131, 0.749	-0.017, 0.965	0.404, 0.090	-0.122, 0.751
ESR1rs7766585	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.104, 0.435	-0.187, 0.122	-0.076, 0.423	-0.052, 0.623	-0.012, 0.913	-0.003, 0.975	0.007, 0.913	-0.009, 0.935
Interaction Model								
SNP Main Effect	-0.020, 0.921	-0.054, 0.770	-0.176, 0.225	-0.009, 0.954	-0.072, 0.660	0.002, 0.988	-0.015, 0.882	-0.104, 0.524
SNP-by-CA Inter	0.124, 0.741	-0.068, 0.841	0.063, 0.814	0.246, 0.403	0.066, 0.825	-0.055, 0.851	0.082, 0.653	0.304, 0.312
SNP-by-AO Inter	-0.288, 0.337	-0.343, 0.208	0.219, 0.305	-0.255, 0.280	0.131, 0.584	0.012, 0.959	-0.001, 0.997	0.066, 0.784
ESR1rs7767143	n=213	n=213	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	-0.008, 0.947	-0.001, 0.994	-0.148, 0.080	-0.042, 0.660	-0.003, 0.978	-0.132, 0.164	-0.067, 0.252	-0.012, 0.901
Interaction Model								
SNP Main Effect	0.012, 0.951	0.275, 0.122	-0.224, 0.099	-0.106, 0.497	0.111, 0.480	0.166, 0.273	-0.194, 0.038*	0.128, 0.407
SNP-by-CA Inter	-0.076, 0.814	-0.322, 0.265	0.219, 0.318	0.153, 0.541	-0.167, 0.514	-0.499, 0.042*	0.088, 0.558	-0.247, 0.323
SNP-by-AO Inter	-0.010, 0.972	-0.523, 0.039*	0.061, 0.750	0.059, 0.790	-0.203, 0.365	-0.419, 0.051	0.310, 0.020*	-0.187, 0.394
ESR1rs827421	n=211	n=211	n=212, 211	n=211	n=212	n=212	n=212	n=212
Main Effects Model								
SNP Main Effect	-0.053, 0.700	0.053, 0.662	0.178, 0.062	0.017, 0.879	0.094, 0.397	0.045, 0.676	-0.019, 0.764	0.046, 0.673
Interaction Model								
SNP Main Effect	-0.233, 0.297	-0.099, 0.617	0.323, 0.035*	0.214, 0.228	0.046, 0.796	0.173, 0.318	-0.011, 0.919	-0.062, 0.724
SNP-by-CA Inter	0.372, 0.319	-0.021, 0.949	-0.159, 0.531	-0.484, 0.099	-0.097, 0.744	-0.114, 0.693	0.259, 0.134	0.379, 0.199
SNP-by-AO Inter	0.249, 0.430	0.422, 0.132	-0.251, 0.244	-0.165, 0.507	0.224, 0.376	-0.257, 0.295	-0.167, 0.255	0.034, 0.890
ESR1rs851967	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	0.004, 0.973	0.005, 0.966	-0.102, 0.222	-0.153, 0.099	0.063, 0.508	-0.009, 0.919	-0.068, 0.230	-0.099, 0.291
Interaction Model								
SNP Main Effect	0.024, 0.905	-0.166, 0.345	-0.107, 0.443	-0.075, 0.629	0.073, 0.644	-0.073, 0.632	0.035, 0.717	-0.225, 0.151
SNP-by-CA Inter	-0.056, 0.858	0.207, 0.458	-0.070, 0.749	0.026, 0.914	-0.133, 0.596	0.182, 0.453	-0.067, 0.656	0.274, 0.268
SNP-by-AO Inter	-0.008, 0.977	0.313, 0.208	0.055, 0.781	-0.220, 0.312	0.069, 0.757	0.045, 0.836	-0.230, 0.090	0.128, 0.563
ESR1rs851971	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	-0.019, 0.874	-0.005, 0.963	-0.087, 0.296	-0.144, 0.115	0.055, 0.561	-0.027, 0.771	-0.073, 0.187	-0.089, 0.346
Interaction Model								
SNP Main Effect	-0.007, 0.970	-0.163, 0.359	-0.103, 0.459	-0.069, 0.651	0.084, 0.595	-0.115, 0.456	0.025, 0.795	-0.213, 0.176
SNP-by-CA Inter	-0.110, 0.726	0.202, 0.477	-0.024, 0.912	0.018, 0.940	-0.167, 0.504	0.200, 0.412	-0.077, 0.609	0.271, 0.277
SNP-by-AO Inter	0.042, 0.880	0.289, 0.252	0.055, 0.780	-0.214, 0.319	0.045, 0.840	0.091, 0.678	-0.212, 0.116	0.127, 0.569
ESR1rs851982	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	0.021, 0.865	0.151, 0.166	-0.027, 0.754	-0.050, 0.602	-0.013, 0.891	-0.059, 0.534	-0.025, 0.661	-0.009, 0.929
Interaction Model								
SNP Main Effect	0.068, 0.736	0.145, 0.422	0.044, 0.759	-0.076, 0.632	-0.012, 0.940	-0.242, 0.123	-0.010, 0.919	-0.203, 0.202
SNP-by-CA Inter	-0.034, 0.919	-0.025, 0.933	-0.234, 0.312	0.270, 0.294	0.066, 0.801	0.377, 0.140	0.218, 0.159	0.442, 0.089
SNP-by-AO Inter	-0.100, 0.722	0.038, 0.880	-0.042, 0.832	-0.099, 0.650	-0.047, 0.834	0.215, 0.320	-0.199, 0.130	0.198, 0.369
ESR1rs851998	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	-0.001, 0.991	-0.015, 0.887	-0.088, 0.287	-0.156, 0.086	0.055, 0.554	-0.013, 0.884	-0.061, 0.268	-0.087, 0.348
Interaction Model								
SNP Main Effect	<0.001, 1.000	-0.196, 0.267	-0.091, 0.509	-0.084, 0.582	0.065, 0.678	-0.102, 0.504	0.030, 0.748	-0.199, 0.199
SNP-by-CA Inter	-0.052, 0.867	0.239, 0.394	-0.071, 0.744	0.032, 0.894	-0.129, 0.600	0.220, 0.360	-0.056, 0.708	0.265, 0.278
SNP-by-AO Inter	0.028, 0.919	0.316, 0.206	0.051, 0.793	-0.213, 0.321	0.070, 0.752	0.078, 0.715	-0.209, 0.116	0.095, 0.663
ESR1rs910416	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.094, 0.489	-0.067, 0.582	0.128, 0.175	0.008, 0.943	0.007, 0.946	0.242, 0.020*	0.001, 0.989	0.070, 0.509
Interaction Model								
SNP Main Effect	-0.084, 0.703	-0.300, 0.121	0.102, 0.509	0.174, 0.323	0.062, 0.723	0.178, 0.288	-0.072, 0.481	0.442, 0.011*
SNP-by-CA Inter	0.176, 0.626	0.085, 0.785	-0.020, 0.934	-0.323, 0.247	-0.028, 0.920	-0.227, 0.398	0.104, 0.529	-0.617, 0.026*
SNP-by-AO Inter	0.351, 0.255	0.589, 0.030*	0.075, 0.729	-0.197, 0.420	-0.125, 0.610	0.286, 0.224	0.111, 0.439	-0.494, 0.042*
ESR1rs9322331	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	-0.105, 0.398	-0.074, 0.516	0.295, 0.777	-0.129, 0.188	-0.111, 0.265	0.036, 0.715	0.052, 0.383	-0.006, 0.955
Interaction Model								
SNP Main Effect	-0.064, 0.744	0.015, 0.934	-0.094, 0.501	-0.205, 0.187	0.071, 0.646	-0.086, 0.576	0.039, 0.682	-0.074, 0.639
SNP-by-CA Inter	-0.019, 0.952	0.107, 0.705	0.260, 0.243	0.152, 0.539	-0.110, 0.657	0.176, 0.476	-0.020, 0.896	-0.028, 0.912
SNP-by-AO Inter	-0.117, 0.692	-0.383, 0.151	0.122, 0.561	0.091, 0.697	-0.475, 0.044*	0.213, 0.361	0.053, 0.712	0.227, 0.340
ESR1rs9340799	n=212	n=213	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	-0.064, 0.618	-0.115, 0.296	0.016, 0.857	-0.107, 0.280	-0.122, 0.228	0.050, 0.612	0.038, 0.530	-0.003, 0.975
Interaction Model								
SNP Main Effect	0.054, 0.784	-0.158, 0.355	-0.081, 0.564	-0.244, 0.111	0.071, 0.646	-0.013, 0.932	0.024, 0.795	-0.049, 0.753
SNP-by-CA Inter	-0.186, 0.565	0.209, 0.449	0.264, 0.245	0.281, 0.257	-0.146, 0.564	0.078, 0.754	0.009, 0.951	-0.048, 0.850
SNP-by-AO Inter	-0.217, 0.476	-0.054, 0.835	0.057, 0.790	0.154, 0.512	-0.489, 0.043*	0.123, 0.604	0.033, 0.820	0.188, 0.439
ESR1rs9383938	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	0.023, 0.889	-0.074, 0.611	-0.094, 0.411	0.060, 0.634	-0.147, 0.248	-0.302, 0.015*	-0.026, 0.735	-0.047, 0.711
Interaction Model								
SNP Main Effect	-0.077, 0.767	-0.025, 0.912	-0.207, 0.256	0.122, 0.543	-0.075, 0.709	-0.458, 0.020*	-0.147, 0.225	-0.095, 0.639
SNP-by-CA Inter	0.435, 0.373	0.236, 0.585	-0.014, 0.966	0.252, 0.503	0.138, 0.717	-0.053, 0.885	0.084, 0.713	0.046, 0.903
SNP-by-AO Inter	0.031, 0.931	-0.209, 0.511	0.236, 0.327	-0.229, 0.409	-0.277, 0.322	0.329, 0.224	0.257, 0.126	0.098, 0.727
ESR1rs9397435	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.028, 0.866	-0.195, 0.190	-0.091, 0.44	0.036, 0.786	-0.180, 0.174	-0.257, 0.048*	0.096, 0.212	0.005, 0.969
Interaction Model								
SNP Main Effect	-0.054, 0.850	0.038, 0.880	-0.218, 0.279	0.140, 0.528	-0.038, 0.866	-0.466, 0.033*	-0.039, 0.761	-0.048, 0.831
SNP-by-CA Inter	0.417, 0.407	0.175, 0.690	0.004, 0.990	0.247, 0.527	0.096, 0.808	-0.035, 0.926	0.047, 0.834	-0.001, 0.998
SNP-by-AO Inter	-0.025, 0.947	-0.539, 0.107	0.260, 0.334	-0.304, 0.306	-0.375, 0.213	0.424, 0.145	0.271, 0.112	0.113, 0.707
ESR1rs9397456	n=202	n=202	n=203	n=202	n=203	n=203	n=203	n=203
Main Effects Model								
SNP Main Effect	-0.169, 0.181	0.131, 0.270	0.051, 0.573	-0.045, 0.658	0.003, 0.976	0.095, 0.346	-0.023, 0.705	0.131, 0.206
Interaction Model								
SNP Main Effect	-0.126, 0.540	0.381, 0.049*	0.061, 0.681	-0.200, 0.223	-0.010, 0.952	0.097, 0.554	-0.039, 0.699	-0.071, 0.669
SNP-by-CA Inter	0.118, 0.721	-0.310, 0.313	-0.035, 0.881	0.281, 0.283	0.135, 0.616	0.086, 0.740	-0.021, 0.898	0.118, 0.658
SNP-by-AO Inter	-0.224, 0.446	-0.481, 0.080	-0.003, 0.987	0.217, 0.353	-0.048, 0.840	-0.070, 0.763	0.072, 0.616	0.470, 0.048*
ESR1rs985694	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.353, 0.003*	-0.051, 0.647	-0.062, 0.471	-0.140, 0.144	0.022, 0.818	-0.003, 0.978	-0.090, 0.135	0.021, 0.828
Interaction Model								
SNP Main Effect	-0.262, 0.167	-0.119, 0.510	-0.013, 0.927	-0.360, 0.019*	0.002, 0.989	0.080, 0.606	-0.033, 0.740	0.026, 0.871
SNP-by-CA Inter	0.263, 0.392	0.157, 0.590	-0.230, 0.310	0.558, 0.024*	0.124, 0.625	-0.026, 0.919	0.011, 0.947	0.065, 0.798
SNP-by-AO Inter	-0.419, 0.122	0.069, 0.788	0.011, 0.956	0.197, 0.365	-0.044, 0.845	-0.181, 0.413	-0.188, 0.182	-0.058, 0.797
CCDC170rs1038304	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.059, 0.663	0.003, 0.982	0.054, 0.570	0.028, 0.793	-0.067, 0.527	0.008, 0.941	-0.087, 0.165	-0.039, 0.716
Interaction Model								
SNP Main Effect	0.215, 0.319	0.012, 0.953	0.027, 0.860	0.226, 0.188	0.081, 0.635	-0.070, 0.683	-0.104, 0.306	-0.149, 0.386
SNP-by-CA Inter	-0.311, 0.383	0.235, 0.471	-0.057, 0.824	-0.197, 0.486	-0.223, 0.428	-0.035, 0.903	0.028, 0.866	-0.035, 0.903
SNP-by-AO Inter	-0.519, 0.085	-0.170, 0.537	0.085, 0.694	-0.372, 0.120	-0.287, 0.228	0.210, 0.382	0.029, 0.841	0.320, 0.182
CCDC170rs12662670	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	-0.005, 0.979	-0.363, 0.016*	0.014, 0.910	-0.080, 0.551	-0.164, 0.232	-0.229, 0.087	0.131, 0.093	0.070, 0.608
Interaction Model								
SNP Main Effect	-0.283, 0.339	-0.314, 0.226	-0.086, 0.679	-0.184, 0.426	-0.207, 0.377	-0.435, 0.058	0.089, 0.497	0.016, 0.945
SNP-by-CA Inter	0.613, 0.232	-0.167, 0.709	0.441, 0.223	0.281, 0.483	0.432, 0.288	0.117, 0.767	0.132, 0.564	0.129, 0.751
SNP-by-AO Inter	0.340, 0.385	-0.036, 0.915	0.065, 0.814	0.091, 0.767	-0.068, 0.825	0.390, 0.197	0.071, 0.685	0.068, 0.827
CCDC170rs3734805	n=212	n=212	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	0.057, 0.735	-0.304, 0.042*	-0.001, 0.992	-0.021, 0.876	-0.181, 0.184	-0.201, 0.125	0.106, 0.174	0.039, 0.766
Interaction Model								
SNP Main Effect	-0.085, 0.767	0.025, 0.922	-0.189, 0.347	0.108, 0.630	-0.040, 0.861	-0.455, 0.040*	-0.032, 0.801	-0.023, 0.920
SNP-by-CA Inter	0.447, 0.381	-0.541, 0.233	0.503, 0.159	0.023, 0.954	0.230, 0.574	0.093, 0.811	0.259, 0.256	0.167, 0.677
SNP-by-AO Inter	0.084, 0.826	-0.461, 0.178	0.230, 0.393	-0.259, 0.390	-0.406, 0.190	0.474, 0.109	0.242, 0.160	0.074, 0.807
CCDC170rs3757318	n=212	n=212	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	-0.029, 0.876	-0.334, 0.042*	-0.089, 0.495	0.002, 0.987	-0.115, 0.440	-0.295, 0.043*	0.107, 0.217	-0.005, 0.975
Interaction Model								
SNP Main Effect	-0.218, 0.491	-0.199, 0.471	-0.400, 0.063	0.133, 0.589	-0.237, 0.340	-0.558, 0.022*	-0.052, 0.707	-0.129, 0.597
SNP-by-CA Inter	0.715, 0.210	-0.070, 0.889	0.972, 0.012*	0.060, 0.893	0.699, 0.120	0.475, 0.278	0.521, 0.036*	0.279, 0.527
SNP-by-AO Inter	0.053, 0.902	-0.241, 0.520	0.377, 0.196	-0.268, 0.424	-0.053, 0.876	0.387, 0.243	0.195, 0.297	0.167, 0.615
CCDC170rs6929137	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	-0.040, 0.747	-0.322, 0.003*	0.050, 0.566	-0.029, 0.764	-0.061, 0.535	-0.004, 0.969	0.084, 0.162	0.051, 0.596
Interaction Model								
SNP Main Effect	0.099, 0.623	-0.122, 0.479	0.054, 0.697	-0.110, 0.487	-0.081, 0.611	0.046, 0.765	-0.008, 0.932	0.045, 0.772
SNP-by-CA Inter	-0.094, 0.767	-0.428, 0.119	0.033, 0.879	0.217, 0.382	0.031, 0.902	-0.056, 0.816	0.073, 0.624	0.001, 0.997
SNP-by-AO Inter	-0.301, 0.285	-0.201, 0.405	-0.032, 0.871	0.048, 0.828	0.037, 0.869	-0.087, 0.688	0.208, 0.119	0.016, 0.940
GRB7rs9910678	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	0.046, 0.817	-0.094, 0.614	-0.119, 0.404	-0.077, 0.627	-0.031, 0.843	-0.145, 0.355	-0.116, 0.222	-0.429, 0.007*
Interaction Model								
SNP Main Effect	0.162, 0.651	-0.560, 0.085	-0.138, 0.586	0.142, 0.614	-0.009, 0.975	0.143, 0.609	-0.222, 0.194	-0.558, 0.051
SNP-by-CA Inter	-0.482, 0.359	0.491, 0.322	-0.260, 0.482	-0.409, 0.323	-0.334, 0.420	-0.318, 0.438	0.219, 0.382	0.247, 0.554
SNP-by-AO Inter	0.015, 0.976	0.869, 0.048*	0.248, 0.467	-0.235, 0.537	0.194, 0.611	-0.495, 0.190	0.055, 0.811	0.090, 0.814
GSTM1rs1065411	n=208	n=208	n=209	n=208	n=209	n=209	n=209	n=209
Main Effects Model								
SNP Main Effect	0.140, 0.264	<0.001, 1.000	-0.101, 0.246	-0.131, 0.172	-0.099, 0.318	0.006, 0.948	-0.048, 0.420	-0.064, 0.511
Interaction Model								
SNP Main Effect	0.218, 0.283	-0.100, 0.581	-0.211, 0.141	-0.275, 0.080	-0.239, 0.140	-0.094, 0.557	0.054, 0.582	-0.069, 0.666
SNP-by-CA Inter	0.129, 0.689	0.217, 0.451	0.222, 0.324	0.301, 0.221	0.312, 0.221	0.249, 0.322	-0.105, 0.500	0.233, 0.354
SNP-by-AO Inter	-0.324, 0.264	0.110, 0.670	0.128, 0.531	0.166, 0.456	0.178, 0.442	0.087, 0.704	-0.231, 0.102	-0.183, 0.422
GSTM1rs412543	n=215	n=215	n=216	n=216	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	-0.058, 0.718	0.012, 0.934	-0.291, 0.009*	-0.124, 0.326	-0.039, 0.763	-0.086, 0.495	-0.188, 0.013*	-0.388, 0.002*
Interaction Model								
SNP Main Effect	0.184, 0.459	-0.041, 0.857	-0.565, 0.001*	-0.220, 0.265	-0.245, 0.230	-0.470, 0.017*	-0.256, 0.032*	-0.901, <0.001*
SNP-by-CA Inter	-0.701, 0.074	0.201, 0.578	0.382, 0.158	0.273, 0.380	0.344, 0.285	0.624, 0.043*	0.126, 0.502	1.012, 0.001*
SNP-by-AO Inter	-0.190, 0.620	-0.055, 0.876	0.513, 0.053	0.031, 0.920	0.313, 0.321	0.640, 0.034*	0.084, 0.645	0.473, 0.116
NFE2L2rs35652124	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.063, 0.600	-0.017, 0.876	-0.016, 0.852	-0.280, 0.002*	0.022, 0.814	-0.073, 0.437	0.029, 0.619	0.061, 0.516
Interaction Model								
SNP Main Effect	-0.027, 0.889	-0.264, 0.129	0.172, 0.207	-0.276, 0.066	-0.023, 0.881	-0.248, 0.105	0.038, 0.686	0.255, 0.098
SNP-by-CA Inter	0.150, 0.624	0.371, 0.180	-0.389, 0.072	0.221, 0.347	-0.026, 0.916	0.304, 0.207	-0.075, 0.615	-0.358, 0.142
SNP-by-AO Inter	-0.204, 0.458	0.408, 0.099	-0.235, 0.226	-0.160, 0.450	0.148, 0.497	0.242, 0.262	0.039, 0.772	-0.244, 0.265
NFE2L2rs6721961	n=211	n=212	n=212	n=211	n=211	n=212	n=212	n=212
Main Effects Model								
SNP Main Effect	0.205, 0.183	-0.121, 0.375	-0.081, 0.456	0.194, 0.106	0.063, 0.613	0.097, 0.424	0.078, 0.274	0.082, 0.506
Interaction Model								
SNP Main Effect	0.310, 0.191	-0.014, 0.946	-0.124, 0.459	0.325, 0.077	0.126, 0.504	0.344, 0.063	0.089, 0.415	0.140, 0.459
SNP-by-CA Inter	-0.090, 0.832	0.165, 0.661	-0.005, 0.988	-0.018, 0.956	-0.139, 0.683	-0.466, 0.162	-0.139, 0.336	-0.246, 0.470
SNP-by-AO Inter	-0.230, 0.498	-0.397, 0.187	0.103, 0.667	-0.303, 0.251	-0.085, 0.754	-0.399, 0.134	0.078, 0.621	-0.031, 0.909
MELKrs10973007	n=208	n=209	n=209	n=208	n=209	n=209	n=209	n=209
Main Effects Model								
SNP Main Effect	0.047, 0.717	-0.145, 0.190	0.126, 0.160	0.073, 0.465	0.038, 0.716	0.035, 0.724	0.030, 0.639	0.056, 0.591
Interaction Model								
SNP Main Effect	-0.117, 0.580	0.080, 0.659	-0.215, 0.138	0.085, 0.614	0.123, 0.474	-0.092, 0.572	-0.002, 0.982	-0.131, 0.442
SNP-by-CA Inter	0.067, 0.847	-0.112, 0.701	0.601, 0.010*	-0.028, 0.917	-0.290, 0.292	-0.165, 0.526	-0.282, 0.074	0.028, 0.919
SNP-by-AO Inter	0.386, 0.190	-0.504, 0.046*	0.462, 0.022*	-0.010, 0.964	-0.047, 0.843	0.388, 0.085	0.263, 0.054	0.433, 0.066
MELKrs2250340	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.052, 0.764	0.058, 0.705	0.021, 0.865	-0.087, 0.522	0.023, 0.867	0.086, 0.521	0.034, 0.672	-0.085, 0.532
Interaction Model								
SNP Main Effect	-0.168, 0.471	0.001, 0.997	-0.069, 0.671	0.013, 0.945	-0.153, 0.403	0.002, 0.990	-0.067, 0.533	-0.003, 0.988
SNP-by-CA Inter	0.867, 0.069	-0.048, 0.911	0.935, 0.005*	-0.184, 0.626	0.751, 0.045	0.431, 0.247	0.413, 0.063	0.604, 0.101
SNP-by-AO Inter	0.254, 0.524	0.354, 0.329	-0.182, 0.512	-0.191, 0.545	0.101, 0.747	<0.001, 1.000	0.069, 0.711	-0.765, 0.014*
MELKrs3780350	n=212	n=213	n=213	n=212	n=212	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	-0.048, 0.725	-0.062, 0.599	-0.170, 0.069	-0.023, 0.826	0.023, 0.832	-0.134, 0.201	-0.018, 0.781	0.001, 0.991
Interaction Model								

SNP Main Effect	-0.048, 0.838	-0.260, 0.211	-0.214, 0.188	-0.306, 0.097	-0.056, 0.767	-0.112, 0.542	-0.024, 0.829	-0.142, 0.450
SNP-by-CA Inter	0.180, 0.620	0.216, 0.496	0.096, 0.698	0.515, 0.067	0.303, 0.296	0.250, 0.372	0.075, 0.658	0.197, 0.495
SNP-by-AO Inter	-0.101, 0.747	0.322, 0.243	0.045, 0.833	0.282, 0.247	-0.002, 0.995	-0.182, 0.453	-0.043, 0.769	0.214, 0.392
MKI67rs10732438	n=210	n=210	n=211	n=211	n=211	n=211	n=211	n=211
Main Effects Model								
SNP Main Effect	-0.030, 0.809	-0.045, 0.679	0.074, 0.393	-0.264, 0.007*	-0.194, 0.047*	0.008, 0.930	-0.038, 0.513	-0.095, 0.330
Interaction Model								
SNP Main Effect	-0.080, 0.699	-0.068, 0.703	0.111, 0.436	-0.371, 0.022*	-0.186, 0.247	0.044, 0.782	-0.080, 0.406	-0.044, 0.786
SNP-by-CA Inter	0.037, 0.907	0.290, 0.295	0.129, 0.559	0.147, 0.555	0.068, 0.785	-0.207, 0.402	0.009, 0.951	-0.022, 0.929
SNP-by-AO Inter	0.108, 0.713	-0.186, 0.464	-0.184, 0.365	0.179, 0.435	-0.062, 0.787	0.050, 0.825	0.111, 0.419	-0.123, 0.594
MKI67rs1064751	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.063, 0.597	-0.079, 0.458	-0.017, 0.841	0.037, 0.697	0.046, 0.627	-0.007, 0.940	0.001, 0.984	-0.048, 0.607
Interaction Model								
SNP Main Effect	0.065, 0.743	-0.220, 0.214	-0.086, 0.540	0.142, 0.360	0.041, 0.793	0.140, 0.364	0.075, 0.429	0.140, 0.368
SNP-by-CA Inter	0.173, 0.579	0.223, 0.421	0.087, 0.692	0.099, 0.682	-0.150, 0.541	-0.262, 0.278	-0.141, 0.342	-0.297, 0.223
SNP-by-AO Inter	-0.136, 0.623	0.215, 0.381	0.115, 0.555	-0.331, 0.124	0.120, 0.580	-0.199, 0.356	-0.098, 0.456	-0.273, 0.208
MMP11rs131451	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	0.057, 0.699	-0.060, 0.650	-0.074, 0.480	0.140, 0.228	-0.045, 0.699	-0.125, 0.274	-0.006, 0.935	0.047, 0.689
Interaction Model								
SNP Main Effect	0.033, 0.886	-0.157, 0.451	-0.124, 0.449	0.238, 0.189	-0.042, 0.819	-0.237, 0.185	-0.077, 0.498	-0.029, 0.874
SNP-by-CA Inter	0.010, 0.979	0.121, 0.727	-0.057, 0.835	-0.025, 0.932	-0.126, 0.680	0.041, 0.889	-0.012, 0.951	-0.076, 0.801
SNP-by-AO Inter	0.056, 0.870	0.210, 0.494	0.168, 0.487	-0.240, 0.368	0.099, 0.715	0.261, 0.319	0.191, 0.254	0.267, 0.317
MYBL2rs11556379	n=219	n=219	n=220, 219	n=219, 218	n=220, 219	n=220, 219	n=220, 219	n=220, 219
Main Effects Model								
SNP Main Effect	0.027, 0.897	-0.081, 0.655	0.089, 0.532	0.422, 0.008*	0.145, 0.365	0.125, 0.427	0.125, 0.195	-0.016, 0.921
Interaction Model								
SNP Main Effect	-0.208, 0.467	-0.436, 0.082	0.503, 0.010*	0.300, 0.173	0.149, 0.507	0.417, 0.057	0.217, 0.119	0.218, 0.324
SNP-by-CA Inter	0.172, 0.853	1.407, 0.083	-1.568, 0.010*	0.568, 0.510ª	-0.243, 0.781ª	0.500, 0.463ª	-0.109, 0.875ª	0.306, 0.696ª
SNP-by-AO Inter	0.524, 0.214	0.695, 0.060	-0.711, 0.014*	0.193, 0.552	0.030, 0.927	-0.581, 0.072	-0.170, 0.407	-0.551, 0.092
MYBL2rs2070235	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.311, 0.045*	0.023, 0.872	0.093, 0.401	0.076, 0.537	-0.099, 0.419	-0.356, 0.003*	-0.156, 0.035*	-0.411, 0.001*
Interaction Model								
SNP Main Effect	0.394, 0.101	0.031, 0.886	0.036, 0.832	0.238, 0.214	-0.062, 0.747	-0.602, 0.001*	-0.163, 0.155	-0.663, <0.001*
SNP-by-CA Inter	-0.305, 0.412	-0.191, 0.572	0.056, 0.830	-0.421, 0.156	-0.086, 0.772	0.239, 0.399	0.029, 0.871	0.407, 0.156
SNP-by-AO Inter	0.107, 0.778	0.307, 0.365	0.128, 0.632	-0.081, 0.788	-0.036, 0.904	0.556, 0.055	-0.012, 0.948	0.377, 0.196

MYBL2rs619289	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	0.056, 0.664	0.077, 0.508	0.097, 0.278	-0.028, 0.781	-0.034, 0.736	-0.214, 0.031*	-0.051, 0.392	-0.222, 0.028*
Interaction Model								
SNP Main Effect	0.204, 0.325	0.033, 0.857	0.178, 0.219	0.109, 0.498	-0.009, 0.955	-0.250, 0.116	-0.039, 0.689	-0.227, 0.160
SNP-by-CA Inter	-0.201, 0.548	-0.023, 0.939	-0.031, 0.894	-0.293, 0.258	0.065, 0.806	0.001, 0.998	0.019, 0.906	-0.110, 0.670
SNP-by-AO Inter	-0.257, 0.380	0.147, 0.573	-0.188, 0.359	-0.159, 0.484	-0.125, 0.589	0.090, 0.688	-0.056, 0.686	0.107, 0.639
MYBL2rs826943	n=212	n=212	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	-0.023, 0.868	0.014, 0.907	0.130, 0.180	-0.114, 0.296	-0.030, 0.785	-0.099, 0.360	0.059, 0.371	-0.067, 0.532
Interaction Model								
SNP Main Effect	0.002, 0.991	0.016, 0.933	0.255, 0.095	-0.046, 0.788	-0.018, 0.920	-0.132, 0.437	0.026, 0.802	0.011, 0.947
SNP-by-CA Inter	0.117, 0.753	-0.014, 0.967	-0.136, 0.595	-0.124, 0.668	0.121, 0.683	-0.050, 0.861	0.131, 0.462	-0.123, 0.668
SNP-by-AO Inter	-0.150, 0.636	0.003, 0.990	-0.226, 0.301	-0.094, 0.703	-0.121, 0.631	0.113, 0.642	0.002, 0.990	-0.138, 0.573
MYBL2rs826944	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	-0.065, 0.635	0.013, 0.915	0.100, 0.301	-0.099, 0.352	-0.002, 0.986	-0.096, 0.365	0.039, 0.541	-0.074, 0.489
Interaction Model								
SNP Main Effect	0.008, 0.938	0.031, 0.873	0.259, 0.091	-0.049, 0.775	-0.017, 0.922	-0.131, 0.438	0.020, 0.847	<0.001, 0.999
SNP-by-CA Inter	-0.029, 0.938	-0.119, 0.718	-0.215, 0.403	-0.090, 0.755	0.172, 0.553	-0.052, 0.854	0.066, 0.706	-0.181, 0.530
SNP-by-AO Inter	-0.180, 0.563	0.058, 0.835	-0.267, 0.219	-0.080, 0.742	-0.064, 0.792	0.116, 0.627	0.017, 0.910	-0.083, 0.734
NDC80rs12408485	n=202	n=202	n=203	n=202	n=203	n=203	n=203	n=203
Main Effects Model								
SNP Main Effect	-0.158, 0.200	-0.020, 0.860	-0.059, 0.500	0.049, 0.617	-0.051, 0.601	-0.147, 0.125	-0.056, 0.331	-0.093, 0.350
Interaction Model								
SNP Main Effect	-0.117, 0.577	-0.004, 0.982	0.061, 0.684	-0.290, 0.084	-0.165, 0.322	-0.016, 0.922	-0.103, 0.301	-0.088, 0.603
SNP-by-CA Inter	0.214, 0.536	0.130, 0.686	-0.278, 0.257	0.390, 0.155	0.076, 0.782	-0.230, 0.391	0.115, 0.482	0.104, 0.709
SNP-by-AO Inter	-0.259, 0.363	-0.113, 0.670	-0.123, 0.544	0.589, 0.010*	0.264, 0.246	-0.170, 0.443	0.046, 0.733	-0.082, 0.723
NDC80rs2292274	n=206	n=206	n=207	n=207	n=207	n=207	n=207	n=207
Main Effects Model								
SNP Main Effect	0.117, 0.339	0.051, 0.651	0.114, 0.192	0.019, 0.843	0.114, 0.238	0.095, 0.321	0.054, 0.340	0.130, 0.183
Interaction Model								
SNP Main Effect	0.171, 0.396	0.068, 0.713	0.210, 0.145	0.306, 0.055	0.278, 0.079	0.319, 0.044*	0.041, 0.660	0.219, 0.170
SNP-by-CA Inter	-0.307, 0.333	-0.261, 0.371	-0.127, 0.572	-0.402, 0.107	-0.379, 0.126	-0.322, 0.192	0.054, 0.707	-0.123, 0.623
SNP-by-AO Inter	0.063, 0.822	0.134, 0.605	-0.156, 0.437	-0.447, 0.046*	-0.193, 0.382	-0.349, 0.113	-0.004, 0.973	-0.135, 0.545
ORC6rs33994299	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.112, 0.387	-0.048, 0.677	0.103, 0.257	-0.037, 0.715	-0.106, 0.297	0.193, 0.054	0.108, 0.087	0.077, 0.445
Interaction Model								

SNP Main Effect	-0.085, 0.678	-0.162, 0.378	0.158, 0.271	0.110, 0.494	-0.138, 0.393	0.416, 0.008*	0.119, 0.233	0.083, 0.604
SNP-by-CA Inter	-0.041, 0.901	0.169, 0.565	-0.205, 0.367	-0.312, 0.219	0.062, 0.808	-0.417, 0.094	0.001, 0.995	-0.175, 0.488
SNP-by-AO Inter	-0.046, 0.878	0.212, 0.425	-0.010, 0.960	-0.178, 0.442	0.051, 0.828	-0.303, 0.181	-0.043, 0.766	0.131, 0.570
PGRrs1042838	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	0.244, 0.075	0.046, 0.712	0.184, 0.058	0.124, 0.253	0.107, 0.330	-0.091, 0.397	0.081, 0.212	0.179, 0.102
Interaction Model								
SNP Main Effect	0.269, 0.207	-0.027, 0.890	0.337, 0.025*	0.087, 0.607	0.016, 0.925	-0.173, 0.302	0.037, 0.712	0.268, 0.118
SNP-by-CA Inter	0.127, 0.717	0.125, 0.694	-0.155, 0.528	0.268, 0.331	0.268, 0.341	0.204, 0.459	0.094, 0.570	-0.039, 0.889
SNP-by-AO Inter	-0.172, 0.590	0.136, 0.640	-0.323, 0.151	-0.103, 0.682	0.072, 0.780	0.065, 0.797	0.058, 0.702	-0.255, 0.319
PGRrs1042839	n=207	n=207	n=208	n=207	n=208	n=208	n=208	n=208
Main Effects Model								
SNP Main Effect	0.192, 0.195	-0.058, 0.655	0.130, 0.211	0.082, 0.477	0.114, 0.331	-0.127, 0.274	0.076, 0.279	0.096, 0.405
Interaction Model								
SNP Main Effect	0.174, 0.433	-0.122, 0.531	0.290, 0.060	0.025, 0.884	0.011, 0.951	-0.187, 0.278	0.037, 0.723	0.263, 0.127
SNP-by-CA Inter	0.257, 0.503	0.224, 0.508	-0.248, 0.352	0.258, 0.389	0.259, 0.390	0.196, 0.511	0.080, 0.658	-0.141, 0.636
SNP-by-AO Inter	-0.128, 0.708	0.016, 0.957	-0.310, 0.193	-0.035, 0.894	0.127, 0.638	0.020, 0.940	0.067, 0.680	-0.433, 0.104
PGRrs10895068	n=213	n=214	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	-0.182, 0.314	-0.277, 0.080	0.053, 0.680	-0.175, 0.211	-0.067, 0.645	0.055, 0.699	-0.079, 0.363	-0.011, 0.937
Interaction Model								
SNP Main Effect	-0.297, 0.294	-0.512, 0.040*	-0.082, 0.679	-0.160, 0.465	0.001, 0.998	-0.136, 0.537	0.114, 0.403	-0.182, 0.425
SNP-by-CA Inter	-0.194, 0.682	0.528, 0.205	-0.011, 0.974	0.171, 0.642	-0.109, 0.775	0.110, 0.767	-0.361, 0.115	0.109, 0.776
SNP-by-AO Inter	0.423, 0.300	0.240, 0.503	0.337, 0.241	-0.174, 0.582	-0.121, 0.714	0.416, 0.192	-0.281, 0.154	0.400, 0.226
PGRrs11224561	n=213	n=213	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	0.052, 0.718	-0.029, 0.817	0.050, 0.618	-0.075, 0.497	0.055, 0.624	0.028, 0.799	0.041, 0.533	-0.137, 0.208
Interaction Model								
SNP Main Effect	-0.058, 0.799	0.012, 0.954	-0.071, 0.653	-0.169, 0.336	0.101, 0.570	-0.028, 0.875	0.184, 0.088	-0.305, 0.072
SNP-by-CA Inter	0.326, 0.410	0.107, 0.757	0.289, 0.294	0.309, 0.308	-0.111, 0.718	-0.075, 0.805	-0.093, 0.618	0.589, 0.045*
SNP-by-AO Inter	0.099, 0.759	-0.195, 0.492	0.162, 0.473	0.052, 0.835	-0.060, 0.811	0.170, 0.493	-0.427, 0.005*	0.032, 0.895
PGRrs1893505	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	0.064, 0.603	0.122, 0.263	-0.043, 0.617	-0.122, 0.207	-0.014, 0.884	-0.071, 0.453	-0.045, 0.443	-0.051, 0.592
Interaction Model								
SNP Main Effect	0.234, 0.260	0.081, 0.660	0.147, 0.307	-0.150, 0.366	-0.175, 0.277	-0.087, 0.589	0.098, 0.316	0.177, 0.269
SNP-by-CA Inter	-0.324, 0.323	-0.060, 0.838	-0.244, 0.285	-0.031, 0.906	0.068, 0.789	0.032, 0.902	-0.294, 0.058	-0.195, 0.440
SNP-by-AO Inter	-0.224, 0.429	0.155, 0.538	-0.295, 0.135	0.089, 0.691	0.399, 0.070	0.018, 0.934	-0.163, 0.221	-0.428, 0.051

PGRrs1942836	n=216	n=216	n=217	n=216	n=217	n=217	n=217	n=217
Main Effects Model								
SNP Main Effect	0.023, 0.851	0.037, 0.741	-0.149, 0.082	-0.049, 0.615	-0.053, 0.590	0.070, 0.473	-0.105, 0.075	-0.175, 0.074
Interaction Model								
SNP Main Effect	0.249, 0.222	0.067, 0.712	-0.071, 0.617	0.157, 0.325	-0.030, 0.852	0.152, 0.342	0.083, 0.355	-0.042, 0.795
SNP-by-CA Inter	-0.538, 0.093	-0.062, 0.830	-0.159, 0.473	-0.383, 0.124	-0.288, 0.252	-0.236, 0.345	-0.440, 0.002*	-0.108, 0.665
SNP-by-AO Inter	-0.219, 0.450	-0.040, 0.878	-0.103, 0.609	-0.276, 0.226	0.157, 0.494	-0.052, 0.821	-0.149, 0.246	-0.288, 0.208
PGRrs471767	n=215	n=215	n=216	n=215	n=216	n=216	n=216	n=216
Main Effects Model								
SNP Main Effect	-0.016, 0.895	0.100, 0.357	-0.022, 0.798	-0.114, 0.224	-0.097, 0.316	0.026, 0.784	-0.011, 0.848	0.026, 0.784
Interaction Model								
SNP Main Effect	-0.134, 0.495	0.132, 0.457	-0.212, 0.124	-0.053, 0.732	0.021, 0.894	0.026, 0.868	-0.088, 0.356	-0.020, 0.898
SNP-by-CA Inter	0.259, 0.405	0.021, 0.941	0.271, 0.210	-0.229, 0.343	-0.076, 0.757	-0.216, 0.374	0.090, 0.548	-0.057, 0.818
SNP-by-AO Inter	0.146, 0.602	-0.116, 0.648	0.318, 0.106	0.001, 0.996	-0.291, 0.193	0.140, 0.526	0.150, 0.270	0.170, 0.449
PGRrs474320	n=196	n=196	n=197	n=196	n=197	n=197	n=197	n=197
Main Effects Model								
SNP Main Effect	0.186, 0.196	0.041, 0.762	0.147, 0.137	-0.009, 0.933	0.066, 0.573	-0.150, 0.167	0.043, 0.518	0.158, 0.163
Interaction Model								
SNP Main Effect	0.248, 0.247	-0.133, 0.506	0.341, 0.022*	-0.079, 0.638	-0.098, 0.574	-0.082, 0.616	0.076, 0.459	0.308, 0.069
SNP-by-CA Inter	0.168, 0.643	0.384, 0.256	-0.392, 0.116	0.352, 0.214	0.296, 0.315	-0.012, 0.965	0.001, 0.994	-0.215, 0.449
SNP-by-AO Inter	-0.356, 0.292	0.225, 0.477	-0.321, 0.168	-0.084, 0.752	0.310, 0.261	-0.214, 0.407	-0.160, 0.321	-0.301, 0.258
PGRrs4754732	n=219	n=219	n=220	n=219	n=220	n=220	n=220	n=220
Main Effects Model								
SNP Main Effect	-0.021, 0.867	0.016, 0.888	0.074, 0.389	0.049, 0.612	0.125, 0.197	0.070, 0.467	0.051, 0.375	0.012, 0.898
Interaction Model								
SNP Main Effect	-0.053, 0.786	0.040, 0.820	-0.015, 0.915	-0.053, 0.732	0.094, 0.533	-0.012, 0.939	-0.042, 0.644	-0.134, 0.380
SNP-by-CA Inter	-0.006, 0.986	0.057, 0.844	0.162, 0.472	0.335, 0.184	0.399, 0.109	0.268, 0.283	0.220, 0.141	0.368, 0.143
SNP-by-AO Inter	0.090, 0.745	-0.105, 0.668	0.130, 0.498	0.055, 0.799	-0.164, 0.441	0.048, 0.821	0.106, 0.405	0.150, 0.486
PGRrs484389	n=211	n=211	n=212	n=211	n=212	n=212	n=212	n=212
Main Effects Model								
SNP Main Effect	0.058, 0.637	0.089, 0.420	-0.005, 0.952	0.063, 0.515	0.047, 0.639	-0.199, 0.037*	-0.066, 0.268	-0.097, 0.323
Interaction Model								
SNP Main Effect	0.112, 0.579	0.014, 0.939	0.318, 0.024*	0.007, 0.967	-0.024, 0.885	-0.220, 0.162	0.012, 0.906	0.160, 0.318
SNP-by-CA Inter	0.240, 0.443	-0.029, 0.919	-0.529, 0.016*	0.191, 0.439	0.069, 0.786	0.128, 0.599	-0.130, 0.401	-0.380, 0.126
SNP-by-AO Inter	-0.377, 0.192	0.270, 0.295	-0.494, 0.015*	0.004, 0.984	0.152, 0.519	-0.044, 0.844	-0.145, 0.313	-0.439, 0.056
PGRrs568157	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	0.119, 0.381	0.064, 0.603	0.142, 0.131	0.004, 0.973	0.228, 0.034*	-0.088, 0.405	0.063, 0.320	0.067, 0.527
Interaction Model								

SNP Main Effect	0.057, 0.806	-0.151, 0.468	0.139, 0.390	-0.048, 0.794	0.054, 0.768	-0.383, 0.033*	-0.029, 0.788	-0.055, 0.765
SNP-by-CA Inter	0.052, 0.890	0.353, 0.298	-0.051, 0.842	0.339, 0.241	0.517, 0.074	0.543, 0.057	0.199, 0.250	0.265, 0.363
SNP-by-AO Inter	0.112, 0.715	0.295, 0.286	0.028, 0.896	-0.046, 0.849	0.068, 0.778	0.373, 0.115	0.113, 0.433	0.124, 0.608
PGRrs590688	n=214	n=214	n=215	n=214	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	0.114, 0.404	-0.119, 0.329	0.083, 0.384	-0.072, 0.500	-0.052, 0.632	-0.058, 0.585	0.010, 0.879	0.046, 0.667
Interaction Model								
SNP Main Effect	-0.013, 0.958	-0.222, 0.297	0.228, 0.175	-0.165, 0.381	0.015, 0.937	-0.077, 0.682	0.162, 0.151	0.270, 0.143
SNP-by-CA Inter	0.478, 0.186	0.328, 0.314	-0.235, 0.354	0.430, 0.130	0.217, 0.450	-0.097, 0.731	-0.245, 0.152	-0.194, 0.487
SNP-by-AO Inter	-0.005, 0.988	0.051, 0.858	-0.211, 0.351	-0.050, 0.843	-0.292, 0.256	0.106, 0.676	-0.209, 0.171	-0.416, 0.095
PGRrs608995	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	0.063, 0.604	0.051, 0.641	0.011, 0.897	0.055, 0.565	0.057, 0.551	-0.149, 0.115	-0.038, 0.512	-0.069, 0.471
Interaction Model								
SNP Main Effect	0.132, 0.502	0.007, 0.969	0.324, 0.020*	-0.002, 0.990	-0.024, 0.880	-0.167, 0.285	0.015, 0.876	0.192, 0.218
SNP-by-CA Inter	0.176, 0.567	-0.045, 0.872	-0.538, 0.013*	0.167, 0.495	0.129, 0.598	0.132, 0.587	-0.097, 0.517	-0.357, 0.142
SNP-by-AO Inter	-0.369, 0.188	0.176, 0.494	-0.464, 0.019*	0.027, 0.903	0.132, 0.554	-0.052, 0.815	-0.072, 0.599	-0.460, 0.039*
RACGAP1rs7303531	n=213	n=214	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	-0.141, 0.464	-0.197, 0.239	0.057, 0.670	0.160, 0.281	0.017, 0.913	0.119, 0.422	0.056, 0.534	0.223, 0.144
Interaction Model								
SNP Main Effect	-0.546, 0.101	0.015, 0.959	0.023, 0.922	0.368, 0.158	-0.155, 0.562	0.326, 0.207	0.001, 0.997	0.096, 0.718
SNP-by-CA Inter	0.719, 0.155	-0.433, 0.327	0.191, 0.594	-0.241, 0.542	0.524, 0.195	-0.148, 0.704	0.276, 0.240	0.296, 0.461
SNP-by-AO Inter	0.518, 0.233	-0.232, 0.543	-0.011, 0.971	-0.363, 0.286	0.070, 0.840	-0.362, 0.283	-0.113, 0.576	0.124, 0.719
RFC4rs1354091	n=213	n=213	n=214	n=213	n=214	n=214	n=214	n=214
Main Effects Model								
SNP Main Effect	0.047, 0.704	0.174, 0.107	0.057, 0.509	0.080, 0.403	0.173, 0.069	0.077, 0.418	0.094, 0.108	0.014, 0.884
Interaction Model								
SNP Main Effect	-0.068, 0.731	0.165, 0.341	-0.015, 0.915	-0.209, 0.174	0.063, 0.681	0.241, 0.114	0.095, 0.318	0.132, 0.388
SNP-by-CA Inter	0.056, 0.868	0.076, 0.797	0.201, 0.382	0.472, 0.066	0.264, 0.302	-0.290, 0.256	0.071, 0.656	-0.110, 0.667
SNP-by-AO Inter	0.262, 0.352	-0.031, 0.900	0.068, 0.728	0.444, 0.041*	0.133, 0.537	-0.241, 0.262	-0.050, 0.711	-0.234, 0.279
RRM2rs1138729	n=201	n=202	n=202	n=201	n=202	n=202	n=202	n=202
Main Effects Model								
SNP Main Effect	0.123, 0.388	0.030, 0.810	0.148, 0.132	0.008, 0.941	0.017, 0.884	0.083, 0.449	-0.005, 0.939	0.112, 0.336
Interaction Model								
SNP Main Effect	0.256, 0.276	0.151, 0.469	0.245, 0.135	0.323, 0.073	0.137, 0.478	0.048, 0.796	-0.024, 0.835	-0.079, 0.680
SNP-by-CA Inter	-0.002, 0.996	-0.019, 0.953	-0.221, 0.382	-0.207, 0.456	0.046, 0.876	-0.068, 0.812	0.119, 0.500	0.290, 0.327
SNP-by-AO Inter	-0.396, 0.235	-0.312, 0.293	-0.097, 0.677	-0.699, 0.007*	-0.379, 0.166	0.148, 0.572	-0.083, 0.608	0.293, 0.280

RRM2rs4309551	n=217	n=217	n=218	n=217	n=218	n=218	n=218	n=218
Main Effects Model								
SNP Main Effect	-0.024, 0.852	0.021, 0.858	0.114, 0.206	0.035, 0.730	0.106, 0.293	0.102, 0.308	0.047, 0.449	0.048, 0.640
Interaction Model								
SNP Main Effect	0.076, 0.734	0.335, 0.100	0.108, 0.495	0.090, 0.608	0.065, 0.713	0.317, 0.069	-0.083, 0.417	-0.139, 0.437
SNP-by-CA Inter	-0.089, 0.795	-0.466, 0.133	0.183, 0.445	-0.145, 0.590	0.108, 0.687	-0.182, 0.490	0.447, 0.004*	0.341, 0.207
SNP-by-AO Inter	-0.189, 0.538	-0.504, 0.071	-0.094, 0.664	-0.036, 0.881	0.033, 0.893	-0.392, 0.100	-0.001, 0.992	0.216, 0.375
RRM2rs4668664	n=214	n=214	n=215	n=215	n=215	n=215	n=215	n=215
Main Effects Model								
SNP Main Effect	-0.026, 0.829	0.005, 0.964	0.036, 0.677	0.063, 0.506	0.113, 0.234	0.039, 0.676	0.009, 0.871	0.003, 0.978
Interaction Model								
SNP Main Effect	0.080, 0.679	0.073, 0.686	0.009, 0.949	-0.026, 0.867	0.037, 0.814	0.086, 0.582	-0.078, 0.415	-0.042, 0.795
SNP-by-CA Inter	-0.297, 0.343	-0.254, 0.378	0.081, 0.720	-0.010, 0.687	-0.074, 0.768	-0.029, 0.907	0.232, 0.128	-0.010, 0.969
SNP-by-AO Inter	-0.065, 0.813	0.005, 0.983	0.016, 0.937	0.286, 0.194	0.263, 0.235	-0.099, 0.653	0.058, 0.665	0.120, 0.594
SCUBE2rs1136966	n=212	n=213	n=213	n=212	n=213	n=213	n=213	n=213
Main Effects Model								
SNP Main Effect	0.058, 0.646	0.046, 0.673	-0.019, 0.829	0.031, 0.751	0.078, 0.432	0.042, 0.663	0.061, 0.291	-0.019, 0.850
Interaction Model								
SNP Main Effect	0.109, 0.598	-0.037, 0.839	-0.087, 0.544	0.100, 0.538	0.278, 0.092	-0.080, 0.612	0.119, 0.211	-0.189, 0.251
SNP-by-CA Inter	-0.115, 0.726	-0.020, 0.943	-0.003, 0.988	-0.101, 0.691	-0.407, 0.116	0.063, 0.799	-0.204, 0.173	0.227, 0.380
SNP-by-AO Inter	-0.053, 0.855	0.249, 0.326	0.167, 0.407	-0.107, 0.640	-0.279, 0.227	0.260, 0.244	<0.001, 0.997	0.284, 0.218
SCUBE2rs4910440	n=218	n=218	n=219	n=218	n=219	n=219	n=219	n=219
Main Effects Model								
SNP Main Effect	-0.020, 0.882	0.081, 0.491	-0.002, 0.987	-0.010, 0.921	-0.046, 0.653	-0.014, 0.892	0.053, 0.388	0.042, 0.686
Interaction Model								
SNP Main Effect	-0.367, 0.083	0.082, 0.666	-0.004, 0.981	-0.238, 0.158	-0.121, 0.462	0.076, 0.641	0.152, 0.116	0.088, 0.593
SNP-by-CA Inter	0.628, 0.059	0.007, 0.983	0.004, 0.985	0.268, 0.306	0.146, 0.573	-0.137, 0.593	-0.083, 0.585	-0.113, 0.664
SNP-by-AO Inter	0.525, 0.098	-0.008, 0.976	0.003, 0.988	0.421, 0.084	0.114, 0.635	-0.153, 0.522	-0.220, 0.119	-0.039, 0.872
SCUBE2rs6486125	n=206	n=206	n=207	n=206	n=207	n=207	n=207	n=207
Main Effects Model								
SNP Main Effect	0.087, 0.476	-0.001, 0.992	-0.116, 0.177	-0.193, 0.043*	-0.095, 0.321	0.042, 0.660	-0.070, 0.238	-0.056, 0.563
Interaction Model								
SNP Main Effect	0.244, 0.215	0.241, 0.175	-0.320, 0.020*	-0.392, 0.011*	0.002, 0.990	-0.043, 0.782	-0.188, 0.051	-0.121, 0.437
SNP-by-CA Inter	-0.653, 0.043*	-0.528, 0.069	0.333, 0.136	0.133, 0.593	-0.187, 0.457	0.065, 0.795	0.181, 0.245	-0.044, 0.863
SNP-by-AO Inter	-0.003, 0.992	-0.282, 0.267	0.313, 0.112	0.437, 0.058	-0.149, 0.501	0.166, 0.453	0.202, 0.141	0.200, 0.369

Note: *=p<0.05. ªCoefficient estimation omitted in the robust regression model as the only participant prescribed CA with an *MYBL2rs11556379* variant allele was removed by the robust regression analysis; results from the standard regression model are reported. ᵇRobust regression did not converge after 1000 iterations; results from standard regression model reported. All regression coefficient estimates and p-values reported from robust multiple linear regression models generated using Huber weighting and biweighting iterations. In all models, the prescribed treatment groups, CA and AO, were compared to the reference healthy control group and possession of one or more minor alleles (i.e., homozygous variant genotype plus heterozygous genotype) was compared to the reference, wildtype genotype. All models are adjusted for age, estimated verbal intelligence, levels of depressive symptoms, anxiety, fatigue, and pain, and prescribed treatment group.
Abbreviations: AO=Prescribed Anastrozole Only; CA=Prescribed Chemotherapy plus Anastrozole; Inter=Interaction; SNP=Single Nucleotide Polymorphism.