

**Table 4 (supplementary information online):** Table 4 shows the rs number, odds ratios (OR (dominant) & OR (recessive)) and p-values (p-value (dominant) & p-value (recessive)) for all 1037 SNPs that were genotyped. The SNPs are ordered in descending order based on the most significant of the two p-values (best p value) for each SNP.

rs number	OR (dominant)	p value (dominant)	OR (recessive)	p value (recessive)	best p value
rs1799950	1.723122	0.000193	2.995116	0.085757	0.000193
rs3192149	1.448443	0.000248	1.27281	0.236894	0.000248
rs4833095	1.185894	0.101976	2.045534	0.000277	0.000277
rs285584	1.145932	0.206865	2.583061	0.000392	0.000392
rs1046268	1.052349	0.66207	0.689525	0.005489	0.005489
rs1805329	0.738262	0.005975	0.431662	0.028137	0.005975
rs6537825	1.241847	0.135857	5.2591	0.006575	0.006575
rs1271572	1.361937	0.007416	1.309772	0.028842	0.007416
rs17800727	1.309637	0.00777	1.225028	0.242458	0.00777
rs16986050	1.070794	0.523132	0.379387	0.008387	0.008387
rs2886059	1.323339	0.008776	1.246101	0.436121	0.008776
rs8108074	1.317295	0.010532	1.213323	0.456996	0.010532
rs2496425	0.858648	0.14394	0.569531	0.010743	0.010743
rs16844401	1.415713	0.011511	0.521064	1	0.011511
rs2272994	0.966118	0.757249	1.721631	0.011591	0.011591
rs553717	1.230606	0.087914	3.241026	0.012484	0.012484
rs2839158	1.040384	0.74281	0.339886	0.012777	0.012777
rs16942	0.998769	1	1.461437	0.014271	0.014271
rs2234951	1.515822	0.014273	1.737288	0.504934	0.014273
rs1800057	1.677369	0.014993	1.302436	0.5848	0.014993
rs4986956	1.398844	0.015455	0.742797	1	0.015455
rs10494745	1.107203	0.415997	2.246262	0.0155	0.0155
rs1805034	0.929893	0.534344	0.74178	0.015903	0.015903
rs17667603	1.186908	0.204051	3.009852	0.016883	0.016883
rs4986850	1.066262	0.667366	3.009524	0.016891	0.016891
rs2297950	1.271357	0.01825	1.054231	0.728252	0.01825
rs1318648	0.786116	0.018985	0.895025	0.503283	0.018985
rs240780	1.295546	0.019365	1.15908	0.258307	0.019365
rs1344642	0.77983	0.019381	0.812866	0.130111	0.019381
rs2397118	1.477816	0.01945	1.305202	0.584092	0.01945
rs1047840	0.788096	0.020175	0.993452	1	0.020175
rs696217	0.699393	0.020696	0.867021	1	0.020696
rs11670988	1.334833	0.020807	0.946387	1	0.020807
rs783396	0.830414	0.244581	3.515412	0.022829	0.022829
rs751141	0.744853	0.023153	0.836499	1	0.023153
rs2452600	0.795745	0.023348	0.786064	0.193134	0.023348
rs2289043	1.256833	0.023835	1.20902	0.258157	0.023835

rs3734091	2.035606	0.024555			0.024555
rs2069860	0.233353	0.02499			0.02499
rs17879961		0.02583			0.02583
rs17145454	1.334507	0.026852	1.041702	1	0.026852
rs11858113	1.147709	0.208358	1.329119	0.029233	0.029233
rs6958498	0.793722	0.030237	0.825431	0.488202	0.030237
rs880633	0.865132	0.191575	0.755245	0.030274	0.030274
rs708567	0.95538	0.702862	1.294847	0.030318	0.030318
rs11575194	1.456388	0.031298	3.136596	0.12442	0.031298
rs4820853	0.921123	0.421148	1.390839	0.032032	0.032032
rs607567	0.802377	0.032103	0.907136	0.595153	0.032103
rs2073618	1.273392	0.033585	1.02012	0.900173	0.033585
rs3732675	0.802343	0.035075	1.152666	0.285705	0.035075
rs202676	1.075271	0.477781	1.50179	0.035132	0.035132
rs9283633	1.255277	0.035278	1.065708	0.635173	0.035278
rs1256049	0.59786	0.036169	0	1	0.036169
rs2274333	0.963983	0.724759	0.67231	0.040052	0.040052
rs1799966	1.002311	1	1.373586	0.041071	0.041071
rs3739915	1.391142	0.042315	0	0.59798	0.042315
rs4371716	0.864412	0.170032	1.495429	0.048689	0.048689
rs8207	1.222725	0.049557	1.186588	0.323412	0.049557
rs871546	0.819321	0.04987	0.936919	0.83571	0.04987
rs2908004	0.869982	0.193878	0.762532	0.050955	0.050955
rs11074359	1.044342	0.682652	1.326648	0.051858	0.051858
rs7302981	1.036972	0.759748	1.322778	0.052112	0.052112
rs390659	0.954468	0.675482	0.533787	0.052381	0.052381
rs2706762	0.797813	0.0525	0.785452	0.634385	0.0525
rs3808553	0.811178	0.053473	1.136449	0.276036	0.053473
rs2305397	0.811755	0.054002	1.036524	0.76093	0.054002
rs707555	1.23627	0.054336	1.064045	0.857891	0.054336
rs13328900	0.807615	0.054584	1.036129	0.768889	0.054584
rs11652709	1.119046	0.268717	0.701024	0.054913	0.054913
rs2273535	0.814967	0.055315	0.7636	0.394739	0.055315
rs3205421	1.21533	0.05637	0.835539	0.380108	0.05637
rs3765148	0.975649	0.93858	5.234043	0.056858	0.056858
rs4329068	1.000656	1	5.225532	0.05706	0.05706
rs9975588	1.157675	0.172359	0.758294	0.05709	0.05709
rs1950902	0.812795	0.057128	0.782548	0.487565	0.057128
rs989902	0.817217	0.057678	0.811948	0.170341	0.057678
rs2066459	1.725239	0.057767	0	1	0.057767
rs2227928	0.820306	0.057882	0.84185	0.229006	0.057882
rs4647932	1.019806	0.875976	2.917263	0.06024	0.06024
rs3741927	2.908357	0.060805			0.060805
rs2306022	0.764629	0.063602	0.977479	1	0.063602
rs2236338	1.034352	0.758464	1.490711	0.063914	0.063914
rs2270968	0.958777	0.686614	0.645374	0.064041	0.064041
rs2288467	1.250887	0.683942	0.94936	0.065034	0.065034
rs17780143	1.335209	0.065102	1.300318	0.585344	0.065102
rs13706	0.909254	0.46166	2.209394	0.065265	0.065265
rs4986791	0.725292	0.066378	1.041614	1	0.066378
rs16971436	0.388002	0.067265			0.067265
rs17356233	0.828173	0.06787	0.999187	1	0.06787
rs6495228	0.803642	0.067922	0.936378	1	0.067922
rs12236219	0.686421	0.068299	0.743341	1	0.068299

rs4151667	0.699561	0.068419	0	0.598004	0.068419
rs3093921	1.033082	0.901747	10.45435	0.069407	0.069407
rs10512747	1.142059	0.274845	1.85964	0.069642	0.069642
rs6580942	0.833159	0.070144	0.876565	0.508407	0.070144
rs6897932	1.201798	0.07046	1.182292	0.354773	0.07046
rs2725362	0.984886	0.910856	1.230964	0.073004	0.073004
rs4150176	0.700418	0.074766	0.866879	1	0.074766
rs2293925	0.827513	0.075293	1.002002	1	0.075293
rs4680	0.817528	0.076054	0.885552	0.336348	0.076054
rs1154510	0.800183	0.076535	0.547861	0.25371	0.076535
rs2229742	1.24436	0.076558	1.875964	0.115188	0.076558
rs712665	1.006549	0.95961	1.294925	0.077011	0.077011
rs210280	1.082938	0.492196	1.668479	0.077962	0.077962
rs1738023	1.003483	1	1.667091	0.07807	0.07807
rs2472647	0.603474	0.078071	0	1	0.078071
rs999765	0.781826	0.078391	0.484941	0.351359	0.078391
rs2032729	1.27325	0.078753	1.491319	0.515393	0.078753
rs34677	0.805335	0.080253	1.256226	0.484458	0.080253
rs3742076	1.106695	0.370293	1.64264	0.080426	0.080426
rs216321	1.041934	0.745685	2.296406	0.08098	0.08098
rs17632786	0.809065	0.082004	1.384572	0.401604	0.082004
rs1800440	0.986254	0.915473	1.564596	0.083331	0.083331
rs2298553	0.94595	0.626146	1.237237	0.083797	0.083797
rs12632456	1.061334	0.576416	0.648304	0.084059	0.084059
rs1998206	1.095363	0.425327	1.716251	0.085717	0.085717
rs4144738	0.828501	0.085813	0.879866	0.327879	0.085813
rs1863704	0.835509	0.08618	0.845588	0.267328	0.08618
rs2067019	1.024734	0.833799	1.521449	0.087113	0.087113
rs4135113	0.535886	0.087403	0	1	0.087403
rs2277838	0.977393	0.872753	0.53521	0.087453	0.087453
rs10977171	0.854165	0.431937	3.932303	0.087485	0.087485
rs619203	0.899786	0.313663	0.676558	0.087709	0.087709
rs16967494	0.841298	0.087713	0.966997	0.927339	0.087713
rs2071214	0.736333	0.088259	0	0.230161	0.088259
rs3817552	0.821083	0.091154	1.189492	0.57744	0.091154
rs1558878	1.145136	0.091275	1.211343	0.254303	0.091275
rs3749930	0.715739	0.092455	2.610403	0.409373	0.092455
rs3810971	0.838212	0.092802	1.102456	0.65364	0.092802
rs2278415	0.999915	1	0.403577	0.092844	0.092844
rs2340601	0.839452	0.092845	1.100091	0.654018	0.092845
rs17128572	0.768053	0.092998	1.737589	0.424093	0.092998
rs2305165	1.039522	0.821292	0	0.093118	0.093118
rs2043211	1.089388	0.421169	0.731607	0.093883	0.093883
rs17704912	1.26285	0.094304	0.579957	1	0.094304
rs11934749	1.162642	0.198778	1.75817	0.095265	0.095265
rs3742636	0.842522	0.097421	0.871923	0.573388	0.097421
rs4807697	0	0.097904			0.097904
rs3218783	0	0.098063			0.098063
rs17097231	0.790852	0.098519	0.647872	0.606542	0.098519
rs4956145	1.014224	0.943357	0	0.098521	0.098521
rs814628	0.825419	0.09933	0.732517	0.44281	0.09933
rs507879	0.942623	0.587118	1.227982	0.099886	0.099886
rs9999999902	0.367933	0.100356			0.100356
rs3087386	1.207349	0.10042	1.15844	0.249	0.10042

rs1051006	1.011837	0.914164	1.578861	0.101376	0.101376
rs1469087	1.200938	0.101437	0.4982	0.13061	0.101437
rs2282076	1.197962	0.102884	0.951138	0.736652	0.102884
rs1131356	1.055084	0.61191	0.652536	0.103553	0.103553
rs17265513	1.18398	0.103556	0.822836	0.584514	0.103556
rs2062988	1.162763	0.162515	1.553228	0.103776	0.103776
rs4430553	0.947457	0.652598	0.813191	0.103806	0.103806
rs17322140	0.311008	0.106266			0.106266
rs2707466	0.896519	0.303942	0.799075	0.106447	0.106447
rs17040344	0.903013	0.532043	2.420359	0.10651	0.10651
rs1140409	0.760631	0.107366	0.519703	1	0.107366
rs2271900	1.143447	0.191089	1.335692	0.107858	0.107858
rs2272843	0.821563	0.108325	1.011277	1	0.108325
rs3826007	0.927269	0.479091	1.375566	0.111176	0.111176
rs17050550	2.626338	0.112235			0.112235
rs459552	1.007415	0.958966	1.404471	0.112803	0.112803
rs4646487	0.822901	0.112897	0.515385	0.194262	0.112897
rs1044250	0.866622	0.158931	0.746128	0.113331	0.113331
rs1776148	1.026815	0.83675	1.260881	0.113367	0.113367
rs2298033	0.513519	0.114278			0.114278
rs4760	0.953478	0.696649	0.51309	0.114332	0.114332
rs1800974	0.840767	0.115374	0.987793	0.953585	0.115374
rs1983864	1.078479	0.47815	0.755625	0.115435	0.115435
rs1105879	1.177701	0.116695	1.09553	0.537964	0.116695
rs17337252	0.994023	0.117719	1.194916	0.95435	0.117719
rs3818511	0.970168	0.795711	0.664748	0.117755	0.117755
rs2920217	1.101904	0.339814	1.29741	0.118236	0.118236
rs10948072	0.997013	1	2.000614	0.121281	0.121281
rs2273526	0.989646	1	1.997337	0.121563	0.121563
rs17736370	1.25578	0.122747	0	0.370403	0.122747
rs4452075	0.838609	0.123192	1.004177	1	0.123192
rs16900023	0.591133	0.123518	5.227176	0.295819	0.123518
rs12590446	0.850801	0.124085	0.791404	0.38279	0.124085
rs1800076	0.868692	0.562985	5.225053	0.124176	0.124176
rs5745549	1.044545	0.841266	5.225053	0.124176	0.124176
rs506504	0.998547	1	5.22293	0.124251	0.124251
rs1804027	0.841403	0.124599	0.847261	0.194542	0.124599
rs12882191	0.969023	0.762278	0.673672	0.124675	0.124675
rs2230590	1.073907	0.124727	1.194372	0.566695	0.124727
rs1062633	1.06627	0.124894	1.192387	0.606297	0.124894
rs6954345	1.165978	0.128514	1.007704	1	0.128514
rs5388	0.514347	0.129045			0.129045
rs3733227	1.172593	0.129449	1.122744	0.43172	0.129449
rs6597801	1.048321	0.711099	1.909875	0.130481	0.130481
rs2295778	1.166041	0.130968	1.105724	0.619005	0.130968
rs4807840	0.927551	0.481554	1.269779	0.131196	0.131196
rs26279	0.85593	0.131685	0.909422	0.699605	0.131685
rs1428180	0.680795	0.131736	0	1	0.131736
rs1366257	0.6805	0.131755	0	1	0.131755
rs3862618	1.20777	0.1318	1.078343	0.817902	0.1318
rs1047991	1.16875	0.131875	1.106514	0.57096	0.131875
rs17388190	0.712002	0.132494	1.737438	0.504908	0.132494
rs12968116	1.183391	0.134009	1.430787	0.394396	0.134009
rs162558	1.149873	0.180971	1.403095	0.134845	0.134845

rs4438413	1.041716	0.719799	0.790832	0.134862	0.134862
rs299284	0.821309	0.136105	0.841368	0.836061	0.136105
rs7530511	1.190926	0.137517	1.634124	0.136405	0.136405
rs3747787	1.002581	1	1.339846	0.136695	0.136695
rs6115	0.899953	0.312464	0.762646	0.139131	0.139131
rs4707358	1.193578	0.174273	1.169164	0.14017	0.14017
rs11250	1.133169	0.250109	0.812061	0.141473	0.141473
rs12541381	1.165315	0.141638	1.067858	0.758686	0.141638
rs6867460	0.835161	0.142138	1.444197	0.33365	0.142138
rs2293869	0.856293	0.143563	0.897062	0.45465	0.143563
rs1841958	1.161509	0.144695	1.114235	0.509524	0.144695
rs1346044	1.029675	0.800604	0.696561	0.145346	0.145346
rs1805016	1.128051	0.456289	0	0.145467	0.145467
rs2302427	0.837164	0.273921	0	0.145476	0.145476
rs3764795	1.294524	0.146196	0.86476	1	0.146196
rs11070136	0.881028	0.223989	0.769028	0.146262	0.146262
rs2236225	1.014047	0.955866	1.189694	0.146628	0.146628
rs17075173	0.97228	0.821953	0.495357	0.14699	0.14699
rs3213837	0.987639	0.955685	0.485809	0.147575	0.147575
rs9675365	0.853341	0.147693	0.845587	0.201308	0.147693
rs8192708	1.189329	0.147993	1.159172	0.810764	0.147993
rs17502738	1.113019	0.31778	1.439563	0.148146	0.148146
rs11700112	0.814169	0.149099	0.622468	0.607098	0.149099
rs2240697	0.995726	1	0.827213	0.14947	0.14947
rs1009382	1.095343	0.366708	1.306857	0.150295	0.150295
rs2186797	0.915812	0.597653	0	0.150402	0.150402
rs16939752	1.089823	0.499187	0.333128	0.15144	0.15144
rs2228528	1.127851	0.278313	1.445024	0.15239	0.15239
rs3740199	1.180084	0.153953	1.060438	0.66122	0.153953
rs3024678	1.359038	0.154545	5.21656	0.29628	0.154545
rs10943299	1.15374	0.207964	1.491849	0.157113	0.157113
rs10931715	0.864587	0.157694	0.840107	0.36045	0.157694
rs2076222	1.371795	0.157723		0.161037	0.157723
rs3207090	0.979763	0.864246	1.176287	0.157939	0.157939
rs495820	0.828015	0.229249	0.234688	0.157962	0.157962
rs875379	0.886394	0.422924	0.234977	0.158	0.158
rs27230	0.860184	0.158383	0.892392	0.801481	0.158383
rs3177427	1.158232	0.159174	1.152119	0.4002	0.159174
rs15524	0.850734	0.270154	0.224576	0.159819	0.159819
rs1599882	0.887425	0.868276		0.16	0.16
rs9999999963		0.160696			0.160696
rs8191612		0.160806			0.160806
rs1805373		0.160982			0.160982
rs3218695		0.161158			0.161158
rs3218772	1.129812	0.662142		0.161158	0.161158
rs1178027	1.192441	0.16225	0.599311	0.609895	0.16225
rs1999240	0.862979	0.163361	0.967634	0.845242	0.163361
rs2072315	1.010865	0.956736	0.825703	0.163516	0.163516
rs1799945	1.170151	0.163626	1.332248	0.336075	0.163626
rs1799822	0.882641	0.237478	0.685766	0.163817	0.163817
rs2242480	0.911909	0.516174	0.215307	0.164842	0.164842
rs11574571	2.61383	0.165119			0.165119
rs1048945	1.038914	0.85645	2.611702	0.16537	0.16537
rs2304877	1.04455	0.805385	2.609575	0.165621	0.165621

rs2294757	1.160065	0.165747	0.943427	0.720655	0.165747
rs4072111	1.045683	0.709521	1.747845	0.167388	0.167388
rs2307293	0.45828	0.168171	0	1	0.168171
rs1800562	0.802101	0.168184	0.951528	1	0.168184
rs2228078	1.482898	0.168305	0	1	0.168305
rs1287637	0.881327	0.257454	0.620617	0.169296	0.169296
rs3732378	0.855137	0.171387	0.657398	0.241766	0.171387
rs4980999	0.84417	0.171742	1.362443	0.451489	0.171742
rs3218784	0.710405	0.173119	2.602754	0.410209	0.173119
rs9984077	0.951009	0.646333	1.344077	0.174434	0.174434
rs1805327	0.995631	1	2.18237	0.174536	0.174536
rs6926570	0.860867	0.175518	0.878049	0.290113	0.175518
rs17414086	0.91397	0.38285	0.812746	0.176217	0.176217
rs9250	0.914311	0.382963	0.813523	0.176294	0.176294
rs1800056	1.516627	0.176908	0	1	0.176908
rs5743611	1.197773	0.177358	1.084847	0.801287	0.177358
rs2005172	0.914672	0.387265	0.805881	0.17865	0.17865
rs9324700	0.863575	0.180562	1.132177	0.286567	0.180562
rs2243191	0.866209	0.181193	1.14924	0.495901	0.181193
rs2230912	1.075548	0.511822	0.590849	0.181371	0.181371
rs2306942	0.815477	0.32639	3.485106	0.185241	0.185241
rs3732401	1.104588	0.536854	3.480851	0.185554	0.185554
rs1878326	0.93819	0.544399	0.797761	0.185967	0.185967
rs2740583	0.896806	0.287506	0.79813	0.185985	0.185985
rs5355	1.139391	0.455922	3.474876	0.185995	0.185995
rs4843074	0.874113	0.186029	0.96458	0.876057	0.186029
rs17184326	1.047138	0.68211	1.629478	0.187622	0.187622
rs17601580	0.858181	0.18903	0.644313	0.384862	0.18903
rs4907	0.834173	0.189902	0.383109	0.212499	0.189902
rs328	0.939924	0.663452	0.417826	0.191148	0.191148
rs10795446	1.144272	0.191599	0.969565	0.931184	0.191599
rs17599639	1.253377	0.192281	1.300955	0.668598	0.192281
rs2071587	0.872309	0.342491	2.013478	0.192753	0.192753
rs3814160	1.127782	0.310063	1.698087	0.194624	0.194624
rs689647	0.912244	0.497344	1.746781	0.197511	0.197511
rs363504	0.786038	0.198844	0.432733	0.706222	0.198844
rs2567206	0.921456	0.449197	0.748719	0.199198	0.199198
rs2617266	0.924587	0.449387	0.752619	0.199282	0.199282
rs2242089	1.109901	0.340038	1.40574	0.200336	0.200336
rs25683	1.151902	0.201025	0.879628	0.381453	0.201025
rs1056892	1.141675	0.203683	0.925798	0.649795	0.203683
rs1342642	0.9971	1	1.26086	0.204168	0.204168
rs2230131	0.835245	0.20496	0.245289	0.238474	0.20496
rs13096789	1.157807	0.20632	1.282394	0.479814	0.20632
rs25489	1.239962	0.206891			0.206891
rs6125	1.052857	0.740093	2.252065	0.207107	0.207107
rs3177980	0.879448	0.208508	0.969999	1	0.208508
rs10407022	1.036666	0.742149	0.649152	0.20911	0.20911
rs17047661	2.239514	0.209152			0.209152
rs6427504	1.139032	0.20944	1.078613	0.651195	0.20944
rs10491178	1.223849	0.209718	0.799935	1	0.209718
rs1766848	1.012458	0.947914	1.676997	0.211135	0.211135
rs1063535	0.99415	0.954924	1.156047	0.21172	0.21172
rs2434470	0.959095	0.686472	0.736038	0.212132	0.212132

rs16982743	1.041579	0.708752	1.3895	0.212934	0.212934
rs6811863	1.151558	0.213812	1.133123	0.317563	0.213812
rs2275249	1.177569	0.214693	1.565745	0.451863	0.214693
rs7312857	0.943643	0.664767	0.355956	0.215511	0.215511
rs3743044	1.288333	0.215998	0	1	0.215998
rs2297241	0.858943	0.216192	1.342919	0.410603	0.216192
rs4707569	1.143176	0.217217	1.278738	0.337432	0.217217
rs8191371	1.310697	0.217425	2.604873	0.409977	0.217425
rs388706	0.997916	1	0.859119	0.21765	0.21765
rs688906	1.090354	0.39341	0.763583	0.217793	0.217793
rs1432862	0.86976	0.218774	1.144421	0.260507	0.218774
rs2269429	1.17425	0.219392	1.09348	0.779271	0.219392
rs9373985	1.113193	0.290642	1.215463	0.22148	0.22148
rs17651549	0.913164	0.386905	0.732577	0.224485	0.224485
rs16867245	1.017597	0.904741	0.479992	0.226802	0.226802
rs3747517	1.132354	0.227255	1.138926	0.488132	0.227255
rs1895245	1.13476	0.22752	1.175709	0.525682	0.22752
rs702689	1.133219	0.227574	0.96547	0.926491	0.227574
rs7021366	1.134192	0.227931	1.116314	0.529982	0.227931
rs2820289	1.180335	0.228107	0.692994	1	0.228107
rs3087403	0.885024	0.228283	0.878995	0.582429	0.228283
rs1260326	1.137423	0.229112	0.8494	0.277824	0.229112
rs3218651	0.979277	0.869039	1.414138	0.22915	0.22915
rs2274976	0.899921	0.567751	0	0.230192	0.230192
rs4252233	1.344299	0.23025	0	1	0.23025
rs11852361	0.85912	0.35244	0	0.230342	0.230342
rs2000813	0.967222	0.76311	1.218759	0.230369	0.230369
rs2257401	0.92886	0.641049	0.272302	0.231925	0.231925
rs17632542	0.982932	0.944317	0.272413	0.231949	0.231949
rs16945930	1.442522	0.232194			0.232194
rs2073347	0.971192	0.800899	0.739518	0.232732	0.232732
rs1127354	1.06704	0.620871	0.258263	0.232959	0.232959
rs1801278	0.944997	0.76694	0	0.233807	0.233807
rs2286007	0.968616	0.884484	0	0.234074	0.234074
rs2304053	0.873611	0.235335	1.125977	0.318429	0.235335
rs1052763	0.872591	0.235545	0.772519	0.488337	0.235545
rs3948464	0.870289	0.236465	1.20618	0.556558	0.236465
rs1110627	1.135298	0.237075	1.151087	0.281952	0.237075
rs2250889	1.244242	0.237613	0	1	0.237613
rs1019670	0.933534	0.530546	1.178258	0.237726	0.237726
rs8971	1.040097	0.719778	1.265376	0.238684	0.238684
rs1053230	0.933763	0.537684	1.307984	0.23941	0.23941
rs1800100	0.601359	0.240765			0.240765
rs1536690	1.058884	0.58874	0.649862	0.241961	0.241961
rs8176786	0.799167	0.242163	0	0.369095	0.242163
rs2227564	0.975299	0.839901	1.244009	0.242385	0.242385
rs1799793	1.132342	0.242614	1.048073	0.752608	0.242614
rs139299	0.87691	0.243255	1.076581	0.541872	0.243255
rs17511668	1.125412	0.244254	1.243774	0.260565	0.244254
rs12022378	1.019505	0.871751	0.636524	0.244466	0.244466
rs1042636	0.827205	0.244881	1.15782	0.693958	0.244881
rs3739407	0.87798	0.245339	0.783105	0.437012	0.245339
rs17782078	0.803097	0.246405	0	0.597958	0.246405
rs3923647	1.256511	0.246473	0	1	0.246473

rs1799811	0.855836	0.304893	1.853894	0.246528	0.246528
rs3177253	0.88732	0.246602	1.025189	0.921846	0.246602
rs7214723	1.146207	0.246703	1.153005	0.253386	0.246703
rs2308321	0.994623	1	1.433307	0.247345	0.247345
rs2228224	0.953045	0.6426	0.832642	0.24743	0.24743
rs4791641	0.94697	0.248165	1.143827	0.643559	0.248165
rs7247284	0.755527	0.248813	0	1	0.248813
rs1049550	0.885838	0.249237	0.99997	1	0.249237
rs1377210	0.846981	0.250006	1.74661	0.352486	0.250006
rs9262138	0.912454	0.589575	2.60828	0.250041	0.250041
rs3218786	1.035704	0.839817	2.606157	0.250305	0.250305
rs10421121	0.951554	0.811375	2.605096	0.250437	0.250437
rs8305	0.933887	0.513978	0.790955	0.251126	0.251126
rs867228	0.883987	0.251858	0.825208	0.605998	0.251858
rs2308327	0.993091	1	1.407712	0.251996	0.251996
rs3750898	1.049246	0.645546	0.739037	0.25627	0.25627
rs945508	1.143593	0.256747	0.93552	0.633045	0.256747
rs184967	0.873343	0.257228	0.978712	1	0.257228
rs1048047	0.983818	0.873218	1.163015	0.257625	0.257625
rs8176927	1.755029	0.258063			0.258063
rs4712138	0.890423	0.258168	0.927657	0.660854	0.258168
rs897945	1.123847	0.3054	0.855342	0.25851	0.25851
rs12476147	1.048716	0.679376	1.164897	0.258959	0.258959
rs10067	1.053841	0.721203	1.747496	0.259111	0.259111
rs1043261	0.908942	0.536297	1.744468	0.259542	0.259542
rs8191664	0.624869	0.261879	0	1	0.261879
rs2307456	2.092111	0.261882			0.261882
rs1748020	1.019768	0.873058	2.090405	0.262044	0.262044
rs1713456	1.026168	0.829732	1.332327	0.265609	0.265609
rs1799941	1.12275	0.266071	1.038085	0.843904	0.266071
rs1105168	0.882626	0.266782	0.95999	0.801707	0.266782
rs6336	0.822515	0.266792	1.737438	0.622871	0.266792
rs2137722	1.199854	0.267888	1.309806	0.72119	0.267888
rs17293705	1.313193	0.270462	0	1	0.270462
rs569108	1.276981	0.27062	0	1	0.27062
rs2295000	1.00518	0.958804	0.732086	0.271812	0.271812
rs1801158	0.714528	0.27288			0.27288
rs2243072	1.245927	0.273591	0	1	0.273591
rs17038460	1.171408	0.274685	1.742004	0.309411	0.274685
rs133885	1.041436	0.743733	1.152738	0.275006	0.275006
rs204900	1.159982	0.275689	1.157645	0.770708	0.275689
rs7410919	1.134744	0.277566	1.061626	0.647985	0.277566
rs1800566	0.900519	0.362255	0.653515	0.280738	0.280738
rs956868	1.005203	0.954958	0.653473	0.280753	0.280753
rs3087399	0.871878	0.280895	1.385713	0.401405	0.280895
rs1820128	1.132208	0.28304	1.195933	0.591513	0.28304
rs13894	1.106663	0.479085	1.904429	0.28319	0.28319
rs25487	0.915411	0.38656	1.17372	0.283589	0.283589
rs11543848	1.118467	0.285843	1.068586	0.751637	0.285843
rs376618	1.116945	0.28696	1.086551	0.680365	0.28696
rs11466658	1.235106	0.288248	0	1	0.288248
rs9678851	1.126596	0.288472	1.133024	0.324117	0.288472
rs10498796	0.917964	0.429008	1.303521	0.291195	0.291195
rs144848	1.11276	0.291913	1.074084	0.708101	0.291913

rs2303580	0.890411	0.293155	1.108474	0.703381	0.293155
rs17112809	0.541835	0.295193			0.295193
rs4987945	5.213983	0.296391			0.296391
rs12721636	5.211864	0.296483			0.296483
rs6407	5.211864	0.296483			0.296483
rs4986998	0.950754	0.857704	5.199152	0.297037	0.297037
rs29372	5.194915	0.297223			0.297223
rs8069315	0.88219	0.334366	0.517345	0.298579	0.298579
rs3729986	1.007949	0.949573	0.397844	0.298877	0.298877
rs3219484	0.84377	0.29913	0.398957	0.712546	0.29913
rs1718119	1.120224	0.299566	1.061355	0.671562	0.299566
rs2970869	1.116204	0.301419	1.034855	0.83008	0.301419
rs10115703	1.149038	0.301424	0.519492	1	0.301424
rs16932941	0.84972	0.302566	0.519492	1	0.302566
rs9999999922	1.495835	0.30381			0.30381
rs1042445	0.89574	0.304437	0.926015	0.827468	0.304437
rs1048328	1.142098	0.307625	0.518856	1	0.307625
rs136478	0.991954	0.954645	1.126205	0.307662	0.307662
rs1538660	1.075783	0.507797	1.313187	0.308248	0.308248
rs12520591	1.110568	0.513609	1.741294	0.309551	0.309551
rs2593943	0.897079	0.310503	0.926892	0.603318	0.310503
rs9999999911	0.767355	0.311904	0	1	0.311904
rs508405	1.109011	0.312951	1.156572	0.359186	0.312951
rs3204145	1.078527	0.507378	1.295198	0.313129	0.313129
rs9282554	1.178661	0.313541	0.577213	1	0.313541
rs3730477	0.996209	1	1.242957	0.314982	0.314982
rs3130618	1.114245	0.315382	1.068349	0.80248	0.315382
rs17782839	0.682444	0.316853	0	1	0.316853
rs7211875	1.118819	0.317872	1.081761	0.863184	0.317872
rs2297518	0.895245	0.318908	0.756807	0.370211	0.318908
rs2020908	1.415116	0.318994			0.318994
rs1805794	1.071244	0.512606	0.832883	0.320387	0.320387
rs4968281	1.074487	0.478963	1.198715	0.320742	0.320742
rs1048197	1.198552	0.320819	0	1	0.320819
rs3747532	0.923973	0.449633	1.173069	0.322254	0.322254
rs770087	1.049953	0.638227	1.299131	0.32238	0.32238
rs351855	0.94115	0.580211	1.188847	0.322918	0.322918
rs213950	0.955265	0.675607	0.858269	0.323615	0.323615
rs7190823	0.907476	0.363859	0.869653	0.324383	0.324383
rs2266690	0.898985	0.324917	0.799735	0.470216	0.324917
rs11773597	0.850151	0.326652	1.425858	0.482026	0.326652
rs1805377	0.876981	0.329778	1.266862	0.522386	0.329778
rs3738888	0.573876	0.330223	0	1	0.330223
rs3821979	1.016048	0.906254	0.573599	0.330271	0.330271
rs1381057	1.044555	0.68799	0.817574	0.331852	0.331852
rs344141	1.109012	0.331983	1.07211	0.613876	0.331983
rs1048108	1.105499	0.332776	0.984346	1	0.332776
rs17011368	1.189499	0.333457	0	1	0.333457
rs1078543	1.121056	0.333893	1.042333	0.834592	0.333893
rs17738527	1.103104	0.334874	0.8133	0.368063	0.334874
rs1870377	1.10536	0.335095	1.011985	0.915215	0.335095
rs1061622	1.103243	0.335447	1.020382	0.914719	0.335447
rs4236480	1.104349	0.336092	0.905255	0.754288	0.336092
rs11666735	1.032138	0.836881	1.609619	0.337686	0.337686

rs13787	1.109628	0.37026	0.88313	0.337842	0.337842
rs4145748	1.122031	0.457976	1.607348	0.338261	0.338261
rs4149963	0.980823	0.943333	0.304836	0.338655	0.338655
rs10895068	1.145769	0.364682	1.60538	0.338763	0.338763
rs940389	0.904338	0.338979	0.9807	1	0.338979
rs3749195	0.986653	0.910399	0.887192	0.339054	0.339054
rs1801105	0.874684	0.33947	0.891282	1	0.33947
rs1043307	1.102068	0.340235	0.882521	0.582023	0.340235
rs1805323	0.810146	0.34045	0	1	0.34045
rs17203645	1.311135	0.341135			0.341135
rs1286823	1.117206	0.342029	1.082536	0.817454	0.342029
rs3218634	0.857189	0.343107	1.201964	0.733381	0.343107
rs1801702	0.727717	0.344441			0.344441
rs2111543	0.767066	0.344873	0	1	0.344873
rs17165851	1.13343	0.345895	0.921192	1	0.345895
rs12500797	0.947931	0.708652	0.517234	0.346272	0.346272
rs2230674	0.818853	0.346508	0	1	0.346508
rs12440118	0.987753	0.955278	0.683158	0.346691	0.346691
rs7537203	1.114224	0.346831	1.144397	0.698292	0.346831
rs2294008	0.902271	0.347675	1.046396	0.70738	0.347675
rs805657	1.034088	0.786318	0.672695	0.347901	0.347901
rs10134365	0.90462	0.348185	0.924774	0.898652	0.348185
rs1799807	1.268843	0.349868			0.349868
rs3735156	1.331663	0.35048			0.35048
rs11567997	1.200715	0.350652			0.350652
rs8142477	1.124839	0.352939	1.271287	0.521443	0.352939
rs12192544	1.102765	0.354469	0.810562	0.533957	0.354469
rs11571833	1.339978	0.354877			0.354877
rs1042602	0.90714	0.354897	0.975158	0.941554	0.354897
rs1799814	1.176977	0.355972	1.303192	0.584608	0.355972
rs8940	1.105829	0.358411	1.030106	0.888504	0.358411
rs11573590	0.73545	0.35845	0	1	0.35845
rs9436	0.974857	0.83932	1.189866	0.359439	0.359439
rs3218599	0.728684	0.359816	0	1	0.359816
rs3208856	0.809382	0.360941	0	1	0.360941
rs2291739	1.106357	0.36257	0.880512	0.367415	0.36257
rs10409962	1.141895	0.362603	0.371125	0.490028	0.362603
rs1048135	0.902259	0.363458	0.917561	0.513236	0.363458
rs2274407	1.146832	0.364517	0.37046	0.489997	0.364517
rs2271462	0.70628	0.364796	0	1	0.364796
rs3752095	1.004761	0.953347	1.366163	0.365296	0.365296
rs10380	0.881663	0.365405	0.904793	1	0.365405
rs4874147	0.911077	0.365417	0.885547	0.572633	0.365417
rs10494217	1.100901	0.366076	1.237305	0.39553	0.366076
rs3218536	1.128255	0.368247	0.70735	0.786097	0.368247
rs7998427	1.035526	0.762287	1.149366	0.3684	0.3684
rs1885137	1.104112	0.3684	0.969505	0.845918	0.3684
rs11159	0.927415	0.666908	0	0.370417	0.370417
rs9999999964	1.339315	0.370644			0.370644
rs1532918	1.051438	0.685724	1.338072	0.370912	0.370912
rs12146727	0.960832	0.770538	1.336964	0.371149	0.371149
rs473267	0.917307	0.420014	1.181387	0.372698	0.372698
rs4149525	0.930394	0.594064	1.394122	0.377519	0.377519
rs532411	0.865117	0.380046	1.200982	0.733508	0.380046
rs947895	0.975131	0.838085	0.863409	0.380286	0.380286

rs487848	0.863409	0.380286	1.202455	0.733318	0.380286
rs1051931	1.001433	1	1.220471	0.380295	0.380295
rs2066703	0.977641	0.94335	0	0.38126	0.38126
rs11569017	0.96109	0.869803	0	0.38126	0.38126
rs17041850	0.861719	0.454889	0	0.381297	0.381297
rs291466	0.949558	0.635412	1.120716	0.383133	0.383133
rs1527482	0.590923	0.387036			0.387036
rs9606739	1.092128	0.388152	0.815264	0.406139	0.388152
rs3219489	0.91476	0.389694	0.895768	0.69221	0.389694
rs2307145	0.839339	0.390287	1.735876	0.505194	0.390287
rs17246389	0.913931	0.391523	0.886201	0.617421	0.391523
rs1975937	0.906802	0.392596	0.899826	0.882847	0.392596
rs1760897	0.916509	0.39262	1.01165	0.932938	0.39262
rs11756977	1.091053	0.393683	0.926671	0.782151	0.393683
rs4619	0.972666	0.799323	1.139244	0.394123	0.394123
rs11604561	0.940302	0.671514	1.427116	0.39482	0.39482
rs1128431	0.861128	0.396418	1.202455	0.733318	0.396418
rs1345658	1.106184	0.399033	1.106907	0.402156	0.399033
rs3212254	0.863811	0.487585	1.958156	0.399691	0.399691
rs2005199	0.901622	0.583866	1.957979	0.399707	0.399707
rs373572	0.926683	0.481047	0.83891	0.400096	0.400096
rs2304029	0.862745	0.454626	1.952394	0.400194	0.400194
rs1334811	0.829337	0.400336	0	1	0.400336
rs11549465	0.881867	0.403076	0.824224	1	0.403076
rs3758938	0.958871	0.687493	1.140486	0.403087	0.403087
rs160277	0.964418	0.75659	1.116426	0.405601	0.405601
rs10500557	0.84424	0.471272	2.644397	0.4057	0.4057
rs10330	0.89932	0.405759	1.295259	0.516329	0.405759
rs10735810	0.91581	0.407181	0.960165	0.831116	0.407181
rs17301766	0.915277	0.409018	1.074082	0.714878	0.409018
rs4987117	1.09161	0.621817	2.606992	0.409745	0.409745
rs2278106	0.984209	1	2.606992	0.409745	0.409745
rs1800058	1.233087	0.417112	2.602754	0.410209	0.410209
rs6926628	1.080977	0.68934	2.596398	0.410907	0.410907
rs11959820	1.171994	0.411165	0	0.598003	0.411165
rs1054480	1.047619	0.65165	1.148731	0.411231	0.411231
rs3758449	0.91093	0.411435	1.042538	0.756146	0.411435
rs17742683	1.054899	0.698389	0.449737	0.411612	0.411612
rs2294013	1.003994	1	0.861636	0.41212	0.41212
rs2854184	0.985307	0.916498	1.116515	0.412148	0.412148
rs1049544	0.917656	0.415811	1.080532	0.637765	0.415811
rs4148301	0.882654	0.415846	1.240334	0.596814	0.415846
rs3745764	0.918336	0.417657	1.072938	0.754704	0.417657
rs1801376	0.951877	0.651358	1.155003	0.418394	0.418394
rs532598	1.089885	0.420132	1.106177	0.55443	0.420132
rs1056836	0.979314	0.867974	1.100984	0.420822	0.420822
rs3733011	0.931823	0.585555	0.630081	0.42083	0.42083
rs731170	1.088285	0.421137	1.135805	0.439535	0.421137
rs5498	0.918964	0.421836	0.994735	1	0.421836
rs1021737	0.953955	0.651582	0.843735	0.422265	0.422265
rs776746	0.875362	0.422606	0.345931	0.493919	0.422606
rs1868024	0.925142	0.472042	0.80229	0.423015	0.423015
rs5880	1.021184	0.869702	1.736879	0.424192	0.424192
rs2830585	1.046386	0.700895	0.715036	0.424367	0.424367
rs11254408	1.005368	0.955683	0.715285	0.424381	0.424381
rs3180098	1.053935	0.615634	1.143343	0.425539	0.425539

rs8192284	0.917234	0.42901	0.901072	0.463762	0.42901
rs3107275	0.920194	0.432198	0.971505	0.891575	0.432198
rs1860447	1.132653	0.432588	0.867304	1	0.432588
rs6138482	1.084436	0.433252	1.177823	0.525385	0.433252
rs1136410	1.091003	0.434551	0.953994	1	0.434551
rs4715630	1.031335	0.761028	1.180739	0.436238	0.436238
rs7978197	1.240839	0.43769	0	1	0.43769
rs1042522	1.022314	0.840035	0.845264	0.439997	0.439997
rs3218649	1.059255	0.577301	0.876797	0.442362	0.442362
rs2356590	0.727649	0.443103	0	1	0.443103
rs2429387	0.718495	0.444709			0.444709
rs2277119	1.085517	0.444723	0.962302	1	0.444723
rs123509	1.085337	0.445016	0.870235	0.607207	0.445016
rs1058768	1.086237	0.445029	0.993816	1	0.445029
rs4987236	0.880805	0.449032	0.945377	1	0.449032
rs1573496	0.91567	0.521756	1.363002	0.451351	0.451351
rs3810813	1.027512	0.878191	1.565745	0.451863	0.451863
rs2303080	0.830122	0.456451	0	1	0.456451
rs2288675	0.921907	0.460659	0.96937	0.858151	0.460659
rs1805005	1.091329	0.462678	0.745315	0.808446	0.462678
rs1044243	1.035923	0.762536	1.27672	0.463345	0.463345
rs4987068	1.182348	0.465251	0	1	0.465251
rs766173	1.156	0.467484	0	1	0.467484
rs2294451	0.923368	0.467594	0.896475	0.721022	0.467594
rs2271023	0.836547	0.470952	0	1	0.470952
rs1801673	1.407973	0.47171			0.47171
rs1046428	1.080419	0.472525	0.875893	0.721816	0.472525
rs970547	0.923375	0.472539	1.025667	0.908091	0.472539
rs10509681	0.911496	0.475158	0.866097	1	0.475158
rs2229357	1.07746	0.478158	1.081602	0.67699	0.478158
rs1048201	0.921162	0.478847	1.015621	1	0.478847
rs2072193	0.88348	0.480965	0.804076	1	0.480965
rs1057037	1.105898	0.481566	0.975	1	0.481566
rs2304306	1.176473	0.482223	0	1	0.482223
rs1051740	0.930557	0.482253	0.92793	0.725665	0.482253
rs733743	1.09408	0.523369	1.422824	0.482794	0.482794
rs2229774	1.105278	0.498502	1.41678	0.484341	0.484341
rs3769148	0.919459	0.487059	1.001769	1	0.487059
rs1328361	1.074349	0.530973	0.89706	0.488431	0.488431
rs1990236	1.077323	0.489476	0.982968	1	0.489476
rs458017	1.101927	0.527971	0.370309	0.48999	0.48999
rs11858624	1.066159	0.659802	0.37046	0.489997	0.489997
rs2074654	1.012946	0.936848	0.370611	0.490005	0.490005
rs3195676	1.056495	0.658054	1.087713	0.490287	0.490287
rs648802	0.931205	0.512179	0.909898	0.490664	0.490664
rs12828016	0.966489	0.754846	0.898288	0.490801	0.490801
rs2228529	0.927959	0.495312	0.977561	1	0.495312
rs2228526	0.924985	0.495377	0.975412	1	0.495377
rs2306029	1.014577	0.912505	1.084216	0.495668	0.495668
rs3104233	1.170329	0.500117	0	1	0.500117
rs1805318	0.795039	0.500188			0.500188
rs17656320	0.97298	0.826458	0.912751	0.500388	0.500388
rs4780144	1.157357	0.500552	0	1	0.500552
rs2941256	0.990067	1	0.647169	0.501368	0.501368
rs4648072	0.647655	0.501423			0.501423
rs17766354	0.858597	0.502125	0	1	0.502125

rs9999999948	0.32402	0.502637			0.502637
rs1564481	0.929691	0.50288	0.977618	0.941526	0.50288
rs10046	1.063636	0.616161	1.083811	0.503043	0.503043
rs17409304	1.006917	0.959627	0.89777	0.503415	0.503415
rs17822471	1.103225	0.504447	1.040085	1	0.504447
rs3737506	0.841702	0.512589	1.737288	0.504934	0.504934
rs533617	0.956564	0.922729	1.736582	0.505064	0.505064
rs682632	0.908624	0.699604	1.735876	0.505194	0.505194
rs12449580	0.934539	0.559361	1.179278	0.506861	0.506861
rs7698628	0.931629	0.507082	1.097698	0.531897	0.507082
rs7675987	0.932553	0.507596	1.023017	0.884033	0.507596
rs7487683	0.86277	0.507612	0.867232	1	0.507612
rs11022079	0.988228	0.920002	0.879577	0.508094	0.508094
rs2277339	0.966581	0.849041	1.342158	0.508924	0.508924
rs1716	1.070161	0.512173	1.004956	1	0.512173
rs8065506	1.070052	0.512242	0.999891	1	0.512242
rs1800124	0.798857	0.512275			0.512275
rs3829462	0.798519	0.512291	0	1	0.512291
rs9568497	1.062897	0.592472	0.909996	0.514217	0.514217
rs321937	0.947616	0.678508	1.305376	0.514629	0.514629
rs11653658	0.941122	0.717285	1.493284	0.515141	0.515141
rs17807673	1.03548	0.777697	1.240722	0.517977	0.517977
rs2435381	0.954	0.651033	1.120033	0.520828	0.520828
rs16872235	1.081613	0.521195	0.976044	1	0.521195
rs1050152	1.038179	0.746972	0.912351	0.521639	0.521639
rs2758346	1.081003	0.555093	1.071814	0.524727	0.524727
rs208753	1.030621	0.793236	1.176705	0.525547	0.525547
rs2275848	0.932195	0.526411	0.964622	1	0.526411
rs11264542	0.987013	0.917466	1.164819	0.527728	0.527728
rs233223	1.00587	0.960001	0.874315	0.527786	0.527786
rs4785963	0.966227	0.762612	0.878402	0.527811	0.527811
rs2073478	1.073913	0.528101	0.917918	0.587555	0.528101
rs933135	1.182772	0.529934	0	1	0.529934
rs17349	0.915655	0.53185	0.79941	0.807538	0.53185
rs17368402	0.932125	0.589319	1.229095	0.531982	0.531982
rs1799954	0.681512	0.533318			0.533318
rs2275272	1.002713	1	0.681793	0.533324	0.533324
rs10787428	0.96383	0.716777	0.907826	0.534084	0.534084
rs1921	1.070844	0.53441	1.022173	0.88816	0.53441
rs8069344	1.018305	0.863026	0.646368	0.53805	0.53805
rs2281891	0.928012	0.538143	1.159041	0.637166	0.538143
rs1537232	0.930006	0.53925	1.143314	0.639881	0.53925
rs1801282	0.918825	0.539534	0.909925	1	0.539534
rs1760904	1.010041	0.955971	0.924096	0.541082	0.541082
rs6761637	0.883575	0.541083	0	1	0.541083
rs1045142	0.956417	0.687513	0.878667	0.541405	0.541405
rs2660744	1.069342	0.541722	1.040693	0.866041	0.541722
rs3740469	0.936418	0.542176	1.024507	0.911505	0.542176
rs3793524	0.93574	0.54218	1.058633	0.697197	0.54218
rs853684	0.985731	0.916088	1.0811	0.542772	0.542772
rs2287926	0.921873	0.543815	1.159857	0.679966	0.543815
rs2372536	0.937963	0.544667	1.023944	0.868276	0.544667
rs2857713	0.947583	0.612987	0.868601	0.546008	0.546008
rs1799930	1.066365	0.546854	1.060157	0.719241	0.546854
rs1056185	0.970552	0.794031	0.917991	0.548933	0.548933
rs3739922	1.122258	0.548989	0	0.597997	0.548989

rs281439	0.959023	0.717947	0.825345	0.5524	0.5524
rs17822931	0.926326	0.553096	1.06637	0.850412	0.553096
rs3744679	1.102569	0.555047	0	1	0.555047
rs1061769	1.068765	0.555163	0.929151	0.603531	0.555163
rs2231909	0.936576	0.5596	1.032841	0.792222	0.5596
rs17618795	0.981226	0.945519	0.546473	0.559607	0.559607
rs1409986	0.913034	0.581753	0.520469	0.561071	0.561071
rs4646491	0.927537	0.562432	0.719373	0.668571	0.562432
rs2272996	1.062016	0.57993	1.117216	0.564397	0.564397
rs2228527	0.939663	0.564745	1.030998	0.897109	0.564745
rs3744581	1.001958	1	0.846809	0.567699	0.567699
rs2228001	0.953167	0.63926	1.080898	0.567877	0.567877
rs1125488	1.080133	0.570225	1.202946	0.733255	0.570225
rs2289664	1.122357	0.573302	0	1	0.573302
rs25644	0.949238	0.711724	1.374394	0.57375	0.57375
rs8082898	0.800388	0.573865			0.573865
rs3793771	1.060482	0.574262	0.943916	0.910878	0.574262
rs6456880	1.005536	1	0.915097	0.575115	0.575115
rs1800067	1.084522	0.577636	0.917272	1	0.577636
rs3088142	0.991428	0.957738	1.075907	0.579159	0.579159
rs723685	0.985153	0.9461	1.305021	0.584013	0.584013
rs3213218	1.302436	0.5848			0.5848
rs2227869	0.989215	1	1.301907	0.584936	0.584936
rs4149909	1.003634	1	1.301907	0.584936	0.584936
rs2020955	1.301377	0.585072			0.585072
rs2266691	1.301377	0.585072			0.585072
rs11539696	1.054535	0.751849	1.301377	0.585072	0.585072
rs710187	0.941385	0.587912	0.966446	0.849119	0.587912
rs3136820	1.026745	0.865084	0.930456	0.587965	0.587965
rs937838	1.075083	0.590341	0.821053	1	0.590341
rs17561	1.048678	0.650987	0.890601	0.59058	0.59058
rs324420	0.983163	0.917185	1.140646	0.591307	0.591307
rs6259	0.934532	0.591819	0.762318	0.82575	0.591819
rs9868848	1.095761	0.592959	0.650743	1	0.592959
rs724558	0.940773	0.595112	0.880705	0.701681	0.595112
rs16879334	0.860491	0.59572	0	1	0.59572
rs2287780	0.859747	0.595792	0	1	0.595792
rs12917	0.934636	0.596198	1.178571	0.693735	0.596198
rs1801690	0.960127	0.872015	0	0.597927	0.597927
rs9462088	0.917172	0.677854	0	0.597958	0.597958
rs5491	0	0.597963			0.597963
rs17300141	0.888299	0.683615	0	0.59798	0.59798
rs16937251	1.012452	0.920236	0	0.597997	0.597997
rs1057910	1.084925	0.598304	0.399967	0.71236	0.598304
rs5743291	1.071014	0.600959	1.132943	0.795686	0.600959
rs3738372	1.036994	0.722618	0.880155	0.601176	0.601176
rs700241	0.782309	0.601278			0.601278
rs2295615	0.936566	0.601343	0.855723	0.855177	0.601343
rs7700833	0.767503	0.601361			0.601361
rs17096946	0.766229	0.601373			0.601373
rs2297809	0.932613	0.601601	0.740899	0.66741	0.601601
rs2229571	1.057211	0.605153	0.992056	1	0.605153
rs17580	1.060629	0.736815	0	0.606527	0.606527
rs4866	0.625182	0.607048			0.607048
rs6595908	0.622468	0.607098			0.607098
rs17525809	1.081467	0.608053	0.946535	1	0.608053

rs560096	0.970849	0.822316	1.183645	0.608253	0.608253
rs3206824	0.944216	0.60972	1.043848	0.823212	0.60972
rs5983	0.598573	0.60998			0.60998
rs2235967	1.054306	0.610788	0.985625	1	0.610788
rs2073475	1.057804	0.611675	0.817498	0.734677	0.611675
rs2076485	0.945127	0.612208	1.044244	0.834258	0.612208
rs17293607	1.021533	0.866486	1.161244	0.612589	0.612589
rs17292725	1.099581	0.615553	0	1	0.615553
rs1041935	1.054909	0.615639	0.936675	0.79571	0.615639
rs1760903	1.050191	0.664893	0.934775	0.617052	0.617052
rs140054	1.069582	0.620318	0.867021	1	0.620318
rs17096961	0.944151	0.621891	0.880866	0.76365	0.621891
rs1129923	0.977523	0.895773	1.251906	0.622382	0.622382
rs1481012	1.06553	0.622539	1.012279	1	0.622539
rs2740574	1.105263	0.623575	0	1	0.623575
rs1048101	0.947339	0.625201	0.948237	0.703127	0.625201
rs3731062	0.88309	0.627667	0	1	0.627667
rs2687116	1.102729	0.628259	0	1	0.628259
rs963075	0.96938	0.762222	1.096019	0.629263	0.629263
rs3859866	0.805886	0.632455			0.632455
rs2229032	1.039575	0.738759	0.78441	0.634512	0.634512
rs1801265	0.994489	1	0.862031	0.637592	0.637592
rs7193955	0.95358	0.680287	0.861295	0.637615	0.637615
rs2228615	0.952601	0.638571	0.976763	0.942639	0.638571
rs1805012	0.942492	0.666998	1.161659	0.640765	0.640765
rs162036	0.956493	0.761106	0.715536	0.641082	0.641082
rs6004901	1.098721	0.643223	0	1	0.643223
rs17602729	1.058299	0.643254	1.019777	1	0.643254
rs714181	0.995729	1	1.491793	0.643829	0.643829
rs3917973	1.489233	0.644104			0.644104
rs3826616	1.037209	0.748174	0.936235	0.644295	0.644295
rs6083	0.953073	0.644365	0.981893	0.942269	0.644365
rs827528	0.951213	0.650095	0.980571	1	0.650095
rs2076671	0.955237	0.650228	0.92106	0.677797	0.650228
rs3918021	1.22086	0.651191	0	1	0.651191
rs1941635	0.905735	0.652088	0	1	0.652088
rs2229080	1.047155	0.682524	1.066904	0.655685	0.655685
rs7483	1.042514	0.688041	1.083424	0.656911	0.656911
rs12692566	1.014253	0.915085	0.840359	0.65728	0.65728
rs232518	0.987615	0.917478	1.067895	0.659497	0.659497
rs3800324	1.071952	0.662144	0	1	0.662144
rs2125579	0.988969	0.913566	1.056774	0.662788	0.662788
rs6941583	0.875629	0.663274	0	1	0.663274
rs7258368	1.05906	0.664837	0.895594	1	0.664837
rs988574	0.831079	0.668522			0.668522
rs17841292	0.927638	0.668898	0.432733	0.706222	0.668898
rs198977	0.994697	1	1.090576	0.670817	0.670817
rs3218600	1.087754	0.671279	0	1	0.671279
rs1805087	1.037886	0.750485	1.12314	0.671972	0.671972
rs2232434	0.917355	0.671996	0	1	0.671996
rs1051738	1.0478	0.672124	0.991499	1	0.672124
rs869457	1.036115	0.762679	0.913169	0.672126	0.672126
rs6265	0.954524	0.673495	1.082504	0.780704	0.673495
rs6092	0.982524	0.904344	1.203843	0.673765	0.673765
rs2108978	0.998758	1	1.061575	0.674891	0.674891
rs4252589	1.192995	0.674958			0.674958

rs3752365	1.044982	0.675829	1.053158	0.812024	0.675829
rs269868	1.059244	0.67688	0.867304	1	0.67688
rs8455	1.021683	0.866141	0.944073	0.677547	0.677547
rs17655	0.952765	0.677653	0.920314	0.805563	0.677653
rs4698803	1.042875	0.67925	0.955694	1	0.67925
rs3826942	0.976908	0.839099	1.087241	0.68023	0.68023
rs1045485	1.021749	0.860334	1.153348	0.681024	0.681024
rs1532268	1.04454	0.682136	0.941103	0.717267	0.682136
rs678	0.954861	0.68295	1.002468	1	0.68295
rs7422339	1.013827	0.919882	1.073837	0.683716	0.683716
rs1801133	0.955642	0.685222	0.931908	0.697768	0.685222
rs9306198	0.962794	0.767286	1.128044	0.686129	0.686129
rs2066575	0.955169	0.686469	1.06634	0.755428	0.686469
rs4986910	1.126281	0.686487			0.686487
rs1494558	1.045206	0.68674	0.963304	0.868643	0.68674
rs2228000	0.95882	0.686778	0.930239	0.840903	0.686778
rs560191	0.95578	0.687239	1.042526	0.796768	0.687239
rs2602141	0.957153	0.687575	1.050577	0.795978	0.687575
rs2305799	0.957742	0.763459	0.777302	0.688672	0.688672
rs1122206	1.011128	0.909523	0.75803	0.689366	0.689366
rs838827	1.048276	0.77019	1.15782	0.693958	0.693958
rs2305948	0.942798	0.695588	0.676873	0.787943	0.695588
rs9306230	1.020494	0.840803	0.90384	0.695767	0.695767
rs1367117	1.028395	0.800653	0.933723	0.697829	0.697829
rs10146482	1.050391	0.698523	0.970278	0.854756	0.698523
rs194520	1.046234	0.699267	1.039556	0.760586	0.699267
rs11575951	0.882879	0.701802			0.701802
rs874808	0.956402	0.704313	1.023538	0.844465	0.704313
rs3734797	1.09646	0.704936			0.704936
rs1551886	1.051636	0.705585	0.961538	1	0.705585
rs1044261	0.948438	0.776807	0.431497	0.706303	0.706303
rs1047286	1.023297	0.835243	1.088472	0.706308	0.706308
rs3213409	0.807153	0.70633	0	1	0.70633
rs315675	0.948459	0.707572	1.076571	0.818094	0.707572
rs3204953	0.965289	0.777586	0.772226	0.707946	0.707946
rs676210	1.038896	0.713259	0.878914	0.7086	0.7086
rs25640	0.990843	0.956084	1.052011	0.708795	0.708795
rs240768	0.907907	0.710786	0	1	0.710786
rs11190305	1.04171	0.714686	1.000014	1	0.714686
rs185819	0.990016	0.955466	0.949105	0.717423	0.717423
rs11908296	0.960776	0.719397	0.909337	0.809948	0.719397
rs17811673	0.95828	0.818506	1.300532	0.722014	0.722014
rs13166360	1.038978	0.723888	0.949088	0.918207	0.723888
rs662471	1.03795	0.725434	0.941843	0.791346	0.725434
rs743572	0.978844	0.836989	0.945019	0.726911	0.726911
rs6182	0.848158	0.734024	0	1	0.734024
rs3218170	0.848511	0.734043			0.734043
rs2274750	1.074216	0.734519	0	1	0.734519
rs1211554	0.943922	0.735249	0.614183	0.75538	0.735249
rs6104	0.965108	0.757324	1.086426	0.737585	0.737585
rs3851294	0.95027	0.741485	1.095724	0.778948	0.741485
rs17470454	1.049614	0.74271	1.115198	0.746682	0.74271
rs5368	1.043389	0.743329	0.70735	0.786097	0.743329
rs5361	1.043568	0.744391	0.81063	0.823494	0.744391
rs735943	1.041657	0.744677	1.01908	0.901701	0.744677
rs1141223	0.84906	0.745013			0.745013

rs9999999947	1.116565	0.746452			0.746452
rs3734166	1.025865	0.800426	0.914871	0.753823	0.753823
rs4988492	0.863276	0.754772			0.754772
rs754615	1.036861	0.75498	0.955914	0.782903	0.75498
rs6761641	1.042184	0.786393	0.611765	0.755435	0.755435
rs12897422	0.965271	0.778684	0.837885	0.755965	0.755965
rs1801222	1.035662	0.75862	0.998186	1	0.75862
rs1800390	0.576787	0.758656			0.758656
rs3762697	1.026637	0.824444	1.0903	0.75936	0.75936
rs3775291	0.970015	0.763109	1.053527	0.782817	0.763109
rs2229033	1.087609	0.767131			0.767131
rs2232607	1.070916	0.769468			0.769468
rs2230782	0.988743	1	1.158493	0.770617	0.770617
rs17679445	1.038247	0.775284	1.041614	1	0.775284
rs9282681	0.987356	0.94791	1.097071	0.778757	0.778757
rs12720356	0.961137	0.796025	1.096622	0.77882	0.77882
rs3136797	1.068115	0.782426	0	1	0.782426
rs1185244	0.96667	0.783028	0.975479	0.900124	0.783028
rs2171492	0.988409	0.916777	0.957044	0.78402	0.78402
rs8002697	1.035193	0.784258	1.027784	0.809399	0.784258
rs8192506	1.056605	0.784907	1.041525	1	0.784907
rs12731961	1.016597	0.874328	0.883907	0.78498	0.78498
rs34899	0.987776	0.915502	1.034402	0.790124	0.790124
rs6510130	0.899629	0.790549			0.790549
rs2276211	0.900771	0.790566	0	1	0.790566
rs616114	0.970595	0.792425	1.012994	0.945298	0.792425
rs17099450	0.943763	0.795576	0.74492	1	0.795576
rs8923	0.986198	0.94859	1.132943	0.795686	0.795686
rs3805466	1.047418	0.796264	1.042887	1	0.796264
rs9624909	0.96882	0.79862	1.051737	0.825426	0.79862
rs1058808	0.971685	0.801199	0.989802	1	0.801199
rs2014576	0.976813	0.825046	0.960991	0.801766	0.801766
rs10283100	1.046336	0.803599	0.650159	1	0.803599
rs11568658	1.053395	0.804085	0	1	0.804085
rs1046248	0.981227	0.949453	0.795801	0.8074	0.8074
rs1799802	0.74799	0.808352			0.808352
rs4135012	1.043653	0.816756	0	1	0.816756
rs3750913	0.920142	0.817547	0	1	0.817547
rs2132570	0.974552	0.836927	0.91161	0.81785	0.81785
rs35195	1.026384	0.83824	0.959696	0.822334	0.822334
rs4895943	1.032338	0.822623	1.004361	1	0.822623
rs1047552	1.043848	0.823212	0	1	0.823212
rs7288201	1.035436	0.82431	0	1	0.82431
rs2278831	0.954846	0.827005	0.799281	1	0.827005
rs2243639	0.976029	0.83316	0.964217	0.839252	0.83316
rs3218775	1.041631	0.834683			0.834683
rs2269961	0.975056	0.835488	1.043805	0.898965	0.835488
rs9999999944	0.843941	0.836094			0.836094
rs241419	1.046469	0.841146			0.841146
rs9999999962	1.038085	0.843904	0	1	0.843904
rs4804773	1.02181	0.864727	0.86171	0.846208	0.846208
rs2287749	1.008736	0.954054	0.825839	0.847253	0.847253
rs17755373	1.088462	0.848745			0.848745
rs17684521	0.946457	0.848999	0	1	0.848999
rs2228331	1.00753	0.95993	0.948938	0.850865	0.850865
rs17286891	1.024024	0.852885	0.927198	1	0.852885

rs7225107	0.884008	0.854772			0.854772
rs3764340	1.030342	0.861434	0.743403	1	0.861434
rs5744204	0.899329	0.862			0.862
rs12651301	1.006626	0.959868	0.956959	0.869862	0.869862
rs17027633	1.022603	0.87068	1.040254	1	0.87068
rs11102001	0.962538	0.874129	0	1	0.874129
rs2104978	0.965486	0.878842	1.041277	1	0.878842
rs11976480	0.984223	0.879578	1.021372	0.931264	0.879578
rs2241384	1.000728	1	0.909695	0.882575	0.882575
rs9438	1.013553	0.917365	1.018916	0.888345	0.888345
rs2234500	0.969535	0.891616	0.902939	1	0.891616
rs11466111	1.030421	0.891619	0	1	0.891619
rs4667591	1.010663	0.917275	1.042731	0.896501	0.896501
rs1802376	0.931442	0.901009	0	1	0.901009
rs3218642	0.926758	0.903477	0	1	0.903477
rs17472401	1.033678	0.905847	0	1	0.905847
rs3734354	0.983831	0.907563	0.932871	1	0.907563
rs17514547	0.946931	0.915519	0	1	0.915519
rs17010021	0.955844	0.923794			0.923794
rs6945306	0.99401	0.959974	0.970817	0.927337	0.927337
rs1064524	1.016116	0.932125	0.649894	1	0.932125
rs1758567	0.972399	0.935554	0.655182	1	0.935554
rs16943991	1.016541	0.939981	0.86695	1	0.939981
rs7406910	1.007252	0.947083	0.832821	1	0.947083
rs12350212	1.004864	0.94926	0.918398	1	0.94926
rs169068	0.996467	1	0.98714	0.949846	0.949846
rs2240308	1.008772	0.955495	0.984131	0.951847	0.951847
rs1051992	0.989898	0.955903	0.992009	1	0.955903
rs1801689	0.993813	1	0	1	1
rs6499	0.890548	1			1
rs11571746	0	1			1
rs2066815	0	1			1
rs1024196	0.998812	1	0.519703	1	1
rs2307313	0	1			1
rs8191844	0	1			1
rs4986771	0.986638	1	0	1	1
rs2303743	0	1			1
rs4986761	0.975732	1			1
rs3087469	0	1			1
rs3219012	0.801309	1			1
rs1611770	0	1			1
rs1805324	0.985599	1	0	1	1
rs2066455	0	1			1
rs11571747	1.041702	1			1
rs17116056	1.0045	1	0.866525	1	1
rs16952692	1.001412	1			1
rs4534	1.001899	1	0	1	1
rs4150521	0.990151	1			1
rs3136025	0	1			1
rs5713	0.981434	1			1
rs4151539	0	1			1
rs1145231	0	1			1
rs2307289	0.577684	1			1
rs2020873	0	1			1
rs1805378	0.651596	1			1
rs2069522	0.947453	1			1

rs2228637	0.981703	1			1
rs4878199	0.997957	1	0	1	1
rs2290427	1.007831	1	0	1	1
rs3219062	0.692994	1			1
rs4253047	1.007093	1			1
rs2227945	0	1			1
rs6267	0	1			1
rs11574151	0	1			1
rs17545756	1.003245	1	0.649894	1	1
rs13406898	0	1			1
rs3176750	0	1			1
rs3768235	0.996803	1	0.867232	1	1
rs6258	0.917118	1			1
rs2307254	1.039829	1			1
rs8191246	0	1			1
rs1801426	0	1			1
rs1059199	0	1			1
rs11569705	0.975798	1			1
rs17129219	0.800261	1			1
rs4987047	0	1			1
rs5031050	0	1			1
rs2229137	0	1			1
rs11569892	0.950123	1			1
rs3087401	0	1			1
rs5794	0.886632	1			1
rs1056104	1.002614	1	0.693617	1	1
rs9999999936	0.867585	1			1
rs4660	0	1			1
rs3092856	0	1			1
rs2307413	0	1			1
rs11569636	0	1			1
rs6472285	0.967851	1	0	1	1
rs9999999914	0.650159	1			1
rs8190955	0.649894	1			1
rs3730933	0	1			1
rs8178318	0	1			1
rs3218707	0	1			1
rs9658187	0	1			1
rs2131107	0	1			1
rs1047769	0.996446	1	0.867232	1	1
rs2271815	0.831795	1			1
rs5744760	0	1			1
rs2230210	0.867804	1			1
rs4150342	0.975815	1	0	1	1
rs671	0	1			1
rs4986907	0	1			1
rs5969	0	1			1
rs1065751	0	1			1
rs3918234	0.975798	1			1
rs6100	0	1			1
rs5743813	0	1			1
rs9999999921	0	1			1
rs2020880	0	1			1
rs2227279	0	1			1
rs7273698	0	1			1
rs17110563	0.577448	1			1

rs4987024	0.916202	1			1
rs11572103	1.041189	1			1
rs1145234	0	1			1
rs2232642	0	1			1
rs17773251	0.987116	1	0.820381	1	1
rs9331936					
rs2228257					
rs3739186					
rs2227914					

**Table 5 (supplementary information online):** Table 5 gives details of the 40 SNPs in BRCA1, BRCA2 and ATM that were selected for genotyping. PolyPhen (31), SIFT (32) and Grantham matrix (30) scores, the anticipated success for genotyping by Illumina and the outcome of the genotyping are also shown. For 25 of the 41 SNPs there was at least one variant allele amongst cases or controls and the SNP was successfully genotyped in >99% of samples. Results for these 25 SNPs are shown in table 1.

gene	rs number	reference residue	substitute residue	amino acid position	PolyPhen (score)	SIFT (score)	Grantham matrix (score)	anticipated success	outcome
BRCA1	1799967	M	I	1652	benign (0.547)	not classifiable	conservative (10)	80-85%	failed
BRCA1	1799966	S	G	1613	benign (0.038)	tolerated (0.08)	moderately conservative (56)	90-95%	typed
BRCA1	16942	K	R	1183	benign (0.015)	tolerated (1.00)	conservative (26)	80-85%	typed
BRCA1	2227945	S	G	1140	benign (0.709)	tolerated (0.30)	moderately conservative (56)	80-85%	typed
BRCA1	4986852	S	N	1040	benign (0.255)	N/A	conservative (46)	80-85%	typed <99%
BRCA1	4986848	F	S	989	benign (0.193)	tolerated (1.00)	radical (155)	30-50%	invariant
BRCA1	4986847	I	L	925	benign (0.899)	damaging (0.01)	conservative (5)	30-50%	invariant
BRCA1	4986850	D	N	693	benign (0.832)	N/A	conservative (43)	80-85%	typed
BRCA1	1799950	Q	R	356	possibly damaging (1.965)	damaging (0.03)	conservative (43)	90-95%	typed
BRCA2	766173	N	H	289	possibly damaging (1.851)	tolerated (0.54)	moderately conservative (68)	80-85%	typed
BRCA2	144848	N	H	372	benign (0.546)	tolerated (0.90)	moderately conservative (68)	90-95%	typed
BRCA2	1046984	S	F	599	benign (0.176)	tolerated (0.72)	radical (155)	40-60%	failed
BRCA2	2227943	L	S	929	benign (0.102)	tolerated (0.22)	moderately radical (145)	80-85%	invariant
BRCA2	1799944	N	D	991	benign (0.073)	tolerated (1.00)	conservative (23)	80-85%	failed
BRCA2	2219594	H	N	1561	probably damaging(2.307)	tolerated (0.58)	moderately conservative (68)	30-50%	invariant
BRCA2	11571657	N	K	1880	borderline (1.074)	damaging (0.05)	moderately conservative (94)	30-50%	failed
BRCA2	4987117	T	M	1915	benign (0.574)	N/A	moderately conservative (81)	80-85%	typed
BRCA2	1799954	R	C	2034	possibly damaging (1.553)	tolerated (0.11)	radical (180)	80-85%	typed
BRCA2	4986860	H	R	2440	benign (0.966)	N/A	conservative (29)	80-85%	typed

BRCA2	169547	V	A	2466	borderline (1.413)	not classifiable	moderately conservative (64)	90-95%	invariant
BRCA2	11571707	I	T	2490	possibly damaging (1.743)	N/A	moderately conservative (89)	80-85%	invariant
BRCA2	11571746	S	P	2835	benign (0.306)	N/A	moderately conservative (74)	80-85%	typed
BRCA2	11571747	E	A	2856	benign (0.868)	tolerated (0.16)	moderately radical (107)	30-50%	typed
BRCA2	4987047	I	F	2944	possibly damaging (1.734)	N/A	conservative (21)	80-85%	typed
BRCA2	11571833	K	STOP	3326	no prediction	no prediction		30-50%	typed
BRCA2	1801426	I	V	3412	benign (0.910)	tolerated (0.32)	conservative (29)	80-85%	typed
ATM	2234997	D	E	126	benign (0.326)	tolerated (0.29)	conservative (45)	80-85%	failed
ATM	3218707	V	L	182	benign (0.872)	tolerated (0.05)	conservative (32)	80-85%	typed
ATM	4987945	L	V	546	borderline (1.151)	tolerated	conservative (32)	80-85%	typed
ATM	2235006	F	L	582	benign (0.705)	tolerated (0.27)	conservative (22)	30-50%	typed
ATM	4986761	S	P	707	benign (0.409)	tolerated (0.29)	moderately conservative (74)	80-85%	typed
ATM	3218695	D	E	814	borderline (1.389)	not classifiable	conservative (45)	80-85%	typed
ATM	1800056	F	L	858	possibly damaging (1.944)	not classifiable	conservative (22)	80-85%	typed
ATM	3092857	M	V	1040	benign (0.784)	tolerated (0.77)	conservative (21)	80-85%	invariant
ATM	1800057	P	R	1054	probably damaging(2.621)	damaging (0.00)	moderately radical (103)	80-85%	typed
ATM	3092856	H	Y	1380	benign (0.308)	tolerated (1.00)	moderately conservative (83)	80-85%	typed
ATM	1800058	L	F	1420	borderline (1.457)	tolerated (0.09)	conservative (22)	80-85%	typed
ATM	1801673	D	V	1853	probably damaging(2.511)	damaging (0.00)	radical (152)	80-85%	typed
ATM	3218680	G	S	2709	possibly damaging (1.917)	damaging (0.00)	moderately conservative (56)	80-85%	invariant
ATM	17174393	non coding				N/A		80-85%	invariant/failed