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CHR9:107703934	2487032	9	107703934
CHR9:107703934	2487032	9	107703934
CHR9:136128654	190394322	9	136128654
CHR9:136132699	556271118	9	136132699
CHR9:136133075	566680282	9	136133075
CHR9:136138316	587772957	9	136138316
CHR9:136146250	184029852	9	136146250
CHR9:136153058	587594880	9	136153058
CHR9:136193037	76416297	9	136193037
CHR9:136193037	76416297	9	136193037
CHR9:136193781	201438659	9	136193781
CHR9:136195865	58252853	9	136195865
CHR9:136197286	551169	9	136197286
CHR9:136197286	551169	9	136197286
CHR9:137504061		9	137504061
CHR9:137513490	78709263	9	137513490
CHR9:137513490	78709263	9	137513490
CHR10:13178766	75654767	10	13178766

CHR10:13178766	75654767	10	13178766
CHR10:70000881	1900004	10	70000881
CHR10:70000881	1900004	10	70000881
CHR14:60971137	1018533	14	60971137
CHR14:60971137	1018533	14	60971137
CHR14:61072875	10483727	14	61072875
CHR14:61072875	10483727	14	61072875
CHR14:75139392	143377610	14	75139392
CHR14:75142142	149459971	14	75142142
CHR14:75158377	142462448	14	75158377
CHR14:75172187		14	75172187
CHR14:75185301	368184334	14	75185301
CHR14:75188877	376719842	14	75188877
CHR16:8896931	3785176	16	8896931
CHR16:8896931	3785176	16	8896931
CHR16:8908811	8057024	16	8908811
CHR16:8908811	8057024	16	8908811
CHR16:8908857	13332985	16	8908857
CHR16:8912742	67792030	16	8912742
CHR16:8912742	67792030	16	8912742
CHR16:8941234	540303696	16	8941234
CHR16:88480228	377561280	16	88480228
CHR17:9968071		17	9968071
CHR17:9968075		17	9968075
CHR17:9968078	200525278	17	9968078
CHR17:9968097	8080535	17	9968097
CHR17:9968168	8080112	17	9968168
CHR17:9968419	12603210	17	9968419
CHR17:9970463	56979842	17	9970463
CHR17:9970474	8072698	17	9970474
CHR17:9970563	8077367	17	9970563
CHR17:9970600	8077380	17	9970600
CHR17:9971058	8072479	17	9971058
CHR17:9971121	9913492	17	9971121
CHR17:9972709	12601125	17	9972709
CHR17:10020501	9897123	17	10020501
CHR17:10020501	9897123	17	10020501
CHR17:10031183	9913911	17	10031183
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CHR17:10086690	72810945	17	10086690
CHR17:10091568	72810953	17	10091568
CHR17:10094128	72810958	17	10094128
CHR17:10094437	141427698	17	10094437

rsquare	other_allele	effect_allele	beta
0.92286	T	G	0.1706
0.92237	T	A	0.2328
0.93337	C	A	0.19
0.97689	A	G	0.008836
0.97689	A	G	0.009441
0.80764	C	A	-0.09135
0.83914	C	T	-0.08366
0.87151	A	G	-0.04271
0.87151	A	G	-0.02869
0.87622	C	A	-0.04581
0.87668	G	A	-0.04491
0.8432	G	A	-0.08442
0.84831	G	A	-0.08659
0.84831	G	A	-0.07938
0.88164	C	T	-0.04218
0.88164	C	T	-0.02855
0.84277	T	C	-0.08244
0.84595	A	C	-0.075
0.84599	A	C	-0.07498
0.84604	A	C	-0.07499
0.84608	A	C	-0.07498
0.85246	G	C	-0.08545
0.85246	G	C	-0.07796
0.84202	C	T	-0.08278
0.81552	AT	A	-0.08095
0.81552	AT	A	-0.07606
0.85006	C	T	-0.08579
0.85006	C	T	-0.07829
0.8677	G	GT	-0.07624
0.8677	G	GT	-0.06622
0.84218	G	T	-0.08453
0.84044	T	C	-0.08338
0.93956	A	G	-0.03299
0.93956	A	G	-0.0178
0.84755	G	A	-0.08629
0.84755	G	A	-0.07867
0.83999	C	T	-0.08499
0.83812	T	C	-0.08407
0.83812	T	C	-0.0755
0.83841	G	C	-0.08393
0.83861	AT	A	-0.08403
0.86231	A	C	-0.07462
0.86231	A	C	-0.06412
0.86686	ATCTT	A	-0.0766
0.86686	ATCTT	A	-0.0662
0.83628	G	T	-0.0836
0.89838	G	A	-0.0505

0.82126 A	T	-0.0873
0.82126 A	T	-0.07675
0.82109 T	A	-0.08732
0.82109 T	A	-0.07679
0.82093 A	T	-0.08733
0.82093 A	T	-0.0768
0.82076 T	G	-0.08733
0.82076 T	G	-0.07681
0.8206 A	G	-0.08736
0.8206 A	G	-0.07683
0.82044 TA	T	-0.08736
0.82044 TA	T	-0.07685
0.81058 T	C	-0.08705
0.81058 T	C	-0.07898
0.81917 G	A	-0.0878
0.81917 G	A	-0.08104
0.85157 C	T	-0.07633
0.85157 C	T	-0.06646
0.80519 T	C	-0.08719
0.80519 T	C	-0.07753
0.80912 T	C	-0.0866
0.80912 T	C	-0.0799
0.83607 T	A	-0.07689
0.83607 T	A	-0.06711
0.83015 T	C	-0.07707
0.83015 T	C	-0.06735
0.97743 T	C	0.04974
0.97776 T	C	0.04968
0.97173 G	T	0.0496
0.98098 C	CTTGT	0.04968
0.97883 G	A	0.04985
0.97092 A	G	0.05071
0.96726 A	G	0.05058
0.96309 C	T	0.05081
0.96178 T	C	0.05097
0.95945 T	G	0.05126
0.95904 G	A	0.0518
0.95834 G	A	0.05189
0.95673 A	G	0.05213
0.95656 T	G	0.05211
0.86692 C	T	0.5103
0.92573 T	C	0.09611
0.91841 A	G	0.09426
0.90854 T	C	0.09394
0.89535 A	G	0.09584
0.87401 T	G	0.09401
0.90372 A	G	-0.04358
0.90372 G	A	-0.04223

0.90085 G	T	-0.04232
0.88949 G	A	0.1195
0.86384 T	A	-0.12
0.88739 C	T	0.1248
0.88934 T	A	0.125
0.83207 T	C	-0.1275
0.89172 T	G	0.1261
0.82117 T	C	-0.1299
0.82037 G	GA	-0.1314
0.81983 T	A	-0.133
0.92477 G	GAGAC	0.1595
0.92477 G	GAGAC	0.1444
0.87742 GT	G	-0.1316
0.88298 G	C	0.1644
0.88298 G	C	0.1571
0.84395 C	A	-0.1333
0.84369 T	TA	-0.1333
0.84342 G	T	-0.1333
0.87502 A	G	0.1646
0.87502 A	G	0.1583
0.87368 T	G	0.1612
0.87368 T	G	0.1576
0.82223 A	C	-0.1342
0.8179 A	G	-0.1124
0.8179 A	G	-0.1357
0.87372 T	A	0.1607
0.87372 T	A	0.1575
0.84519 A	G	-0.02098
0.84519 A	G	-0.0116
0.86574 T	G	-0.3082
0.80731 C	G	-0.05467
0.96525 C	T	0.03726
0.97431 C	G	0.03994
0.97463 TTTA	T	0.03686
0.97019 TATAC	T	0.04482
0.97019 TATAC	T	0.04325
0.96839 C	T	0.04269
0.96839 C	T	0.04136
0.96614 A	G	0.07508
0.96383 A	G	-0.03435
0.96383 A	G	-0.03551
0.99185 G	T	-0.03212
0.99185 G	T	-0.03693
0.95981 T	C	-0.03317
0.95981 T	C	-0.03159
0.95943 C	T	-0.05123
0.82196 A	T	0.255
0.82185 G	T	0.2716

0.86084 C	T	0.2521
0.895 T	G	0.2256
0.9049 G	A	-0.00647
0.9049 G	A	-0.009501
0.82041 T	G	0.2263
0.53235 T	C	-0.01738
0.53235 T	C	-0.01402
0.98683 A	G	-0.01118
0.98683 A	G	-0.003866
0.93268 C	T	0.01078
0.93268 C	T	0.005432
0.935 T	C	-0.01048
0.935 T	C	-0.002724
0.88692 T	C	0.213
0.83769 A	T	0.02829
0.83769 A	T	0.0431
0.99792 A	C	0.01292
0.99792 A	C	0.011
0.99743 A	C	0.0128
0.99743 A	C	0.01085
0.95976 C	T	-0.006621
0.95976 C	T	-0.009503
0.9528 A	G	-0.02126
0.9528 A	G	-0.04137
0.98894 T	C	-0.07791
0.98894 T	C	-0.01795
0.99338 G	C	-0.1166
0.99546 G	A	-0.1166
0.99582 T	G	-0.1166
0.99725 C	T	-0.1166
0.99834 C	T	-0.1166
0.90293 C	G	-0.3327
0.83623 T	C	-0.06249
0.89673 T	C	0.2496
0.9988 C	T	-0.02059
0.9988 C	T	-0.01507
0.93535 A	G	0.02056
0.93535 A	G	0.01356
0.95748 A	G	-0.1044
0.95619 AT	A	-0.1048
0.98499 A	G	0.05457
0.98499 A	G	0.06635
0.84732 G	T	0.133
0.99536 C	CA	0.07416
0.99922 A	C	-0.03827
0.99906 C	G	-0.05999
0.99906 C	G	-0.06952
0.99705 G	A	0.04213

0.99566 A	G	-0.04077
0.99994 T	A	0.04393
0.99986 G	C	0.04395
0.99822 G	A	0.04812
0.99822 G	A	0.04142
0.9929 A	G	-0.005616
0.9929 A	G	-0.002885
0.97496 G	A	-0.002961
0.97496 G	A	-0.005873
0.87161 C	A	0.1175
0.89022 A	G	0.1155
0.8802 T	C	0.1236
0.867 T	C	0.1214
0.91854 G	A	0.1208
0.89435 T	C	0.1248
0.89435 T	C	0.1281
0.87713 C	G	0.1321
0.87713 C	G	0.1356
0.88273 T	A	0.1366
0.88273 T	A	0.1393
0.86996 T	C	0.1397
0.86996 T	C	0.1412
0.86073 G	A	0.1396
0.86073 G	A	0.141
0.86019 T	G	0.1409
0.86019 T	G	0.1418
0.85877 A	G	0.141
0.85877 A	G	0.1416
0.91614 A	G	-0.02631
0.91614 A	G	-0.02716
0.97592 A	G	-0.008292
0.97592 A	G	-0.002277
0.8284 T	C	-0.338
0.83262 A	G	-0.3386
0.83281 A	G	-0.3387
0.94183 T	C	-0.3554
0.91307 C	T	-0.3596
0.91599 T	C	-0.3613
0.89518 A	G	0.08509
0.89518 A	G	0.07881
0.86017 GA	G	0.05996
0.90895 T	C	0.06396
0.9001 A	G	0.04741
0.9001 A	G	0.04265
0.96409 G	GA	-0.08187
0.83164 T	C	-0.08744
0.83164 T	C	-0.08146
0.19787 A	G	0.3234

0.19787 A	G	0.2701
0.92411 T	C	-0.008412
0.92411 T	C	0.002139
0.97537 C	T	-0.009241
0.97537 C	T	-0.02627
0.83384 C	T	-0.02893
0.83384 C	T	-0.06457
0.80987 T	C	0.5246
0.81621 A	G	0.5227
0.80397 A	G	0.4722
0.86787 C	CCT	0.5039
0.87894 T	C	0.5014
0.88177 G	A	0.5006
0.83609 C	A	-0.03766
0.83609 C	A	-0.03748
0.84425 A	G	0.008799
0.84425 A	G	0.01593
0.86015 A	G	-0.04884
0.84433 T	G	-0.03069
0.84433 T	G	-0.03662
0.81685 TAA	T	-0.04913
0.81135 T	C	0.1823
0.9717 G	GT	-0.04408
0.97122 G	GTTT	-0.04409
0.95737 G	T	-0.04329
0.97455 G	A	-0.04385
0.97391 T	C	-0.04384
0.98273 T	C	-0.03801
0.89541 T	G	-0.04798
0.94172 G	C	-0.03877
0.94201 C	T	-0.04067
0.94142 C	T	-0.04121
0.94002 G	T	-0.0408
0.93085 T	C	-0.03981
0.94708 C	T	-0.03928
0.89186 T	C	-0.0192
0.89186 T	C	-0.01073
0.97456 G	A	-0.03585
0.97456 G	A	-0.03195
0.90698 T	C	-0.3445
0.91295 C	A	-0.213
0.88523 T	C	-0.2056
0.89265 T	A	-0.2234

se	pvalue	NS_CASE	NS_CTRL
0.05118	0.0008652	1890	2205
0.06859	0.000695	1890	2205
0.0557	0.0006529	1890	2205
0.01589	0.5783	1890	2205
0.01709	0.5807	946	2167
0.02616	0.0004846	1890	2205
0.02086	0.0000618	1890	2205
0.01357	0.001654	1890	2205
0.01459	0.04934	946	2167
0.01333	0.0005963	1890	2205
0.01331	0.0007489	1890	2205
0.02079	0.00004979	1890	2205
0.02041	0.00002266	1890	2205
0.0224	0.0003992	946	2167
0.01634	0.009871	1890	2205
0.01774	0.1076	946	2167
0.02087	0.00007952	1890	2205
0.01944	0.0001163	1890	2205
0.01944	0.0001167	1890	2205
0.01944	0.0001164	1890	2205
0.01944	0.0001165	1890	2205
0.02027	0.00002541	1890	2205
0.02223	0.0004607	946	2167
0.0208	0.00007008	1890	2205
0.01986	0.00004652	1890	2205
0.02172	0.000468	946	2167
0.02027	0.00002373	1890	2205
0.02224	0.0004368	946	2167
0.01756	0.00001445	1890	2205
0.01922	0.0005781	946	2167
0.02065	0.00004346	1890	2205
0.02078	0.00006105	1890	2205
0.01207	0.006301	1890	2205
0.01295	0.1693	946	2167
0.02027	0.00002127	1890	2205
0.02224	0.0004098	946	2167
0.02065	0.00003944	1890	2205
0.02078	0.00005311	1890	2205
0.02285	0.0009634	946	2167
0.02078	0.00005458	1890	2205
0.02062	0.0000468	1890	2205
0.01728	0.00001608	1890	2205
0.01888	0.000693	946	2167
0.01748	0.00001202	1890	2205
0.01913	0.0005482	946	2167
0.02071	0.00005527	1890	2205
0.0151	0.0008342	1890	2205

0.02074	0.00002625	1890	2205
0.02282	0.0007781	946	2167
0.02075	0.00002615	1890	2205
0.02282	0.0007739	946	2167
0.02075	0.00002613	1890	2205
0.02282	0.0007734	946	2167
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0.02282	0.0007723	946	2167
0.02075	0.00002608	1890	2205
0.02282	0.0007703	946	2167
0.02075	0.00002611	1890	2205
0.02282	0.000769	946	2167
0.02097	0.00003375	1890	2205
0.02306	0.0006247	946	2167
0.02043	0.00001765	1890	2205
0.0224	0.0003008	946	2167
0.01747	0.00001277	1890	2205
0.01911	0.0005113	946	2167
0.02111	0.00003682	1890	2205
0.02321	0.0008471	946	2167
0.02054	0.00002546	1890	2205
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0.01765	0.00001348	1890	2205
0.01929	0.0005117	946	2167
0.01771	0.00001387	1890	2205
0.01936	0.000512	946	2167
0.01498	0.0009065	1890	2205
0.01498	0.0009189	1890	2205
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0.015	0.0009344	1890	2205
0.01502	0.0009147	1890	2205
0.01513	0.0008097	1890	2205
0.01534	0.0009871	1890	2205
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0.01543	0.0007781	1890	2205
0.01544	0.0007429	1890	2205
0.01545	0.0007487	1890	2205
0.1528	0.0008496	1890	2205
0.02741	0.0004588	1890	2205
0.02753	0.0006241	1890	2205
0.02764	0.0006852	1890	2205
0.02798	0.0006201	1890	2205
0.02846	0.0009639	1890	2205
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0.03454	0.000518	946	2167
0.03301	0.000159	1890	2205
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0.03569	0.0003609	946	2167
0.03301	0.000136	1890	2205
0.03632	0.0003532	946	2167
0.03656	0.0003298	946	2167
0.03678	0.0003046	946	2167
0.03516	0.000005839	1890	2205
0.03981	0.0002907	946	2167
0.03601	0.0002624	946	2167
0.03995	0.00003933	1890	2205
0.04553	0.000565	946	2167
0.03645	0.0002595	946	2167
0.03646	0.0002599	946	2167
0.03646	0.0002603	946	2167
0.0401	0.00004122	1890	2205
0.04575	0.0005452	946	2167
0.03978	0.00005166	1890	2205
0.04521	0.0004985	946	2167
0.03672	0.0002619	946	2167
0.03388	0.000915	1890	2205
0.03612	0.000174	946	2167
0.03976	0.00005391	1890	2205
0.04521	0.0005019	946	2167
0.01524	0.1687	1890	2205
0.01638	0.4787	946	2167
0.08912	0.00055	1890	2205
0.0154	0.0003901	946	2167
0.01126	0.0009406	1890	2205
0.0111	0.000322	1890	2205
0.01103	0.0008372	1890	2205
0.01115	0.00005938	1890	2205
0.01206	0.0003426	946	2167
0.01096	0.0001004	1890	2205
0.01187	0.0004979	946	2167
0.0228	0.0009999	1890	2205
0.01376	0.0126	1890	2205
0.01476	0.01618	946	2167
0.0131	0.0143	1890	2205
0.014	0.008361	946	2167
0.01549	0.0323	1890	2205
0.01633	0.0531	946	2167
0.01547	0.0009379	1890	2205
0.07581	0.0007751	1890	2205
0.07269	0.0001888	1890	2205

0.06694	0.0001678	1890	2205
0.06484	0.0005078	1890	2205
0.01404	0.645	1890	2205
0.0152	0.532	946	2167
0.0609	0.0002059	946	2167
0.02834	0.5398	1890	2205
0.03074	0.6483	946	2167
0.01211	0.356	1890	2205
0.01307	0.7674	946	2167
0.01077	0.3167	1890	2205
0.01165	0.6412	946	2167
0.01883	0.5778	1890	2205
0.02021	0.8928	946	2167
0.0589	0.0003026	1890	2205
0.04101	0.4903	1890	2205
0.04399	0.3273	946	2167
0.01068	0.2266	1890	2205
0.01158	0.3422	946	2167
0.01068	0.2307	1890	2205
0.01158	0.349	946	2167
0.01089	0.5433	1890	2205
0.0118	0.4207	946	2167
0.03541	0.5483	1890	2205
0.03834	0.2807	946	2167
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0.04218	0.6704	946	2167
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0.03482	0.0008186	1890	2205
0.0348	0.0008132	1890	2205
0.03478	0.000808	1890	2205
0.09607	0.0005418	946	2167
0.01855	0.0007633	946	2167
0.07513	0.0008989	1890	2205
0.01079	0.05637	1890	2205
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EAF_CASE

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EAF_CTRL

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