

Supplementary Table S1

Obs	SNP	link to dbSNP	position	adjusted p* (additive)	adjusted** p (additive)	adjusted**¶ p (additive)	adjusted ** p (dominance)	adjusted**p (over-domi nance)
1	rs2894066	rs2894066	29001906	0.6816	0.8856	0.9261	0.6423	0.4679
2	rs2071788	rs2071788	29020286	0.0842	0.255	0.3084	0.2326	0.2409
3	rs763009	rs763009	29023087	0.4896	0.568	0.569	0.3587	0.4338
4	rs9257425	rs9257425	29044535	0.9911	0.7098	0.6664	0.917	0.4565
5	rs6456879	rs6456879	29070583	0.7298	0.7538	0.67	0.7467	0.7596
6	rs6930903	rs6930903	29089223	0.3265	0.5202	0.5665	0.9236	0.5211
7	rs3129106	rs3129106	29189140	0.669	0.7902	0.7829	0.6727	0.575
8	rs3130720	rs3130720	29223727	0.6783	0.8506	0.8551	0.7894	0.4396
9	rs2394520	rs2394520	29245199	0.8217	0.8126	0.7592	0.9815	0.7831
10	rs3129171	rs3129171	29263728	0.6418	0.8013	0.8626	0.654	0.5444
11	rs3116830	rs3116830	29275554	0.4309	0.4821	0.4859	0.8661	0.6553
12	rs2394546	rs2394546	29283578	0.7921	0.6946	0.7402	0.7233	0.7905
13	rs3130814	rs3130814	29304160	0.8788	0.8299	0.872	0.613	0.5123
14	rs3129105	rs3129105	29321049	0.8655	0.7063	0.6917	0.3393	0.2443
15	rs7774255	rs7774255	29382335	0.674	0.7449	0.7266	0.3055	0.1643
16	rs9257694	rs9257694	29382465	0.5758	0.5617	0.5472	0.4656	0.6297
17	rs9393954	rs9393954	29390330	0.2355	0.4129	0.4836	0.4061	0.4425
18	rs720831	rs720831	29392497	0.8091	0.8827	0.9449	0.7804	0.7235
19	rs3130805	rs3130805	29414435	0.1519	0.1745	0.1755	0.4737	0.9147
20	rs2144425	rs2144425	29452918	0.3268	0.2071	0.2475	0.883	0.0991
21	rs238880	rs238880	29455023	0.3886	0.3021	0.3572	0.9973	0.1199
22	rs238872	rs238872	29459852	0.2071	0.1591	0.2281	0.0908	0.2449
23	rs2073154	rs2073154	29472794	0.3464	0.3555	0.3178	0.537	0.862
24	rs7754054	rs7754054	29500482	0.5919	0.795	0.694	0.3804	0.1542
25	rs2074469	rs2074469	29515949	0.5462	0.4491	0.4895	0.7321	0.8049
26	rs2523442	rs2523442	29525796	0.5791	0.4473	0.4969	0.2267	0.1314
27	rs3094574	rs3094574	29530071	0.4987	0.73	0.6789	0.2588	0.1209
28	rs757256	rs757256	29580895	0.7845	0.4913	0.5318	0.188	0.134
29	rs3094572	rs3094572	29588972	0.6094	0.8687	0.8106	0.558	0.3907
30	rs2745409	rs2745409	29609903	0.9623	0.8407	0.8494	0.7935	0.8446
31	rs3094576	rs3094576	29624221	0.7953	0.9861	0.943	0.8771	0.739
32	rs2534790	rs2534790	29632147	0.3754	0.2447	0.277	0.196	0.2509
33	rs388234	rs388234	29641274	0.3328	0.444	0.4321	0.7589	0.6274
34	rs1003581	rs1003581	29648183	0.5521	0.9227	0.9216	0.7195	0.5329
35	rs1233391	rs1233391	29658597	0.2734	0.5167	0.559	0.599	0.7676
36	rs1233386	rs1233386	29666169	0.766	0.7813	0.8387	0.8641	0.9776
37	rs740882	rs740882	29683435	0.5476	0.3443	0.3464	0.4916	0.7259
38	rs29230	rs29230	29684372	0.176	0.2774	0.2786	0.4337	0.7274
39	rs3095267	rs3095267	29715025	0.4982	0.6198	0.6104	0.8059	0.2699
40	rs29273	rs29273	29718968	0.2651	0.2344	0.2223	0.203	0.2169
41	rs2252711	rs2252711	29734300	0.6726	0.7398	0.7569	0.6818	0.6766
42	rs2071653	rs2071653	29743907	0.8645	0.8002	0.8602	0.4021	0.1644
43	rs2747421	rs2747421	29753097	0.4558	0.6341	0.6756	0.9187	0.6973
44	rs7382153	rs7382153	29774090	0.4828	0.7632	0.7871	0.5786	0.597
45	rs1476572	rs1476572	29782720	0.9182	0.7159	0.763	0.4032	0.2304
46	rs2517911	rs2517911	29792613	0.5392	0.7484	0.7351	0.869	0.4624
47	rs1362126	rs1362126	29798998	0.283	0.3188	0.3138	0.2326	0.4151
48	rs1736926	rs1736926	29800541	0.6061	0.7874	0.8535	0.9364	0.8738
49	rs1628578	rs1628578	29803481	0.5857	0.7807	0.7671	0.8276	0.4282
50	rs1610601	rs1610601	29808162	0.7418	0.9964	0.9897	0.7057	0.4409
51	rs2394160	rs2394160	29811241	0.5206	0.6615	0.6555	0.9693	0.5901
52	rs1633088	rs1633088	29821559	0.8228	0.8976	0.9082	0.5149	0.2453
53	rs6921921	rs6921921	29863430	0.7802	0.8141	0.7524	0.5442	0.3492
54	rs2394694	rs2394694	29897978	0.291	0.2602	0.2907	0.2655	0.8211
55	rs2735024	rs2735024	29900467	0.1517	0.0737	0.0861	0.1293	0.6571

56	rs1736935	rs1736935	29902422	0.291	0.2602	0.2907	0.2655	0.8211
57	rs1632942	rs1632942	29904619	0.2237	0.222	0.2494	0.1974	0.7106
58	rs1736920	rs1736920	29905152	0.291	0.2602	0.2907	0.2655	0.8211
59	rs915668	rs915668	29906438	0.291	0.2602	0.2907	0.2655	0.8211
60	rs1063320	rs1063320	29906728	0.291	0.2602	0.2907	0.2655	0.8211
61	rs2517892	rs2517892	29909453	0.8869	0.864	0.8577	0.971	0.8802
62	rs3094657	rs3094657	29936289	0.6318	0.7205	0.7949	0.8886	0.4675
63	rs1611732	rs1611732	29938987	0.4907	0.5477	0.53	0.7235	0.1384
64	rs7745413	rs7745413	30023448	0.7759	0.9966	0.9153	0.9759	0.9451
65	rs2844802	rs2844802	30056791	0.1301	0.2713	0.2292	0.9307	0.1902
66	rs356971	rs356971	30087776	0.0422	0.0597	0.0565	0.3198	0.7934
67	rs259939	rs259939	30119560	0.2533	0.437	0.38	0.7682	0.0999
68	rs3807031	rs3807031	30141863	0.516	0.5389	0.495	0.4765	0.4858
69	rs8347	rs8347	30145665	0.9842	0.8894	0.9948	0.9354	0.7335
70	rs1150735	rs1150735	30153178	0.1913	0.3372	0.2894	0.7536	0.0558
71	rs7382061	rs7382061	30155944	0.368	0.5391	0.4972	0.2277	0.1511
72	rs1116221	rs1116221	30179309	0.0328	0.0457	0.0459	0.228	0.9532
73	rs2523989	rs2523989	30186254	0.222	0.1694	0.2042	0.2572	0.4529
74	rs3734838	rs3734838	30188210	0.7162	0.9271	0.9432	0.9623	0.8443
75	rs2523979	rs2523979	30191494	0.233	0.1698	0.2051	0.2354	0.3869
76	rs2857440	rs2857440	30214472	0.4577	0.6438	0.5948	0.6389	0.6932
77	rs3815081	rs3815081	30222053	0.8248	0.6318	0.7	0.4407	0.3049
78	rs2517645	rs2517645	30230602	0.8304	0.6883	0.6888	0.8581	0.4162
79	rs2157678	rs2157678	30236928	0.4154	0.3125	0.3157	0.5331	0.877
80	rs9368624	rs9368624	30243956	0.885	0.8392	0.9096	0.534	0.2968
81	rs757257	rs757257	30250437	0.4553	0.8715	0.8809	0.3178	0.1217
82	rs2284165	rs2284165	30268034	0.7841	0.5311	0.4749	0.4117	0.3456
83	rs6457188	rs6457188	30346863	0.1294	0.1266	0.1652	0.1683	0.4082
84	rs7383543	rs7383543	30360815	0.8715	0.9454	0.9961	0.5366	0.2535
85	rs928823	rs928823	30365825	0.398	0.725	0.7159	0.6209	0.5307
86	rs1264616	rs1264616	30372286	0.783	0.604	0.7106	0.6923	0.8595
87	rs3130380	rs3130380	30387109	0.5496	0.3779	0.381	0.6318	0.9979
88	rs9357097	rs9357097	30393100	0.0394	0.0511	0.0822	0.1465	0.6062
89	rs974962	rs974962	30422586	0.6682	0.3597	0.454	0.4303	0.5726
90	rs9261947	rs9261947	30502607	0.0626	0.2016	0.2048	0.1884	0.2091
91	rs1076832	rs1076832	30527810	0.6223	0.332	0.2936	0.9158	0.3428
92	rs2844729	rs2844729	30530611	0.618	0.7685	0.8287	0.4436	0.2835
93	rs7764934	rs7764934	30542545	0.0767	0.0349	0.0362	0.2234	0.4828
94	rs9295895	rs9295895	30546205	0.0722	0.0621	0.075	0.115	0.3895
95	rs2021720	rs2021720	30557223	0.0555	0.0238	0.0247	0.1834	0.4793
96	rs2157605	rs2157605	30562055	0.4143	0.3378	0.263	0.7884	0.5603
97	rs1264459	rs1264459	30563899	0.3826	0.2003	0.2633	0.1048	0.0664
98	rs1264457	rs1264457	30566043	0.362	0.0456	0.053	0.0559	0.426
99	rs1264456	rs1264456	30570063	0.273	0.1173	0.1162	0.0502	0.069
100	rs2429657	rs2429657	30579499	0.0081	0.0182	0.0147	0.0032	0.0021
101	rs2534816	rs2534816	30606843	0.4465	0.2178	0.221	0.1193	0.0824
102	rs1264419	rs1264419	30684760	0.3203	0.2196	0.1749	0.8862	0.0432
103	rs4713340	rs4713340	30707681	0.4639	0.159	0.1619	0.0798	0.0555
104	rs12665339	rs12665339	30709211	0.4287	0.2463	0.2124	0.46	0.8894
105	rs1076829	rs1076829	30735195	0.0229	0.0275	0.0236	0.0094	0.0367
106	rs9262145	rs9262145	30762510	0.5092	0.2725	0.2725	0.2164	0.2947
107	rs3094093	rs3094093	30787607	0.5717	0.4368	0.4395	0.2569	0.1444
108	rs3132584	rs3132584	30796406	0.7803	0.5547	0.6118	0.6654	0.8524
109	rs3094127	rs3094127	30805426	0.9458	0.6377	0.6972	0.7705	0.9653
110	rs8512	rs8512	30819336	0.3531	0.2907	0.2941	0.1654	0.1127
111	rs3130667	rs3130667	30851220	0.8777	0.7123	0.6726	0.4311	0.2906
112	rs4713376	rs4713376	30881293	0.7873	0.7863	0.7861	0.7765	0.7879
113	rs1264362	rs1264362	30884569	0.6977	0.6044	0.607	0.7091	0.9203
114	rs9380197	rs9380197	30886182	0.6029	0.4562	0.4165	0.8059	0.1208

115	rs3130649	rs3130649	30911233	0.3137	0.7534	0.8011	0.7121	0.2818
116	rs2535335	rs2535335	30920476	0.5228	0.817	0.7658	0.6755	0.2933
117	rs2844654	rs2844654	30946667	0.4044	0.8989	0.8418	0.5119	0.1639
118	rs9468842	rs9468842	30960726	0.431	0.0824	0.0828	0.0692	0.0899
119	rs1264323	rs1264323	30963886	0.3182	0.0515	0.052	0.0247	0.0805
120	rs11970154	rs11970154	31027857	0.0902	0.127	0.1489	0.2398	0.4981
121	rs7450430	rs7450430	31043993	0.0355	0.0714	0.0716	0.1964	0.8212
122	rs2844682	rs2844682	31054127	0.2733	0.3708	0.3246	0.5923	0.9604
123	rs1634722	rs1634722	31087063	0.7538	0.9577	0.8954	0.4748	0.1402
124	rs4713411	rs4713411	31095155	0.5343	0.4588	0.461	0.4939	0.7769
125	rs2517500	rs2517500	31141488	0.8707	0.9558	0.9386	0.6031	0.3582
126	rs7381697	rs7381697	31176005	0.5531	0.9717	0.8267	0.9745	0.9157
127	rs1265059	rs1265059	31186474	0.7306	0.5895	0.6798	0.4951	0.6741
128	rs707913	rs707913	31192766	0.7768	0.8802	0.8679	0.6726	0.4954
129	rs1063646	rs1063646	31215627	0.838	0.9392	0.7915	0.9764	0.978
130	rs1150765	rs1150765	31235541	0.9831	0.688	0.6828	0.9846	0.648
131	rs7750641	rs7750641	31237289	0.416	0.3755	0.3748	0.393	0.4516
132	rs3130933	rs3130933	31240064	0.3737	0.3697	0.4696	0.2133	0.1254
133	rs879882	rs879882	31247431	0.5687	0.5761	0.6059	0.7465	0.8957
134	rs12195455	rs12195455	31286985	0.3307	0.3367	0.3808	0.2356	0.1883
135	rs3869109	rs3869109	31292175	0.4539	0.9891	0.9314	0.8892	0.8183
136	rs6904669	rs6904669	31300775	0.4207	0.5042	0.5448	0.3387	0.3804
137	rs2074489	rs2074489	31348107	0.8972	0.9792	0.8672	0.749	0.539
138	rs7759127	rs7759127	31348967	0.2654	0.7571	0.769	0.7223	0.6976
139	rs7382297	rs7382297	31355046	0.3453	0.3865	0.4354	0.2824	0.2304
140	rs7453967	rs7453967	31422222	0.0718	0.132	0.2058	0.0862	0.0765
141	rs2156875	rs2156875	31425326	0.3844	0.2806	0.3336	0.6359	0.4899
142	rs2442719	rs2442719	31428517	0.1814	0.3503	0.4265	0.4771	0.9722
143	rs2523608	rs2523608	31430538	0.0879	0.2119	0.3419	0.1317	0.2444
144	rs2523589	rs2523589	31435313	0.9677	0.9306	0.7639	0.7512	0.6758
145	rs2523554	rs2523554	31439808	0.2019	0.3738	0.4971	0.5052	0.8958
146	rs2523454	rs2523454	31475844	0.7251	0.6777	0.6796	0.142	0.0182
147	rs2523451	rs2523451	31477130	0.977	0.869	0.8727	0.2525	0.0418
148	rs9380254	rs9380254	31486314	0.3047	0.303	0.3044	0.1701	0.0913
149	rs1131896	rs1131896	31487094	0.4581	0.6866	0.5806	0.4223	0.2583
150	rs2853975	rs2853975	31490696	0.5579	0.5566	0.5586	0.2419	0.096
151	rs2848713	rs2848713	31492458	0.371	0.2901	0.2888	0.1841	0.1179
152	rs2596530	rs2596530	31495352	0.5416	0.4267	0.547	0.6029	0.9449
153	rs2844513	rs2844513	31496193	0.3403	0.3557	0.4331	0.129	0.1765
154	rs2523676	rs2523676	31543970	0.5929	0.6408	0.6476	0.3783	0.2123
155	rs2523674	rs2523674	31544768	0.515	0.8699	0.868	0.3487	0.1575
156	rs2523668	rs2523668	31546075	0.818	0.9873	0.9906	0.9377	0.8871
157	rs2516500	rs2516500	31561619	0.7125	0.9973	0.9779	0.6365	0.342
158	rs9267248	rs9267248	31563914	0.9772	0.812	0.7873	0.5606	0.3984
159	rs2395038	rs2395038	31568430	0.77	0.9951	0.8578	0.8329	0.684
160	rs3095235	rs3095235	31571149	0.2608	0.1861	0.2404	0.2652	0.5
161	rs3828914	rs3828914	31573798	0.2395	0.1358	0.1503	0.4865	0.6217
162	rs2855812	rs2855812	31580699	0.7031	0.7464	0.8217	0.8073	0.9246
163	rs3131639	rs3131639	31581525	0.5521	0.4194	0.5097	0.6381	0.951
164	rs3131635	rs3131635	31584113	0.705	0.6349	0.7377	0.6087	0.6703
165	rs2246626	rs2246626	31587105	0.5773	0.3881	0.4413	0.8248	0.4433
166	rs3093993	rs3093993	31598704	0.0976	0.2063	0.2863	0.1238	0.1154
167	rs3093986	rs3093986	31601400	0.1576	0.112	0.1663	0.0884	0.1117
168	rs2239528	rs2239528	31618084	0.523	0.3209	0.4265	0.4413	0.7699
169	rs2071594	rs2071594	31620699	0.022	0.0224	0.0312	0.0577	0.3859
170	rs2071592	rs2071592	31623319	0.0063	0.0099	0.0141	0.0224	0.1995
171	rs2255798	rs2255798	31629281	0.2347	0.3049	0.3603	0.2693	0.2708
172	rs6929796	rs6929796	31630648	0.0444	0.0317	0.0368	0.0592	0.1871
173	rs2857605	rs2857605	31632830	0.2503	0.2164	0.2445	0.2585	0.4275

174	rs2239707	rs2239707	31633298	0.0683	0.0737	0.112	0.0647	0.1807
175	rs2230365	rs2230365	31633427	0.645	0.6244	0.6963	0.3472	0.1788
176	rs3130062	rs3130062	31633891	0.6835	0.9206	0.9148	0.891	0.8645
177	rs4947324	rs4947324	31636109	0.9434	0.7502	0.7511	0.9307	0.8679
178	rs928815	rs928815	31639194	0.2372	0.1147	0.1561	0.1746	0.7447
179	rs3131637	rs3131637	31643053	0.2372	0.1147	0.1561	0.1746	0.7447
180	rs2844484	rs2844484	31644203	0.2611	0.122	0.1656	0.1901	0.7775
181	rs2009658	rs2009658	31646223	0.1692	0.2657	0.276	0.2461	0.2625
182	rs4647191	rs4647191	31646617	0.1943	0.4141	0.4182	0.4141	0.4141
183	rs2516312	rs2516312	31647414	0.8755	0.3259	0.4451	0.3259	0.3259
184	rs2844482	rs2844482	31647746	0.2002	0.3111	0.276	0.2936	0.3125
185	rs1800683	rs1800683	31648050	0.0223	0.0237	0.0326	0.0716	0.4967
186	rs2239704	rs2239704	31648120	0.2372	0.1147	0.1561	0.1746	0.7447
187	rs909253	rs909253	31648292	0.0223	0.0238	0.0328	0.0717	0.4959
188	rs3093542	rs3093542	31648672	0.2943	0.4587	0.4537	0.6203	0.8541
189	rs1041981	rs1041981	31648763	0.0223	0.0238	0.0328	0.0717	0.4959
190	rs4647196	rs4647196	31649011	.	.	.	.	.
191	rs3093544	rs3093544	31649758	0.9525	0.7237	0.7165	0.7237	0.7237
192	rs4248157	rs4248157	31650122	.	.	.	.	.
193	rs1800630	rs1800630	31650455	0.1391	0.2575	0.2673	0.2335	0.2448
194	rs4248160	rs4248160	31650672	0.9861	0.9871	0.9871	0.9871	0.9871
195	rs1800629	rs1800629	31651010	0.2392	0.3795	0.4385	0.3258	0.3303
196	rs3093660	rs3093660	31651385	.	.	.	.	.
197	rs2228088	rs2228088	31651584	0.676	.	.	.	.
198	rs3093662	rs3093662	31652168	0.3235	0.7638	0.7588	0.7638	0.7638
199	rs11574936	rs11574936	31653172	.	.	.	.	.
200	rs3093665	rs3093665	31653370	0.0965	0.1521	0.1499	0.1521	0.1521
201	rs10947218	rs10947218	31653610	0.343	0.3585	0.3593	0.3585	0.3585
202	rs3093666	rs3093666	31653712	.	.	.	.	.
203	rs3093668	rs3093668	31654474	0.9473	0.6078	0.6106	0.6078	0.6078
204	rs769177	rs769177	31655590	0.7437	0.9468	0.9523	0.9468	0.9468
205	rs4248165	rs4248165	31656507	.	.	.	.	.
206	rs3093555	rs3093555	31656869	.	.	.	.	.
207	rs3093554	rs3093554	31657386	0.9776	.	.	.	.
208	rs2256965	rs2256965	31663109	0.1456	0.0644	0.079	0.0339	0.1682
209	rs2256974	rs2256974	31663371	0.0945	0.0649	0.0737	0.1793	0.6223
210	rs986475	rs986475	31664688	0.6481	0.9656	0.9725	0.9365	0.8331
211	rs11575839	rs11575839	31665770	0.7334	0.9454	0.8179	0.9454	0.9454
212	rs2736191	rs2736191	31668889	0.98	0.3308	0.3348	0.3308	0.3308
213	rs12198787	rs12198787	31671207	0.3637	0.3821	0.4832	0.2253	0.1384
214	rs2844477	rs2844477	31686751	0.0207	0.0809	0.0787	0.0862	0.4053
215	rs2736182	rs2736182	31691291	0.5516	0.5678	0.7135	0.5678	0.5678
216	rs2269475	rs2269475	31691910	0.0865	0.0763	0.0617	0.288	0.8929
217	rs2857597	rs2857597	31692979	0.8043	0.9964	0.9947	0.8533	0.6997
218	rs1077394	rs1077394	31718363	0.1155	0.2482	0.3077	0.6575	0.494
219	rs3130050	rs3130050	31726740	0.7899	0.8365	0.7719	0.8901	0.9715
220	rs3130617	rs3130617	31735502	0.853	0.9701	0.9613	0.8123	0.6617
221	rs7029	rs7029	31737932	0.0022	0.013	0.0127	0.0357	0.199
222	rs2280800	rs2280800	31754377	0.0535	0.0474	0.0374	0.1778	0.6323
223	rs2242653	rs2242653	31783744	0.0578	0.0501	0.0397	0.2046	0.7621
224	rs1065356	rs1065356	31794987	0.0024	0.0161	0.0152	0.0209	0.0556
225	rs3749953	rs3749953	31821103	0.0459	0.035	0.0262	0.0612	0.14
226	rs2299851	rs2299851	31826581	0.0743	0.1538	0.1188	0.1153	0.0939
227	rs707926	rs707926	31856799	0.0323	0.0269	0.0146	0.0211	0.028
228	rs2075800	rs2075800	31885925	0.0443	0.2722	0.2622	0.3996	0.8066
229	rs2227956	rs2227956	31886251	0.9296	0.7297	0.6788	0.7745	0.8787
230	rs1043618	rs1043618	31891486	0.1188	0.1821	0.1564	0.2362	0.573
231	rs2763979	rs2763979	31902571	0.1262	0.2164	0.1851	0.1901	0.3045
232	rs2471980	rs2471980	31908847	0.196	0.2801	0.2433	0.2145	0.2666

233	rs3115673	rs3115673	31918064	0.0977	0.0591	0.0343	0.0306	0.0218
234	rs2242665	rs2242665	31947288	0.4033	0.6974	0.5854	0.1927	0.0553
235	rs3130481	rs3130481	31947735	0.2941	0.5597	0.4628	0.2023	0.1241
236	rs652888	rs652888	31959213	0.5777	0.9543	0.7422	0.5482	0.2488
237	rs486416	rs486416	31964049	0.5325	0.8734	0.8631	0.2355	0.0334
238	rs558702	rs558702	31978305	0.7156	0.6211	0.6194	0.7057	0.8246
239	rs2763982	rs2763982	31980530	0.0814	0.2545	0.243	0.4872	0.9017
240	rs2734335	rs2734335	32001923	0.1971	0.2864	0.2187	0.3365	0.8565
241	rs3020644	rs3020644	32002605	0.4272	0.6599	0.5836	0.8444	0.8306
242	rs7746553	rs7746553	32003952	0.3897	0.2856	0.1984	0.2554	0.2535
243	rs621701	rs621701	32011100	0.2868	0.42	0.4185	0.4701	0.5514
244	rs9332739	rs9332739	32011783	0.8535	0.8103	0.8223	0.8103	0.8103
245	rs4151667	rs4151667	32022003	0.992	0.9844	0.9952	0.9844	0.9844
246	rs4151651	rs4151651	32023593	0.2758	0.4529	0.3347	0.4529	0.4529
247	rs512559	rs512559	32024041	0.1663	0.2248	0.225	0.3364	0.5229
248	rs537160	rs537160	32024379	0.2925	0.8052	0.7962	0.2552	0.0596
249	rs2072634	rs2072634	32025270	0.5409	0.5286	0.5311	0.5286	0.5286
250	rs2072633	rs2072633	32027557	0.0975	0.5625	0.6065	0.8102	0.7534
251	rs4151672	rs4151672	32027809	0.992	0.9844	0.9952	0.9844	0.9844
252	rs550513	rs550513	32028666	0.4577	0.6427	0.6394	0.7151	0.8062
253	rs440454	rs440454	32035321	0.7935	0.7564	0.7633	0.898	0.5268
254	rs474534	rs474534	32046086	0.5584	0.9053	0.9928	0.6395	0.4083
255	rs6941112	rs6941112	32054593	0.1731	0.7241	0.7063	0.5243	0.4223
256	rs389883	rs389883	32055439	0.5693	0.9362	0.9286	0.647	0.4194
257	rs6474	rs6474	32114865	0.8196	0.501	0.5111	0.5181	0.686
258	rs1040312	rs1040312	32115287	0.5477	0.5106	0.3919	0.5106	0.5106
259	rs433061	rs433061	32122806	0.8554	0.7124	0.7102	0.7217	0.7452
260	rs2857009	rs2857009	32127724	0.6413	0.5927	0.6061	0.7501	0.9445
261	rs3130285	rs3130285	32134235	0.5479	0.4467	0.4979	0.4029	0.4105
262	rs1150758	rs1150758	32136127	0.5438	0.4111	0.4137	0.4863	0.6042
263	rs204883	rs204883	32140721	0.852	0.6051	0.5706	0.2726	0.2074
264	rs3749962	rs3749962	32144335	0.0084	0.0143	0.0108	0.0229	0.0448
265	rs1150755	rs1150755	32146528	0.5995	0.4635	0.4656	0.5477	0.6729
266	rs2071295	rs2071295	32146678	0.609	0.6058	0.6194	0.7688	0.9268
267	rs185819	rs185819	32158045	0.1241	0.2885	0.2845	0.1106	0.182
268	rs1150753	rs1150753	32167845	0.8583	0.715	0.7129	0.7252	0.7494
269	rs2071293	rs2071293	32170665	0.7526	0.448	0.4595	0.9121	0.4649
270	rs17421624	rs17421624	32174155	0.8712	0.3593	0.3681	0.753	0.5995
271	rs12153855	rs12153855	32182782	0.8469	0.7351	0.9191	0.8056	0.8924
272	rs429150	rs429150	32183541	0.3344	0.6515	0.6511	0.438	0.475
273	rs2269426	rs2269426	32184477	0.8903	0.7061	0.6124	0.6913	0.8157
274	rs3807039	rs3807039	32186351	0.998	0.732	0.7518	0.7782	0.8385
275	rs1269852	rs1269852	32188169	0.8694	0.7297	0.7273	0.7405	0.7648
276	rs3213469	rs3213469	32196832	0.4138	0.9725	0.9817	0.8748	0.7168
277	rs4713505	rs4713505	32212979	0.5412	0.7943	0.8022	0.829	0.9268
278	rs1053924	rs1053924	32228693	0.8456	0.9813	0.9576	0.644	0.3757
279	rs3134603	rs3134603	32233980	0.6247	0.5901	0.5961	0.61	0.6751
280	rs3130283	rs3130283	32246523	0.9273	0.8941	0.9622	0.9064	0.9322
281	rs3131297	rs3131297	32248983	0.7764	0.9697	0.8282	0.8775	0.7216
282	rs2269423	rs2269423	32253685	0.786	0.595	0.5469	0.8785	0.6616
283	rs1035798	rs1035798	32259200	0.8475	0.6244	0.5797	0.803	0.893
284	rs204994	rs204994	32262976	0.0917	0.2006	0.1728	0.3359	0.666
285	rs204991	rs204991	32269344	0.4687	0.4682	0.4141	0.7222	0.9084
286	rs2071278	rs2071278	32273422	0.8174	0.7143	0.7874	0.6407	0.5917
287	rs2071287	rs2071287	32278411	0.8228	0.705	0.7059	0.7993	0.9332
288	rs3131296	rs3131296	32280971	0.7416	0.894	0.8122	0.9789	0.9314
289	rs2071286	rs2071286	32287874	0.8723	0.8307	0.835	0.9275	0.6613
290	rs3134798	rs3134798	32292683	0.385	0.2921	0.2857	0.6507	0.6925
291	rs422951	rs422951	32296361	0.962	0.8425	0.8433	0.722	0.3583

292	rs520803	rs520803	32296581	0.6805	0.9029	0.9607	0.267	0.0211
293	rs415929	rs415929	32297010	0.6805	0.9029	0.9607	0.267	0.0211
294	rs443198	rs443198	32298384	0.9384	0.3982	0.3498	0.4403	0.7238
295	rs3134931	rs3134931	32298598	0.7683	0.5961	0.7029	0.4895	0.4666
296	rs365053	rs365053	32303966	0.0654	0.1444	0.1831	0.1037	0.1724
297	rs404890	rs404890	32306845	0.1541	0.2309	0.3089	0.11	0.1575
298	rs2849015	rs2849015	32306914	0.1765	0.2309	0.3089	0.11	0.1575
299	rs6929484	rs6929484	32307345	0.126	0.9874		0.9874	0.9874
300	rs3130315	rs3130315	32328663	0.4856	0.4763	0.5086	0.7833	0.6532
301	rs3130332	rs3130332	32339525	0.5975	0.6526	0.6538	0.2939	0.1199
302	rs4713518	rs4713518	32365315	0.334	0.3863	0.4146	0.4622	0.8093
303	rs1003878	rs1003878	32407800	0.9765	0.6798	0.6859	0.9975	0.6291
304	rs9366793	rs9366793	32409267	0.372	0.521	0.5546	0.7253	0.8535
305	rs1033500	rs1033500	32415360	0.371	0.4592	0.491	0.5178	0.8134
306	rs761187	rs761187	32426014	0.5895	0.7406	0.7826	0.8255	0.9861
307	rs6907322	rs6907322	32432923	0.3415	0.1811	0.1842	0.2005	0.3554
308	rs3129934	rs3129934	32444165	0.7752	0.9651	0.8306	0.9853	0.9274
309	rs3129937	rs3129937	32444342	0.5844	0.3797	0.383	0.6481	0.9088
310	rs9268384	rs9268384	32444564	0.371	0.4592	0.491	0.5178	0.8134
311	rs3129941	rs3129941	32445664	0.7132	0.8706	0.9184	0.8216	0.7975
312	rs2050189	rs2050189	32447625	0.7855	0.6528	0.6498	0.9792	0.6257
313	rs2395153	rs2395153	32453573	0.2753	0.0656	0.0453	0.2115	0.9248
314	rs2395157	rs2395157	32456123	0.6764	0.2278	0.1693	0.1672	0.1749
315	rs4424066	rs4424066	32462406	0.6499	0.2121	0.1618	0.1942	0.4259
316	rs1980493	rs1980493	32471193	0.7767	0.5913	0.5974	0.4508	0.3563
317	rs6906730	rs6906730	32487423	0.1455	0.1124	0.1255	0.1876	0.9669
318	rs3135340	rs3135340	32506850	0.5515	0.6128	0.7	0.5875	0.6573
319	rs2395178	rs2395178	32513340	0.7719	0.3933	0.3936	0.1164	0.041
320	rs3129871	rs3129871	32514320	0.9613	0.2453	0.2477	0.0979	0.0945
321	rs14004	rs14004	32515687	0.6595	0.7493	0.7137	0.9279	0.5616
322	rs1041885	rs1041885	32520787	0.77	0.7486	0.7553	0.6494	0.5796
323	rs9296032	rs9296032	32526688	0.6071	0.505	0.5156	0.5992	0.8935
324	rs10947279	rs10947279	32529776	0.4733	0.9971	0.9937	0.8337	0.6711
325	rs7747521	rs7747521	32539083	0.7305	0.7025	0.6016	0.4366	0.276
326	rs701831	rs701831	32657379	0.545	0.4513	0.4575	0.5551	0.7123
327	rs9270657	rs9270657	32673999	0.9883	0.7947	0.8385	0.8677	0.4856
328	rs3135005	rs3135005	32693997	0.3157	0.2425	0.2453	0.3001	0.4182
329	rs9271366	rs9271366	32694832	0.2881	0.219	0.2213	0.2712	0.3843
330	rs4639334	rs4639334	32710192	0.5462	0.5583	0.6599	0.5793	0.6585
331	rs2040410	rs2040410	32710676	0.6238	0.536	0.6161	0.6384	0.7735
332	rs6906021	rs6906021	32734289	0.5386	0.6726	0.8403	0.7168	0.9833
333	rs3916765	rs3916765	32793528	0.813	0.438	0.4889	0.4577	0.4987
334	rs5029394	rs5029394	32803060	0.8685	0.4963	0.4767	0.8079	0.7587
335	rs2213571	rs2213571	32827915	0.7613	0.7941	0.7646	0.5909	0.1746
336	rs6918223	rs6918223	32830510	0.8675	0.6409	0.5694	0.6016	0.1128
337	rs9296044	rs9296044	32844122	0.3816	0.3714	0.4226	0.0486	0.0295
338	rs2857205	rs2857205	32852123	0.7882	0.3809	0.4027	0.3282	0.3971
339	rs2621377	rs2621377	32871088	0.9135	0.5219	0.6035	0.583	0.8719
340	rs6899857	rs6899857	32878460	0.7602	0.8197	0.8801	0.7228	0.7145
341	rs6929716	rs6929716	32885118	0.9782	0.5332	0.6286	0.5876	0.791
342	rs11244	rs11244	32888702	0.4709	0.3515	0.3972	0.3415	0.4944
343	rs1894408	rs1894408	32894811	0.1141	0.5831	0.5926	0.224	0.1408
344	rs13501	rs13501	32901501	0.4625	0.6516	0.6981	0.9926	0.5867
345	rs241447	rs241447	32904729	0.7199	0.1812	0.1782	0.2132	0.4238
346	rs4148872	rs4148872	32910785	0.2693	0.2621	0.2952	0.114	0.0515
347	rs241425	rs241425	32912887	0.8474	0.9922	0.9801	0.5888	0.3277
348	rs2071543	rs2071543	32919607	0.9478	0.8524	0.8527	0.3727	0.11
349	rs2071541	rs2071541	32920836	0.0124	0.0156	0.0115	0.0191	0.034
350	rs1800453	rs1800453	32922953	0.0136	0.0527	0.0426	0.0657	0.1138

351	rs735883	rs735883	32924032	0.4854	0.2494	0.2518	0.4895	0.8087
352	rs4148880	rs4148880	32926752	0.0236	0.156	0.1557	0.2422	0.4522
353	rs4713600	rs4713600	32930836	0.0236	0.0533	0.0619	0.0715	0.5464
354	rs9276814	rs9276814	32933068	0.3703	0.1942	0.1951	0.3968	0.9556
355	rs9276820	rs9276820	32937254	0.014	0.0335	0.0391	0.0354	0.4425
356	rs1383266	rs1383266	32942710	0.0309	0.0514	0.051	0.1131	0.4175
357	rs6928398	rs6928398	32946247	0.1361	0.1227	0.1249	0.2016	0.7604
358	rs2857218	rs2857218	32963318	0.1857	0.1224	0.123	0.6781	0.2251
359	rs2187688	rs2187688	32979979	0.0199	0.0083	0.0083	0.0412	0.9156
360	rs241398	rs241398	32983428	0.1331	0.055	0.0469	0.1726	0.9071
361	rs154977	rs154977	33007996	0.5086	0.6535	0.7424	0.3772	0.2264
362	rs181997	rs181997	33008696	0.896	0.986	0.8475	0.2489	0.0229
363	rs3129299	rs3129299	33008765	0.527	0.7766	0.8531	0.2794	0.0621
364	rs1465651	rs1465651	33009329	0.1082	0.1038	0.0661	0.2374	0.5566
365	rs10751	rs10751	33010561	0.1955	0.1016	0.0646	0.2758	0.7069
366	rs68600	rs68600	33011702	0.4515	0.3079	0.3384	0.2765	0.6119
367	rs151719	rs151719	33011878	0.0291	0.0179	0.0165	0.0251	0.1005
368	rs2071556	rs2071556	33012579	0.8401	0.529	0.5349	0.7946	0.1495
369	rs1042337	rs1042337	33012959	0.6312	0.9218	0.9758	0.6389	0.3961
370	rs194675	rs194675	33013724	0.0383	0.028	0.0321	0.1263	0.7455
371	rs714289	rs714289	33013789	0.5999	0.5316	0.5255	0.5316	0.5316
372	rs6902982	rs6902982	33015859	0.0003	0.0004	0.0004	0.0004	0.0004
373	rs3101944	rs3101944	33019105	0.1621	0.4632	0.4472	0.3914	0.3483
374	rs194682	rs194682	33022591	0.0984	0.0387	0.0387	0.0616	0.3733
375	rs10679	rs10679	33024533	0.7411	0.6639	0.6594	0.5941	0.5311
376	rs1063478	rs1063478	33025522	0.0834	0.2282	0.2758	0.1439	0.1069
377	rs209475	rs209475	33033563	0.0533	0.0212	0.021	0.0279	0.2365
378	rs580962	rs580962	33033670	0.6441	0.462	0.4678	0.8054	0.585
379	rs683208	rs683208	33045879	0.0539	0.0173	0.0173	0.0367	0.3895
380	rs592625	rs592625	33080668	0.0827	0.0657	0.0686	0.1444	0.4532
381	rs2284191	rs2284191	33084632	0.5155	0.4031	0.4639	0.4227	0.4932
382	rs403414	rs403414	33085293	0.7382	0.4989	0.3932	0.5614	0.7252
383	rs6911639	rs6911639	33086156	0.8339	0.9457	0.8423	0.7307	0.4295
384	rs429916	rs429916	33086565	0.6131	0.2609	0.3232	0.2814	0.3092
385	rs2395305	rs2395305	33093354	0.1434	0.0962	0.0818	0.2086	0.8953
386	rs419434	rs419434	33094727	0.1943	0.1713	0.2323	0.1713	0.1713
387	rs3130607	rs3130607	33095255	0.7952	0.6565	0.5235	0.3874	0.2046
388	rs12174395	rs12174395	33122296	0.027	0.0084	0.01	0.035	0.6104
389	rs375912	rs375912	33124706	0.0319	0.0107	0.0127	0.0427	0.6258
390	rs412735	rs412735	33132110	0.7445	0.8897	0.8348	0.7739	0.7037
391	rs435549	rs435549	33132251	0.693	0.451	0.4953	0.1861	0.0706
392	rs588997	rs588997	33136695	0.6784	0.7888	0.79	0.9882	0.7248
393	rs3077	rs3077	33141000	0.1472	0.0775	0.1091	0.2656	0.8933
394	rs6914849	rs6914849	33148693	0.3102	0.1572	0.2132	0.4927	0.7421
395	rs1431399	rs1431399	33149012	0.3425	0.1572	0.2132	0.4927	0.7421
396	rs3097671	rs3097671	33155590	0.6163	0.6087	0.6034	0.7109	0.889
397	rs9277535	rs9277535	33162839	0.1385	0.1429	0.1629	0.1258	0.2472
398	rs3117223	rs3117223	33168042	0.1336	0.1877	0.214	0.3596	0.8385
399	rs3130215	rs3130215	33182941	0.7677	0.7878	0.829	0.8749	0.9348
400	rs7750683	rs7750683	33218812	0.7008	0.9553	0.994	0.6802	0.3981
401	rs1003979	rs1003979	33222149	0.7649	0.8655	0.9049	0.9192	0.9712
402	rs3762013	rs3762013	33250517	0.2011	0.579	0.6222	0.6618	0.9562
403	rs2855425	rs2855425	33252351	0.2857	0.4174	0.501	0.6867	0.8471
404	rs2744505	rs2744505	33261100	0.2927	0.7643	0.7601	0.8669	0.9967
405	rs1547387	rs1547387	33277873	0.3941	0.6496	0.8146	0.3575	0.168
406	rs365339	rs365339	33280883	0.4321	0.4894	0.5307	0.736	0.8623
407	rs213220	rs213220	33310618	0.4981	0.6714	0.6996	0.8674	0.3623
408	rs461338	rs461338	33326158	0.0152	0.0157	0.0121	0.0085	0.0114
409	rs213202	rs213202	33340033	0.811	0.4788	0.4087	0.5487	0.8014

410	rs469064	rs469064	33358454	0.6113	0.6173	0.6248	0.756	0.8774
411	rs466384	rs466384	33362643	0.0132	0.0135	0.0136	0.006	0.0066
412	rs1059288	rs1059288	33375650	0.6912	0.6139	0.6269	0.6771	0.9435
413	rs2071888	rs2071888	33380833	0.7275	0.6447	0.6594	0.6711	0.8843
414	rs2282851	rs2282851	33388287	0.3592	0.57	0.6106	0.7906	0.8386
415	rs1061801	rs1061801	33390316	0.0288	0.0371	0.0447	0.045	0.1217
416	rs2239839	rs2239839	33396053	0.3341	0.5343	0.5738	0.7378	0.8954
417	rs2073524	rs2073524	33398525	0.3784	0.2149	0.218	0.2183	0.6263
418	rs3130267	rs3130267	33414772	0.6527	0.5748	0.586	0.7596	0.8095
419	rs3130010	rs3130010	33426549	0.3502	0.6169	0.6493	0.9083	0.6309
420	rs211474	rs211474	33428591	0.3479	0.9084	0.9822	0.389	0.06
421	rs3117324	rs3117324	33432505	0.1891	0.6343	0.6745	0.2282	0.0901
422	rs3130276	rs3130276	33444908	0.2503	0.6394	0.6241	0.7577	0.2321
423	rs465506	rs465506	33466986	0.3232	0.5965	0.5309	0.953	0.4262
424	rs376006	rs376006	33478752	0.268	0.7209	0.6495	0.7478	0.2841
425	rs211456	rs211456	33497359	0.4956	0.7354	0.9164	0.4647	0.0661
426	rs7748370	rs7748370	33572039	0.8576	0.6766	0.741	0.7535	0.2575
427	rs769051	rs769051	33581872	0.7605	0.8533	0.9599	0.5582	0.1571
428	rs210203	rs210203	33619207	0.9331	0.6144	0.7549	0.9146	0.353
429	rs210152	rs210152	33623498	0.7506	0.7859	0.7836	0.7689	0.3632
430	rs210133	rs210133	33644775	0.5152	0.6093	0.6156	0.9648	0.4524
431	rs210142	rs210142	33654815	0.6548	0.9386	0.9377	0.7579	0.593
432	rs525623	rs525623	33780581	0.8366	0.5695	0.5673	0.6019	0.6551
433	rs2281829	rs2281829	33783620	0.7344	0.7183	0.7579	0.5694	0.5727
434	rs747694	rs747694	33844468	0.0749	0.0187	0.0205	0.125	0.5362
435	rs2274459	rs2274459	33870220	0.228	0.4185	0.422	0.515	0.6937
436	rs3828783	rs3828783	33875705	0.5122	0.3031	0.2973	0.3455	0.4619
437	rs2281820	rs2281820	33876875	0.1675	0.0342	0.0322	0.0438	0.4272
438	rs1547668	rs1547668	33883424	0.6823	0.4358	0.4733	0.7289	0.852
439	rs3807050	rs3807050	35620904	0.1054	0.1033	0.101	0.3262	0.9673
440	rs873941	rs873941	35632855	0.2612	0.5606	0.7119	0.1478	0.034
441	rs4713897	rs4713897	35636548	0.3796	0.5079	0.6171	0.2146	0.0775
442	rs3800374	rs3800374	35645384	0.4822	0.6648	0.7872	0.3698	0.1826
443	rs3800373	rs3800373	35650454	0.2955	0.1266	0.1266	0.4278	0.7341
444	rs992105	rs992105	35663161	0.6649	0.9235	0.9889	0.468	0.1642
445	rs7753746	rs7753746	35673400	0.7987	0.8758	0.9411	0.6542	0.4569
446	rs4713899	rs4713899	35677259	0.7998	0.9643	0.9702	0.7468	0.5381
447	rs737054	rs737054	35683465	0.5035	0.484	0.4881	0.9585	0.4314
448	rs3777747	rs3777747	35686980	0.6471	0.6368	0.6878	0.8063	0.2798
449	rs7746850	rs7746850	35712623	0.7298	0.8514	0.9165	0.6307	0.4382
450	rs1360780	rs1360780	35715549	0.1943	0.0737	0.0739	0.2686	0.9611
451	rs4713902	rs4713902	35722004	0.4818	0.3855	0.4237	0.912	0.3698
452	rs6912833	rs6912833	35725563	0.215	0.354	0.4009	0.3543	0.4529
453	rs17614642	rs17614642	35729899	0.8877	0.7892	0.7912	0.7206	0.6659
454	rs2092427	rs2092427	35730185	0.776	0.8093	0.9988	0.8093	0.8093
455	rs4713908	rs4713908	35755288	0.9397	0.6086	0.7855	0.6086	0.6086
456	rs6457839	rs6457839	35756808	0.158	0.2018	0.2342	0.3347	0.7217
457	rs10947563	rs10947563	35761415	0.2192	0.3643	0.4114	0.3665	0.467
458	rs3800372	rs3800372	35763223	0.1895	0.1853	0.1867	0.3009	0.6886
459	rs7763535	rs7763535	35770084	0.1529	0.2895	0.33	0.2769	0.3611
460	rs943297	rs943297	35775838	0.1068	0.1722	0.1996	0.2414	0.4963
461	rs4713921	rs4713921	35789755	0.2183	0.3099	0.3854	0.408	0.6856
462	rs2766534	rs2766534	35793692	0.3846	0.4289	0.3786	0.7768	0.6659
463	rs12200498	rs12200498	35793933	0.0706	0.0765	0.075	0.0656	0.0895
464	rs2766543	rs2766543	35816612	0.8537	0.873	0.7589	0.8364	0.5288
465	rs2766554	rs2766554	35827305	0.8912	0.7855	0.6733	0.7132	0.8017
466	rs6910332	rs6910332	35855086	0.9401	0.7466	0.5631	0.9791	0.6751
467	rs851006	rs851006	36173163	0.9193	0.9226	0.9842	0.7573	0.4698

Footnote to Table S1

(*) Univariate conditional logistic models adjusted for the effects of baseline age, duration and degree of immunosuppression. (**) Full univariate conditional logistic models (adjusted for the effects of baseline age, duration and degree of immunosuppression, and HLA B*57 and B*27 alleles). (¶) Full univariate conditional logistic models restricted to individuals of non-Hispanic European descent.

Supplementary Table S2. Association of *HLA-B* alleles with HIV-related Kaposi's sarcoma in a matched case and control study of non-Hispanic European men

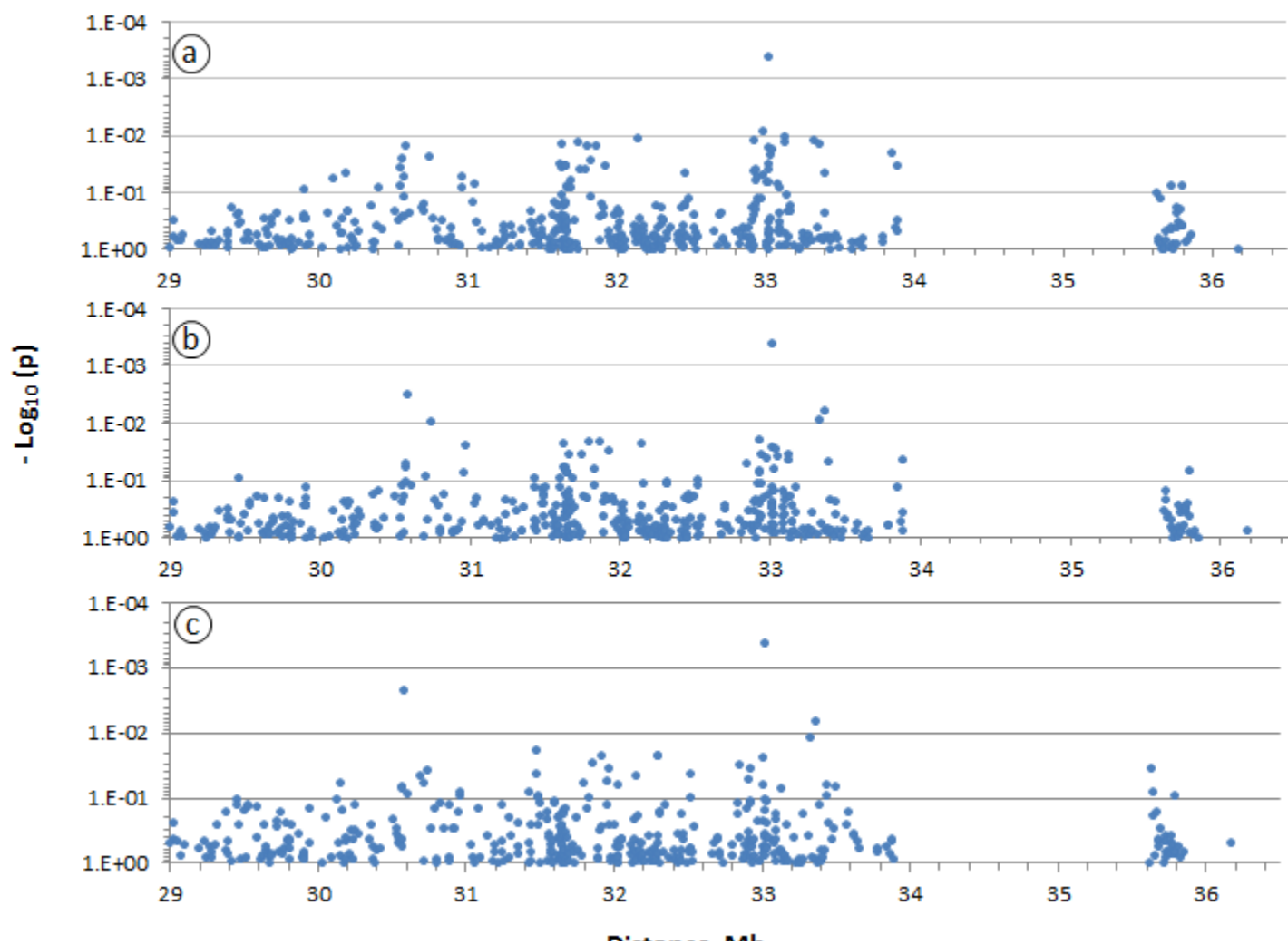
<i>HLA-B</i> allele	allele count (%)		conditional logistic regression	
	controls	cases	OR (95% CI)	p
0702	78 (0.123)	96 (0.153)	1.26 (0.86-1.86)	ns
0801	72 (0.113)	67 (0.107)	0.93 (0.61-1.41)	ns
0705	0	4 (0.006)	nd	-
0802	3 (0.005)	0	nd	-
1302	9 (0.014)	18 (0.029)	2.08 (0.79-5.45)	ns
1401	3 (0.005)	12 (0.019)	4.19 (1.14-15.5)	0.03
1402	13 (0.020)	18 (0.029)	1.75 (0.76-4.03)	ns
1501	36 (0.057)	43 (0.069)	1.32 (0.68-2.55)	ns
1518	3 (0.005)	0	nd	-
1801	22 (0.035)	24 (0.038)	1.36 (0.70-2.67)	ns
2702	3 (0.005)	0	nd	-
2703	4 (0.006)	0	nd	-
2705	24 (0.038)	13 (0.021)	0.37 (0.15-0.94)	0.04
3501	39 (0.061)	45 (0.072)	1.26 (0.75-2.14)	ns
3502	9 (0.014)	12 (0.019)	1.08 (0.38-3.06)	ns
3503	8 (0.013)	13 (0.021)	1.86 (0.68-5.09)	ns
3508	0	3 (0.005)	nd	-
3701	11 (0.017)	7 (0.011)	0.73 (0.24-2.23)	ns
3801	20 (0.031)	10 (0.016)	0.52 (0.22-1.24)	ns
3901	8 (0.013)	7 (0.011)	0.99 (0.35-2.82)	ns
3906	7 (0.011)	3 (0.005)	nd	-
4001	32 (0.050)	30 (0.048)	0.98 (0.57-1.71)	ns
4002	16 (0.025)	8 (0.013)	0.54 (0.22-1.36)	ns
4102	3 (0.005)	0	nd	-
4402	42 (0.066)	44 (0.070)	1.06 (0.63-1.76)	ns
4403	27 (0.043)	35 (0.056)	1.22 (0.68-2.20)	ns
4501	3 (0.005)	4 (0.006)	nd	-
4901	10 (0.016)	14 (0.022)	1.15 (0.11-3.18)	ns
5001	5 (0.008)	4 (0.006)	nd	-
5101	29 (0.046)	25 (0.040)	0.74 (0.39-1.39)	ns
5201	9 (0.014)	6 (0.010)	0.78 (0.24-2.48)	ns
5301	3 (0.005)	4 (0.006)	nd	-
5501	13 (0.020)	8 (0.013)	0.66 (0.27-1.65)	ns
5601	6 (0.009)	6 (0.010)	nd	-
5701	21 (0.033)	14 (0.022)	0.74 (0.36-1.54)	ns
5801	9 (0.014)	5 (0.008)	0.70 (0.21-2.25)	ns

Table S3. Super-haplotype structure of the tumor necrosis factor alpha block in HIV-related Kaposi sarcoma case and control study sample nested in the MACS cohort

Hap #	MCCD1	BAT1	ATP6V1G2	NFKBIL1								LTA						TNF				LST1		NCR3	HLA-B	CTRL N=330	CASE N=330
	rs3093993 A>C	rs2239528 G>A	rs2071594 G>C	rs2071592 T>A	rs2255798 C>G	rs6929796 G>A	rs2857605 A>G	rs2239707 A>G	rs2230365 G>A	rs3130062 A>G	rs4947324 G>A	rs928815 C>A	rs2009658 A>G	rs4647191 G>A	rs1800683 G>A	rs2229094 A>G	rs3093542 C>G	rs1799964 A>G	rs1800629 G>A	rs3093662 A>G	rs3093665 A>C	rs3093668 C>G	rs769177 G>A	rs2256965 G>A				rs986475 A>G
4	C	A	.	.	.	G	G	.	G	.	A	.	.	.	.	.	.	.	.	.	.	.	A	.	0702	0.067	0.059
8	C	A	.	.	.	G	G	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	A	.	0702	0.043	0.073
83	C	A	.	.	.	G	G	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	A	.	4001	0.014	0.016
3	.	C	A	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.	A	.	.	.	.	.	0801	0.104	0.103
28	.	C	A	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.	A	.	.	.	.	.	4402	0.019	0.022
34	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	4402	0.036	0.025
97	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	3502	0.014	0.014
14	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	1801	0.006	NA
19	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	2705	0.018	0.014
67	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	1501	0.016	0.015
44	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	4001	0.008	0.013
136	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	3906	0.008	NA
137	.	C	A	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	3901	0.006	NA
148	.	C	A	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	4901	NA	0.006
31	.	C	.	.	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	4001	0.006	NA
79	C	.	.	.	.	.	.	.	.	.	A	.	.	.	G	.	G	.	G	.	G	.	.	.	5701	0.031	0.020
?	A	.	.	.	.	G	.	G	.	G	.	.	.	.	?	NA	NA
43	.	A	.	.	.	.	.	.	.	.	A	.	.	.	G	G	.	.	G	.	.	.	A	.	3501	0.020	0.019
118	A	.	.	.	G	.	.	G	.	C	.	.	A	.	3501	0.006	0.008
74	A	.	.	.	.	.	.	.	.	.	.	.	A	G	3501	NA	0.006
15	A	.	.	.	.	.	.	.	.	.	.	.	A	G	3801	0.023	0.014
77	A	.	.	.	.	.	.	.	.	.	.	.	A	G	3503	0.006	0.014
36	A	.	.	.	.	.	.	.	.	.	.	.	A	G	1801	0.019	0.017
66	A	.	.	.	.	.	.	.	.	.	.	.	A	G	5101	NA	0.008
25	A	.	.	.	.	.	.	.	.	.	.	.	A	G	2705	0.011	0.005
77	A	.	.	.	.	.	.	.	.	.	.	.	A	G	5501	0.009	0.009
16	A	.	.	.	.	.	.	.	.	.	.	.	A	G	1501	0.009	NA
7	A	.	.	.	.	.	.	.	.	.	.	.	A	.	4403	0.040	0.052
125	A	.	.	.	.	.	.	.	.	.	.	.	A	.	1302	0.010	0.020
9	.	.	.	G	.	.	.	.	.	.	.	G	.	.	G	.	G	.	.	.	.	.	.	.	1501	0.012	0.020
11	G	.	.	G	.	G	.	.	.	.	.	.	.	4002	0.019	0.006
69	.	.	.	G	.	G	A	.	.	.	.	G	.	.	G	.	G	.	.	.	.	.	.	.	1501	0.013	0.016
65	.	.	.	G	.	G	A	.	.	.	.	G	.	.	G	.	G	.	.	.	.	.	.	.	5101	0.020	0.022
40	.	.	.	G	.	G	A	.	.	.	.	G	.	.	G	.	G	.	.	.	.	.	.	.	1402	0.017	0.030
64	.	.	.	G	.	G	A	.	.	.	.	G	.	.	G	.	G	.	.	.	.	.	.	.	4001	0.013	0.008
32	.	.	.	G	.	G	A	.	.	.	.	G	.	.	G	.	G	.	.	.	.	.	.	.	3501	0.018	0.026
78	.	A	.	.	.	G	G	A	.	.	A	.	.	A	.	.	.	.	.	.	.	.	.	.	3701	0.014	0.006
85	.	A	.	.	.	G	G	A	.	.	A	.	.	.	.	.	.	.	.	.	.	.	A	.	5201	0.009	0.006
70	C	A	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	A	.	4901	0.006	0.006

The alternate gray and white cells in the first column indicates the seven common super-haplotypes of the tumor necrosis factor alpha block reported earlier (27) for non-Hispanic Caucasian men sampled for a case and control study of HIV-related Kaposi's sarcoma (HIV-KS) in the Multicenter AIDS Cohort Study.

Supplementary Figure S1



Supplementary figure legends

Figure S1. Association of major histocompatibility complex (MHC) polymorphisms with HIV-related Kaposi's sarcoma (HIV-KS) in men . The figure shows the strength of the association expressed as minus logarithm decimal of the p-value ($-\text{Log}_{10}(p)$) obtained from univariate analyses of 467 single nucleotide polymorphisms (SNP) spanning about 5 megabases across central and extended MHC. The association with the KS outcome was evaluated in conditional logistic models assuming additive (a), dominance (b) or overdominance (c) variance and controlling for the effects of age at baseline, degree of immunosuppression (calculated as the area under the curve of CD4+ T-cell count below 300), the rate of CD4+ T-cell count change measured at six month-intervals (slope of CD4+ T-cell count from the time of dual seroconversion to HIV-1 and HHV8) and for the effects of two HLA-B alleles (B*2705 and B*1401) significantly ($p < 5\%$) associated with KS. Panel (a) is a sensitivity analysis restricted to non-Hispanic Europeans, which are by far the predominant race group in the study population.