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Table S1. Main features of the non-anterior uveitis patients included in the study.

		Study cohort		
		Spain (N=343)	Netherlands (N=126)	UK (n=110)
Age (mean ± SD)		49.1 ± 16.7	58.6 ± 14.6	56.9 ± 18.1
Female (%)		55.8	74.5	62.7
Disease location (%)	Intermediate uveitis	23.8	27.0	46.1
	Posterior uveitis	53.4	42.1	27.0
	Panuveitis	22.9	31.0	27.0

Table S2. Overall statistical power of the study according to different minor allele frequencies (MAF) and odd ratios (OR) at the significance level 1.14×10^{-6} .

MAF	OR=1.2	OR=1.3	OR=1.4	OR=1.5	OR=1.7	OR=2.0
0.05	0.00	0.00	0.00	0.02	0.13	0.64
0.10	0.00	0.01	0.05	0.18	0.71	1.00
0.15	0.00	0.03	0.17	0.48	0.95	1.00
0.20	0.01	0.07	0.33	0.71	0.99	1.00
0.30	0.01	0.17	0.58	0.90	1.00	1.00
0.40	0.02	0.25	0.70	0.95	1.00	1.00
0.50	0.03	0.28	0.73	0.95	1.00	1.00

Table S3. SNPs, amino acid variants and HLA classical alleles associated with birdshot chorioretinopathy at the established significance level ($P < 1.14 \times 10^{-6}$) in the meta-analysis. The results of the conditioned analysis are also shown. The marker nomenclature is as follow: 1) Classical HLA alleles: HLA_[gene]_[allele]; 2) HLA amino acids: AA_[gene]_[amino acid position within the molecule]_[genetic position of the center of codon]_[allele]; 3) HLA intragenic SNPs: SNP_[gene]_[genetic position]_[allele]; 4) Insertions/deletions: [variant]_[gene]_[genetic position]_[insertion/x=deletion]. When more than one allele is shown, it refers to the presence of any of them. *For binary encodings, P=present, A=absent.

Variation	Position in Chr 6 (GRCh36)	Allele	r^2 with A*2902	r^2 with Leu62/Gln63	META-ANALYSIS (unconditioned)		META-ANALYSIS conditioned on HLA-A*2902		META-ANALYSIS conditioned on Leu62/Gln63		SPAIN		NETHERLANDS	
					P-value	OR [95% CI]	P-value	OR [95% CI]	P-value	OR [95% CI]	P-value	OR [95% CI]	P-value	OR [95% CI]
rs1150734	30153689	C	0.87	0.86	3.15E-36	34.09 [19.66-59.10]	0.665	1.23 [0.49-3.07]	0.462	1.39 [0.58-3.34]	3.99E-20	15.05 [8.44-26.83]	4.54E-16	188.50 [53.25-667.30]
rs1611697	29935364	C	0.91	0.89	4.66E-36	36.35 [20.73-63.74]	0.862	0.92 [0.34-2.48]	0.831	1.11 [0.43-2.88]	1.43E-20	16.15 [8.99-29.04]	4.54E-16	188.50 [53.25-667.30]
rs356970	30086505	C	0.87	0.85	5.82E-36	34.09 [19.62-59.23]	0.700	1.20 [0.48-2.98]	0.492	1.36 [0.57-3.24]	1.25E-19	14.76 [8.25-26.42]	5.97E-16	185.10 [52.25-655.70]
rs2517808	30058990	A	0.86	0.85	6.67E-36	31.48 [18.34-54.04]	0.935	1.04 [0.43-2.50]	0.696	1.18 [0.51-2.74]	2.87E-19	13.53 [7.66-23.90]	2.81E-16	195.10 [55.15-690.00]
rs259948	30129728	T	0.84	0.83	1.25E-35	27.68 [16.42-46.68]	0.802	0.90 [0.40-2.04]	0.959	1.02 [0.46-2.24]	2.40E-19	13.59 [7.69-23.99]	1.44E-18	106.60 [37.65-301.70]
rs2743933	29894199	G	0.96	0.99	1.25E-35	45.75 [25.07-83.49]	0.186	4.91 [0.46-51.99]	NA	NA	1.17E-21	23.95 [12.49-45.93]	9.78E-13	221.60 [50.24-977.10]
rs2523993	30183046	A	0.80	0.78	1.29E-35	26.43 [15.79-44.24]	0.861	1.07 [0.49-2.35]	0.662	1.18 [0.55-2.53]	3.00E-20	14.21 [8.08-24.98]	1.01E-18	82.49 [30.99-219.60]
rs2844794	30184707	C	0.81	0.78	1.29E-35	26.27 [15.71-43.93]	0.917	1.04 [0.48-2.29]	0.707	1.16 [0.54-2.48]	3.00E-20	14.21 [8.08-24.98]	1.19E-18	81.55 [30.65-217.00]
rs2523991	30183625	T	0.80	0.78	1.37E-35	26.28 [15.71-43.97]	0.862	1.07 [0.49-2.35]	0.663	1.18 [0.55-2.53]	3.00E-20	14.21 [8.08-24.98]	1.23E-18	82.11 [30.80-218.90]
1kg_6_30184404	30184404	A	0.80	0.78	1.43E-35	26.39 [15.76-44.17]	0.862	1.07 [0.49-2.35]	0.663	1.18 [0.55-2.53]	3.34E-20	14.16 [8.05-24.89]	1.01E-18	82.49 [30.99-219.60]

HLA_A_2902	30019970	P	1.00	0.97	3.21E-35	50.95 [27.35-94.91]	NA	NA	0.294	4.80 [0.26-89.80]	1.55E-21	22.98 [12.06-43.77]	2.21E-09	495.60 [64.87-3,787.00]
rs1611631	29943633	T	0.62	0.64	3.80E-35	16.94 [10.82-26.53]	0.505	1.44 [0.50-4.16]	0.798	1.17 [0.36-3.79]	1.96E-20	12.10 [7.14-20.51]	1.27E-12	45.16 [15.77-129.30]
rs397099	30031902	T	0.62	0.63	4.04E-35	16.49 [10.57-25.71]	0.563	1.37 [0.47-3.95]	0.837	1.13 [0.35-3.59]	2.09E-20	11.91 [7.05-20.13]	1.32E-12	45.08 [15.74-129.20]
rs9260570	30030117	A	0.62	0.63	4.04E-35	16.49 [10.57-25.71]	0.563	1.37 [0.47-3.95]	0.837	1.13 [0.35-3.59]	2.09E-20	11.91 [7.05-20.13]	1.32E-12	45.08 [15.74-129.20]
rs1611636	29944682	C	0.97	1.00	4.91E-35	49.72 [26.75-92.42]	0.095	11.16 [0.66-189.40]	NA	NA	3.22E-21	25.56 [13.05-50.03]	9.78E-13	221.60 [50.24-977.10]
SNP_A_30018447	30018447	A	0.97	1.00	4.91E-35	49.72 [26.75-92.42]	0.095	11.16 [0.66-189.40]	NA	NA	3.22E-21	25.56 [13.05-50.03]	9.78E-13	221.60 [50.24-977.10]
SNP_A_30019305	30019305	G	0.97	0.99	5.01E-35	49.45 [26.62-91.86]	0.105	11.13 [0.61-204.20]	NA	NA	2.96E-21	25.53 [13.05-49.94]	1.08E-12	219.20 [49.72-966.80]
HLA_A_29	30019970	P	0.98	1.00	5.16E-35	49.46 [26.63-91.89]	0.110	10.99 [0.58-207.80]	NA	NA	3.03E-21	25.55 [13.06-49.99]	1.08E-12	219.20 [49.72-966.80]
AA_A_62_30018696_L	30018696	P	0.97	1.00	5.33E-35	49.48 [26.63-91.93]	0.111	10.69 [0.58-197.10]	NA	NA	3.22E-21	25.56 [13.05-50.03]	1.08E-12	219.20 [49.72-966.80]
AA_A_63_30018699_Q	30018699	P	0.97	1.00	5.33E-35	49.48 [26.63-91.93]	0.111	10.69 [0.58-197.10]	NA	NA	3.22E-21	25.56 [13.05-50.03]	1.08E-12	219.20 [49.72-966.80]
SNP_A_30018486	30018486	T	0.97	1.00	5.33E-35	49.48 [26.63-91.93]	0.111	10.69 [0.58-197.10]	NA	NA	3.22E-21	25.56 [13.05-50.03]	1.08E-12	219.20 [49.72-966.80]
SNP_A_30018658	30018658	A	0.97	1.00	5.33E-35	49.48 [26.63-91.93]	0.111	10.69 [0.58-197.10]	NA	NA	3.22E-21	25.56 [13.05-50.03]	1.08E-12	219.20 [49.72-966.80]
SNP_A_30018696_T	30018696	P	0.97	1.00	5.33E-35	49.48 [26.63-91.93]	0.111	10.69 [0.58-197.10]	NA	NA	3.22E-21	25.56 [13.05-50.03]	1.08E-12	219.20 [49.72-966.80]
SNP_A_30018698_C	30018698	P	0.97	1.00	5.33E-35	49.48 [26.63-91.93]	0.111	10.69 [0.58-197.10]	NA	NA	3.22E-21	25.56 [13.05-50.03]	1.08E-12	219.20 [49.72-966.80]
SNP_A_30018619	30018619	T	0.62	0.63	5.60E-35	16.48 [10.56-25.71]	0.638	1.30 [0.43-3.89]	0.956	1.04 [0.30-3.55]	3.12E-20	11.87 [7.01-20.09]	1.32E-12	45.06 [15.73-129.10]
AA_A_9_30018537_T	30018537	P	0.60	0.61	6.04E-35	14.94 [9.72-22.96]	0.739	1.19 [0.43-3.30]	0.976	0.98 [0.32-3.00]	2.57E-20	12.01 [7.09-20.36]	1.03E-14	22.83 [10.34-50.44]
SNP_A_30018536	30018536	A	0.60	0.61	6.04E-35	14.94 [9.72-22.96]	0.739	1.19 [0.43-3.30]	0.976	0.98 [0.32-3.00]	2.57E-20	12.01 [7.09-20.36]	1.03E-14	22.83 [10.34-50.44]
rs2158287	30314705	G	0.79	0.77	6.53E-35	22.88 [13.91-37.63]	0.722	0.88 [0.42-1.81]	0.918	0.96 [0.48-1.95]	1.02E-19	13.08 [7.51-22.77]	3.29E-19	63.18 [25.51-156.50]
rs1419674	30200914	A	0.78	0.76	9.78E-35	22.27 [13.58-36.52]	0.690	0.86 [0.42-1.78]	0.884	0.95 [0.47-1.92]	1.40E-19	12.95 [7.44-22.55]	5.90E-19	59.61 [24.22-146.70]
rs2735065	30061568	T	0.67	0.65	1.03E-34	20.77 [12.80-33.70]	0.222	1.65 [0.74-3.66]	0.136	1.79 [0.83-3.87]	2.10E-19	13.58 [7.70-23.95]	8.99E-15	50.25 [18.67-135.30]
rs259928	30109749	C	0.57	0.56	3.62E-34	17.24 [10.91-27.25]	0.107	1.84 [0.88-3.88]	0.062	1.98 [0.97-4.07]	2.90E-19	13.01 [7.43-22.79]	2.68E-14	29.80 [12.43-71.40]
rs166325	30101175	G	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]

rs189605	30078991	G	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs259920	30133738	A	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs259924	30100744	G	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs259925	30100716	A	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs259937	30115472	G	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs2855593	30118936	T	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs356956	30091123	A	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs356960	30076254	T	0.58	0.56	4.87E-34	17.63 [11.10-28.00]	0.101	1.87 [0.89-3.95]	0.058	2.01 [0.98-4.15]	3.41E-19	13.59 [7.68-24.06]	2.68E-14	29.80 [12.43-71.40]
rs356955	30091204	T	0.57	0.56	5.41E-34	17.59 [11.08-27.94]	0.101	1.87 [0.88-3.94]	0.059	2.01 [0.97-4.14]	3.41E-19	13.59 [7.68-24.06]	2.87E-14	29.72 [12.40-71.25]
rs2517807	30069610	T	0.57	0.56	6.31E-34	17.60 [11.08-27.97]	0.083	1.92 [0.92-4.02]	0.048	2.06 [1.01-4.21]	4.03E-19	13.58 [7.66-24.06]	2.77E-14	29.79 [12.43-71.40]
rs174220	30125735	G	0.57	0.56	6.70E-34	17.53 [11.04-27.84]	0.102	1.86 [0.88-3.93]	0.059	2.01 [0.97-4.13]	3.79E-19	13.57 [7.66-24.02]	3.00E-14	29.72 [12.39-71.30]
rs2735068	30058562	G	0.57	0.56	7.33E-34	17.54 [11.04-27.87]	0.109	1.85 [0.87-3.91]	0.063	1.99 [0.96-4.11]	4.03E-19	13.58 [7.66-24.06]	3.46E-14	29.50 [12.30-70.78]
rs2516687	30472566	A	0.71	0.69	7.40E-34	21.08 [12.88-34.49]	0.889	0.95 [0.47-1.92]	0.935	1.03 [0.52-2.04]	9.34E-19	11.71 [6.79-20.20]	2.30E-19	64.87 [26.14-161.00]
rs2523961	30047559	T	0.44	0.45	7.89E-34	12.49 [8.31-18.79]	0.029	2.19 [1.08-4.44]	0.047	2.09 [1.01-4.31]	4.82E-20	11.41 [6.78-19.21]	1.57E-13	14.52 [7.14-29.55]
rs259930	30112165	C	0.57	0.56	1.53E-33	17.38 [10.93-27.63]	0.110	1.84 [0.87-3.87]	0.064	1.98 [0.96-4.06]	1.17E-18	13.06 [7.38-23.13]	2.68E-14	29.80 [12.43-71.40]
rs2256902	30048351	A	0.44	0.43	7.31E-33	11.49 [7.69-17.15]	0.069	1.93 [0.95-3.91]	0.032	2.09 [1.07-4.08]	6.85E-19	9.62 [5.84-15.86]	1.65E-13	15.42 [7.45-31.90]
rs2523807	29958253	C	0.54	0.55	1.18E-32	11.42 [7.65-17.06]	0.264	0.48 [0.13-1.74]	0.138	0.31 [0.06-1.46]	4.39E-17	7.25 [4.57-11.51]	2.09E-14	32.74 [13.39-80.06]
rs2508050	29928026	G	0.54	0.55	1.52E-32	11.37 [7.61-16.98]	0.261	0.48 [0.13-1.73]	0.136	0.30 [0.06-1.46]	4.39E-17	7.25 [4.57-11.51]	2.58E-14	32.34 [13.22-79.10]
rs28360011	30274924	G	0.64	0.63	4.59E-32	14.45 [9.27-22.53]	0.479	0.78 [0.40-1.55]	0.653	0.86 [0.44-1.67]	3.91E-17	8.35 [5.09-13.68]	1.21E-18	54.92 [22.53-133.80]
rs1579220	30332217	T	0.64	0.62	5.18E-32	13.98 [9.01-21.69]	0.460	0.77 [0.39-1.53]	0.632	0.85 [0.44-1.64]	3.64E-17	8.07 [4.96-13.12]	1.21E-18	54.92 [22.53-133.80]
rs1264620	30367335	C	0.64	0.62	5.96E-32	13.96 [9.00-21.67]	0.459	0.77 [0.39-1.52]	0.631	0.85 [0.44-1.64]	4.03E-17	8.06 [4.96-13.10]	1.21E-18	54.92 [22.53-133.80]
rs2508028	30317494	C	0.64	0.62	1.14E-31	13.29 [8.62-20.48]	0.404	0.75 [0.39-1.47]	0.562	0.83 [0.43-1.58]	7.88E-17	7.90 [4.86-12.85]	6.64E-18	44.05 [18.63-104.20]

rs17281677	30730438	A	0.64	0.62	1.64E-31	18.24 [11.20-29.69]	0.886	0.95 [0.49-1.84]	0.975	1.01 [0.53-1.93]	3.92E-17	10.50 [6.07-18.16]	1.36E-18	46.98 [19.93-110.70]
rs28360031	30422358	G	0.63	0.62	1.94E-31	13.77 [8.86-21.39]	0.466	0.78 [0.40-1.53]	0.633	0.85 [0.44-1.64]	1.27E-16	7.85 [4.82-12.80]	1.21E-18	54.92 [22.53-133.80]
rs1150740	30138668	T	0.46	0.45	5.12E-31	12.17 [7.98-18.58]	0.363	1.38 [0.69-2.74]	0.234	1.50 [0.77-2.91]	1.17E-17	11.13 [6.41-19.34]	2.83E-13	14.04 [6.91-28.53]
rs259945	30127185	T	0.46	0.45	5.12E-31	12.17 [7.98-18.58]	0.363	1.38 [0.69-2.74]	0.234	1.50 [0.77-2.91]	1.17E-17	11.13 [6.41-19.34]	2.83E-13	14.04 [6.91-28.53]
rs259946	30128024	A	0.46	0.45	5.12E-31	12.17 [7.98-18.58]	0.363	1.38 [0.69-2.74]	0.234	1.50 [0.77-2.91]	1.17E-17	11.13 [6.41-19.34]	2.83E-13	14.04 [6.91-28.53]
rs259949	30130557	A	0.46	0.45	5.12E-31	12.17 [7.98-18.58]	0.363	1.38 [0.69-2.74]	0.234	1.50 [0.77-2.91]	1.17E-17	11.13 [6.41-19.34]	2.83E-13	14.04 [6.91-28.53]
rs1150738	30143068	A	0.46	0.44	5.73E-31	12.15 [7.98-18.55]	0.365	1.37 [0.69-2.73]	0.235	1.49 [0.77-2.90]	1.17E-17	11.13 [6.41-19.34]	2.98E-13	14.03 [6.90-28.52]
rs2517673	30045221	T	0.43	0.44	5.73E-31	9.44 [6.45-13.80]	0.734	1.15 [0.52-2.53]	0.925	1.04 [0.46-2.38]	9.55E-18	7.91 [4.93-12.68]	3.26E-13	13.40 [6.67-26.95]
AA_A_298_30020325_F	30020325	P	0.44	0.44	6.00E-31	9.44 [6.45-13.81]	0.790	1.12 [0.50-2.50]	0.966	1.02 [0.44-2.36]	9.75E-18	7.90 [4.93-12.67]	3.16E-13	13.45 [6.69-27.07]
AA_A_307_30020352_R	30020352	P	0.44	0.44	6.00E-31	9.44 [6.45-13.81]	0.790	1.12 [0.50-2.50]	0.966	1.02 [0.44-2.36]	9.75E-18	7.90 [4.93-12.67]	3.16E-13	13.45 [6.69-27.07]
SNP_A_30020305	30020305	A	0.44	0.44	6.00E-31	9.44 [6.45-13.81]	0.790	1.12 [0.50-2.50]	0.966	1.02 [0.44-2.36]	9.75E-18	7.90 [4.93-12.67]	3.16E-13	13.45 [6.69-27.07]
SNP_A_30020324	30020324	T	0.44	0.44	6.00E-31	9.44 [6.45-13.81]	0.790	1.12 [0.50-2.50]	0.966	1.02 [0.44-2.36]	9.75E-18	7.90 [4.93-12.67]	3.16E-13	13.45 [6.69-27.07]
SNP_A_30020352	30020352	G	0.44	0.44	6.00E-31	9.44 [6.45-13.81]	0.790	1.12 [0.50-2.50]	0.966	1.02 [0.44-2.36]	9.75E-18	7.90 [4.93-12.67]	3.16E-13	13.45 [6.69-27.07]
AA_A_11_30018350_L	30018350	P	0.43	0.44	6.40E-31	9.45 [6.46-13.83]	0.735	1.15 [0.52-2.52]	0.926	1.04 [0.45-2.38]	1.18E-17	7.89 [4.92-12.67]	3.00E-13	13.46 [6.69-27.06]
SNP_A_30018350	30018350	T	0.43	0.44	6.40E-31	9.445[6.46-13.83]	0.735	1.15 [0.52-2.52]	0.926	1.04 [0.45-2.38]	1.18E-17	7.89 [4.92-12.67]	3.00E-13	13.46 [6.69-27.06]
SNP_A_30018398	30018398	T	0.43	0.44	6.40E-31	9.445[6.46-13.83]	0.735	1.15 [0.52-2.52]	0.926	1.04 [0.45-2.38]	1.18E-17	7.89 [4.92-12.67]	3.00E-13	13.46 [6.69-27.06]
SNP_A_30018461_T	30018461	P	0.43	0.44	6.40E-31	9.445[6.46-13.83]	0.735	1.15 [0.52-2.52]	0.926	1.04 [0.45-2.38]	1.18E-17	7.89 [4.92-12.67]	3.00E-13	13.46 [6.69-27.06]
SNP_A_30018982	30018982	A	0.43	0.44	6.55E-31	9.44 [6.45-13.81]	0.772	1.13 [0.51-2.50]	0.947	1.03 [0.45-2.37]	1.10E-17	7.89 [4.92-12.67]	3.16E-13	13.45 [6.69-27.07]
SNP_A_30019009	30019009	T	0.43	0.44	6.55E-31	9.44 [6.45-13.81]	0.772	1.13 [0.51-2.50]	0.947	1.03 [0.45-2.37]	1.10E-17	7.89 [4.92-12.67]	3.16E-13	13.45 [6.69-27.07]
SNP_A_30019128	30019128	T	0.43	0.44	6.55E-31	9.44 [6.45-13.81]	0.772	1.13 [0.51-2.50]	0.947	1.03 [0.45-2.37]	1.10E-17	7.89 [4.92-12.67]	3.16E-13	13.45 [6.69-27.07]
AA_A_298_30020325_I	30020325	A	0.43	0.43	7.38E-31	9.22 [6.33-13.45]	0.640	1.20 [0.56-2.54]	0.796	1.11 [0.51-2.42]	1.15E-17	7.33 [4.65-11.57]	3.00E-13	13.46 [6.69-27.06]
AA_A_307_30020352_M	30020352	A	0.43	0.43	7.38E-31	9.22 [6.33-13.45]	0.640	1.20 [0.56-2.54]	0.796	1.11 [0.51-2.42]	1.15E-17	7.33 [4.65-11.57]	3.00E-13	13.46 [6.69-27.06]

rs2571375	30053249	C	0.44	0.43	8.63E-31	11.18 [7.42-16.85]	0.282	1.45 [0.74-2.85]	0.176	1.57 [0.82-3.01]	1.53E-17	9.87 [5.83-16.71]	4.10E-13	13.89 [6.82-28.27]
AA_A_11_30018350_S	30018350	A	0.42	0.43	8.75E-31	9.23 [6.33-13.47]	0.644	1.19 [0.56-2.54]	0.817	1.10 [0.50-2.41]	1.50E-17	7.33 [4.64-11.58]	3.00E-13	13.46 [6.69-27.06]
rs1048664	30370491	G	0.53	0.54	3.35E-30	11.91 [7.78-18.22]	0.725	0.89 [0.46-1.72]	0.539	0.81 [0.42-1.58]	3.14E-16	7.62 [4.68-12.40]	3.17E-16	32.55 [14.11-75.08]
rs17194824	30401165	A	0.53	0.54	3.35E-30	11.91 [7.78-18.22]	0.725	0.89 [0.46-1.72]	0.539	0.81 [0.42-1.58]	3.14E-16	7.62 [4.68-12.40]	3.17E-16	32.55 [14.11-75.08]
rs28360019	30382862	C	0.53	0.54	3.35E-30	11.91 [7.78-18.22]	0.725	0.89 [0.46-1.72]	0.539	0.81 [0.42-1.58]	3.14E-16	7.62 [4.68-12.40]	3.17E-16	32.55 [14.11-75.08]
rs2844754	30354191	T	0.53	0.54	3.35E-30	11.91 [7.78-18.22]	0.725	0.89 [0.46-1.72]	0.539	0.81 [0.42-1.58]	3.14E-16	7.62 [4.68-12.40]	3.17E-16	32.55 [14.11-75.08]
rs2534826	30603396	T	0.56	0.55	7.70E-30	12.77 [8.23-19.83]	0.861	0.95 [0.50-1.77]	0.994	1.00 [0.54-1.86]	1.51E-15	7.33 [4.49-11.97]	1.74E-18	48.47 [20.37-115.40]
rs28360036	30646800	T	0.56	0.54	8.29E-30	12.78 [8.23-19.85]	0.861	0.95 [0.50-1.77]	0.994	1.00 [0.54-1.86]	1.56E-15	7.33 [4.49-11.97]	1.74E-18	48.47 [20.37-115.40]
rs2516698	30340353	T	0.50	0.52	1.97E-29	11.11 [7.31-16.90]	0.728	0.89 [0.46-1.72]	0.521	0.81 [0.42-1.56]	7.80E-16	7.18 [4.44-11.59]	5.13E-16	31.31 [13.62-71.97]
AA_A_63_30018699_E	30018699	A	0.36	0.37	2.55E-29	9.09 [6.19-13.35]	0.248	1.49 [0.76-2.92]	0.331	1.41 [0.71-2.82]	4.46E-15	6.31 [3.98-10.01]	1.16E-13	15.28 [7.44-31.40]
SNP_A_30018698_G	30018698	A	0.36	0.37	2.55E-29	9.09 [6.19-13.35]	0.248	1.49 [0.76-2.92]	0.331	1.41 [0.71-2.82]	4.46E-15	6.31 [3.98-10.01]	1.16E-13	15.28 [7.44-31.40]
rs2523969	30046756	A	0.34	0.34	2.57E-29	8.56 [5.89-12.44]	0.069	1.79 [0.96-3.37]	0.093	1.73 [0.91-3.29]	3.01E-17	7.75 [4.82-12.46]	4.15E-12	10.65 [5.46-20.78]
AA_A_62_30018696_RL	30018696	P	0.36	0.37	2.72E-29	9.08 [6.18-13.34]	0.273	1.47 [0.74-2.90]	0.361	1.39 [0.69-2.80]	4.46E-15	6.31 [3.98-10.01]	1.22E-13	15.27 [7.43-31.39]
rs2246199	30053599	T	0.41	0.42	1.49E-28	9.60 [6.44-14.32]	0.577	1.20 [0.63-2.31]	0.789	1.10 [0.56-2.14]	4.61E-15	6.62 [4.13-10.62]	3.51E-13	19.64 [8.80-43.81]
rs3130666	30848139	A	0.52	0.50	1.88E-28	11.95 [7.70-18.55]	0.904	0.96 [0.53-1.76]	0.966	1.01 [0.56-1.83]	9.40E-15	6.96 [4.26-11.37]	1.04E-17	41.45 [17.68-97.16]
rs2735069	30056461	T	0.35	0.37	6.90E-28	9.18 [6.18-13.66]	0.293	1.40 [0.75-2.61]	0.418	1.30 [0.69-2.47]	6.41E-16	8.50 [5.06-14.29]	6.97E-12	10.58 [5.39-20.77]
rs2508046	29941012	A	0.37	0.37	7.42E-28	7.94 [5.48-11.51]	0.694	1.16 [0.56-2.37]	0.851	1.08 [0.51-2.27]	5.17E-15	5.88 [3.77-9.16]	5.00E-13	13.51 [6.67-27.37]
rs2523809	29957598	A	0.40	0.41	1.27E-27	7.60 [5.27-10.94]	0.404	0.68 [0.27-1.69]	0.270	0.57 [0.21-1.54]	1.59E-14	5.61 [3.61-8.70]	2.13E-13	12.98 [6.55-25.73]
rs2734973	29941927	A	0.40	0.41	1.27E-27	7.60 [5.27-10.94]	0.404	0.68 [0.27-1.69]	0.270	0.57 [0.21-1.54]	1.59E-14	5.61 [3.61-8.70]	2.13E-13	12.98 [6.55-25.73]
SNP_A_30020384	30020384	A	0.40	0.41	1.32E-27	7.70 [5.33-11.12]	0.356	0.64 [0.25-1.66]	0.245	0.55 [0.20-1.52]	1.33E-14	5.77 [3.69-9.00]	2.75E-13	12.89 [6.49-25.59]
rs17188226	30276475	T	0.45	0.46	1.46E-27	9.14 [6.14-13.62]	0.661	0.87 [0.47-1.62]	0.474	0.79 [0.42-1.49]	3.76E-15	6.65 [4.15-10.67]	1.44E-13	18.95 [8.69-41.34]
rs2284168	30280212	A	0.45	0.46	1.46E-27	9.14 [6.14-13.62]	0.661	0.87 [0.47-1.62]	0.474	0.79 [0.42-1.49]	3.76E-15	6.65 [4.15-10.67]	1.44E-13	18.95 [8.69-41.34]

rs2428504	30259349	G	0.45	0.46	1.46E-27	9.14 [6.14-13.62]	0.661	0.87 [0.47-1.62]	0.474	0.79 [0.42-1.49]	3.76E-15	6.65 [4.15-10.67]	1.44E-13	18.95 [8.69-41.34]
rs28360013	30276181	C	0.45	0.46	1.46E-27	9.14 [6.14-13.62]	0.661	0.87 [0.47-1.62]	0.474	0.79 [0.42-1.49]	3.76E-15	6.65 [4.15-10.67]	1.44E-13	18.95 [8.69-41.34]
rs55957413	30283297	T	0.45	0.46	1.46E-27	9.14 [6.14-13.62]	0.661	0.87 [0.47-1.62]	0.474	0.79 [0.42-1.49]	3.76E-15	6.65 [4.15-10.67]	1.44E-13	18.95 [8.69-41.34]
rs757258	30250232	C	0.45	0.46	1.46E-27	9.14 [6.14-13.62]	0.661	0.87 [0.47-1.62]	0.474	0.79 [0.42-1.49]	3.76E-15	6.65 [4.15-10.67]	1.44E-13	18.95 [8.69-41.34]
rs2523943	30050906	C	0.33	0.34	1.48E-27	8.36 [5.70-12.26]	0.301	1.44 [0.72-2.89]	0.432	1.33 [0.65-2.73]	4.15E-15	6.38 [4.01-10.12]	1.25E-12	13.80 [6.69-28.48]
rs165256	30094663	C	0.32	0.33	1.57E-27	8.34 [5.68-12.20]	0.119	1.59 [0.89-2.83]	0.177	1.50 [0.83-2.72]	4.94E-15	6.66 [4.14-10.70]	2.56E-12	11.37 [5.76-22.45]
SNP_A_30018840	30018840	G	0.32	0.33	1.58E-27	7.53 [5.23-10.83]	0.431	1.34 [0.65-2.74]	0.631	1.20 [0.57-2.52]	1.66E-14	5.98 [3.79-9.44]	4.48E-13	12.56 [6.33-24.92]
AA_A_62_30018696_EL	30018696	P	0.32	0.33	1.59E-27	7.53 [5.23-10.84]	0.444	1.33 [0.64-2.73]	0.661	1.18 [0.56-2.51]	1.73E-14	5.98 [3.79-9.44]	4.27E-13	12.56 [6.34-24.90]
rs2108691	30056344	A	0.32	0.33	2.33E-27	8.30 [5.66-12.16]	0.128	1.57 [0.88-2.81]	0.189	1.49 [0.82-2.70]	5.51E-15	6.65 [4.14-10.70]	3.65E-12	11.24 [5.68-22.24]
rs2246642	30057497	T	0.32	0.33	2.33E-27	8.30 [5.66-12.16]	0.128	1.57 [0.88-2.81]	0.189	1.49 [0.82-2.70]	5.51E-15	6.65 [4.14-10.70]	3.65E-12	11.24 [5.68-22.24]
rs2571430	30057427	C	0.32	0.33	2.33E-27	8.30 [5.66-12.16]	0.128	1.57 [0.88-2.81]	0.189	1.49 [0.82-2.70]	5.51E-15	6.65 [4.14-10.70]	3.65E-12	11.24 [5.68-22.24]
rs410909	30057147	A	0.32	0.33	2.33E-27	8.30 [5.66-12.16]	0.128	1.57 [0.88-2.81]	0.189	1.49 [0.82-2.70]	5.51E-15	6.65 [4.14-10.70]	3.65E-12	11.24 [5.68-22.24]
rs423808	30057102	A	0.32	0.33	2.33E-27	8.30 [5.66-12.16]	0.128	1.57 [0.88-2.81]	0.189	1.49 [0.82-2.70]	5.51E-15	6.65 [4.14-10.70]	3.65E-12	11.24 [5.68-22.24]
rs2517810	30057009	G	0.32	0.33	2.44E-27	8.30 [5.66-12.16]	0.128	1.57 [0.88-2.81]	0.189	1.49 [0.82-2.70]	5.51E-15	6.65 [4.14-10.70]	3.79E-12	11.24 [5.68-22.24]
rs1264691	30301853	A	0.45	0.46	6.43E-27	8.78 [5.91-13.05]	0.451	0.79 [0.42-1.47]	0.320	0.73 [0.39-1.36]	1.49E-14	6.28 [3.93-10.04]	1.44E-13	18.95 [8.69-41.34]
rs2523741	30319882	C	0.45	0.46	6.43E-27	8.78 [5.91-13.05]	0.451	0.79 [0.42-1.47]	0.320	0.73 [0.39-1.36]	1.49E-14	6.28 [3.93-10.04]	1.44E-13	18.95 [8.69-41.34]
rs61154150	30293067	T	0.45	0.46	6.43E-27	8.78 [5.91-13.05]	0.451	0.79 [0.42-1.47]	0.320	0.73 [0.39-1.36]	1.49E-14	6.28 [3.93-10.04]	1.44E-13	18.95 [8.69-41.34]
rs17194627	30289617	T	0.45	0.46	6.62E-27	8.78 [5.91-13.05]	0.451	0.79 [0.42-1.47]	0.319	0.73 [0.39-1.36]	1.51E-14	6.28 [3.93-10.04]	1.44E-13	18.95 [8.69-41.34]
rs1128306	30051248	A	0.28	0.28	7.29E-27	7.91 [5.42-11.54]	0.041	1.87 [1.03-3.43]	0.060	1.80 [0.97-3.32]	3.87E-15	6.72 [4.18-10.81]	7.23E-12	10.64 [5.41-20.92]
rs2232238	30050836	C	0.28	0.28	7.29E-27	7.91 [5.42-11.54]	0.041	1.87 [1.03-3.43]	0.060	1.80 [0.97-3.32]	3.87E-15	6.72 [4.18-10.81]	7.23E-12	10.64 [5.41-20.92]
rs2523947	30049852	A	0.28	0.28	7.29E-27	7.91 [5.42-11.54]	0.041	1.87 [1.03-3.43]	0.060	1.80 [0.97-3.32]	3.87E-15	6.72 [4.18-10.81]	7.23E-12	10.64 [5.41-20.92]
rs400488	30051014	T	0.28	0.28	7.29E-27	7.91 [5.42-11.54]	0.041	1.87 [1.03-3.43]	0.060	1.80 [0.97-3.32]	3.87E-15	6.72 [4.18-10.81]	7.23E-12	10.64 [5.41-20.92]

rs2523937	30035200	C	0.28	0.30	1.23E-26	7.79 [5.35-11.36]	0.042	1.87 [1.02-3.41]	0.071	1.76 [0.95-3.25]	2.09E-15	6.65 [4.16-10.61]	1.20E-11	11.03 [5.51-22.07]
rs362533	29636876	G	0.40	0.38	4.79E-26	9.87 [6.45-15.10]	0.983	1.01 [0.57-1.78]	0.745	1.10 [0.62-1.94]	1.66E-15	7.68 [4.65-12.69]	1.42E-12	18.04 [8.10-40.16]
rs2021107	30336117	T	0.36	0.36	5.74E-25	7.90 [5.33-11.69]	0.945	0.98 [0.53-1.80]	0.750	0.91 [0.49-1.67]	2.25E-12	5.17 [3.27-8.17]	4.31E-15	27.12 [11.89-61.85]
rs28360024	30400126	T	0.36	0.36	5.74E-25	7.90 [5.33-11.69]	0.945	0.98 [0.53-1.80]	0.750	0.91 [0.49-1.67]	2.25E-12	5.17 [3.27-8.17]	4.31E-15	27.12 [11.89-61.85]
rs259942	30123146	A	0.27	0.28	1.03E-24	6.66 [4.64-9.57]	0.163	1.47 [0.86-2.51]	0.256	1.37 [0.79-2.37]	1.74E-11	4.47 [2.89-6.92]	7.79E-13	12.34 [6.21-24.55]
rs2516718	30331882	T	0.35	0.35	1.16E-24	7.88 [5.31-11.69]	0.936	0.98 [0.53-1.79]	0.742	0.90 [0.49-1.66]	4.63E-12	5.11 [3.22-8.11]	4.31E-15	27.12 [11.89-61.85]
rs362520	29666343	C	0.39	0.38	1.67E-24	9.05 [5.93-13.81]	0.628	0.87 [0.49-1.54]	0.866	0.95 [0.54-1.68]	4.65E-14	6.80 [4.13-11.18]	7.01E-13	18.32 [8.28-40.53]
HLA_C_1601	31346171	P	0.35	0.34	2.12E-24	9.71 [6.27-15.4]	0.572	1.17 [0.68-2.01]	0.512	1.20 [0.70-2.05]	3.31E-13	6.66 [4.00-11.10]	2.66E-14	22.48 [10.09-50.11]
AA_A_334_30021017_V	30021017	A	0.31	0.31	9.78E-24	6.21 [4.35-8.87]	0.535	0.80 [0.40-1.62]	0.436	0.75 [0.36-1.55]	1.39E-12	4.94 [3.18-7.69]	1.65E-11	8.27 [4.47-15.29]
SNP_A_30021090	30021090	G	0.31	0.32	1.00E-23	6.18 [4.33-8.82]	0.453	0.76 [0.37-1.57]	0.360	0.70 [0.33-1.49]	1.33E-12	5.00 [3.20-7.79]	1.65E-11	8.27 [4.47-15.29]
SNP_A_30021158	30021158	T	0.31	0.32	1.00E-23	6.18 [4.33-8.82]	0.453	0.76 [0.37-1.57]	0.360	0.70 [0.33-1.49]	1.33E-12	5.00 [3.20-7.79]	1.65E-11	8.27 [4.47-15.29]
AA_A_334_30021017_M	30021017	P	0.31	0.32	1.06E-23	6.18 [4.33-8.82]	0.409	0.73 [0.35-1.54]	0.322	0.68 [0.31-1.47]	1.33E-12	5.00 [3.20-7.79]	1.72E-11	8.26 [4.47-15.29]
SNP_A_30020904	30020904	G	0.31	0.32	1.06E-23	6.18 [4.33-8.82]	0.409	0.73 [0.35-1.54]	0.322	0.68 [0.31-1.47]	1.33E-12	5.00 [3.20-7.79]	1.72E-11	8.26 [4.47-15.29]
SNP_A_30020980	30020980	C	0.31	0.32	1.06E-23	6.18 [4.33-8.82]	0.409	0.73 [0.35-1.54]	0.322	0.68 [0.31-1.47]	1.33E-12	5.00 [3.20-7.79]	1.72E-11	8.26 [4.47-15.29]
SNP_A_30021016	30021016	A	0.31	0.32	1.06E-23	6.18 [4.33-8.82]	0.409	0.73 [0.35-1.54]	0.322	0.68 [0.31-1.47]	1.33E-12	5.00 [3.20-7.79]	1.72E-11	8.26 [4.47-15.29]
AA_A_246_30020067_A	30020067	A	0.31	0.31	1.49E-23	6.12 [4.29-8.73]	0.450	0.76 [0.37-1.56]	0.357	0.70 [0.33-1.49]	1.77E-12	4.93 [3.16-7.68]	1.65E-11	8.27 [4.47-15.29]
AA_A_246_30020067_S	30020067	P	0.31	0.31	1.57E-23	6.12 [4.29-8.72]	0.407	0.73 [0.35-1.54]	0.320	0.68 [0.31-1.46]	1.77E-12	4.93 [3.16-7.68]	1.72E-11	8.26 [4.47-15.29]
SNP_A_30020066	30020066	T	0.31	0.31	1.57E-23	6.12 [4.29-8.72]	0.407	0.73 [0.35-1.54]	0.320	0.68 [0.31-1.46]	1.77E-12	4.93 [3.16-7.68]	1.72E-11	8.26 [4.47-15.29]
rs7747738	31338903	T	0.33	0.32	1.77E-23	8.64 [5.66-13.18]	0.693	1.11 [0.65-1.90]	0.643	1.13 [0.67-1.93]	1.12E-12	6.16 [3.73-10.16]	1.74E-13	18.12 [8.38-39.16]
HLA_B_4403	31431272	P	0.27	0.27	1.85E-23	8.39 [5.52-12.73]	0.257	1.37 [0.80-2.36]	0.227	1.40 [0.81-2.40]	4.36E-12	5.85 [3.55-9.64]	7.92E-13	16.28 [7.59-34.92]
SNP_A_30020020	30020020	T	0.25	0.26	1.89E-23	5.89 [4.16-8.35]	0.503	1.25 [0.65-2.38]	0.668	1.16 [0.60-2.24]	3.26E-12	4.84 [3.11-7.54]	7.05E-12	8.37 [4.56-15.37]
AA_A_299_30020328_T	30020328	A	0.30	0.31	1.97E-23	6.12 [4.28-8.73]	0.529	0.80 [0.40-1.61]	0.418	0.74 [0.36-1.53]	2.45E-12	4.84 [3.12-7.53]	1.65E-11	8.27 [4.47-15.29]

AA_C_193_31346211_P	31346211	A	0.33	0.32	2.08E-23	8.61 [5.64-13.15]	0.694	1.11 [0.65-1.90]	0.644	1.13 [0.67-1.93]	1.21E-12	6.14 [3.72-10.14]	2.13E-13	17.97 [8.31-38.87]
AA_A_299_30020328_A	30020328	P	0.31	0.31	2.17E-23	6.08 [4.26-8.67]	0.404	0.73 [0.35-1.54]	0.307	0.67 [0.30-1.45]	2.37E-12	4.89 [3.14-7.62]	1.72E-11	8.26 [4.47-15.29]
SNP_A_30020327	30020327	G	0.31	0.31	2.17E-23	6.08 [4.26-8.67]	0.404	0.73 [0.35-1.54]	0.307	0.67 [0.30-1.45]	2.37E-12	4.89 [3.14-7.62]	1.72E-11	8.26 [4.47-15.29]
SNP_C_31345236	31345236	T	0.33	0.32	2.30E-23	8.57 [5.61-13.07]	0.696	1.11 [0.65-1.89]	0.645	1.13 [0.67-1.93]	1.21E-12	6.14 [3.72-10.14]	2.51E-13	17.81 [8.24-38.51]
SNP_C_31345417	31345417	A	0.33	0.32	2.30E-23	8.57 [5.61-13.07]	0.696	1.11 [0.65-1.89]	0.645	1.13 [0.67-1.93]	1.21E-12	6.14 [3.72-10.14]	2.51E-13	17.81 [8.24-38.51]
SNP_C_31345744	31345744	A	0.33	0.32	2.30E-23	8.57 [5.61-13.07]	0.696	1.11 [0.65-1.89]	0.645	1.13 [0.67-1.93]	1.21E-12	6.14 [3.72-10.14]	2.51E-13	17.81 [8.24-38.51]
AA_A_151_30019204	30019204	R	0.29	0.30	2.48E-23	6.41 [4.45-9.25]	0.713	0.87 [0.43-1.79]	0.572	0.81 [0.39-1.69]	1.03E-12	4.95 [3.19-7.68]	2.29E-11	9.99 [5.09-19.61]
SNP_A_30019204	30019204	G	0.29	0.30	2.48E-23	6.41 [4.45-9.25]	0.713	0.87 [0.43-1.79]	0.572	0.81 [0.39-1.69]	1.03E-12	4.95 [3.19-7.68]	2.29E-11	9.99 [5.09-19.61]
AA_C_193_31346211_L	31346211	P	0.33	0.32	2.73E-23	8.55 [5.60-13.05]	0.697	1.11 [0.65-1.89]	0.646	1.13 [0.67-1.93]	1.42E-12	6.12 [3.71-10.09]	2.51E-13	17.81 [8.24-38.51]
HLA_C_16	31346171	P	0.33	0.32	2.73E-23	8.55 [5.60-13.05]	0.697	1.11 [0.65-1.89]	0.646	1.13 [0.67-1.93]	1.42E-12	6.12 [3.71-10.09]	2.51E-13	17.81 [8.24-38.51]
SNP_C_31346211	31346211	A	0.33	0.32	2.73E-23	8.55 [5.60-13.05]	0.697	1.11 [0.65-1.89]	0.646	1.13 [0.67-1.93]	1.42E-12	6.12 [3.71-10.09]	2.51E-13	17.81 [8.24-38.51]
SNP_C_31346474	31346474	A	0.33	0.32	2.73E-23	8.55 [5.60-13.05]	0.697	1.11 [0.65-1.89]	0.646	1.13 [0.67-1.93]	1.42E-12	6.12 [3.71-10.09]	2.51E-13	17.81 [8.24-38.51]
SNP_C_31346515	31346515	A	0.33	0.32	2.73E-23	8.55 [5.60-13.05]	0.697	1.11 [0.65-1.89]	0.646	1.13 [0.67-1.93]	1.42E-12	6.12 [3.71-10.09]	2.51E-13	17.81 [8.24-38.51]
SNP_C_31347136	31347136	G	0.33	0.32	2.73E-23	8.55 [5.60-13.05]	0.697	1.11 [0.65-1.89]	0.646	1.13 [0.67-1.93]	1.42E-12	6.12 [3.71-10.09]	2.51E-13	17.81 [8.24-38.51]
SNP_C_31347225	31347225	C	0.33	0.32	2.73E-23	8.55 [5.60-13.05]	0.697	1.11 [0.65-1.89]	0.646	1.13 [0.67-1.93]	1.42E-12	6.12 [3.71-10.09]	2.51E-13	17.81 [8.24-38.51]
rs6913377	31351474	A	0.33	0.32	3.42E-23	8.43 [5.53-12.84]	0.726	1.10 [0.65-1.87]	0.676	1.12 [0.66-1.91]	1.49E-12	6.10 [3.70-10.06]	3.32E-13	16.93 [7.91-36.26]
AA_C_156_31346909_Q	31346909	P	0.32	0.32	7.44E-23	8.32 [5.46-12.69]	0.697	1.11 [0.66-1.88]	0.648	1.13 [0.67-1.92]	5.29E-12	5.81 [3.52-9.57]	1.39E-13	18.35 [8.49-39.68]
SNP_A_30018439	30018439	C	0.25	0.25	3.17E-22	5.82 [4.08-8.31]	0.597	1.17 [0.65-2.13]	0.680	1.14 [0.62-2.09]	5.17E-12	4.85 [3.10-7.60]	1.06E-10	7.14 [3.93-12.96]
rs3893538	30032404	G	0.20	0.21	3.37E-22	5.94 [4.14-8.51]	0.047	1.75 [1.01-3.04]	0.075	1.66 [0.95-2.91]	1.83E-11	4.82 [3.05-7.63]	4.04E-11	7.82 [4.25-14.39]
rs2523995	30210163	A	0.31	0.30	4.03E-22	5.81 [4.07-8.31]	0.938	0.98 [0.56-1.70]	0.880	1.04 [0.61-1.79]	5.13E-13	5.00 [3.23-7.74]	4.43E-10	8.56 [4.36-16.81]
rs2255221	31539670	T	0.21	0.20	1.30E-21	5.91 [4.10-8.51]	0.085	1.53 [0.94-2.46]	0.068	1.56 [0.97-2.52]	3.49E-11	4.34 [2.81-6.69]	7.31E-11	8.81 [4.58-16.96]
rs3025651	29647893	C	0.29	0.28	3.72E-21	6.89 [4.62-10.29]	0.759	0.92 [0.53-1.59]	0.995	1.00 [0.58-1.72]	9.23E-12	5.02 [3.16-7.98]	5.94E-12	15.75 [7.18-34.55]

rs2246198	30053581	A	0.28	0.29	8.35E-21	5.62 [3.91-8.06]	0.716	0.90 [0.50-1.61]	0.548	0.83 [0.46-1.52]	2.74E-09	3.67 [2.39-5.64]	9.08E-12	11.98 [5.87-24.45]
rs2246638	30057476	T	0.23	0.24	2.54E-20	5.33 [3.74-7.60]	0.574	1.17 [0.68-1.99]	0.698	1.11 [0.65-1.92]	1.55E-09	3.81 [2.47-5.87]	5.45E-11	8.37 [4.43-15.78]
AA_A_97_30019042_IR	30019042	A	0.18	0.18	3.35E-20	5.20 [3.66-7.39]	0.157	1.47 [0.86-2.53]	0.204	1.42 [0.83-2.45]	1.50E-10	4.35 [2.77-6.81]	3.77E-10	6.54 [3.63-11.76]
AA_A_97_30019042_M	30019042	P	0.18	0.18	3.51E-20	5.20 [3.66-7.39]	0.171	1.46 [0.85-2.51]	0.220	1.41 [0.81-2.43]	1.50E-10	4.35 [2.77-6.81]	3.93E-10	6.54 [3.63-11.77]
AA_A_9_30018537_FS	30018537	A	0.22	0.22	3.61E-20	5.45 [3.80-7.82]	0.605	1.16 [0.66-2.07]	0.734	1.11 [0.62-1.99]	1.65E-10	4.41 [2.80-6.95]	2.63E-10	6.92 [3.80-12.60]
rs3025650	29650926	G	0.28	0.27	6.37E-20	6.20 [4.19-9.17]	0.670	0.89 [0.52-1.52]	0.907	0.97 [0.57-1.65]	6.57E-11	4.52 [2.87-7.11]	8.20E-12	15.34 [7.01-33.56]
AA_A_62_30018696_QG	30018696	A	0.19	0.19	6.80E-20	5.26 [3.69-7.52]	0.213	1.42 [0.82-2.44]	0.282	1.36 [0.78-2.36]	3.92E-09	3.87 [2.46-6.06]	4.63E-11	7.56 [4.14-13.80]
AA_A_9_30018537_FY	30018537	A	0.20	0.21	1.12E-19	4.97 [3.51-7.02]	0.677	1.13 [0.63-2.05]	0.860	1.06 [0.58-1.93]	7.72E-10	4.01 [2.58-6.25]	1.02E-10	6.94 [3.86-12.49]
SNP_A_30018537_C	30018537	P	0.20	0.21	1.16E-19	4.96 [3.51-7.02]	0.718	1.12 [0.61-2.03]	0.904	1.04 [0.56-1.92]	7.72E-10	4.01 [2.58-6.25]	1.05E-10	6.94 [3.85-12.49]
rs204879	32151135	G	0.26	0.25	2.47E-19	7.88 [5.03-12.37]	0.625	1.14 [0.67-1.97]	0.604	1.15 [0.67-1.99]	1.55E-10	5.95 [3.45-10.28]	1.23E-10	14.23 [6.34-31.93]
rs106287	32043729	T	0.26	0.26	2.77E-19	7.87 [5.02-12.34]	0.666	1.13 [0.66-1.94]	0.644	1.14 [0.66-1.96]	1.56E-10	5.97 [3.46-10.33]	1.23E-10	14.23 [6.34-31.93]
AA_C_156_31346909_DQ	31346909	P	0.26	0.25	2.84E-19	5.82 [3.96-8.54]	0.886	1.04 [0.62-1.74]	0.831	1.06 [0.63-1.77]	2.74E-10	4.85 [2.97-7.92]	1.16E-10	8.61 [4.47-16.57]
SNP_C_31346909_T	31346909	P	0.26	0.25	2.84E-19	5.82 [3.96-8.54]	0.886	1.04 [0.62-1.74]	0.831	1.06 [0.63-1.77]	2.74E-10	4.85 [2.97-7.92]	1.16E-10	8.61 [4.47-16.57]
rs2021723	30211902	T	0.25	0.25	3.03E-19	4.91 [3.47-6.95]	0.888	1.04 [0.62-1.75]	0.962	0.99 [0.58-1.68]	7.78E-12	4.49 [2.92-6.91]	1.94E-08	6.00 [3.21-11.20]
rs2021731	30212576	A	0.25	0.25	3.03E-19	4.91 [3.47-6.95]	0.888	1.04 [0.62-1.75]	0.962	0.99 [0.58-1.68]	7.78E-12	4.49 [2.92-6.91]	1.94E-08	6.00 [3.21-11.20]
rs2517591	30211028	A	0.25	0.25	3.03E-19	4.91 [3.47-6.95]	0.888	1.04 [0.62-1.75]	0.962	0.99 [0.58-1.68]	7.78E-12	4.49 [2.92-6.91]	1.94E-08	6.00 [3.21-11.20]
rs2523974	30197407	G	0.24	0.25	3.04E-19	4.90 [3.46-6.93]	0.818	1.06 [0.63-1.78]	0.968	1.01 [0.60-1.71]	6.98E-12	4.50 [2.93-6.91]	2.21E-08	5.97 [3.19-11.15]
rs2844586	31426003	T	0.24	0.24	3.39E-19	5.98 [4.04-8.85]	0.662	1.12 [0.68-1.84]	0.629	1.13 [0.69-1.85]	1.36E-09	4.13 [2.61-6.54]	2.39E-12	14.87 [6.99-31.63]
rs1015465	30194319	G	0.25	0.25	3.43E-19	4.90 [3.46-6.93]	0.908	1.03 [0.61-1.74]	0.941	0.98 [0.58-1.67]	7.64E-12	4.50 [2.92-6.91]	2.21E-08	5.97 [3.19-11.15]
rs2517593	30196453	C	0.25	0.25	4.58E-19	4.81 [3.41-6.79]	0.942	1.02 [0.61-1.72]	0.908	0.97 [0.57-1.65]	8.49E-12	4.47 [2.91-6.87]	2.30E-08	5.85 [3.15-10.88]
AA_A_76_30018738_A	30018738	P	0.23	0.24	5.17E-19	4.76 [3.38-6.71]	0.489	0.81 [0.45-1.47]	0.389	0.77 [0.42-1.40]	6.21E-12	4.75 [3.05-7.41]	6.46E-08	4.60 [2.64-7.99]
SNP_A_30018738_C	30018738	P	0.23	0.24	5.17E-19	4.76 [3.38-6.71]	0.489	0.81 [0.45-1.47]	0.389	0.77 [0.42-1.40]	6.21E-12	4.75 [3.05-7.41]	6.46E-08	4.60 [2.64-7.99]

rs6939227	31978852	A	0.25	0.24	5.83E-19	7.23 [4.68-11.19]	0.575	1.16 [0.69-1.97]	0.548	1.18 [0.69-2.00]	1.78E-09	5.23 [3.05-8.96]	4.66E-11	13.92 [6.36-30.51]
rs7743807	31962522	T	0.25	0.24	5.83E-19	7.23 [4.68-11.19]	0.575	1.16 [0.69-1.97]	0.548	1.18 [0.69-2.00]	1.78E-09	5.23 [3.05-8.96]	4.66E-11	13.92 [6.36-30.51]
rs2523733	30239494	T	0.26	0.26	6.66E-19	4.76 [3.37-6.71]	0.802	0.94 [0.56-1.58]	0.650	0.88 [0.52-1.50]	1.03E-11	4.43 [2.89-6.81]	3.97E-08	5.49 [2.99-10.09]
rs1967	30233516	T	0.25	0.26	1.10E-18	4.71 [3.34-6.65]	0.794	0.93 [0.55-1.57]	0.643	0.88 [0.52-1.50]	1.37E-11	4.40 [2.86-6.76]	4.77E-08	5.46 [2.97-10.04]
rs6916278	31786753	A	0.17	0.17	1.41E-18	5.68 [3.86-8.37]	0.113	1.49 [0.91-2.44]	0.107	1.50 [0.92-2.46]	5.26E-09	4.23 [2.61-6.87]	1.82E-10	9.64 [4.80-19.34]
rs28366155	31766613	G	0.17	0.17	1.42E-18	5.69 [3.86-8.38]	0.113	1.49 [0.91-2.44]	0.107	1.50 [0.92-2.46]	4.78E-09	4.25 [2.62-6.90]	1.82E-10	9.64 [4.80-19.34]
rs204889	32194070	T	0.25	0.24	1.67E-18	7.31 [4.69-11.39]	0.713	1.11 [0.65-1.90]	0.688	1.12 [0.65-1.92]	3.36E-09	5.09 [2.97-8.73]	2.26E-11	15.46 [6.93-34.48]
rs2524276	31516244	T	0.20	0.20	2.62E-18	5.55 [3.77-8.15]	0.505	1.19 [0.72-1.97]	0.447	1.22 [0.74-2.01]	1.09E-08	3.85 [2.43-6.12]	6.69E-12	12.46 [6.06-25.59]
rs2257914	30228542	A	0.24	0.25	2.69E-18	4.65 [3.29-6.57]	0.892	0.96 [0.57-1.62]	0.745	0.92 [0.54-1.55]	3.75E-11	4.18 [2.74-6.39]	2.98E-08	5.90 [3.15-11.06]
rs3094576	29624221	A	0.22	0.21	3.78E-18	4.93 [3.44-7.07]	0.939	0.98 [0.57-1.69]	0.891	1.04 [0.61-1.77]	2.92E-09	4.00 [2.53-6.32]	1.04E-09	7.08 [3.78-13.27]
rs1264708	30165133	C	0.14	0.14	5.37E-18	4.77 [3.35-6.79]	0.088	1.53 [0.94-2.51]	0.057	1.60 [0.99-2.61]	1.43E-08	3.67 [2.34-5.74]	7.42E-10	6.46 [3.57-11.71]
rs2507980	31455856	T	0.20	0.19	6.31E-18	5.24 [3.60-7.64]	0.567	1.17 [0.69-1.96]	0.477	1.21 [0.72-2.02]	1.76E-08	3.71 [2.35-5.86]	9.13E-12	11.45 [5.68-23.07]
rs2523632	31453823	T	0.20	0.19	6.31E-18	5.24 [3.60-7.64]	0.567	1.17 [0.69-1.96]	0.477	1.21 [0.72-2.02]	1.76E-08	3.71 [2.35-5.86]	9.13E-12	11.45 [5.68-23.07]
rs2523639	31452077	A	0.20	0.19	6.31E-18	5.24 [3.60-7.64]	0.567	1.17 [0.69-1.96]	0.477	1.21 [0.72-2.02]	1.76E-08	3.71 [2.35-5.86]	9.13E-12	11.45 [5.68-23.07]
rs2853972	31462323	T	0.20	0.19	6.31E-18	5.24 [3.60-7.64]	0.567	1.17 [0.69-1.96]	0.477	1.21 [0.72-2.02]	1.76E-08	3.71 [2.35-5.86]	9.13E-12	11.45 [5.68-23.07]
rs2523626	31454469	T	0.20	0.19	7.13E-18	5.23 [3.59-7.63]	0.568	1.16 [0.69-1.96]	0.478	1.21 [0.72-2.02]	1.99E-08	3.69 [2.34-5.83]	9.13E-12	11.45 [5.68-23.07]
rs2523547	31458133	A	0.19	0.19	7.43E-18	5.23 [3.59-7.62]	0.569	1.16 [0.69-1.96]	0.479	1.21 [0.72-2.02]	2.04E-08	3.69 [2.34-5.83]	9.13E-12	11.45 [5.68-23.07]
rs1264707	30171066	A	0.18	0.17	7.66E-18	4.69 [3.30-6.67]	0.644	1.14 [0.66-1.95]	0.516	1.19 [0.70-2.03]	1.05E-08	3.75 [2.39-5.90]	6.93E-10	6.63 [3.63-12.09]
rs2844677	31063338	T	0.22	0.22	7.67E-18	5.41 [3.68-7.94]	0.724	1.10 [0.66-1.83]	0.678	1.11 [0.67-1.85]	1.05E-09	4.16 [2.63-6.58]	2.22E-10	9.76 [4.83-19.71]
rs2844567	31444623	T	0.19	0.19	8.05E-18	5.22 [3.58-7.62]	0.570	1.16 [0.69-1.96]	0.479	1.21 [0.72-2.02]	2.20E-08	3.68 [2.33-5.82]	9.13E-12	11.45 [5.68-23.07]
rs204895	32174198	A	0.25	0.24	8.88E-18	7.01 [4.49-10.93]	0.874	1.05 [0.61-1.79]	0.849	1.05 [0.61-1.81]	2.73E-09	5.15 [3.00-8.83]	2.11E-10	13.53 [6.06-30.23]
rs2523477	31468368	G	0.20	0.19	9.40E-18	5.16 [3.55-7.50]	0.595	1.15 [0.69-1.93]	0.502	1.19 [0.71-1.99]	2.29E-08	3.64 [2.31-5.72]	9.13E-12	11.45 [5.68-23.07]

rs2517610	30278259	C	0.18	0.19	9.41E-18	4.36 [3.11-6.10]	0.729	1.09 [0.68-1.74]	0.880	1.04 [0.65-1.67]	2.10E-09	3.76 [2.44-5.80]	4.28E-09	5.33 [3.05-9.31]
1kg_6_30282110	30282110	T	0.19	0.19	1.04E-17	4.34 [3.10-6.07]	0.751	1.08 [0.67-1.73]	0.903	1.03 [0.64-1.65]	2.37E-09	3.72 [2.42-5.73]	4.28E-09	5.33 [3.05-9.31]
rs1117490	30278489	C	0.19	0.19	1.04E-17	4.34 [3.10-6.07]	0.751	1.08 [0.67-1.73]	0.903	1.03 [0.64-1.65]	2.37E-09	3.72 [2.42-5.73]	4.28E-09	5.33 [3.05-9.31]
rs2523721	30274245	A	0.19	0.19	1.04E-17	4.34 [3.10-6.07]	0.751	1.08 [0.67-1.73]	0.903	1.03 [0.64-1.65]	2.37E-09	3.72 [2.42-5.73]	4.28E-09	5.33 [3.05-9.31]
rs885912	30282612	T	0.19	0.19	1.04E-17	4.34 [3.10-6.07]	0.751	1.08 [0.67-1.73]	0.903	1.03 [0.64-1.65]	2.37E-09	3.72 [2.42-5.73]	4.28E-09	5.33 [3.05-9.31]
rs449283	32045016	A	0.23	0.23	1.06E-17	6.59 [4.28-10.14]	0.715	1.10 [0.65-1.87]	0.688	1.11 [0.66-1.89]	3.01E-09	5.03 [2.95-8.58]	6.76E-10	11.42 [5.27-24.75]
rs2844523	31476567	T	0.20	0.19	1.11E-17	5.11 [3.52-7.43]	0.605	1.15 [0.68-1.93]	0.511	1.19 [0.71-1.99]	2.34E-08	3.62 [2.31-5.70]	9.70E-12	11.42 [5.67-23.01]
rs2844776	30279806	C	0.18	0.19	1.11E-17	4.34 [3.10-6.07]	0.753	1.08 [0.67-1.73]	0.904	1.03 [0.64-1.65]	2.48E-09	3.72 [2.42-5.73]	4.31E-09	5.33 [3.05-9.31]
rs374780	32049369	C	0.23	0.22	1.21E-17	6.55 [4.26-10.07]	0.708	1.11 [0.65-1.87]	0.681	1.12 [0.66-1.89]	2.84E-09	5.04 [2.96-8.59]	1.10E-09	10.91 [5.06-23.53]
rs1264701	30174337	A	0.17	0.17	1.39E-17	4.64 [3.26-6.61]	0.623	1.15 [0.67-1.97]	0.499	1.20 [0.71-2.04]	1.53E-08	3.70 [2.35-5.82]	7.29E-10	6.63 [3.63-12.11]
rs9295990	31493998	G	0.18	0.18	1.56E-17	5.23 [3.57-7.65]	0.330	1.27 [0.78-2.08]	0.282	1.31 [0.80-2.12]	2.83E-08	3.61 [2.30-5.69]	1.62E-11	11.76 [5.74-24.09]
rs2523734	30237655	G	0.24	0.24	1.61E-17	4.43 [3.14-6.24]	0.649	0.89 [0.52-1.50]	0.505	0.83 [0.49-1.42]	8.88E-11	4.11 [2.68-6.29]	1.39E-07	5.01 [2.75-9.12]
rs2516472	31502679	C	0.18	0.18	1.89E-17	5.12 [3.51-7.46]	0.322	1.28 [0.79-2.07]	0.275	1.31 [0.81-2.11]	3.31E-08	3.53 [2.26-5.52]	1.35E-11	11.97 [5.83-24.59]
rs204890	32193576	A	0.23	0.22	2.33E-17	6.59 [4.26-10.19]	0.726	1.10 [0.65-1.87]	0.700	1.11 [0.65-1.89]	3.16E-09	4.93 [2.91-8.35]	2.22E-10	13.48 [6.04-30.11]
rs1156534	30173131	G	0.17	0.17	2.66E-17	4.57 [3.22-6.50]	0.699	1.11 [0.65-1.90]	0.565	1.17 [0.69-1.98]	2.56E-08	3.61 [2.30-5.67]	9.50E-10	6.55 [3.59-11.96]
rs2057726	30443329	G	0.25	0.24	2.87E-17	4.60 [3.23-6.55]	0.174	0.68 [0.39-1.19]	0.266	0.73 [0.43-1.27]	4.90E-10	4.33 [2.73-6.86]	1.76E-08	5.16 [2.92-9.14]
AA_A_144_30019183_K	30019183	A	0.22	0.22	2.99E-17	4.50 [3.17-6.38]	0.225	0.66 [0.34-1.29]	0.172	0.62 [0.32-1.23]	1.58E-08	3.48 [2.26-5.36]	1.11E-09	6.12 [3.42-10.97]
SNP_A_30019182_A	30019182	A	0.22	0.22	3.23E-17	4.49 [3.17-6.37]	0.216	0.66 [0.34-1.28]	0.166	0.62 [0.32-1.22]	1.61E-08	3.47 [2.26-5.35]	1.11E-09	6.12 [3.42-10.97]
AA_A_144_30019183_Q	30019183	P	0.22	0.22	3.46E-17	4.49 [3.17-6.36]	0.191	0.64 [0.32-1.25]	0.146	0.60 [0.30-1.20]	1.61E-08	3.47 [2.26-5.35]	1.18E-09	6.12 [3.41-10.97]
SNP_A_30019182_C	30019182	P	0.22	0.22	3.46E-17	4.49 [3.17-6.36]	0.191	0.64 [0.32-1.25]	0.146	0.60 [0.30-1.20]	1.61E-08	3.47 [2.26-5.35]	1.18E-09	6.12 [3.41-10.97]
rs638383	32016203	A	0.23	0.23	3.92E-17	6.46 [4.18-9.98]	0.877	1.04 [0.61-1.77]	0.851	1.05 [0.62-1.79]	1.08E-08	4.85 [2.82-8.33]	6.76E-10	11.42 [5.27-24.75]
rs505997	32229910	A	0.22	0.21	6.18E-17	6.23 [4.06-9.57]	0.701	1.11 [0.66-1.86]	0.674	1.12 [0.67-1.88]	1.41E-08	4.65 [2.73-7.91]	8.57E-10	11.16 [5.16-24.13]

rs2523691	31528666	T	0.18	0.18	6.58E-17	5.00 [3.43-7.29]	0.417	1.22 [0.75-1.98]	0.361	1.25 [0.77-2.02]	9.47E-08	3.41 [2.17-5.34]	1.35E-11	11.97 [5.83-24.59]
rs2596480	31533964	A	0.18	0.18	6.58E-17	5.00 [3.43-7.29]	0.417	1.22 [0.75-1.98]	0.361	1.25 [0.77-2.02]	9.47E-08	3.41 [2.17-5.34]	1.35E-11	11.97 [5.83-24.59]
SNP_A_30018979_C	30018979	P	0.16	0.17	7.18E-17	4.37 [3.09-6.19]	0.512	1.20 [0.70-2.05]	0.643	1.14 [0.66-1.96]	1.06E-08	3.64 [2.34-5.67]	7.17E-09	5.21 [2.98-9.11]
rs2596460	31525489	C	0.18	0.17	7.70E-17	4.99 [3.42-7.28]	0.418	1.22 [0.75-1.98]	0.362	1.25 [0.77-2.02]	1.04E-07	3.40 [2.17-5.33]	1.35E-11	11.97 [5.83-24.59]
rs1269851	32200185	G	0.22	0.22	7.75E-17	6.26 [4.06-9.63]	0.864	1.05 [0.62-1.77]	0.837	1.06 [0.62-1.79]	1.80E-08	4.67 [2.73-7.97]	7.39E-10	11.36 [5.24-24.62]
rs2555456	32210209	A	0.22	0.22	7.75E-17	6.26 [4.06-9.63]	0.864	1.05 [0.62-1.77]	0.837	1.06 [0.62-1.79]	1.80E-08	4.67 [2.73-7.97]	7.39E-10	11.36 [5.24-24.62]
AA_A_62_30018696_GL	30018696	P	0.13	0.14	1.18E-16	4.45 [3.13-6.34]	0.188	1.41 [0.85-2.36]	0.235	1.37 [0.82-2.30]	6.26E-12	5.32 [3.30-8.57]	3.40E-06	3.76 [2.15-6.57]
rs204894	32201900	T	0.21	0.20	2.01E-16	5.79 [3.81-8.79]	0.787	1.07 [0.64-1.80]	0.755	1.09 [0.65-1.82]	1.91E-08	4.51 [2.67-7.64]	1.69E-09	9.67 [4.62-20.22]
rs1265070	31223186	A	0.13	0.12	2.01E-16	4.58 [3.18-6.57]	0.310	1.29 [0.79-2.09]	0.250	1.33 [0.82-2.15]	1.43E-09	4.46 [2.75-7.24]	2.42E-08	5.16 [2.90-9.19]
rs1611715	29937461	C	0.13	0.13	2.30E-16	4.45 [3.11-6.35]	0.140	1.47 [0.88-2.44]	0.181	1.42 [0.85-2.37]	8.37E-12	5.59 [3.41-9.16]	3.13E-06	3.82 [2.17-6.70]
rs2517611	30277306	C	0.18	0.19	2.41E-16	4.06 [2.90-5.67]	0.963	0.99 [0.62-1.57]	0.825	0.95 [0.60-1.51]	8.40E-09	3.58 [2.32-5.53]	1.64E-08	4.89 [2.82-8.47]
rs2517614	30271934	T	0.18	0.19	2.41E-16	4.06 [2.90-5.67]	0.963	0.99 [0.62-1.57]	0.825	0.95 [0.60-1.51]	8.40E-09	3.58 [2.32-5.53]	1.64E-08	4.89 [2.82-8.47]
rs2523722	30273252	A	0.18	0.19	2.41E-16	4.06 [2.90-5.67]	0.963	0.99 [0.62-1.57]	0.825	0.95 [0.60-1.51]	8.40E-09	3.58 [2.32-5.53]	1.64E-08	4.89 [2.82-8.47]
rs3115627	29928257	C	0.13	0.13	2.63E-16	4.43 [3.11-6.33]	0.141	1.47 [0.88-2.44]	0.182	1.42 [0.85-2.37]	9.65E-12	5.57 [3.40-9.12]	3.13E-06	3.82 [2.17-6.70]
rs1265163	31242066	C	0.13	0.12	2.64E-16	4.56 [3.17-6.55]	0.312	1.28 [0.79-2.08]	0.252	1.33 [0.82-2.15]	1.75E-09	4.43 [2.73-7.20]	2.60E-08	5.16 [2.89-9.19]
rs1265110	31227401	A	0.13	0.12	2.76E-16	4.55 [3.17-6.55]	0.313	1.28 [0.79-2.08]	0.252	1.33 [0.82-2.15]	1.83E-09	4.43 [2.73-7.19]	2.60E-08	5.16 [2.89-9.19]
rs422343	29840409	T	0.24	0.23	2.89E-16	4.32 [3.04-6.13]	0.151	0.63 [0.34-1.18]	0.248	0.71 [0.39-1.28]	4.75E-08	3.31 [2.16-5.09]	1.71E-09	7.01 [3.72-13.21]
rs3129090	29772110	A	0.21	0.20	3.22E-16	4.41 [3.09-6.30]	0.483	0.81 [0.44-1.47]	0.664	0.88 [0.50-1.56]	7.70E-08	3.40 [2.18-5.32]	2.77E-09	6.62 [3.55-12.35]
rs2747453	29762922	C	0.21	0.20	3.26E-16	4.42 [3.09-6.31]	0.483	0.81 [0.44-1.47]	0.664	0.88 [0.50-1.56]	8.13E-08	3.38 [2.17-5.28]	2.38E-09	6.84 [3.64-12.85]
rs1269854	32178816	G	0.21	0.21	4.11E-16	5.88 [3.84-9.02]	0.918	1.03 [0.61-1.74]	0.888	1.04 [0.61-1.76]	4.88E-08	4.41 [2.59-7.51]	1.69E-09	10.55 [4.90-22.72]
rs2523386	29819726	T	0.23	0.22	5.08E-16	4.34 [3.04-6.18]	0.137	0.62 [0.34-1.16]	0.234	0.70 [0.39-1.26]	3.55E-08	3.46 [2.23-5.38]	7.57E-09	6.30 [3.37-11.75]
rs2523713	30281309	A	0.18	0.18	5.74E-16	3.96 [2.84-5.52]	0.936	0.98 [0.62-1.56]	0.781	0.94 [0.59-1.49]	1.61E-08	3.46 [2.25-5.31]	2.29E-08	4.78 [2.76-8.28]

rs1611285	29839766	C	0.22	0.21	5.97E-16	4.31 [3.03-6.15]	0.316	0.74 [0.41-1.33]	0.475	0.82 [0.47-1.43]	9.40E-08	3.24 [2.11-5.00]	2.71E-09	6.90 [3.65-13.04]
rs1117489	30278806	G	0.18	0.18	6.09E-16	3.95 [2.83-5.52]	0.935	0.98 [0.62-1.56]	0.779	0.94 [0.59-1.49]	1.70E-08	3.45 [2.24-5.31]	2.29E-08	4.78 [2.76-8.28]
rs2523716	30278504	A	0.18	0.18	6.09E-16	3.95 [2.83-5.52]	0.935	0.98 [0.62-1.56]	0.779	0.94 [0.59-1.49]	1.70E-08	3.45 [2.24-5.31]	2.29E-08	4.78 [2.76-8.28]
rs971570	30280492	G	0.18	0.18	6.09E-16	3.95 [2.83-5.52]	0.935	0.98 [0.62-1.56]	0.779	0.94 [0.59-1.49]	1.70E-08	3.45 [2.24-5.31]	2.29E-08	4.78 [2.76-8.28]
rs29269	29725726	A	0.19	0.19	7.24E-16	4.34 [3.04-6.20]	0.681	0.88 [0.49-1.58]	0.876	0.96 [0.55-1.68]	2.19E-07	3.22 [2.07-5.01]	3.39E-09	6.78 [3.60-12.79]
rs3095229	31588251	A	0.15	0.15	7.26E-16	4.73 [3.24-6.89]	0.578	1.16 [0.69-1.93]	0.537	1.18 [0.70-1.96]	3.32E-08	3.84 [2.38-6.18]	5.31E-09	7.01 [3.64-13.47]
rs29273	29718968	G	0.19	0.19	7.28E-16	4.34 [3.04-6.20]	0.681	0.88 [0.49-1.58]	0.876	0.96 [0.55-1.68]	2.17E-07	3.22 [2.07-5.02]	3.39E-09	6.78 [3.60-12.79]
rs2735076	30051469	T	0.18	0.19	9.51E-16	4.03 [2.87-5.65]	0.707	0.89 [0.50-1.61]	0.581	0.84 [0.46-1.54]	1.46E-09	4.01 [2.56-6.29]	3.50E-07	4.09 [2.38-7.03]
rs66703876	30051317	T	0.17	0.17	1.18E-15	4.03 [2.87-5.67]	0.735	0.91 [0.51-1.61]	0.622	0.86 [0.48-1.55]	7.40E-10	4.21 [2.66-6.65]	9.37E-07	3.84 [2.24-6.58]
rs730858	29818607	T	0.21	0.20	1.28E-15	4.27 [2.99-6.10]	0.307	0.74 [0.41-1.32]	0.463	0.81 [0.46-1.42]	1.75E-07	3.19 [2.06-4.93]	3.20E-09	6.86 [3.63-12.98]
rs2844833	29810185	C	0.22	0.22	1.63E-15	4.19 [2.95-5.96]	0.122	0.61 [0.33-1.14]	0.212	0.69 [0.38-1.24]	8.79E-08	3.29 [2.13-5.08]	8.41E-09	6.28 [3.36-11.74]
rs2844845	29820738	T	0.22	0.22	1.63E-15	4.19 [2.95-5.96]	0.122	0.61 [0.33-1.14]	0.212	0.69 [0.38-1.24]	8.79E-08	3.29 [2.13-5.08]	8.41E-09	6.28 [3.36-11.74]
rs2844510	31518387	A	0.15	0.15	1.88E-15	4.32 [3.01-6.20]	0.419	1.22 [0.75-1.98]	0.362	1.25 [0.77-2.02]	2.44E-08	3.56 [2.28-5.56]	1.42E-08	6.04 [3.25-11.25]
rs9258117	29779074	T	0.20	0.20	1.98E-15	4.18 [2.94-5.96]	0.360	0.76 [0.42-1.38]	0.525	0.83 [0.47-1.47]	2.67E-07	3.16 [2.04-4.89]	4.02E-09	6.40 [3.45-11.88]
rs29231	29726504	A	0.19	0.18	2.38E-15	4.21 [2.95-6.01]	0.557	0.84 [0.46-1.51]	0.751	0.91 [0.52-1.61]	4.96E-07	3.08 [1.99-4.79]	3.83E-09	6.77 [3.58-12.79]
rs1264569	30473299	G	0.15	0.14	2.57E-15	3.82 [2.74-5.32]	0.735	1.09 [0.65-1.83]	0.566	1.16 [0.70-1.91]	3.29E-10	4.18 [2.67-6.52]	6.67E-07	3.87 [2.27-6.59]
rs3094111	30896170	A	0.18	0.17	3.84E-15	3.98 [2.82-5.62]	0.602	0.87 [0.51-1.48]	0.806	0.94 [0.56-1.57]	8.59E-10	3.98 [2.56-6.18]	3.88E-07	4.63 [2.56-8.37]
AA_B_167_31431970_S	31431970	P	0.14	0.13	5.43E-15	3.93 [2.79-5.54]	0.600	1.14 [0.70-1.86]	0.504	1.18 [0.73-1.92]	3.58E-08	3.57 [2.27-5.62]	1.59E-08	5.24 [2.95-9.30]
AA_B_167_31431970_W	31431970	A	0.14	0.13	5.43E-15	3.93 [2.79-5.54]	0.600	1.14 [0.70-1.86]	0.504	1.18 [0.73-1.92]	3.58E-08	3.57 [2.27-5.62]	1.59E-08	5.24 [2.95-9.30]
SNP_B_31431970	31431970	G	0.14	0.13	5.43E-15	3.93 [2.79-5.54]	0.600	1.14 [0.70-1.86]	0.504	1.18 [0.73-1.92]	3.58E-08	3.57 [2.27-5.62]	1.59E-08	5.24 [2.95-9.30]
rs6456993	29778515	A	0.18	0.18	5.83E-15	4.15 [2.90-5.92]	0.672	0.88 [0.50-1.57]	0.877	0.96 [0.55-1.66]	5.59E-07	3.06 [1.97-4.74]	5.77E-09	6.49 [3.46-12.18]
rs9258102	29776892	C	0.18	0.18	5.84E-15	4.15 [2.90-5.93]	0.672	0.88 [0.50-1.57]	0.878	0.96 [0.55-1.66]	5.74E-07	3.06 [1.97-4.74]	5.53E-09	6.50 [3.46-12.19]

rs388629	32213490	T	0.19	0.19	6.52E-15	5.27 [3.47-8.01]	0.981	1.01 [0.60-1.69]	0.986	1.01 [0.60-1.69]	3.29E-07	3.86 [2.30-6.49]	4.77E-09	9.70 [4.53-20.75]
rs1265100	31213289	C	0.10	0.10	9.73E-15	4.05 [2.84-5.77]	0.230	1.35 [0.83-2.18]	0.178	1.39 [0.86-2.25]	2.38E-08	3.82 [2.39-6.11]	7.33E-08	4.96 [2.77-8.88]
rs204892	32205869	C	0.19	0.18	1.04E-14	5.20 [3.43-7.90]	0.985	1.01 [0.60-1.69]	0.990	1.00 [0.60-1.69]	4.06E-07	3.82 [2.28-6.42]	7.21E-09	9.35 [4.39-19.95]
rs2747454	29763092	A	0.17	0.16	1.10E-14	3.94 [2.78-5.58]	0.778	0.92 [0.52-1.64]	0.960	1.01 [0.59-1.75]	2.03E-07	3.25 [2.09-5.07]	4.18E-08	4.95 [2.79-8.76]
AA_A_70_30018720	30018720	Q	0.16	0.16	1.41E-14	3.73 [2.67-5.22]	0.524	0.83 [0.46-1.48]	0.451	0.80 [0.44-1.44]	8.50E-10	3.97 [2.56-6.17]	3.47E-06	3.53 [2.07-6.00]
SNP_A_30018721	30018721	G	0.16	0.16	1.41E-14	3.73 [2.67-5.22]	0.524	0.83 [0.46-1.48]	0.451	0.80 [0.44-1.44]	8.50E-10	3.97 [2.56-6.17]	3.47E-06	3.53 [2.07-6.00]
rs2523409	29883641	C	0.11	0.11	2.00E-14	4.07 [2.84-5.83]	0.139	1.45 [0.89-2.39]	0.179	1.41 [0.85-2.32]	3.70E-10	4.76 [2.92-7.74]	1.04E-05	3.55 [2.02-6.24]
rs6907185	31952663	G	0.15	0.14	4.89E-14	4.36 [2.97-6.39]	0.600	1.14 [0.70-1.85]	0.552	1.16 [0.71-1.88]	1.21E-07	3.84 [2.33-6.31]	3.80E-08	6.13 [3.21-11.70]
rs204996	32257861	A	0.17	0.17	5.26E-14	4.78 [3.18-7.19]	0.821	1.06 [0.64-1.76]	0.812	1.06 [0.64-1.77]	1.77E-06	3.38 [2.05-5.57]	2.80E-09	10.00 [4.68-21.38]
rs479536	32301656	T	0.13	0.13	6.62E-14	4.40 [2.99-6.49]	0.354	1.27 [0.77-2.09]	0.361	1.26 [0.77-2.08]	4.32E-07	3.43 [2.13-5.53]	3.68E-08	7.08 [3.53-14.20]
rs2517938	29817819	G	0.19	0.18	7.43E-14	3.87 [2.71-5.51]	0.168	0.66 [0.36-1.19]	0.265	0.72 [0.41-1.28]	1.06E-06	2.96 [1.92-4.59]	2.14E-08	5.87 [3.16-10.89]
rs28397284	31274915	C	0.09	0.09	8.81E-14	3.92 [2.74-5.60]	0.306	1.29 [0.79-2.08]	0.238	1.33 [0.83-2.15]	5.77E-08	3.79 [2.34-6.14]	3.87E-07	4.40 [2.48-7.80]
rs11961983	31276462	G	0.09	0.08	9.99E-14	3.88 [2.71-5.54]	0.307	1.29 [0.79-2.08]	0.238	1.33 [0.83-2.15]	6.44E-08	3.74 [2.32-6.04]	3.87E-07	4.40 [2.48-7.80]
rs3130783	30882336	G	0.15	0.14	1.17E-13	3.61 [2.57-5.07]	0.852	0.95 [0.57-1.59]	0.904	1.03 [0.63-1.70]	7.00E-08	3.28 [2.13-5.06]	1.30E-07	4.81 [2.69-8.62]
rs544167	31998137	C	0.18	0.17	1.47E-13	4.35 [2.95-6.43]	0.872	0.96 [0.58-1.58]	0.918	0.97 [0.59-1.60]	1.97E-06	3.36 [2.04-5.53]	2.61E-09	7.87 [3.99-15.51]
rs621701	32011100	T	0.17	0.17	1.68E-13	4.34 [2.94-6.41]	0.892	0.97 [0.59-1.59]	0.937	0.98 [0.60-1.61]	2.12E-06	3.34 [2.03-5.51]	2.61E-09	7.87 [3.99-15.51]
rs3129987	30874183	T	0.17	0.17	2.26E-13	3.65 [2.58-5.16]	0.437	0.82 [0.49-1.36]	0.569	0.87 [0.53-1.42]	1.70E-08	3.61 [2.31-5.63]	9.17E-07	4.45 [2.45-8.07]
rs7745906	31311987	A	0.08	0.08	2.46E-13	3.75 [2.63-5.34]	0.300	1.29 [0.80-2.06]	0.232	1.33 [0.83-2.13]	1.26E-07	3.56 [2.22-5.70]	4.47E-07	4.48 [2.50-8.01]
rs6933909	31015245	A	0.14	0.14	2.47E-13	3.96 [2.74-5.73]	0.469	1.20 [0.73-1.96]	0.379	1.24 [0.77-2.02]	5.49E-07	3.05 [1.97-4.72]	1.53E-07	6.80 [3.32-13.90]
rs2735046	29842077	T	0.10	0.10	2.64E-13	3.92 [2.72-5.66]	0.132	1.46 [0.89-2.38]	0.165	1.42 [0.87-2.33]	2.72E-09	4.52 [2.75-7.43]	2.54E-05	3.36 [1.91-5.91]
rs6908994	31306688	T	0.09	0.08	2.72E-13	3.72 [2.62-5.30]	0.310	1.28 [0.80-2.05]	0.241	1.33 [0.83-2.12]	1.33E-07	3.55 [2.22-5.69]	4.77E-07	4.40 [2.47-7.83]
rs11970154	31027857	C	0.14	0.14	3.12E-13	3.93 [2.72-5.68]	0.496	1.19 [0.73-1.93]	0.404	1.23 [0.76-1.99]	6.16E-07	3.03 [1.96-4.69]	1.70E-07	6.75 [3.30-13.81]

rs6933400	31015155	T	0.14	0.14	3.27E-13	3.93 [2.72-5.68]	0.490	1.19 [0.73-1.94]	0.398	1.23 [0.76-2.00]	7.13E-07	3.01 [1.95-4.66]	1.53E-07	6.80 [3.32-13.90]
rs2844787	30248892	G	0.15	0.15	4.56E-13	3.34 [2.41-4.62]	0.530	0.86 [0.52-1.39]	0.448	0.83 [0.50-1.36]	7.16E-09	3.59 [2.33-5.53]	4.49E-05	2.91 [1.74-4.85]
rs3130785	30904717	T	0.16	0.15	5.26E-13	3.57 [2.53-5.04]	0.556	0.86 [0.52-1.42]	0.706	0.91 [0.56-1.49]	2.10E-08	3.56 [2.29-5.56]	2.50E-06	4.08 [2.27-7.32]
rs2516697	30340493	T	0.15	0.15	5.90E-13	3.54 [2.51-5.00]	0.514	0.84 [0.49-1.42]	0.404	0.80 [0.47-1.36]	7.33E-08	3.36 [2.16-5.21]	1.92E-06	4.03 [2.27-7.14]
SNP_A_30018818	30018818	T	0.10	0.10	6.20E-13	3.81 [2.65-5.49]	0.271	1.32 [0.81-2.15]	0.305	1.30 [0.79-2.12]	2.29E-09	4.52 [2.75-7.40]	8.06E-05	3.08 [1.76-5.38]
rs1611185	29876323	C	0.09	0.10	6.32E-13	3.86 [2.67-5.57]	0.116	1.48 [0.91-2.41]	0.153	1.43 [0.88-2.34]	1.80E-09	4.68 [2.83-7.75]	2.47E-05	3.49 [1.95-6.24]
rs2535260	29736862	C	0.18	0.17	6.33E-13	3.60 [2.54-5.10]	0.206	0.68 [0.38-1.23]	0.330	0.76 [0.43-1.33]	7.43E-06	2.68 [1.74-4.12]	3.15E-08	5.48 [3.00-10.00]
rs3132569	31209405	T	0.10	0.10	6.74E-13	3.36 [2.41-4.68]	0.440	1.20 [0.76-1.88]	0.503	1.17 [0.74-1.84]	3.04E-06	2.75 [1.80-4.21]	3.77E-08	5.13 [2.86-9.18]
rs3130784	30904085	A	0.16	0.15	6.94E-13	3.55 [2.51-5.01]	0.552	0.86 [0.52-1.42]	0.702	0.91 [0.56-1.48]	2.39E-08	3.55 [2.28-5.54]	2.75E-06	4.05 [2.26-7.27]
AA_A_62_30018696_QE	30018696	A	0.09	0.09	8.51E-13	3.95 [2.71-5.75]	0.073	1.56 [0.96-2.55]	0.083	1.54 [0.94-2.52]	3.63E-08	4.08 [2.48-6.73]	8.19E-06	3.87 [2.14-7.01]
SNP_A_30018696_A	30018696	A	0.09	0.09	8.51E-13	3.95 [2.71-5.75]	0.073	1.56 [0.96-2.55]	0.083	1.54 [0.94-2.52]	3.63E-08	4.08 [2.48-6.73]	8.19E-06	3.87 [2.14-7.01]
rs2523946	30049922	A	0.08	0.08	1.09E-12	4.14 [2.80-6.12]	0.028	1.74 [1.06-2.84]	0.031	1.72 [1.05-2.81]	3.38E-09	5.27 [3.04-9.14]	7.25E-05	3.28 [1.82-5.88]
rs2844804	30050105	C	0.08	0.08	1.11E-12	4.14 [2.80-6.12]	0.028	1.74 [1.06-2.84]	0.031	1.72 [1.05-2.81]	3.41E-09	5.27 [3.04-9.15]	7.27E-05	3.28 [1.82-5.89]
AA_B_199_31431300_A	31431300	A	0.12	0.11	1.53E-12	3.47 [2.46-4.90]	0.763	1.08 [0.67-1.72]	0.684	1.10 [0.69-1.76]	1.75E-06	3.00 [1.91-4.71]	1.04E-07	4.70 [2.66-8.31]
AA_B_199_31431300_V	31431300	P	0.12	0.11	1.53E-12	3.47 [2.46-4.90]	0.763	1.08 [0.67-1.72]	0.684	1.10 [0.69-1.76]	1.75E-06	3.00 [1.91-4.71]	1.04E-07	4.70 [2.66-8.31]
HLA_B_44	31431272	P	0.12	0.11	1.53E-12	3.47 [2.46-4.90]	0.763	1.08 [0.67-1.72]	0.684	1.10 [0.69-1.76]	1.75E-06	3.00 [1.91-4.71]	1.04E-07	4.70 [2.66-8.31]
SNP_B_31431300	31431300	A	0.12	0.11	1.53E-12	3.47 [2.46-4.90]	0.763	1.08 [0.67-1.72]	0.684	1.10 [0.69-1.76]	1.75E-06	3.00 [1.91-4.71]	1.04E-07	4.70 [2.66-8.31]
SNP_B_31432799	31432799	T	0.12	0.11	1.57E-12	3.47 [2.46-4.89]	0.763	1.08 [0.67-1.72]	0.685	1.10 [0.69-1.76]	1.75E-06	3.00 [1.91-4.71]	1.10E-07	4.69 [2.65-8.30]
rs3130559	31205280	T	0.10	0.09	1.75E-12	3.31 [2.37-4.62]	0.461	1.19 [0.75-1.87]	0.517	1.16 [0.74-1.84]	1.20E-05	2.62 [1.70-4.02]	2.09E-08	5.31 [2.96-9.52]
rs3094123	30880357	T	0.16	0.15	2.23E-12	3.42 [2.42-4.81]	0.492	0.84 [0.51-1.38]	0.639	0.89 [0.55-1.45]	7.18E-08	3.37 [2.16-5.23]	2.75E-06	4.06 [2.26-7.30]
rs2524172	30541590	T	0.19	0.18	2.55E-12	3.43 [2.43-4.85]	0.071	0.61 [0.35-1.04]	0.114	0.65 [0.38-1.11]	8.51E-08	3.42 [2.18-5.36]	5.47E-06	3.72 [2.11-6.56]
SNP_B_31430374	31430374	G	0.12	0.11	2.56E-12	3.41 [2.42-4.80]	0.819	1.06 [0.66-1.68]	0.738	1.08 [0.68-1.72]	2.03E-06	2.98 [1.90-4.67]	1.66E-07	4.57 [2.59-8.06]

rs2057727	30405508	G	0.15	0.15	2.66E-12	3.39 [2.41-4.77]	0.304	0.76 [0.45-1.29]	0.228	0.72 [0.42-1.23]	2.72E-07	3.15 [2.03-4.87]	2.49E-06	3.92 [2.22-6.91]
rs206016	32289160	A	0.12	0.12	3.90E-12	3.50 [2.46-4.99]	0.529	1.16 [0.74-1.82]	0.512	1.16 [0.74-1.83]	5.57E-05	2.53 [1.61-3.97]	3.28E-08	5.92 [3.15-11.13]
AA_A_62_30018696_QR	30018696	A	0.08	0.08	5.58E-12	3.66 [2.53-5.29]	0.117	1.48 [0.91-2.42]	0.154	1.43 [0.87-2.34]	2.12E-07	3.48 [2.17-5.56]	6.94E-06	4.15 [2.23-7.71]
rs9295957	31265572	A	0.08	0.07	5.63E-12	3.46 [2.43-4.93]	0.356	1.25 [0.78-1.98]	0.278	1.29 [0.81-2.05]	5.71E-07	3.32 [2.07-5.31]	1.76E-06	4.06 [2.29-7.21]
rs28397286	31275552	A	0.08	0.07	5.74E-12	3.46 [2.43-4.93]	0.358	1.24 [0.78-1.98]	0.280	1.29 [0.81-2.05]	5.39E-07	3.33 [2.08-5.32]	1.81E-06	4.06 [2.28-7.21]
rs2516670	30542978	C	0.18	0.17	6.11E-12	3.34 [2.37-4.70]	0.090	0.63 [0.37-1.07]	0.142	0.68 [0.40-1.14]	2.21E-07	3.25 [2.08-5.08]	6.25E-06	3.70 [2.10-6.53]
rs2245961	30051983	C	0.11	0.12	6.76E-12	3.42 [2.41-4.87]	0.961	1.01 [0.61-1.69]	0.941	0.98 [0.58-1.65]	1.59E-07	3.51 [2.20-5.61]	1.96E-05	3.30 [1.91-5.70]
rs206015	32290737	T	0.12	0.12	6.90E-12	3.45 [2.42-4.91]	0.539	1.15 [0.73-1.81]	0.521	1.16 [0.74-1.83]	5.75E-05	2.52 [1.61-3.96]	6.36E-08	5.68 [3.03-10.67]
rs2517689	30037232	A	0.08	0.08	7.87E-12	3.83 [2.60-5.62]	0.041	1.66 [1.02-2.72]	0.051	1.63 [1.00-2.67]	1.25E-08	4.56 [2.70-7.68]	6.39E-05	3.43 [1.88-6.28]
rs3132681	30168020	A	0.08	0.07	8.77E-12	3.38 [2.38-4.79]	0.137	1.39 [0.90-2.15]	0.093	1.45 [0.94-2.24]	1.31E-05	2.64 [1.71-4.08]	2.42E-07	5.36 [2.83-10.13]
rs28366191	32472168	G	0.12	0.12	9.01E-12	3.91 [2.64-5.78]	0.497	1.18 [0.73-1.92]	0.503	1.18 [0.73-1.92]	4.92E-06	3.09 [1.90-5.01]	4.65E-07	5.88 [2.95-11.70]
rs6899309	33023801	C	0.08	0.08	1.03E-11	4.13 [2.74-6.21]	0.131	1.46 [0.89-2.37]	0.142	1.44 [0.88-2.36]	2.12E-05	2.98 [1.80-4.93]	5.38E-09	9.54 [4.47-20.34]
rs2429295	31077477	G	0.13	0.13	1.03E-11	3.36 [2.37-4.76]	0.684	1.11 [0.68-1.79]	0.643	1.12 [0.69-1.82]	4.60E-06	2.70 [1.77-4.13]	4.15E-07	4.96 [2.67-9.21]
rs1264510	30521990	A	0.18	0.17	1.14E-11	3.27 [2.33-4.61]	0.089	0.63 [0.37-1.07]	0.141	0.68 [0.40-1.14]	4.19E-07	3.16 [2.02-4.93]	5.71E-06	3.71 [2.11-6.55]
AA_A_9_30018537_F	30018537	A	0.10	0.11	1.16E-11	3.50 [2.44-5.03]	0.558	1.16 [0.70-1.92]	0.685	1.11 [0.67-1.85]	4.50E-05	0.38 [0.24-0.60]	2.59E-07	0.22 [0.13-0.40]
SNP_A_30018537_T	30018537	A	0.10	0.11	1.16E-11	3.50 [2.44-5.03]	0.558	1.16 [0.70-1.92]	0.685	1.11 [0.67-1.85]	4.50E-05	0.38 [0.24-0.60]	2.59E-07	0.22 [0.13-0.40]
AA_A_77_30018741_N	30018741	P	0.12	0.12	1.20E-11	3.33 [2.35-4.72]	0.828	0.95 [0.57-1.57]	0.690	0.90 [0.54-1.50]	3.13E-06	2.91 [1.86-4.55]	1.57E-06	4.05 [2.29-7.17]
rs2074483	30184734	T	0.10	0.09	1.30E-11	3.40 [2.38-4.84]	0.410	1.22 [0.76-1.95]	0.300	1.28 [0.80-2.04]	1.47E-08	4.02 [2.48-6.50]	2.44E-04	2.81 [1.62-4.88]
rs2532919	31041954	G	0.13	0.13	1.65E-11	3.25 [2.31-4.58]	0.826	1.05 [0.66-1.68]	0.770	1.07 [0.67-1.71]	2.12E-05	2.49 [1.63-3.79]	9.90E-08	5.55 [2.96-10.44]
rs2516676	30538461	C	0.17	0.16	1.84E-11	3.22 [2.29-4.53]	0.122	0.66 [0.39-1.12]	0.187	0.71 [0.42-1.18]	3.79E-07	3.16 [2.03-4.93]	1.40E-05	3.47 [1.98-6.09]
rs3094575	29623781	T	0.12	0.12	1.89E-11	3.08 [2.22-4.27]	0.942	1.02 [0.63-1.64]	0.999	1.00 [0.62-1.61]	2.28E-08	3.50 [2.26-5.43]	4.72E-04	2.50 [1.50-4.18]
rs11964188	33043186	G	0.09	0.08	1.97E-11	4.20 [2.76-6.39]	0.250	1.35 [0.81-2.24]	0.255	1.35 [0.81-2.24]	5.55E-06	3.30 [1.97-5.53]	4.91E-08	8.55 [3.96-18.49]

rs16871297	33058195	G	0.09	0.09	2.53E-11	4.89 [3.07-7.80]	0.314	1.34 [0.76-2.36]	0.255	1.39 [0.79-2.44]	1.42E-07	4.41 [2.54-7.65]	1.20E-05	7.57 [3.06-18.74]
rs362529	29638847	A	0.14	0.13	2.61E-11	3.25 [2.30-4.59]	0.491	0.85 [0.53-1.36]	0.696	0.91 [0.57-1.45]	2.78E-09	3.94 [2.51-6.20]	3.81E-03	2.33 [1.31-4.14]
rs2253044	31569904	A	0.12	0.11	2.79E-11	3.42 [2.38-4.91]	0.761	0.93 [0.57-1.51]	0.830	0.95 [0.58-1.54]	8.56E-06	2.90 [1.81-4.63]	7.31E-07	4.66 [2.54-8.58]
rs2517416	31063908	T	0.13	0.13	2.86E-11	3.27 [2.31-4.64]	0.846	1.05 [0.64-1.71]	0.802	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	3.72E-07	4.98 [2.68-9.24]
rs2255625	31048684	G	0.13	0.13	2.89E-11	3.29 [2.32-4.67]	0.881	1.04 [0.64-1.69]	0.835	1.05 [0.65-1.71]	1.26E-05	2.58 [1.69-3.94]	3.16E-07	5.29 [2.80-10.02]
rs2255719	31049264	A	0.13	0.13	2.89E-11	3.29 [2.32-4.67]	0.881	1.04 [0.64-1.69]	0.835	1.05 [0.65-1.71]	1.26E-05	2.58 [1.69-3.94]	3.16E-07	5.29 [2.80-10.02]
rs2517421	31059188	C	0.13	0.13	2.89E-11	3.29 [2.32-4.67]	0.881	1.04 [0.64-1.69]	0.835	1.05 [0.65-1.71]	1.26E-05	2.58 [1.69-3.94]	3.16E-07	5.29 [2.80-10.02]
rs2517424	31057975	T	0.13	0.13	2.89E-11	3.29 [2.32-4.67]	0.881	1.04 [0.64-1.69]	0.835	1.05 [0.65-1.71]	1.26E-05	2.58 [1.69-3.94]	3.16E-07	5.29 [2.80-10.02]
rs2530708	31049670	G	0.13	0.13	2.89E-11	3.29 [2.32-4.67]	0.881	1.04 [0.64-1.69]	0.835	1.05 [0.65-1.71]	1.26E-05	2.58 [1.69-3.94]	3.16E-07	5.29 [2.80-10.02]
rs2844679	31055344	T	0.13	0.13	2.89E-11	3.29 [2.32-4.67]	0.881	1.04 [0.64-1.69]	0.835	1.05 [0.65-1.71]	1.26E-05	2.58 [1.69-3.94]	3.16E-07	5.29 [2.80-10.02]
rs2844682	31054127	T	0.13	0.13	2.89E-11	3.29 [2.32-4.67]	0.881	1.04 [0.64-1.69]	0.835	1.05 [0.65-1.71]	1.26E-05	2.58 [1.69-3.94]	3.16E-07	5.29 [2.80-10.02]
rs2517408	31074432	G	0.14	0.14	3.01E-11	3.27 [2.31-4.63]	0.936	0.98 [0.60-1.61]	0.992	1.00 [0.61-1.64]	1.14E-05	2.59 [1.69-3.95]	3.59E-07	5.16 [2.74-9.71]
rs2530699	31061219	A	0.13	0.13	3.06E-11	3.28 [2.31-4.66]	0.896	1.03 [0.64-1.68]	0.849	1.05 [0.65-1.70]	1.31E-05	2.57 [1.68-3.93]	3.16E-07	5.29 [2.80-10.02]
rs2249168	31066233	T	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2252926	31074283	G	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2253417	31078438	A	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2517409	31072372	G	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2517411	31068246	G	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2517415	31064758	A	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2523915	31081337	A	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2523921	31083069	C	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2523924	31083203	A	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]

rs2530695	31066473	C	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2530716	31086175	G	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2844666	31084760	T	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs2844673	31069905	A	0.13	0.13	3.16E-11	3.27 [2.30-4.63]	0.849	1.05 [0.64-1.71]	0.805	1.06 [0.65-1.73]	1.17E-05	2.59 [1.69-3.97]	4.15E-07	4.96 [2.67-9.21]
rs241417	32935894	G	0.10	0.09	3.20E-11	5.19 [3.19-8.44]	0.477	1.24 [0.68-2.27]	0.399	1.30 [0.71-2.36]	6.10E-07	4.35 [2.44-7.76]	6.49E-07	10.95 [4.27-28.10]
rs2571400	30035701	C	0.08	0.08	3.26E-11	0.27 [0.18-0.40]	0.141	0.69 [0.42-1.13]	0.188	0.72 [0.44-1.18]	4.02E-07	3.59 [2.19-5.89]	3.00E-05	3.96 [2.07-7.55]
AA_A_184_30019881_P	30019881	A	0.08	0.08	3.27E-11	3.53 [2.43-5.12]	0.142	1.44 [0.89-2.34]	0.156	1.42 [0.87-2.32]	1.35E-07	3.83 [2.32-6.31]	6.20E-05	3.33 [1.85-5.99]
rs9262546	31101107	A	0.14	0.13	3.29E-11	3.24 [2.29-4.58]	0.960	0.99 [0.60-1.62]	0.970	1.01 [0.62-1.65]	1.28E-05	2.57 [1.68-3.92]	3.14E-07	5.08 [2.73-9.47]
SNP_B_31432478	31432478	G	0.10	0.10	3.33E-11	3.17 [2.26-4.46]	0.781	1.07 [0.67-1.70]	0.698	1.10 [0.69-1.74]	2.90E-06	2.86 [1.84-4.44]	1.17E-06	4.14 [2.34-7.35]
rs2517439	31050908	T	0.13	0.13	3.40E-11	3.27 [2.31-4.65]	0.882	1.04 [0.64-1.69]	0.837	1.05 [0.65-1.71]	1.38E-05	2.57 [1.68-3.92]	3.16E-07	5.29 [2.80-10.02]
AA_A_184_30019881_A	30019881	P	0.08	0.08	3.40E-11	3.53 [2.43-5.12]	0.156	1.42 [0.87-2.31]	0.170	1.41 [0.86-2.29]	1.35E-07	3.83 [2.32-6.31]	6.37E-05	3.32 [1.84-5.98]
SNP_A_30019880	30019880	G	0.08	0.08	3.40E-11	3.53 [2.43-5.12]	0.156	1.42 [0.87-2.31]	0.170	1.41 [0.86-2.29]	1.35E-07	3.83 [2.32-6.31]	6.37E-05	3.32 [1.84-5.98]
rs2516498	31573878	G	0.11	0.11	3.41E-11	3.39 [2.36-4.86]	0.759	0.93 [0.57-1.51]	0.828	0.95 [0.58-1.54]	9.95E-06	2.87 [1.80-4.58]	7.54E-07	4.62 [2.52-8.47]
rs2256028	31487177	T	0.11	0.10	3.66E-11	3.10 [2.22-4.33]	0.533	1.15 [0.74-1.78]	0.466	1.17 [0.76-1.81]	4.61E-05	2.39 [1.57-3.62]	3.77E-08	4.95 [2.80-8.75]
rs2534657	31580438	A	0.11	0.11	3.85E-11	3.36 [2.35-4.81]	0.757	0.93 [0.57-1.51]	0.827	0.95 [0.58-1.54]	9.95E-06	2.87 [1.80-4.58]	9.39E-07	4.45 [2.45-8.09]
rs28366174	32374468	C	0.11	0.11	4.02E-11	3.69 [2.50-5.43]	0.428	1.22 [0.75-1.97]	0.434	1.21 [0.75-1.97]	6.81E-06	3.00 [1.86-4.85]	1.63E-06	5.42 [2.72-10.82]
rs2066752	33056274	C	0.08	0.07	4.03E-11	3.99 [2.65-6.02]	0.184	1.40 [0.85-2.31]	0.184	1.40 [0.85-2.31]	2.97E-05	2.92 [1.77-4.84]	1.14E-08	9.22 [4.30-19.77]
rs3873345	31094243	G	0.14	0.13	4.21E-11	3.22 [2.28-4.56]	0.954	0.99 [0.60-1.61]	0.975	1.01 [0.62-1.64]	1.43E-05	2.56 [1.67-3.91]	3.66E-07	5.06 [2.71-9.44]
rs3906268	31094058	C	0.14	0.13	4.21E-11	3.22 [2.28-4.56]	0.954	0.99 [0.60-1.61]	0.975	1.01 [0.62-1.64]	1.43E-05	2.56 [1.67-3.91]	3.66E-07	5.06 [2.71-9.44]
rs7755364	31089694	T	0.14	0.13	4.21E-11	3.22 [2.28-4.56]	0.954	0.99 [0.60-1.61]	0.975	1.01 [0.62-1.64]	1.43E-05	2.56 [1.67-3.91]	3.66E-07	5.06 [2.71-9.44]
rs9262495	31094506	C	0.14	0.13	4.21E-11	3.22 [2.28-4.56]	0.954	0.99 [0.60-1.61]	0.975	1.01 [0.62-1.64]	1.43E-05	2.56 [1.67-3.91]	3.66E-07	5.06 [2.71-9.44]
rs9262544	31100525	A	0.14	0.13	4.21E-11	3.22 [2.28-4.56]	0.954	0.99 [0.60-1.61]	0.975	1.01 [0.62-1.64]	1.43E-05	2.56 [1.67-3.91]	3.66E-07	5.06 [2.71-9.44]

rs9262545	31101041	A	0.14	0.13	4.28E-11	3.22 [2.27-4.56]	0.952	0.99 [0.60-1.61]	0.977	1.01 [0.62-1.64]	1.41E-05	2.56 [1.67-3.91]	3.87E-07	5.04 [2.70-9.42]
rs9262547	31101206	A	0.14	0.13	4.41E-11	3.22 [2.27-4.55]	0.952	0.98 [0.60-1.61]	0.977	1.01 [0.62-1.64]	1.37E-05	2.56 [1.68-3.91]	5.02E-07	4.98 [2.66-9.31]
AA_B_45_31432581_K	31432581	P	0.07	0.07	4.43E-11	3.03 [2.18-4.21]	0.090	1.45 [0.94-2.22]	0.062	1.50 [0.98-2.29]	8.49E-05	2.34 [1.53-3.58]	1.90E-08	5.25 [2.95-9.36]
AA_B_45_31432581_KG	31432581	P	0.07	0.07	4.43E-11	3.03 [2.18-4.21]	0.090	1.45 [0.94-2.22]	0.062	1.50 [0.98-2.29]	8.49E-05	2.34 [1.53-3.58]	1.90E-08	5.25 [2.95-9.36]
rs241418	32935334	T	0.10	0.09	4.97E-11	5.10 [3.14-8.29]	0.505	1.23 [0.67-2.24]	0.423	1.28 [0.70-2.33]	8.76E-07	4.26 [2.39-7.59]	6.49E-07	10.95 [4.27-28.10]
rs241419	32931926	T	0.10	0.09	4.97E-11	5.10 [3.14-8.29]	0.505	1.23 [0.67-2.24]	0.423	1.28 [0.70-2.33]	8.76E-07	4.26 [2.39-7.59]	6.49E-07	10.95 [4.27-28.10]
rs241420	32931371	A	0.10	0.09	4.97E-11	5.10 [3.14-8.29]	0.505	1.23 [0.67-2.24]	0.423	1.28 [0.70-2.33]	8.76E-07	4.26 [2.39-7.59]	6.49E-07	10.95 [4.27-28.10]
rs2856992	32908199	T	0.09	0.09	5.17E-11	5.21 [3.18-8.52]	0.469	1.25 [0.68-2.28]	0.405	1.29 [0.71-2.35]	9.03E-07	4.36 [2.42-7.84]	9.57E-07	10.44 [4.09-26.68]
rs915660	31251814	C	0.07	0.07	6.06E-11	3.23 [2.28-4.60]	0.492	1.18 [0.74-1.86]	0.397	1.22 [0.77-1.92]	3.70E-06	3.02 [1.89-4.83]	4.99E-06	3.70 [2.11-6.50]
rs56401275	30184338	G	0.08	0.08	7.57E-11	3.56 [2.43-5.21]	0.175	1.40 [0.86-2.27]	0.114	1.48 [0.91-2.40]	7.80E-07	0.27 [0.16-0.46]	5.83E-05	0.30 [0.17-0.54]
rs1052989	31254382	A	0.07	0.07	7.63E-11	3.20 [2.26-4.55]	0.496	1.17 [0.74-1.86]	0.400	1.22 [0.77-1.92]	4.40E-06	2.99 [1.87-4.77]	5.11E-06	3.70 [2.11-6.49]
rs454212	32042351	A	0.08	0.09	8.71E-11	3.20 [2.25-4.55]	0.319	1.25 [0.80-1.96]	0.327	1.25 [0.80-1.95]	4.54E-06	2.84 [1.82-4.43]	2.89E-06	4.02 [2.25-7.21]
rs444921	32040156	A	0.08	0.09	8.94E-11	3.20 [2.25-4.55]	0.320	1.25 [0.80-1.96]	0.328	1.25 [0.80-1.95]	4.43E-06	2.84 [1.82-4.43]	3.13E-06	4.01 [2.24-7.19]
rs449643	32044658	A	0.08	0.09	9.45E-11	3.20 [2.25-4.54]	0.321	1.25 [0.80-1.96]	0.329	1.25 [0.80-1.95]	4.54E-06	2.84 [1.82-4.43]	3.13E-06	4.01 [2.24-7.19]
rs1233417	29619829	G	0.11	0.11	9.62E-11	2.95 [2.13-4.09]	0.927	1.02 [0.65-1.62]	0.977	1.01 [0.64-1.60]	9.84E-08	3.25 [2.11-5.01]	5.32E-04	2.48 [1.48-4.14]
rs406936	32041140	T	0.08	0.08	9.90E-11	3.19 [2.25-4.54]	0.321	1.25 [0.80-1.96]	0.329	1.25 [0.80-1.95]	4.65E-06	2.83 [1.81-4.43]	3.13E-06	4.01 [2.24-7.19]
AA_B_116_31432123_D	31432123	P	0.09	0.09	1.00E-10	3.02 [2.16-4.22]	0.748	1.08 [0.68-1.70]	0.665	1.11 [0.70-1.74]	3.80E-06	2.85 [1.83-4.45]	4.50E-06	3.57 [2.07-6.14]
AA_B_116_31432123_Dx	31432123	P	0.09	0.09	1.00E-10	3.02 [2.16-4.22]	0.748	1.08 [0.68-1.70]	0.665	1.11 [0.70-1.74]	3.80E-06	2.85 [1.83-4.45]	4.50E-06	3.57 [2.07-6.14]
SNP_B_31432124	31432124	C	0.09	0.09	1.00E-10	3.02 [2.16-4.22]	0.748	1.08 [0.68-1.70]	0.665	1.11 [0.70-1.74]	3.80E-06	2.85 [1.83-4.45]	4.50E-06	3.57 [2.07-6.14]
rs1264704	30173298	T	0.11	0.10	1.05E-10	3.00 [2.15-4.18]	0.879	0.96 [0.60-1.56]	0.948	1.02 [0.63-1.63]	0.0004454	2.13 [1.40-3.24]	7.32E-08	4.71 [2.68-8.29]
rs3095345	30930392	G	0.12	0.12	1.18E-10	3.14 [2.22-4.45]	0.681	0.90 [0.56-1.47]	0.811	0.94 [0.58-1.52]	8.65E-08	3.39 [2.17-5.31]	2.06E-04	3.05 [1.69-5.50]
rs387608	32049536	T	0.08	0.08	1.22E-10	3.16 [2.23-4.49]	0.317	1.26 [0.80-1.96]	0.326	1.25 [0.80-1.95]	5.18E-06	2.81 [1.80-4.37]	3.28E-06	4.00 [2.23-7.18]

AA_DQB1_135_32737883_G	32737883	P	0.08	0.08	1.22E-10	3.43 [2.36-4.99]	0.173	1.39 [0.87-2.22]	0.192	1.37 [0.85-2.19]	4.20E-06	2.99 [1.87-4.76]	5.80E-06	4.54 [2.36-8.72]
HLA_DQB1_0202	32739039	P	0.08	0.08	1.22E-10	3.43 [2.36-4.99]	0.173	1.39 [0.87-2.22]	0.192	1.37 [0.85-2.19]	4.20E-06	2.99 [1.87-4.76]	5.80E-06	4.54 [2.36-8.72]
SNP_DQB1_32737883	32737883	C	0.08	0.08	1.22E-10	3.43 [2.36-4.99]	0.173	1.39 [0.87-2.22]	0.192	1.37 [0.85-2.19]	4.20E-06	2.99 [1.87-4.76]	5.80E-06	4.54 [2.36-8.72]
rs2027856	32510683	T	0.08	0.08	1.40E-10	3.19 [2.24-4.54]	0.172	1.36 [0.88-2.11]	0.167	1.36 [0.88-2.11]	6.14E-06	2.80 [1.79-4.37]	8.74E-06	3.93 [2.15-7.17]
rs9501626	32508322	A	0.08	0.08	1.40E-10	3.19 [2.24-4.54]	0.172	1.36 [0.88-2.11]	0.167	1.36 [0.88-2.11]	6.14E-06	2.80 [1.79-4.37]	8.74E-06	3.93 [2.15-7.17]
AA_DQB1_135_32737883_D	32737883	A	0.08	0.08	1.43E-10	3.40 [2.34-4.94]	0.190	1.37 [0.86-2.18]	0.210	1.35 [0.85-2.15]	4.41E-06	2.98 [1.87-4.75]	5.88E-06	4.46 [2.34-8.52]
rs389512	32055573	G	0.08	0.08	1.56E-10	3.13 [2.21-4.44]	0.324	1.25 [0.80-1.95]	0.332	1.25 [0.80-1.94]	6.29E-06	2.77 [1.78-4.30]	3.28E-06	4.00 [2.23-7.18]
rs3095286	29761943	A	0.12	0.12	1.69E-10	3.09 [2.19-4.37]	0.652	0.89 [0.52-1.50]	0.878	0.96 [0.58-1.60]	1.85E-05	2.66 [1.70-4.15]	6.30E-06	3.53 [2.04-6.11]
rs1265085	31218650	G	0.07	0.07	1.71E-10	2.93 [2.10-4.07]	0.232	1.30 [0.84-2.01]	0.293	1.27 [0.82-1.96]	6.16E-06	2.71 [1.76-4.17]	3.81E-06	3.53 [2.07-6.04]
rs130067	31226490	C	0.07	0.07	1.71E-10	2.93 [2.10-4.07]	0.232	1.30 [0.84-2.01]	0.293	1.27 [0.82-1.96]	6.16E-06	2.71 [1.76-4.17]	3.81E-06	3.53 [2.07-6.04]
rs1966	31215712	A	0.07	0.07	1.71E-10	2.93 [2.10-4.07]	0.232	1.30 [0.84-2.01]	0.293	1.27 [0.82-1.96]	6.16E-06	2.71 [1.76-4.17]	3.81E-06	3.53 [2.07-6.04]
rs2248462	31554775	A	0.08	0.08	1.72E-10	3.04 [2.16-4.27]	0.737	1.08 [0.70-1.67]	0.645	1.11 [0.72-1.72]	6.63E-05	2.48 [1.59-3.88]	2.74E-07	4.21 [2.44-7.29]
rs2516511	31556604	A	0.08	0.08	1.72E-10	3.04 [2.16-4.27]	0.737	1.08 [0.70-1.67]	0.645	1.11 [0.72-1.72]	6.63E-05	2.48 [1.59-3.88]	2.74E-07	4.21 [2.44-7.29]
rs2516514	31555114	G	0.08	0.08	1.72E-10	3.04 [2.16-4.27]	0.737	1.08 [0.70-1.67]	0.645	1.11 [0.72-1.72]	6.63E-05	2.48 [1.59-3.88]	2.74E-07	4.21 [2.44-7.29]
rs2523705	31559659	A	0.08	0.08	1.72E-10	3.04 [2.16-4.27]	0.737	1.08 [0.70-1.67]	0.645	1.11 [0.72-1.72]	6.63E-05	2.48 [1.59-3.88]	2.74E-07	4.21 [2.44-7.29]
rs2535236	29759664	A	0.12	0.12	1.78E-10	3.09 [2.18-4.37]	0.650	0.88 [0.52-1.50]	0.875	0.96 [0.58-1.60]	1.92E-05	2.65 [1.70-4.14]	6.19E-06	3.55 [2.05-6.15]
rs438475	32294223	A	0.08	0.08	1.82E-10	2.96 [2.12-4.14]	0.319	1.24 [0.81-1.90]	0.317	1.24 [0.81-1.90]	0.0002365	2.26 [1.46-3.50]	4.48E-07	4.18 [2.40-7.27]
rs2516509	31557973	G	0.08	0.08	1.83E-10	3.04 [2.16-4.27]	0.738	1.08 [0.70-1.67]	0.645	1.11 [0.72-1.71]	6.84E-05	2.48 [1.59-3.88]	2.74E-07	4.21 [2.44-7.29]
rs2747442	29761165	G	0.12	0.12	1.86E-10	3.08 [2.18-4.34]	0.650	0.88 [0.52-1.50]	0.875	0.96 [0.58-1.60]	1.83E-05	2.66 [1.70-4.15]	6.99E-06	3.50 [2.03-6.05]
AA_B_113_31432132_H	31432132	A	0.08	0.08	1.92E-10	2.94 [2.11-4.09]	0.454	1.19 [0.76-1.86]	0.344	1.24 [0.80-1.92]	3.02E-06	2.79 [1.81-4.29]	3.58E-05	3.17 [1.83-5.47]
AA_B_113_31432132_Y	31432132	P	0.08	0.08	1.92E-10	2.94 [2.11-4.09]	0.454	1.19 [0.76-1.86]	0.344	1.24 [0.80-1.92]	3.02E-06	2.79 [1.81-4.29]	3.58E-05	3.17 [1.83-5.47]
SNP_B_31432133	31432133	A	0.08	0.08	1.92E-10	2.94 [2.11-4.09]	0.454	1.19 [0.76-1.86]	0.344	1.24 [0.80-1.92]	3.02E-06	2.79 [1.81-4.29]	3.58E-05	3.17 [1.83-5.47]

AA_B_41_31432593	31432593	T	0.06	0.06	1.93E-10	2.93 [2.10-4.08]	0.093	1.44 [0.94-2.22]	0.064	1.49 [0.98-2.28]	7.20E-05	2.36 [1.55-3.62]	8.75E-08	4.77 [2.69-8.45]
SNP_B_31432594	31432594	T	0.06	0.06	1.93E-10	2.93 [2.10-4.08]	0.093	1.44 [0.94-2.22]	0.064	1.49 [0.98-2.28]	7.20E-05	2.36 [1.55-3.62]	8.75E-08	4.77 [2.69-8.45]
SNP_A_30021046	30021046	T	0.07	0.07	1.94E-10	0.28 [0.19-0.42]	0.153	0.70 [0.43-1.14]	0.157	0.70 [0.43-1.15]	3.55E-07	0.25 [0.15-0.43]	2.08E-04	0.33 [0.18-0.59]
SNP_A_30021176	30021176	T	0.07	0.07	1.94E-10	0.28 [0.19-0.42]	0.153	0.70 [0.43-1.14]	0.157	0.70 [0.43-1.15]	3.55E-07	0.25 [0.15-0.43]	2.08E-04	0.33 [0.18-0.59]
SNP_A_30020377	30020377	A	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020430	30020430	C	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020436	30020436	C	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020442	30020442	A	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020452	30020452	T	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020456	30020456	A	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020481	30020481	C	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020636	30020636	C	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020648	30020648	A	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020733	30020733	G	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020745	30020745	A	0.07	0.07	2.01E-10	0.28 [0.19-0.42]	0.167	0.71 [0.43-1.16]	0.171	0.71 [0.43-1.16]	3.55E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
AA_A_294_30020313_L	30020313	P	0.07	0.07	2.12E-10	0.28 [0.19-0.42]	0.154	0.70 [0.43-1.14]	0.158	0.70 [0.43-1.15]	3.78E-07	0.25 [0.15-0.43]	2.08E-04	0.33 [0.18-0.59]
SNP_A_30020183	30020183	C	0.07	0.07	2.20E-10	0.28 [0.19-0.42]	0.168	0.71 [0.44-1.16]	0.171	0.71 [0.44-1.16]	3.78E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020312	30020312	C	0.07	0.07	2.20E-10	0.28 [0.19-0.42]	0.168	0.71 [0.44-1.16]	0.171	0.71 [0.44-1.16]	3.78E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
rs3129054	29757035	A	0.12	0.12	2.20E-10	3.08 [2.18-4.36]	0.641	0.88 [0.52-1.50]	0.866	0.96 [0.57-1.60]	2.07E-05	2.64 [1.69-4.13]	6.79E-06	3.54 [2.04-6.14]
AA_A_253_30020088_EK	30020088	P	0.07	0.07	2.22E-10	0.28 [0.19-0.42]	0.154	0.70 [0.43-1.14]	0.158	0.70 [0.43-1.15]	4.03E-07	0.25 [0.15-0.43]	2.08E-04	0.33 [0.18-0.59]
AA_A_253_30020088_Q	30020088	A	0.07	0.07	2.30E-10	0.28 [0.19-0.42]	0.168	0.71 [0.44-1.16]	0.172	0.71 [0.44-1.16]	4.03E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30020087_C	30020087	A	0.07	0.07	2.30E-10	0.28 [0.19-0.42]	0.168	0.71 [0.44-1.16]	0.172	0.71 [0.44-1.16]	4.03E-07	0.25 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]

SNP_A_30019909	30019909	C	0.07	0.07	2.54E-10	0.29 [0.19-0.42]	0.169	0.71 [0.44-1.16]	0.177	0.71 [0.44-1.17]	4.48E-07	0.26 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30019910	30019910	A	0.07	0.07	2.54E-10	0.29 [0.19-0.42]	0.169	0.71 [0.44-1.16]	0.177	0.71 [0.44-1.17]	4.48E-07	0.26 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
SNP_A_30019949	30019949	G	0.07	0.07	2.54E-10	0.29 [0.19-0.42]	0.169	0.71 [0.44-1.16]	0.177	0.71 [0.44-1.17]	4.48E-07	0.26 [0.15-0.43]	2.13E-04	0.33 [0.18-0.59]
rs3130648	30908305	C	0.11	0.10	2.77E-10	3.03 [2.15-4.28]	0.927	1.02 [0.63-1.65]	0.778	1.07 [0.67-1.72]	4.15E-08	3.47 [2.22-5.41]	1.14E-03	2.64 [1.47-4.72]
AA_A_294_30020313_F	30020313	A	0.07	0.07	3.07E-10	0.29 [0.20-0.43]	0.195	0.72 [0.45-1.18]	0.200	0.73 [0.45-1.18]	4.53E-07	0.26 [0.15-0.44]	2.13E-04	0.33 [0.18-0.59]
rs2256539	30045719	C	0.11	0.11	3.37E-10	3.06 [2.16-4.33]	0.508	0.84 [0.51-1.40]	0.454	0.82 [0.49-1.37]	8.80E-06	2.82 [1.79-4.45]	2.25E-05	3.26 [1.89-5.63]
rs9357097	30393100	T	0.11	0.11	3.38E-10	2.94 [2.10-4.11]	0.818	0.95 [0.59-1.52]	0.686	0.91 [0.56-1.47]	0.0001123	2.29 [1.51-3.50]	6.85E-07	4.14 [2.36-7.26]
rs3094584	31491827	T	0.09	0.09	3.50E-10	2.96 [2.11-4.16]	0.515	1.16 [0.75-1.78]	0.469	1.17 [0.76-1.80]	0.0001722	2.25 [1.47-3.44]	8.83E-08	4.79 [2.70-8.50]
rs2844782	30258022	A	0.10	0.10	3.64E-10	2.87 [2.06-3.99]	0.783	0.94 [0.59-1.48]	0.698	0.91 [0.57-1.45]	8.01E-08	3.28 [2.13-5.07]	5.67E-04	2.55 [1.50-4.34]
rs2107202	30213722	A	0.12	0.12	3.70E-10	2.83 [2.04-3.91]	0.627	0.89 [0.56-1.42]	0.544	0.87 [0.54-1.38]	1.04E-07	3.13 [2.06-4.78]	1.20E-03	2.39 [1.41-4.06]
AA_A_114_30019093_R	30019093	P	0.10	0.10	3.80E-10	3.02 [2.14-4.27]	0.504	0.84 [0.51-1.39]	0.445	0.82 [0.50-1.36]	1.34E-07	3.30 [2.12-5.15]	5.83E-04	2.67 [1.53-4.67]
SNP_A_30019093	30019093	G	0.10	0.10	3.80E-10	3.02 [2.14-4.27]	0.504	0.84 [0.51-1.39]	0.445	0.82 [0.50-1.36]	1.34E-07	3.30 [2.12-5.15]	5.83E-04	2.67 [1.53-4.67]
rs2844779	30313386	A	0.10	0.10	3.82E-10	2.90 [2.08-4.04]	0.736	0.92 [0.58-1.47]	0.682	0.91 [0.57-1.45]	2.94E-07	3.13 [2.02-4.84]	3.03E-04	2.70 [1.58-4.64]
AA_A_76_30018738_V	30018738	A	0.10	0.10	3.89E-10	3.08 [2.17-4.38]	0.877	0.96 [0.59-1.57]	0.753	0.92 [0.56-1.51]	1.64E-05	2.73 [1.73-4.31]	1.10E-05	3.60 [2.04-6.38]
AA_A_77_30018741_D	30018741	A	0.10	0.10	3.89E-10	3.08 [2.17-4.38]	0.877	0.96 [0.59-1.57]	0.753	0.92 [0.56-1.51]	1.64E-05	2.73 [1.73-4.31]	1.10E-05	3.60 [2.04-6.38]
SNP_A_30018738_T	30018738	A	0.10	0.10	3.89E-10	3.08 [2.17-4.38]	0.877	0.96 [0.59-1.57]	0.753	0.92 [0.56-1.51]	1.64E-05	2.73 [1.73-4.31]	1.10E-05	3.60 [2.04-6.38]
SNP_A_30018740	30018740	A	0.10	0.10	3.98E-10	3.08 [2.17-4.38]	0.837	0.95 [0.58-1.56]	0.715	0.91 [0.55-1.50]	1.64E-05	2.73 [1.73-4.31]	1.12E-05	3.60 [2.03-6.38]
AA_B_32_31432620	31432620	L	0.06	0.06	4.14E-10	2.82 [2.04-3.90]	0.095	1.43 [0.94-2.17]	0.065	1.48 [0.98-2.23]	9.34E-05	2.31 [1.52-3.51]	2.55E-07	4.26 [2.46-7.40]
SNP_B_31432620	31432620	A	0.06	0.06	4.14E-10	2.82 [2.04-3.90]	0.095	1.43 [0.94-2.17]	0.065	1.48 [0.98-2.23]	9.34E-05	2.31 [1.52-3.51]	2.55E-07	4.26 [2.46-7.40]
rs2239705	31621381	T	0.09	0.09	5.29E-10	2.94 [2.09-4.13]	0.880	1.04 [0.66-1.62]	0.821	1.05 [0.67-1.65]	0.0003085	2.24 [1.45-3.47]	2.60E-07	4.23 [2.44-7.32]
rs2508016	31077506	C	0.11	0.11	5.58E-10	3.00 [2.12-4.24]	0.912	1.03 [0.64-1.66]	0.855	1.05 [0.65-1.69]	9.54E-05	2.35 [1.53-3.61]	5.76E-07	4.74 [2.58-8.73]
rs9275766	32797340	G	0.05	0.05	5.58E-10	3.29 [2.26-4.79]	0.016	1.74 [1.11-2.74]	0.016	1.74 [1.11-2.73]	1.52E-05	2.69 [1.72-4.21]	1.40E-06	5.39 [2.72-10.68]

rs3134879	30123884	G	0.07	0.06	6.01E-10	3.01 [2.12-4.27]	0.340	1.23 [0.80-1.90]	0.241	1.29 [0.84-1.99]	1.02E-05	2.67 [1.73-4.13]	1.95E-05	3.88 [2.08-7.23]
rs9266772	31460092	C	0.10	0.09	6.10E-10	2.87 [2.06-4.01]	0.929	1.02 [0.64-1.63]	0.799	1.06 [0.67-1.68]	5.85E-05	2.40 [1.57-3.69]	7.19E-07	4.29 [2.41-7.63]
rs3893464	30043229	T	0.08	0.09	6.62E-10	3.21 [2.22-4.65]	0.738	1.09 [0.67-1.76]	0.856	1.05 [0.64-1.70]	2.30E-06	3.13 [1.95-5.02]	9.69E-05	3.42 [1.84-6.35]
rs7757475	32832477	C	0.06	0.05	7.19E-10	3.32 [2.27-4.86]	0.025	1.68 [1.07-2.65]	0.025	1.68 [1.07-2.65]	1.76E-05	2.68 [1.71-4.20]	8.78E-07	6.06 [2.95-12.41]
rs9276449	32823631	T	0.06	0.05	7.19E-10	3.32 [2.27-4.86]	0.025	1.68 [1.07-2.65]	0.025	1.68 [1.07-2.65]	1.76E-05	2.68 [1.71-4.20]	8.78E-07	6.06 [2.95-12.41]
rs1029239	30246141	C	0.08	0.08	7.45E-10	3.11 [2.17-4.47]	0.721	1.09 [0.68-1.73]	0.817	1.06 [0.66-1.68]	5.91E-06	2.87 [1.82-4.53]	7.38E-05	3.42 [1.86-6.29]
SNP_B_31430991	31430991	A	0.09	0.08	7.80E-10	2.83 [2.03-3.95]	0.838	1.05 [0.67-1.65]	0.747	1.08 [0.69-1.69]	6.18E-06	2.73 [1.77-4.21]	2.14E-05	3.26 [1.89-5.63]
AA_A_152_30019207_V	30019207	A	0.05	0.05	8.38E-10	0.26 [0.17-0.40]	0.023	0.55 [0.33-0.92]	0.026	0.56 [0.34-0.93]	4.51E-06	0.28 [0.16-0.48]	9.08E-05	0.25 [0.12-0.50]
SNP_A_30019207_T	30019207	A	0.05	0.05	8.38E-10	0.26 [0.17-0.40]	0.023	0.55 [0.33-0.92]	0.026	0.56 [0.34-0.93]	4.51E-06	0.28 [0.16-0.48]	9.08E-05	0.25 [0.12-0.50]
SNP_B_31432348	31432348	G	0.09	0.08	8.52E-10	2.83 [2.03-3.94]	0.839	1.05 [0.67-1.65]	0.748	1.08 [0.69-1.69]	6.73E-06	2.72 [1.76-4.20]	2.24E-05	3.26 [1.89-5.62]
SNP_B_31432352_x	31432352	P	0.09	0.08	8.52E-10	2.83 [2.03-3.94]	0.839	1.05 [0.67-1.65]	0.748	1.08 [0.69-1.69]	6.73E-06	2.72 [1.76-4.20]	2.24E-05	3.26 [1.89-5.62]
rs438999	32036285	C	0.12	0.12	8.75E-10	3.23 [2.22-4.70]	0.736	0.92 [0.57-1.49]	0.786	0.94 [0.58-1.51]	6.47E-05	2.68 [1.65-4.36]	1.12E-06	4.77 [2.54-8.95]
rs550605	32015126	C	0.12	0.12	9.28E-10	3.23 [2.22-4.69]	0.743	0.92 [0.57-1.49]	0.794	0.94 [0.58-1.52]	6.59E-05	2.68 [1.65-4.36]	1.27E-06	4.73 [2.52-8.88]
rs2844532	31459154	G	0.09	0.09	1.02E-09	2.82 [2.02-3.93]	0.494	1.17 [0.75-1.81]	0.501	1.16 [0.75-1.81]	1.89E-05	2.51 [1.65-3.82]	1.22E-05	3.52 [2.00-6.19]
rs2074472	30264475	T	0.10	0.10	1.06E-09	2.80 [2.01-3.90]	0.679	0.91 [0.58-1.43]	0.609	0.89 [0.56-1.41]	2.84E-07	3.12 [2.02-4.81]	7.32E-04	2.50 [1.47-4.25]
rs2256919	30048729	C	0.10	0.10	1.07E-09	3.03 [2.12-4.32]	0.577	0.87 [0.52-1.44]	0.510	0.84 [0.50-1.41]	2.62E-05	0.36 [0.23-0.58]	2.23E-05	0.30 [0.18-0.53]
rs541862	32024930	G	0.12	0.12	1.07E-09	3.22 [2.21-4.68]	0.734	0.92 [0.57-1.49]	0.784	0.94 [0.58-1.51]	7.19E-05	2.67 [1.64-4.34]	1.27E-06	4.73 [2.52-8.88]
rs429608	32038441	A	0.08	0.08	1.13E-09	3.05 [2.13-4.36]	0.585	1.14 [0.72-1.81]	0.633	1.12 [0.70-1.78]	0.0001071	2.53 [1.58-4.04]	1.73E-06	4.21 [2.34-7.60]
rs954038	30311638	T	0.09	0.10	1.133E-09	2.80 [2.01-3.91]	0.685	0.91 [0.58-1.44]	0.618	0.89 [0.56-1.41]	2.96E-07	3.14 [2.03-4.86]	8.62E-04	2.47 [1.45-4.20]
rs760070	32027935	G	0.12	0.12	1.137E-09	3.21 [2.21-4.67]	0.704	0.91 [0.56-1.47]	0.755	0.93 [0.57-1.50]	7.72E-05	2.66 [1.64-4.32]	1.27E-06	4.73 [2.52-8.88]
rs3094055	30440125	C	0.14	0.13	1.201E-09	2.76 [1.99-3.83]	0.103	0.66 [0.40-1.09]	0.169	0.71 [0.44-1.15]	2.19E-06	2.79 [1.83-4.28]	1.61E-04	2.83 [1.65-4.86]
AA_A_62_30018696_Q	30018696	P	0.05	0.05	1.26E-09	0.28 [0.18-0.42]	0.041	0.59 [0.36-0.98]	0.049	0.60 [0.36-1.00]	3.46E-05	0.33 [0.20-0.56]	1.50E-05	0.22 [0.11-0.44]

rs1265098	31214156	G	0.05	0.05	1.328E-09	2.81 [2.01-3.92]	0.148	1.38 [0.89-2.12]	0.120	1.41 [0.91-2.17]	2.32E-05	2.53 [1.65-3.90]	3.66E-05	3.11 [1.82-5.33]
rs1264459	30563899	C	0.14	0.15	1.454E-09	2.82 [2.02-3.95]	0.195	0.72 [0.44-1.18]	0.147	0.69 [0.42-1.14]	6.12E-06	2.73 [1.77-4.21]	2.75E-05	3.30 [1.89-5.78]
AA_B_24_31432644_T	31432644	P	0.06	0.05	1.48E-09	2.74 [1.98-3.81]	0.097	1.43 [0.94-2.17]	0.066	1.48 [0.98-2.24]	7.92E-05	2.34 [1.53-3.57]	9.92E-07	3.94 [2.27-6.82]
SNP_B_31432643	31432643	G	0.06	0.05	1.479E-09	2.74 [1.98-3.81]	0.097	1.43 [0.94-2.17]	0.066	1.48 [0.98-2.24]	7.92E-05	2.34 [1.53-3.57]	9.92E-07	3.94 [2.27-6.82]
SNP_B_31432645_T	31432645	P	0.06	0.05	1.479E-09	2.74 [1.98-3.81]	0.097	1.43 [0.94-2.17]	0.066	1.48 [0.98-2.24]	7.92E-05	2.34 [1.53-3.57]	9.92E-07	3.94 [2.27-6.82]
rs1045251	30367636	A	0.12	0.12	1.484E-09	2.83 [2.02-3.97]	0.332	0.79 [0.49-1.27]	0.237	0.75 [0.46-1.21]	1.98E-05	2.54 [1.66-3.89]	1.38E-05	3.52 [1.99-6.20]
rs4959046	30315618	G	0.09	0.09	1.488E-09	2.78 [2.00-3.87]	0.593	0.88 [0.56-1.40]	0.542	0.87 [0.55-1.37]	4.19E-07	3.09 [2.00-4.79]	6.64E-04	2.52 [1.48-4.28]
rs1265045	31193319	T	0.08	0.07	1.491E-09	2.85 [2.03-4.00]	0.708	1.09 [0.69-1.74]	0.576	1.14 [0.72-1.81]	0.0003346	2.27 [1.45-3.56]	1.77E-07	4.52 [2.57-7.97]
rs1264616	30372286	A	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs1473102	30393384	A	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs261943	30381350	T	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs261948	30378588	A	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs28360023	30396903	C	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs9295843	30389213	A	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs9380168	30383103	G	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs9394001	30390623	A	0.12	0.12	1.506E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.00E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs2844803	30052293	T	0.07	0.07	1.512E-09	0.30 [0.20-0.44]	0.221	0.74 [0.45-1.20]	0.231	0.74 [0.45-1.21]	3.67E-06	0.28 [0.17-0.48]	1.36E-04	0.31 [0.17-0.57]
rs1419675	30200686	C	0.12	0.12	1.534E-09	2.72 [1.96-3.76]	0.468	0.84 [0.53-1.34]	0.395	0.82 [0.51-1.30]	1.42E-07	3.09 [2.03-4.70]	3.48E-03	2.21 [1.30-3.76]
rs2097773	30348905	T	0.12	0.12	1.549E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.04E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs2516725	30353012	A	0.12	0.12	1.549E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.04E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs2844761	30345433	G	0.12	0.12	1.549E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.04E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs2844765	30342473	C	0.12	0.12	1.549E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.04E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]

rs6912495	30392030	C	0.12	0.12	1.549E-09	2.83 [2.02-3.97]	0.322	0.78 [0.48-1.27]	0.229	0.74 [0.45-1.21]	2.04E-05	2.54 [1.65-3.89]	1.38E-05	3.52 [1.99-6.20]
rs1245218	30456021	C	0.14	0.13	1.562E-09	2.73 [1.97-3.79]	0.102	0.66 [0.40-1.09]	0.169	0.71 [0.44-1.15]	2.72E-06	2.76 [1.81-4.22]	1.60E-04	2.83 [1.65-4.86]
rs2253163	30317041	C	0.09	0.09	1.593E-09	2.77 [1.99-3.86]	0.593	0.88 [0.56-1.40]	0.541	0.87 [0.55-1.37]	4.49E-07	3.08 [1.99-4.76]	6.64E-04	2.52 [1.48-4.28]
rs2844763	30343163	A	0.12	0.12	1.597E-09	2.83 [2.02-3.97]	0.321	0.78 [0.48-1.27]	0.228	0.74 [0.45-1.21]	2.04E-05	2.54 [1.65-3.89]	1.42E-05	3.51 [1.99-6.19]
rs2647015	32772071	C	0.07	0.07	1.651E-09	3.17 [2.18-4.62]	0.211	1.35 [0.84-2.15]	0.242	1.32 [0.83-2.11]	3.02E-05	2.69 [1.69-4.27]	8.91E-06	4.40 [2.29-8.47]
rs2844780	30312505	A	0.10	0.09	1.691E-09	2.76 [1.99-3.84]	0.563	0.87 [0.55-1.38]	0.515	0.86 [0.54-1.36]	5.10E-07	3.04 [1.97-4.69]	7.61E-04	2.48 [1.46-4.21]
rs9276426	32819716	A	0.04	0.04	1.695E-09	2.89 [2.05-4.08]	0.007	1.81 [1.18-2.79]	0.007	1.81 [1.18-2.79]	1.96E-05	2.56 [1.66-3.95]	1.97E-05	3.59 [2.00-6.45]
rs885915	30310694	A	0.10	0.09	1.747E-09	2.76 [1.98-3.84]	0.563	0.87 [0.55-1.38]	0.514	0.86 [0.54-1.36]	5.23E-07	3.04 [1.97-4.69]	7.61E-04	2.48 [1.46-4.21]
rs12212418	31032003	T	0.08	0.08	1.777E-09	2.82 [2.01-3.95]	0.327	1.25 [0.80-1.97]	0.236	1.31 [0.84-2.04]	8.56E-06	2.69 [1.74-4.16]	3.65E-04	2.72 [1.57-4.73]
rs3757340	31029861	C	0.08	0.08	1.913E-09	2.81 [2.01-3.94]	0.345	1.24 [0.79-1.95]	0.251	1.30 [0.83-2.02]	8.93E-06	2.68 [1.74-4.14]	3.65E-04	2.72 [1.57-4.73]
rs9276407	32818285	A	0.04	0.04	1.985E-09	2.87 [2.04-4.05]	0.007	1.81 [1.17-2.78]	0.007	1.81 [1.18-2.79]	2.30E-05	2.54 [1.65-3.91]	1.97E-05	3.59 [2.00-6.45]
rs2735079	30046911	A	0.10	0.10	2.092E-09	2.96 [2.08-4.23]	0.555	0.86 [0.52-1.43]	0.489	0.83 [0.50-1.39]	3.93E-05	0.37 [0.23-0.60]	2.59E-05	0.31 [0.18-0.53]
rs435766	30047831	T	0.10	0.10	2.092E-09	2.96 [2.08-4.23]	0.555	0.86 [0.52-1.43]	0.489	0.83 [0.50-1.39]	3.93E-05	0.37 [0.23-0.60]	2.59E-05	0.31 [0.18-0.53]
rs2735080	30046832	T	0.10	0.10	2.221E-09	2.96 [2.07-4.22]	0.554	0.86 [0.52-1.42]	0.488	0.84 [0.50-1.39]	4.08E-05	0.37 [0.23-0.60]	2.78E-05	0.31 [0.18-0.53]
AA_B_116_31432123_FD	31432123	P	0.06	0.06	2.26E-09	2.68 [1.94-3.71]	0.312	1.24 [0.82-1.89]	0.248	1.28 [0.84-1.94]	9.47E-06	2.60 [1.70-3.97]	2.78E-04	2.60 [1.55-4.36]
AA_B_116_31432123_YLS	31432123	A	0.06	0.06	2.26E-09	2.68 [1.94-3.71]	0.312	1.24 [0.82-1.89]	0.248	1.28 [0.84-1.94]	9.47E-06	2.60 [1.70-3.97]	2.78E-04	2.60 [1.55-4.36]
rs374205	32304851	C	0.10	0.10	2.342E-09	3.12 [2.15-4.52]	0.670	1.11 [0.69-1.78]	0.675	1.11 [0.69-1.78]	5.05E-05	2.57 [1.63-4.06]	1.68E-05	4.28 [2.21-8.31]
rs3130605	33093273	C	0.09	0.08	2.556E-09	4.68 [2.82-7.77]	0.588	1.18 [0.64-2.18]	0.513	1.23 [0.67-2.25]	1.01E-05	3.91 [2.13-7.16]	1.37E-06	11.73 [4.32-31.85]
rs362525	29651625	C	0.10	0.11	2.636E-09	2.88 [2.03-4.07]	0.729	0.92 [0.58-1.47]	0.666	0.90 [0.56-1.44]	4.42E-07	3.04 [1.98-4.69]	7.25E-03	2.30 [1.25-4.24]
rs12525160	29643196	A	0.11	0.11	2.955E-09	2.87 [2.03-4.07]	0.617	0.89 [0.56-1.42]	0.557	0.87 [0.54-1.39]	4.99E-07	3.00 [1.96-4.61]	5.63E-03	2.38 [1.29-4.40]
rs3129811	30445895	G	0.14	0.13	3.026E-09	2.69 [1.94-3.72]	0.087	0.65 [0.40-1.06]	0.146	0.70 [0.43-1.13]	5.22E-06	2.67 [1.75-4.08]	1.72E-04	2.82 [1.64-4.84]
rs3130361	30447543	A	0.14	0.13	3.026E-09	2.69 [1.94-3.72]	0.087	0.65 [0.40-1.06]	0.146	0.70 [0.43-1.13]	5.22E-06	2.67 [1.75-4.08]	1.72E-04	2.82 [1.64-4.84]

rs995185	29637116	A	0.11	0.11	3.071E-09	2.70 [1.94-3.74]	0.505	0.85 [0.54-1.36]	0.668	0.91 [0.57-1.43]	2.82E-06	2.80 [1.82-4.31]	6.46E-04	2.48 [1.47-4.19]
rs3129808	30443533	G	0.14	0.13	3.115E-09	2.69 [1.94-3.72]	0.087	0.65 [0.40-1.06]	0.146	0.70 [0.43-1.13]	5.35E-06	2.67 [1.75-4.08]	1.72E-04	2.82 [1.64-4.84]
rs2523765	29925085	A	0.04	0.05	3.171E-09	0.26 [0.17-0.41]	0.008	0.49 [0.29-0.83]	0.011	0.51 [0.30-0.86]	8.49E-06	0.28 [0.16-0.49]	6.33E-05	0.22 [0.11-0.47]
rs2844778	30313970	G	0.09	0.09	3.42E-09	2.73 [1.96-3.81]	0.552	0.87 [0.55-1.38]	0.489	0.85 [0.54-1.35]	7.90E-07	3.03 [1.95-4.70]	9.04E-04	2.48 [1.45-4.23]
AA_A_152_30019207_VW	30019207	A	0.05	0.05	3.42E-09	0.28 [0.18-0.42]	0.037	0.58 [0.35-0.97]	0.042	0.59 [0.35-0.98]	1.04E-05	0.29 [0.17-0.51]	1.34E-04	0.26 [0.13-0.52]
rs388234	29641274	G	0.08	0.08	3.538E-09	2.79 [1.99-3.92]	0.362	1.23 [0.79-1.93]	0.388	1.22 [0.78-1.92]	7.37E-07	3.22 [2.03-5.12]	5.94E-03	2.06 [1.23-3.45]
AA_B_80_31432476_T	31432476	P	0.07	0.07	3.72E-09	2.70 [1.94-3.76]	0.907	1.03 [0.66-1.60]	0.808	1.06 [0.68-1.65]	5.19E-06	2.71 [1.77-4.17]	1.06E-04	2.94 [1.71-5.08]
SNP_B_31432476_G	31432476	P	0.07	0.07	3.716E-09	2.70 [1.94-3.76]	0.907	1.03 [0.66-1.60]	0.808	1.06 [0.68-1.65]	5.19E-06	2.71 [1.77-4.17]	1.06E-04	2.94 [1.71-5.08]
rs401775	32039116	G	0.08	0.08	3.867E-09	2.80 [1.99-3.94]	0.618	1.12 [0.72-1.73]	0.578	1.13 [0.73-1.75]	2.22E-05	2.54 [1.65-3.91]	7.96E-05	3.23 [1.80-5.78]
rs3130379	30433510	T	0.14	0.13	4.23E-09	2.66 [1.92-3.69]	0.071	0.63 [0.39-1.04]	0.110	0.67 [0.42-1.09]	5.17E-06	2.67 [1.75-4.08]	2.35E-04	2.77 [1.61-4.76]
AA_A_152_30019207_VR	30019207	A	0.04	0.04	4.60E-09	0.27 [0.17-0.42]	0.015	0.52 [0.31-0.88]	0.018	0.53 [0.32-0.90]	1.74E-05	0.28 [0.16-0.50]	1.27E-04	0.26 [0.13-0.52]
rs3778624	30410579	G	0.11	0.12	4.706E-09	2.74 [1.95-3.83]	0.269	0.76 [0.47-1.23]	0.189	0.72 [0.44-1.17]	4.92E-05	2.41 [1.58-3.69]	1.68E-05	3.45 [1.96-6.06]
1kg_6_30422545	30422545	G	0.11	0.12	5.035E-09	2.73 [1.95-3.83]	0.313	0.78 [0.48-1.26]	0.222	0.74 [0.45-1.20]	5.39E-05	2.41 [1.57-3.69]	1.46E-05	3.51 [1.99-6.19]
rs9380174	30424718	T	0.11	0.12	5.035E-09	2.73 [1.95-3.83]	0.313	0.78 [0.48-1.26]	0.222	0.74 [0.45-1.20]	5.39E-05	2.41 [1.57-3.69]	1.46E-05	3.51 [1.99-6.19]
rs2074474	30417487	G	0.11	0.12	5.606E-09	2.72 [1.94-3.81]	0.313	0.78 [0.48-1.26]	0.221	0.74 [0.45-1.20]	6.03E-05	2.39 [1.56-3.65]	1.46E-05	3.51 [1.99-6.19]
rs2844533	31458781	C	0.08	0.08	5.841E-09	2.75 [1.96-3.86]	0.948	1.02 [0.64-1.62]	0.945	1.02 [0.64-1.62]	2.14E-06	2.92 [1.87-4.54]	2.85E-04	2.74 [1.59-4.71]
rs3117294	29761308	G	0.11	0.11	6.211E-09	2.76 [1.96-3.88]	0.393	0.80 [0.47-1.35]	0.586	0.87 [0.52-1.44]	0.0001828	2.34 [1.50-3.65]	2.45E-05	3.15 [1.85-5.36]
rs3129045	29760555	T	0.11	0.11	6.211E-09	2.76 [1.96-3.88]	0.393	0.80 [0.47-1.35]	0.586	0.87 [0.52-1.44]	0.0001828	2.34 [1.50-3.65]	2.45E-05	3.15 [1.85-5.36]
rs2844806	30041418	G	0.08	0.08	6.862E-09	2.91 [2.03-4.17]	0.681	0.90 [0.55-1.48]	0.647	0.89 [0.54-1.47]	2.26E-07	3.66 [2.24-5.98]	3.93E-03	2.24 [1.30-3.88]
rs2523619	31426123	G	0.10	0.10	7.107E-09	2.69 [1.92-3.76]	0.699	0.92 [0.59-1.42]	0.770	0.94 [0.61-1.45]	4.44E-05	2.40 [1.58-3.65]	1.37E-04	3.05 [1.72-5.40]
rs28380805	31418094	C	0.10	0.10	7.107E-09	2.69 [1.92-3.76]	0.699	0.92 [0.59-1.42]	0.770	0.94 [0.61-1.45]	4.44E-05	2.40 [1.58-3.65]	1.37E-04	3.05 [1.72-5.40]
rs28380903	31421527	T	0.10	0.10	7.107E-09	2.69 [1.92-3.76]	0.699	0.92 [0.59-1.42]	0.770	0.94 [0.61-1.45]	4.44E-05	2.40 [1.58-3.65]	1.37E-04	3.05 [1.72-5.40]

rs2856705	32778934	A	0.07	0.07	8.684E-09	3.04 [2.08-4.43]	0.389	1.23 [0.77-1.98]	0.431	1.21 [0.75-1.94]	9.52E-05	2.55 [1.60-4.09]	1.36E-05	4.19 [2.20-7.98]
rs2858308	32777978	A	0.07	0.07	8.684E-09	3.04 [2.08-4.43]	0.389	1.23 [0.77-1.98]	0.431	1.21 [0.75-1.94]	9.52E-05	2.55 [1.60-4.09]	1.36E-05	4.19 [2.20-7.98]
rs3130990	31195265	T	0.06	0.06	8.752E-09	2.66 [1.91-3.71]	0.445	1.18 [0.77-1.82]	0.322	1.24 [0.81-1.90]	8.54E-05	2.37 [1.54-3.64]	3.78E-05	3.20 [1.84-5.57]
rs1062470	31192414	T	0.06	0.06	9.079E-09	2.66 [1.90-3.71]	0.445	1.18 [0.77-1.82]	0.322	1.24 [0.81-1.90]	8.95E-05	2.36 [1.54-3.62]	3.55E-05	3.22 [1.85-5.60]
rs3871467	29785228	T	0.07	0.07	9.148E-09	2.83 [1.99-4.04]	0.479	1.19 [0.74-1.92]	0.300	1.28 [0.80-2.04]	1.90E-05	0.36 [0.23-0.58]	1.89E-04	0.34 [0.19-0.60]
rs7775228	32766057	C	0.06	0.06	9.544E-09	2.89 [2.01-4.16]	0.241	1.31 [0.84-2.04]	0.262	1.29 [0.83-2.02]	1.68E-05	2.71 [1.72-4.26]	8.84E-05	3.54 [1.88-6.67]
rs3094207	31199388	C	0.06	0.06	9.606E-09	2.65 [1.90-3.70]	0.446	1.18 [0.77-1.82]	0.322	1.24 [0.81-1.90]	8.95E-05	2.36 [1.54-3.62]	3.78E-05	3.20 [1.84-5.57]
rs3095297	31191708	G	0.06	0.06	9.606E-09	2.65 [1.90-3.70]	0.446	1.18 [0.77-1.82]	0.322	1.24 [0.81-1.90]	8.95E-05	2.36 [1.54-3.62]	3.78E-05	3.20 [1.84-5.57]
rs3095313	31198578	A	0.06	0.06	9.606E-09	2.65 [1.90-3.70]	0.446	1.18 [0.77-1.82]	0.322	1.24 [0.81-1.90]	8.95E-05	2.36 [1.54-3.62]	3.78E-05	3.20 [1.84-5.57]
rs3130991	31195333	T	0.06	0.06	9.606E-09	2.65 [1.90-3.70]	0.446	1.18 [0.77-1.82]	0.322	1.24 [0.81-1.90]	8.95E-05	2.36 [1.54-3.62]	3.78E-05	3.20 [1.84-5.57]
rs3130995	31198531	A	0.06	0.06	9.606E-09	2.65 [1.90-3.70]	0.446	1.18 [0.77-1.82]	0.322	1.24 [0.81-1.90]	8.95E-05	2.36 [1.54-3.62]	3.78E-05	3.20 [1.84-5.57]
rs3130996	31198822	G	0.06	0.06	9.751E-09	2.65 [1.90-3.70]	0.446	1.18 [0.77-1.82]	0.323	1.24 [0.81-1.90]	9.05E-05	2.36 [1.54-3.62]	3.78E-05	3.20 [1.84-5.57]
rs9689804	33169170	A	0.06	0.06	9.888E-09	4.03 [2.50-6.48]	0.205	1.44 [0.82-2.54]	0.168	1.49 [0.85-2.62]	4.17E-05	3.39 [1.89-6.09]	2.50E-06	7.93 [3.35-18.79]
rs7763822	33168406	T	0.06	0.06	1.002E-08	4.02 [2.50-6.48]	0.205	1.44 [0.82-2.54]	0.168	1.49 [0.85-2.62]	4.42E-05	3.38 [1.88-6.06]	2.18E-06	8.07 [3.40-19.14]
rs2517912	29791923	A	0.07	0.07	1.039E-08	2.83 [1.98-4.03]	0.483	1.19 [0.74-1.92]	0.294	1.28 [0.81-2.04]	2.05E-05	0.36 [0.23-0.58]	1.99E-04	0.34 [0.19-0.60]
rs2735062	29790868	G	0.07	0.07	1.04E-08	2.83 [1.98-4.03]	0.482	1.19 [0.74-1.92]	0.293	1.28 [0.81-2.04]	2.10E-05	0.36 [0.23-0.58]	1.93E-04	0.34 [0.19-0.60]
rs9394003	30423189	G	0.11	0.12	1.044E-08	2.67 [1.91-3.74]	0.273	0.77 [0.47-1.24]	0.192	0.72 [0.45-1.18]	9.70E-05	2.33 [1.52-3.57]	1.68E-05	3.45 [1.96-6.06]
rs7764491	33168818	G	0.06	0.06	1.052E-08	4.01 [2.49-6.46]	0.206	1.44 [0.82-2.54]	0.168	1.49 [0.85-2.62]	4.42E-05	3.38 [1.88-6.06]	2.50E-06	7.93 [3.35-18.79]
rs2256543	30045812	T	0.06	0.06	1.083E-08	0.30 [0.20-0.45]	0.189	0.72 [0.43-1.18]	0.204	0.72 [0.44-1.19]	9.06E-06	0.28 [0.16-0.49]	3.53E-04	0.32 [0.17-0.60]
rs9501255	33163076	T	0.06	0.06	1.089E-08	4.01 [2.49-6.46]	0.215	1.43 [0.81-2.52]	0.176	1.48 [0.84-2.60]	4.72E-05	3.36 [1.88-6.03]	2.18E-06	8.07 [3.40-19.14]
rs9276193	32807510	A	0.04	0.04	1.102E-08	2.77 [1.95-3.93]	0.010	1.79 [1.15-2.78]	0.011	1.78 [1.14-2.77]	5.87E-05	2.48 [1.59-3.85]	1.67E-05	3.64 [2.02-6.56]
rs9276310	32812501	A	0.04	0.04	1.123E-08	2.77 [1.95-3.93]	0.011	1.78 [1.15-2.78]	0.011	1.78 [1.14-2.77]	5.69E-05	2.48 [1.59-3.86]	1.72E-05	3.64 [2.02-6.55]

rs9276403	32817716	G	0.04	0.04	1.123E-08	2.77 [1.95-3.93]	0.011	1.78 [1.15-2.78]	0.011	1.78 [1.14-2.77]	5.69E-05	2.48 [1.59-3.86]	1.72E-05	3.64 [2.02-6.55]
rs3823376	30052163	C	0.06	0.06	1.144E-08	0.34 [0.23-0.49]	0.260	0.76 [0.47-1.22]	0.333	0.79 [0.49-1.27]	9.52E-05	0.40 [0.25-0.63]	4.76E-05	0.26 [0.14-0.50]
rs3094208	31198651	C	0.06	0.06	1.18E-08	2.63 [1.89-3.67]	0.456	1.18 [0.77-1.81]	0.331	1.24 [0.81-1.89]	0.000106	2.34 [1.52-3.59]	3.78E-05	3.20 [1.84-5.57]
rs9261425	30189087	T	0.09	0.09	1.233E-08	2.63 [1.89-3.67]	0.498	0.85 [0.54-1.36]	0.447	0.84 [0.52-1.33]	4.41E-07	3.14 [2.01-4.89]	6.15E-03	2.05 [1.23-3.43]
rs2857208	32851081	G	0.06	0.06	1.323E-08	3.00 [2.06-4.39]	0.123	1.45 [0.90-2.31]	0.119	1.45 [0.91-2.32]	0.000147	2.38 [1.52-3.73]	1.81E-06	5.63 [2.77-11.46]
rs9262539	31098469	T	0.08	0.08	1.333E-08	2.68 [1.91-3.76]	0.471	1.18 [0.75-1.87]	0.424	1.20 [0.76-1.90]	0.0003981	2.13 [1.40-3.23]	5.22E-06	3.95 [2.19-7.12]
AA_A_114_30019093_RE	30019093	P	0.09	0.09	1.48E-08	2.76 [1.94-3.93]	0.442	0.82 [0.50-1.35]	0.382	0.80 [0.49-1.32]	2.04E-06	3.04 [1.92-4.80]	1.52E-03	2.46 [1.41-4.30]
rs3130980	31190383	T	0.06	0.06	1.482E-08	2.62 [1.88-3.66]	0.431	1.19 [0.77-1.83]	0.311	1.25 [0.81-1.90]	5.24E-05	2.44 [1.58-3.76]	1.19E-04	2.95 [1.70-5.12]
AA_A_152_30019207_AE	30019207	P	0.04	0.04	1.60E-08	0.28 [0.18-0.44]	0.021	0.54 [0.32-0.91]	0.025	0.55 [0.33-0.93]	3.60E-05	0.30 [0.17-0.53]	1.82E-04	0.26 [0.13-0.53]
SNP_A_30019207_CA	30019207	P	0.04	0.04	1.638E-08	0.28 [0.18-0.44]	0.022	0.54 [0.32-0.91]	0.026	0.55 [0.33-0.93]	3.63E-05	0.30 [0.17-0.53]	1.82E-04	0.26 [0.13-0.53]
SNP_DRB1_32659913_G	32659913	A	0.05	0.06	2.039E-08	2.62 [1.87-3.66]	0.273	1.27 [0.83-1.96]	0.295	1.26 [0.82-1.94]	5.44E-06	2.77 [1.79-4.30]	1.22E-03	2.50 [1.44-4.37]
rs2284164	30267833	C	0.06	0.06	2.071E-08	2.68 [1.90-3.78]	0.761	1.07 [0.69-1.66]	0.826	1.05 [0.68-1.63]	6.00E-05	2.42 [1.57-3.73]	1.40E-04	3.19 [1.75-5.78]
rs718254	30267018	C	0.06	0.06	2.089E-08	2.68 [1.90-3.77]	0.761	1.07 [0.69-1.66]	0.826	1.05 [0.68-1.63]	6.10E-05	2.42 [1.57-3.72]	1.40E-04	3.19 [1.75-5.78]
rs3095310	31199426	A	0.05	0.05	2.105E-08	2.64 [1.88-3.71]	0.245	1.30 [0.84-2.01]	0.166	1.36 [0.88-2.09]	4.77E-05	2.49 [1.60-3.86]	1.35E-04	2.92 [1.68-5.06]
rs3130997	31198837	A	0.05	0.05	2.109E-08	2.64 [1.88-3.71]	0.250	1.29 [0.83-2.00]	0.170	1.35 [0.88-2.08]	5.09E-05	2.48 [1.60-3.84]	1.25E-04	2.94 [1.70-5.10]
HLA_DPB1_11	33157346	P	0.09	0.08	2.18E-08	4.41 [2.62-7.40]	0.801	1.08 [0.58-2.03]	0.714	1.13 [0.60-2.11]	7.68E-05	3.53 [1.89-6.60]	1.13E-06	11.91 [4.39-32.30]
HLA_DPB1_1101	33157346	P	0.09	0.08	2.18E-08	4.41 [2.62-7.40]	0.801	1.08 [0.58-2.03]	0.714	1.13 [0.60-2.11]	7.68E-05	3.53 [1.89-6.60]	1.13E-06	11.91 [4.39-32.30]
rs3132672	30283826	G	0.06	0.06	2.184E-08	2.67 [1.89-3.77]	0.792	1.06 [0.69-1.64]	0.857	1.04 [0.67-1.61]	6.14E-05	2.42 [1.57-3.72]	1.50E-04	3.17 [1.75-5.75]
rs3130999	31199176	G	0.05	0.05	2.247E-08	2.63 [1.88-3.70]	0.252	1.29 [0.83-2.00]	0.171	1.35 [0.88-2.08]	5.09E-05	2.48 [1.60-3.84]	1.35E-04	2.92 [1.68-5.06]
rs3131000	31199252	C	0.05	0.05	2.247E-08	2.63 [1.88-3.70]	0.252	1.29 [0.83-2.00]	0.171	1.35 [0.88-2.08]	5.09E-05	2.48 [1.60-3.84]	1.35E-04	2.92 [1.68-5.06]
rs3132542	31199142	T	0.05	0.05	2.247E-08	2.63 [1.88-3.70]	0.252	1.29 [0.83-2.00]	0.171	1.35 [0.88-2.08]	5.09E-05	2.48 [1.60-3.84]	1.35E-04	2.92 [1.68-5.06]
SNP_DPB1_33151820	33151820	A	0.09	0.08	2.264E-08	4.40 [2.62-7.39]	0.802	1.08 [0.58-2.03]	0.715	1.12 [0.60-2.11]	8.11E-05	3.52 [1.88-6.58]	1.13E-06	11.91 [4.39-32.30]

SNP_DPB1_33151843	33151843	T	0.09	0.08	2.264E-08	4.40 [2.62-7.39]	0.802	1.08 [0.58-2.03]	0.715	1.12 [0.60-2.11]	8.11E-05	3.52 [1.88-6.58]	1.13E-06	11.91 [4.39-32.30]
rs71561360	30284290	G	0.06	0.06	2.294E-08	2.67 [1.89-3.77]	0.793	1.06 [0.68-1.64]	0.858	1.04 [0.67-1.61]	6.38E-05	2.42 [1.57-3.72]	1.50E-04	3.17 [1.75-5.75]
AA_DRB1_74_32659926_Q	32659926	P	0.07	0.07	2.38E-08	2.81 [1.96-4.04]	0.417	1.21 [0.77-1.90]	0.439	1.20 [0.76-1.88]	1.21E-05	2.78 [1.76-4.40]	4.09E-04	3.06 [1.65-5.70]
SNP_DRB1_32656528	32656528	A	0.07	0.07	2.382E-08	2.81 [1.96-4.04]	0.417	1.21 [0.77-1.90]	0.439	1.20 [0.76-1.88]	1.21E-05	2.78 [1.76-4.40]	4.09E-04	3.06 [1.65-5.70]
SNP_DRB1_32659988	32659988	T	0.07	0.07	2.474E-08	2.81 [1.95-4.03]	0.418	1.21 [0.77-1.90]	0.440	1.20 [0.76-1.88]	1.21E-05	2.78 [1.76-4.40]	4.23E-04	3.06 [1.64-5.68]
SNP_A_30019398	30019398	A	0.05	0.05	2.64E-08	0.31 [0.21-0.47]	0.082	0.64 [0.39-1.06]	0.095	0.65 [0.40-1.08]	9.57E-05	0.36 [0.21-0.60]	1.00E-04	0.26 [0.13-0.51]
rs2394737	30250978	G	0.06	0.06	2.741E-08	2.65 [1.88-3.74]	0.790	1.06 [0.69-1.64]	0.855	1.04 [0.67-1.61]	7.67E-05	2.39 [1.55-3.67]	1.41E-04	3.19 [1.75-5.78]
rs4122189	31275906	A	0.06	0.05	2.747E-08	2.61 [1.86-3.66]	0.567	1.14 [0.73-1.76]	0.475	1.17 [0.76-1.81]	0.0007518	2.12 [1.37-3.29]	4.75E-06	3.80 [2.14-6.72]
rs7774730	30253719	A	0.06	0.06	2.79E-08	2.65 [1.88-3.74]	0.810	1.06 [0.68-1.63]	0.874	1.04 [0.67-1.60]	7.77E-05	2.39 [1.55-3.67]	1.41E-04	3.19 [1.75-5.78]
rs9261539	30253062	A	0.06	0.06	2.79E-08	2.65 [1.88-3.74]	0.810	1.06 [0.68-1.63]	0.874	1.04 [0.67-1.60]	7.77E-05	2.39 [1.55-3.67]	1.41E-04	3.19 [1.75-5.78]
rs9261543	30254629	G	0.06	0.06	2.79E-08	2.65 [1.88-3.74]	0.810	1.06 [0.68-1.63]	0.874	1.04 [0.67-1.60]	7.77E-05	2.39 [1.55-3.67]	1.41E-04	3.19 [1.75-5.78]
AA_DRB1_11_32660115_G	32660115	P	0.07	0.07	2.85E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
AA_DRB1_13_32660109_Y	32660109	P	0.07	0.07	2.85E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
AA_DRB1_14_32660106	32660106	K	0.07	0.07	2.85E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
AA_DRB1_25_32660073	32660073	Q	0.07	0.07	2.85E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
AA_DRB1_30_32660058_L	32660058	P	0.07	0.07	2.85E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
HLA_DRB1_07	32660042	P	0.07	0.07	2.85E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
HLA_DRB1_0701	32660042	P	0.07	0.07	2.85E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
SNP_DRB1_32660058_A	32660058	P	0.07	0.07	2.847E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
SNP_DRB1_32660073	32660073	T	0.07	0.07	2.847E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
SNP_DRB1_32660107	32660107	T	0.07	0.07	2.847E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]
SNP_DRB1_32660115_C	32660115	P	0.07	0.07	2.847E-08	2.79 [1.94-4.00]	0.418	1.21 [0.77-1.89]	0.441	1.20 [0.76-1.88]	1.39E-05	2.76 [1.75-4.36]	4.23E-04	3.06 [1.64-5.68]

rs6921663	31262599	C	0.06	0.05	2.887E-08	2.60 [1.86-3.64]	0.565	1.14 [0.73-1.76]	0.473	1.17 [0.76-1.81]	0.000826	2.11 [1.36-3.27]	4.64E-06	3.80 [2.15-6.72]
AA_DRB1_37_32660037_F	32660037	P	0.06	0.06	2.96E-08	2.73 [1.91-3.89]	0.321	1.25 [0.80-1.96]	0.340	1.24 [0.79-1.95]	1.16E-05	2.79 [1.76-4.41]	4.56E-04	2.89 [1.60-5.22]
rs3132571	31013292	C	0.05	0.05	2.971E-08	2.59 [1.85-3.62]	0.143	1.35 [0.90-2.01]	0.100	1.40 [0.94-2.07]	0.0003881	2.16 [1.41-3.30]	2.00E-05	3.41 [1.94-5.98]
rs1003581	29648183	T	0.09	0.10	3.125E-08	2.64 [1.87-3.73]	0.619	0.89 [0.56-1.41]	0.555	0.87 [0.54-1.39]	1.03E-05	2.57 [1.69-3.91]	3.81E-03	2.44 [1.33-4.46]
AA_DQA1_47_32717191_K	32717191	P	0.07	0.07	3.38E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
AA_DQA1_52_32717206_H	32717206	P	0.07	0.07	3.38E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
AA_DQA1_54_32717212	32717212	L	0.07	0.07	3.38E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
HLA_DQA1_02	32716284	P	0.07	0.07	3.38E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
HLA_DQA1_0201	32716284	P	0.07	0.07	3.38E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
SNP_DQA1_32717190_A	32717190	P	0.07	0.07	3.377E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
SNP_DQA1_32717206	32717206	A	0.07	0.07	3.377E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
SNP_DQA1_32717211	32717211	C	0.07	0.07	3.377E-08	2.77 [1.93-3.98]	0.432	1.20 [0.76-1.88]	0.455	1.19 [0.76-1.87]	1.70E-05	2.72 [1.73-4.30]	4.09E-04	3.06 [1.65-5.70]
rs9366769	31277268	C	0.06	0.05	3.459E-08	2.59 [1.85-3.63]	0.592	1.13 [0.73-1.75]	0.498	1.16 [0.75-1.80]	0.0008774	2.10 [1.36-3.26]	5.13E-06	3.79 [2.14-6.71]
rs2395246	32799753	C	0.04	0.04	3.602E-08	2.67 [1.88-3.78]	0.015	1.72 [1.11-2.67]	0.017	1.71 [1.10-2.65]	0.0001637	2.32 [1.50-3.60]	1.52E-05	3.68 [2.04-6.65]
rs3104401	32795336	G	0.04	0.04	3.602E-08	2.67 [1.88-3.78]	0.015	1.72 [1.11-2.67]	0.017	1.71 [1.10-2.65]	0.0001637	2.32 [1.50-3.60]	1.52E-05	3.68 [2.04-6.65]
AA_C_97_31347086_R	31347086	A	0.10	0.10	3.87E-08	2.52 [1.81-3.51]	0.645	0.90 [0.59-1.39]	0.707	0.92 [0.60-1.41]	5.09E-05	2.36 [1.56-3.58]	2.85E-04	2.82 [1.61-4.93]
rs3135195	33107308	C	0.07	0.07	3.966E-08	3.70 [2.32-5.89]	0.676	1.13 [0.64-1.99]	0.592	1.17 [0.66-2.06]	0.0002581	2.84 [1.62-4.98]	4.51E-07	11.24 [4.39-28.76]
rs9275715	32796266	A	0.04	0.04	4.005E-08	2.65 [1.87-3.76]	0.015	1.72 [1.11-2.67]	0.017	1.71 [1.10-2.65]	0.0001731	2.31 [1.49-3.58]	1.52E-05	3.68 [2.04-6.65]
AA_C_97_31347086_W	31347086	P	0.10	0.10	4.03E-08	2.52 [1.81-3.51]	0.645	0.90 [0.59-1.39]	0.707	0.92 [0.60-1.41]	5.30E-05	2.36 [1.56-3.58]	2.85E-04	2.82 [1.61-4.93]
SNP_C_31347087	31347087	A	0.10	0.10	4.03E-08	2.52 [1.81-3.51]	0.645	0.90 [0.59-1.39]	0.707	0.92 [0.60-1.41]	5.30E-05	2.36 [1.56-3.58]	2.85E-04	2.82 [1.61-4.93]
rs2256594	32294850	C	0.07	0.07	4.071E-08	2.56 [1.83-3.57]	0.449	1.18 [0.77-1.78]	0.441	1.18 [0.78-1.79]	0.0008742	2.08 [1.35-3.19]	2.89E-05	3.30 [1.89-5.78]
rs3104397	32793651	A	0.04	0.04	4.207E-08	2.65 [1.87-3.75]	0.017	1.70 [1.10-2.63]	0.019	1.69 [1.09-2.61]	0.0001698	2.32 [1.50-3.60]	1.41E-05	3.68 [2.04-6.62]

rs6933349	31109992	A	0.07	0.07	4.265E-08	2.57 [1.83-3.60]	0.807	0.94 [0.59-1.50]	0.957	0.99 [0.62-1.56]	0.003055	1.99 [1.26-3.14]	9.76E-07	3.92 [2.27-6.78]
rs9275733	32796757	G	0.04	0.04	4.302E-08	2.65 [1.87-3.75]	0.015	1.72 [1.11-2.67]	0.017	1.71 [1.10-2.65]	0.0001823	2.31 [1.49-3.57]	1.52E-05	3.68 [2.04-6.65]
rs384247	32292552	A	0.06	0.07	4.373E-08	2.54 [1.82-3.54]	0.445	1.18 [0.78-1.78]	0.445	1.18 [0.78-1.78]	0.001437	2.01 [1.31-3.10]	1.40E-05	3.45 [1.97-6.02]
rs404860	32292323	C	0.06	0.07	4.373E-08	2.54 [1.82-3.54]	0.445	1.18 [0.78-1.78]	0.445	1.18 [0.78-1.78]	0.001437	2.01 [1.31-3.10]	1.40E-05	3.45 [1.97-6.02]
SNP_DRB1_32660037_A	32660037	P	0.06	0.06	4.577E-08	2.65 [1.87-3.76]	0.386	1.22 [0.78-1.89]	0.421	1.20 [0.77-1.87]	1.73E-05	2.71 [1.72-4.28]	8.12E-04	2.68 [1.51-4.78]
rs3130780	30982287	T	0.08	0.08	4.708E-08	2.58 [1.83-3.62]	0.834	1.05 [0.66-1.67]	0.682	1.10 [0.70-1.73]	5.42E-06	2.73 [1.77-4.22]	1.71E-03	2.53 [1.42-4.51]
rs1264439	30660481	T	0.07	0.06	4.823E-08	2.50 [1.80-3.47]	0.957	0.99 [0.63-1.54]	0.891	1.03 [0.67-1.60]	1.23E-07	3.27 [2.11-5.07]	1.59E-02	1.92 [1.13-3.25]
rs2252745	30687294	C	0.07	0.06	4.902E-08	2.50 [1.80-3.47]	0.973	0.99 [0.64-1.55]	0.874	1.04 [0.67-1.61]	1.30E-07	3.26 [2.10-5.05]	1.58E-02	1.92 [1.13-3.25]
rs1264551	30485152	T	0.12	0.11	5.01E-08	2.49 [1.80-3.46]	0.149	0.70 [0.43-1.14]	0.215	0.74 [0.46-1.19]	6.25E-06	2.68 [1.75-4.12]	3.17E-03	2.28 [1.32-3.95]
rs2074473	30262178	G	0.06	0.06	5.12E-08	2.59 [1.84-3.65]	0.850	1.04 [0.68-1.61]	0.906	1.03 [0.66-1.59]	1.24E-04	2.32 [1.51-3.57]	1.52E-04	3.17 [1.75-5.76]
rs3869065	30095453	C	0.05	0.05	5.56E-08	2.69 [1.88-3.84]	0.282	1.27 [0.82-1.95]	0.340	1.24 [0.80-1.91]	2.78E-04	2.27 [1.46-3.52]	8.78E-05	3.56 [1.89-6.72]
rs2534804	30594435	G	0.07	0.06	5.58E-08	2.49 [1.79-3.45]	0.964	0.99 [0.64-1.54]	0.884	1.03 [0.67-1.60]	1.45E-07	3.25 [2.10-5.04]	1.53E-02	1.93 [1.13-3.27]
rs1611149	29897978	T	0.06	0.06	5.63E-08	0.36 [0.25-0.52]	0.815	1.06 [0.65-1.73]	0.765	1.08 [0.66-1.77]	1.19E-06	3.33 [2.05-5.42]	8.21E-03	2.13 [1.22-3.72]
rs1632948	29902028	G	0.06	0.06	5.63E-08	0.36 [0.25-0.52]	0.815	1.06 [0.65-1.73]	0.765	1.08 [0.66-1.77]	1.19E-06	3.33 [2.05-5.42]	8.21E-03	2.13 [1.22-3.72]
rs3097657	33114230	C	0.07	0.07	5.66E-08	3.79 [2.34-6.13]	0.794	1.08 [0.60-1.95]	0.706	1.12 [0.62-2.02]	1.51E-04	3.00 [1.70-5.28]	3.36E-06	10.37 [3.87-27.80]
rs1150771	30492488	G	0.12	0.11	5.81E-08	2.47 [1.78-3.43]	0.150	0.70 [0.44-1.14]	0.216	0.74 [0.46-1.19]	6.71E-06	2.66 [1.74-4.07]	3.42E-03	2.27 [1.31-3.94]
rs2523857	31129483	A	0.04	0.04	6.06E-08	2.53 [1.81-3.53]	0.433	1.19 [0.77-1.84]	0.468	1.18 [0.76-1.82]	2.10E-05	2.58 [1.67-3.99]	1.84E-04	2.93 [1.67-5.16]
rs1265093	31215166	T	0.05	0.05	6.12E-08	2.47 [1.78-3.42]	0.236	1.29 [0.85-1.96]	0.283	1.26 [0.83-1.92]	4.19E-04	2.14 [1.40-3.26]	1.88E-05	3.26 [1.90-5.60]
rs3132612	30647417	C	0.07	0.06	6.20E-08	2.48 [1.79-3.45]	0.924	0.98 [0.63-1.52]	0.962	1.01 [0.65-1.57]	1.44E-07	3.26 [2.10-5.07]	1.78E-02	1.90 [1.12-3.23]
rs2245514	30540434	C	0.12	0.11	6.21E-08	2.48 [1.78-3.44]	0.157	0.71 [0.44-1.14]	0.224	0.75 [0.47-1.20]	8.26E-06	2.63 [1.72-4.03]	3.56E-03	2.27 [1.31-3.93]
rs2523709	31558902	G	0.06	0.06	6.27E-08	2.47 [1.78-3.42]	0.935	1.02 [0.67-1.55]	0.808	1.05 [0.69-1.60]	4.96E-04	2.14 [1.39-3.28]	2.75E-05	3.13 [1.84-5.32]
rs5024432	32792446	T	0.04	0.04	6.58E-08	2.74 [1.90-3.95]	0.074	1.50 [0.96-2.34]	0.079	1.49 [0.96-2.32]	5.49E-05	2.48 [1.59-3.85]	8.64E-05	3.76 [1.94-7.27]

rs1264451	30649216	C	0.07	0.06	6.61E-08	2.48 [1.78-3.45]	0.963	0.99 [0.63-1.54]	0.885	1.03 [0.67-1.60]	1.75E-07	3.24 [2.08-5.03]	1.51E-02	1.93 [1.14-3.27]
rs7774434	32765556	C	0.02	0.02	6.63E-08	2.55 [1.82-3.59]	0.004	1.82 [1.21-2.73]	0.003	1.85 [1.23-2.78]	3.40E-06	2.94 [1.87-4.64]	5.55E-03	2.12 [1.25-3.62]
AA_DRB1_37_32660037_FL	32660037	P	0.06	0.06	6.91E-08	2.61 [1.84-3.69]	0.385	1.22 [0.78-1.89]	0.419	1.20 [0.77-1.87]	1.48E-05	2.74 [1.74-4.32]	8.12E-04	2.68 [1.51-4.78]
rs1632942	29904619	G	0.06	0.06	7.04E-08	0.37 [0.25-0.53]	0.791	1.07 [0.65-1.75]	0.743	1.09 [0.66-1.78]	1.54E-06	3.28 [2.02-5.32]	8.21E-03	2.13 [1.22-3.72]
AA_DRB1_30_32660058_LR	32660058	P	0.06	0.06	7.08E-08	2.65 [1.86-3.78]	0.342	1.24 [0.80-1.92]	0.370	1.22 [0.79-1.90]	1.65E-05	2.67 [1.71-4.17]	1.09E-03	2.72 [1.49-4.97]
rs1737076	29833300	C	0.06	0.07	7.15E-08	2.69 [1.88-3.85]	0.718	1.09 [0.70-1.69]	0.795	1.06 [0.68-1.65]	2.15E-04	0.42 [0.27-0.67]	6.10E-05	0.29 [0.16-0.53]
rs1737078	29832918	A	0.06	0.07	7.15E-08	2.69 [1.88-3.85]	0.718	1.09 [0.70-1.69]	0.795	1.06 [0.68-1.65]	2.15E-04	0.42 [0.27-0.67]	6.10E-05	0.29 [0.16-0.53]
rs2857107	32893493	A	0.04	0.04	7.49E-08	2.71 [1.88-3.90]	0.042	1.61 [1.02-2.53]	0.039	1.61 [1.03-2.54]	4.27E-04	2.21 [1.42-3.44]	5.96E-06	4.27 [2.28-7.99]
AA_DQB1_46_32740699	32740699	E	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_47_32740696	32740696	F	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_52_32740681	32740681	L	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_55_32740672_L	32740672	P	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_71_32740624_K	32740624	P	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740623	32740623	T	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740672_A	32740672	P	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740681	32740681	A	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740696	32740696	A	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740699	32740699	T	0.04	0.04	7.53E-08	2.48 [1.78-3.45]	0.044	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.60E-05	2.41 [1.58-3.68]	4.11E-04	2.74 [1.57-4.80]
SNP_B_31432622	31432622	G	0.05	0.04	7.61E-08	0.37 [0.26-0.53]	0.163	0.73 [0.47-1.14]	0.104	0.69 [0.45-1.08]	1.02E-03	0.47 [0.30-0.74]	3.05E-05	0.26 [0.14-0.49]
AA_DQB1_74_32740615_A	32740615	P	0.04	0.04	7.68E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.71E-05	2.41 [1.58-3.67]	4.11E-04	2.74 [1.57-4.80]
HLA_DQB1_02	32739039	P	0.04	0.04	7.68E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.71E-05	2.41 [1.58-3.67]	4.11E-04	2.74 [1.57-4.80]
AA_C_156_31346909_WQ	31346909	P	0.09	0.09	7.92E-08	2.48 [1.78-3.46]	0.455	0.84 [0.54-1.32]	0.519	0.87 [0.56-1.34]	1.87E-04	2.21 [1.46-3.36]	1.44E-04	3.04 [1.71-5.39]

SNP_DRB1_32660037_A	32660037	P	0.06	0.06	7.94E-08	2.59 [1.83-3.67]	0.386	1.22 [0.78-1.89]	0.421	1.20 [0.77-1.87]	1.73E-05	2.71 [1.72-4.28]	8.12E-04	2.68 [1.51-4.78]
SNP_DQB1_32737205	32737205	T	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.94E-05	2.40 [1.57-3.67]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_10_32742295_S	32742295	P	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_28_32740753	32740753	S	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_30_32740747_S	32740747	P	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
AA_DQB1_37_32740726_I	32740726	P	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
rs3891175	32742445	A	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740726	32740726	A	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740727_T	32740727	P	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740747	32740747	C	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740748_T	32740748	P	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740753	32740753	C	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32740773_T	32740773	P	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
SNP_DQB1_32742296_A	32742296	P	0.04	0.04	7.98E-08	2.48 [1.78-3.45]	0.045	1.50 [1.01-2.24]	0.047	1.50 [1.01-2.23]	4.88E-05	2.40 [1.57-3.66]	4.11E-04	2.74 [1.57-4.80]
rs929138	31611677	G	0.07	0.07	8.00E-08	2.51 [1.79-3.52]	0.973	0.99 [0.65-1.53]	0.947	1.02 [0.66-1.56]	5.86E-04	2.10 [1.37-3.19]	3.13E-05	3.30 [1.88-5.78]
AA_DQB1_71_32740624_KD	32740624	P	0.04	0.04	8.25E-08	2.49 [1.78-3.47]	0.053	1.48 [1.00-2.19]	0.053	1.48 [1.00-2.19]	1.76E-05	2.54 [1.66-3.89]	8.78E-04	2.62 [1.49-4.62]
SNP_DQB1_32740624	32740624	T	0.04	0.04	8.25E-08	2.49 [1.78-3.47]	0.053	1.48 [1.00-2.19]	0.053	1.48 [1.00-2.19]	1.76E-05	2.54 [1.66-3.89]	8.78E-04	2.62 [1.49-4.62]
SNP_A_30020647	30020647	T	0.04	0.04	8.33E-08	0.31 [0.20-0.47]	0.083	0.63 [0.38-1.06]	0.089	0.64 [0.38-1.07]	1.60E-04	0.34 [0.19-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_DQB1_32740773_C	32740773	A	0.04	0.04	8.36E-08	2.49 [1.78-3.47]	0.048	1.49 [1.00-2.22]	0.048	1.49 [1.00-2.22]	1.96E-05	2.53 [1.65-3.87]	8.63E-04	2.63 [1.49-4.63]
rs2508037	30026415	A	0.04	0.04	8.53E-08	0.31 [0.20-0.47]	0.084	0.63 [0.38-1.06]	0.089	0.64 [0.38-1.07]	1.62E-04	0.34 [0.19-0.60]	2.95E-04	0.28 [0.14-0.55]
rs376646	30022356	T	0.04	0.04	8.53E-08	0.31 [0.20-0.47]	0.084	0.63 [0.38-1.06]	0.089	0.64 [0.38-1.07]	1.62E-04	0.34 [0.19-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30021150	30021150	G	0.04	0.04	8.53E-08	0.31 [0.20-0.47]	0.084	0.63 [0.38-1.06]	0.089	0.64 [0.38-1.07]	1.62E-04	0.34 [0.19-0.60]	2.95E-04	0.28 [0.14-0.55]

SNP_A_30021170	30021170	T	0.04	0.04	8.53E-08	0.31 [0.20-0.47]	0.084	0.63 [0.38-1.06]	0.089	0.64 [0.38-1.07]	1.62E-04	0.34 [0.19-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30021171	30021171	G	0.04	0.04	8.53E-08	0.31 [0.20-0.47]	0.084	0.63 [0.38-1.06]	0.089	0.64 [0.38-1.07]	1.62E-04	0.34 [0.19-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_DQB1_32740731	32740731	T	0.04	0.04	8.66E-08	2.47 [1.77-3.44]	0.050	1.49 [1.00-2.21]	0.052	1.48 [1.00-2.20]	5.01E-05	2.40 [1.57-3.66]	4.19E-04	2.73 [1.56-4.78]
AA_B_116_31432123_YS	31432123	A	0.06	0.06	8.77E-08	2.50 [1.79-3.49]	0.576	1.13 [0.73-1.76]	0.456	1.18 [0.76-1.82]	7.81E-05	2.44 [1.57-3.79]	1.13E-03	2.39 [1.41-4.03]
AA_B_116_31432123_YSx	31432123	A	0.06	0.06	8.77E-08	2.50 [1.79-3.49]	0.576	1.13 [0.73-1.76]	0.456	1.18 [0.76-1.82]	7.81E-05	2.44 [1.57-3.79]	1.13E-03	2.39 [1.41-4.03]
AA_DRB1_74_32659926_QL	32659926	P	0.06	0.06	9.00E-08	2.61 [1.84-3.71]	0.466	1.18 [0.76-1.81]	0.473	1.17 [0.76-1.81]	6.97E-06	2.79 [1.78-4.37]	2.12E-03	2.58 [1.41-4.72]
AA_DRB1_13_32660109_YG	32660109	P	0.06	0.06	9.00E-08	2.55 [1.81-3.59]	0.426	1.19 [0.78-1.81]	0.457	1.18 [0.77-1.80]	7.42E-06	2.74 [1.76-4.26]	1.73E-03	2.56 [1.42-4.60]
AA_DRB1_30_32660058_LH	32660058	P	0.07	0.07	9.24E-08	2.64 [1.85-3.76]	0.496	1.17 [0.75-1.82]	0.537	1.15 [0.74-1.79]	2.13E-05	2.69 [1.70-4.24]	9.42E-04	2.77 [1.52-5.07]
AA_A_321_30020836_T	30020836	P	0.04	0.04	9.43E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.84E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
rs417162	30024484	G	0.04	0.04	9.43E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.84E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30020831	30020831	T	0.04	0.04	9.43E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.84E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30020835	30020835	A	0.04	0.04	9.43E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.84E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30020347	30020347	C	0.04	0.04	9.54E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.090	0.64 [0.38-1.07]	1.80E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
AA_A_97_30019042_I	30019042	P	0.04	0.04	9.56E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.092	0.64 [0.38-1.08]	1.86E-04	0.34 [0.20-0.60]	2.89E-04	0.28 [0.14-0.55]
AA_A_97_30019042_IK	30019042	P	0.04	0.04	9.56E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.092	0.64 [0.38-1.08]	1.86E-04	0.34 [0.20-0.60]	2.89E-04	0.28 [0.14-0.55]
SNP_A_30019043	30019043	A	0.04	0.04	9.56E-08	0.31 [0.20-0.47]	0.084	0.64 [0.38-1.06]	0.092	0.64 [0.38-1.08]	1.86E-04	0.34 [0.20-0.60]	2.89E-04	0.28 [0.14-0.55]
SNP_A_30018436	30018436	T	0.04	0.04	9.97E-08	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.89E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30018457	30018457	G	0.04	0.04	9.97E-08	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.89E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30018461_G	30018461	P	0.04	0.04	9.97E-08	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.89E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30018487	30018487	A	0.04	0.04	9.97E-08	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.89E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30018501	30018501	G	0.04	0.04	9.97E-08	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.89E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30019517	30019517	G	0.04	0.04	9.97E-08	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.89E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]

SNP_A_30019706	30019706	T	0.04	0.04	9.97E-08	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.89E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
AA_A_276_30020259_L	30020259	P	0.04	0.04	1.00E-07	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.91E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
SNP_A_30020259	30020259	T	0.04	0.04	1.00E-07	0.31 [0.20-0.47]	0.085	0.64 [0.38-1.06]	0.093	0.64 [0.38-1.08]	1.91E-04	0.34 [0.20-0.60]	2.95E-04	0.28 [0.14-0.55]
rs3131784	31011927	G	0.04	0.04	1.02E-07	0.36 [0.24-0.52]	0.060	0.65 [0.42-1.02]	0.034	0.62 [0.40-0.96]	3.61E-04	0.41 [0.25-0.67]	1.64E-04	0.30 [0.16-0.56]
rs414564	33112895	C	0.07	0.06	1.04E-07	3.02 [2.01-4.53]	0.679	1.11 [0.67-1.83]	0.700	1.10 [0.67-1.83]	4.42E-04	2.45 [1.49-4.04]	6.30E-06	6.00 [2.76-13.06]
rs448733	33111665	T	0.07	0.06	1.04E-07	3.02 [2.01-4.53]	0.679	1.11 [0.67-1.83]	0.700	1.10 [0.67-1.83]	4.42E-04	2.45 [1.49-4.04]	6.30E-06	6.00 [2.76-13.06]
rs3134931	32298598	G	0.03	0.03	1.07E-07	2.43 [1.75-3.38]	0.026	1.55 [1.05-2.27]	0.025	1.55 [1.06-2.28]	4.49E-04	2.13 [1.40-3.26]	1.02E-04	2.87 [1.69-4.88]
rs1078792	30527599	T	0.11	0.11	1.11E-07	2.44 [1.76-3.40]	0.154	0.71 [0.44-1.14]	0.219	0.74 [0.47-1.19]	1.39E-05	2.59 [1.68-3.97]	3.56E-03	2.27 [1.31-3.93]
rs1264512	30521680	A	0.11	0.11	1.11E-07	2.44 [1.76-3.40]	0.154	0.71 [0.44-1.14]	0.219	0.74 [0.47-1.19]	1.39E-05	2.59 [1.68-3.97]	3.56E-03	2.27 [1.31-3.93]
AA_DQB1_57_32740666_AV	32740666	A	0.01	0.01	1.12E-07	0.37 [0.25-0.53]	0.000	0.45 [0.29-0.69]	0.000	0.44 [0.28-0.68]	1.38E-05	0.33 [0.20-0.55]	3.58E-03	0.43 [0.24-0.76]
SNP_DQB1_32740666_GA	32740666	A	0.01	0.01	1.12E-07	0.37 [0.25-0.53]	0.000	0.45 [0.29-0.69]	0.000	0.44 [0.28-0.68]	1.38E-05	0.33 [0.20-0.55]	3.58E-03	0.43 [0.24-0.76]
AA_DQB1_71_32740624_T	32740624	A	0.02	0.02	1.19E-07	2.56 [1.81-3.62]	0.004	1.80 [1.20-2.70]	0.004	1.82 [1.21-2.72]	2.85E-06	3.10 [1.93-4.98]	1.16E-02	2.01 [1.17-3.44]
AA_DQB1_74_32740615_E	32740615	A	0.02	0.02	1.19E-07	2.56 [1.81-3.62]	0.004	1.80 [1.20-2.70]	0.004	1.82 [1.21-2.72]	2.85E-06	3.10 [1.93-4.98]	1.16E-02	2.01 [1.17-3.44]
AA_DQB1_75_32740612	32740612	V	0.02	0.02	1.19E-07	2.56 [1.81-3.62]	0.004	1.80 [1.20-2.70]	0.004	1.82 [1.21-2.72]	2.85E-06	3.10 [1.93-4.98]	1.16E-02	2.01 [1.17-3.44]
SNP_DQB1_32740613	32740613	C	0.02	0.02	1.19E-07	2.56 [1.81-3.62]	0.004	1.80 [1.20-2.70]	0.004	1.82 [1.21-2.72]	2.85E-06	3.10 [1.93-4.98]	1.16E-02	2.01 [1.17-3.44]
SNP_DQB1_32740615	32740615	G	0.02	0.02	1.19E-07	2.56 [1.81-3.62]	0.004	1.80 [1.20-2.70]	0.004	1.82 [1.21-2.72]	2.85E-06	3.10 [1.93-4.98]	1.16E-02	2.01 [1.17-3.44]
AA_B_116_31432123_DL	31432123	P	0.07	0.07	1.27E-07	2.41 [1.74-3.34]	0.846	0.96 [0.61-1.51]	0.966	0.99 [0.63-1.56]	2.74E-04	2.17 [1.43-3.28]	8.52E-05	2.91 [1.71-4.96]
AA_B_116_31432123_YFS	31432123	A	0.07	0.07	1.27E-07	2.41 [1.74-3.34]	0.846	0.96 [0.61-1.51]	0.966	0.99 [0.63-1.56]	2.74E-04	2.17 [1.43-3.28]	8.52E-05	2.91 [1.71-4.96]
rs1265109	31227568	A	0.06	0.06	1.29E-07	2.36 [1.71-3.24]	0.427	1.18 [0.78-1.80]	0.527	1.15 [0.75-1.74]	8.15E-04	2.02 [1.34-3.04]	2.11E-05	3.06 [1.83-5.11]
AA_DRB1_78_32659914	32659914	V	0.06	0.06	1.32E-07	2.62 [1.83-3.74]	0.526	1.16 [0.74-1.82]	0.559	1.15 [0.73-1.80]	3.79E-05	2.62 [1.66-4.15]	6.89E-04	2.83 [1.55-5.15]
SNP_DRB1_32657370	32657370	T	0.06	0.06	1.32E-07	2.62 [1.83-3.74]	0.526	1.16 [0.74-1.82]	0.559	1.15 [0.73-1.80]	3.79E-05	2.62 [1.66-4.15]	6.89E-04	2.83 [1.55-5.15]
SNP_DRB1_32657559	32657559	A	0.06	0.06	1.32E-07	2.62 [1.83-3.74]	0.526	1.16 [0.74-1.82]	0.559	1.15 [0.73-1.80]	3.79E-05	2.62 [1.66-4.15]	6.89E-04	2.83 [1.55-5.15]

SNP_DRB1_32657565	32657565	G	0.06	0.06	1.32E-07	2.62 [1.83-3.74]	0.526	1.16 [0.74-1.82]	0.559	1.15 [0.73-1.80]	3.79E-05	2.62 [1.66-4.15]	6.89E-04	2.83 [1.55-5.15]
SNP_DRB1_32659913_C	32659913	P	0.06	0.06	1.32E-07	2.62 [1.83-3.74]	0.526	1.16 [0.74-1.82]	0.559	1.15 [0.73-1.80]	3.79E-05	2.62 [1.66-4.15]	6.89E-04	2.83 [1.55-5.15]
SNP_DRB1_32659914	32659914	A	0.06	0.06	1.32E-07	2.62 [1.83-3.74]	0.526	1.16 [0.74-1.82]	0.559	1.15 [0.73-1.80]	3.79E-05	2.62 [1.66-4.15]	6.89E-04	2.83 [1.55-5.15]
SNP_DRB1_32659915	32659915	C	0.06	0.06	1.32E-07	2.62 [1.83-3.74]	0.526	1.16 [0.74-1.82]	0.559	1.15 [0.73-1.80]	3.79E-05	2.62 [1.66-4.15]	6.89E-04	2.83 [1.55-5.15]
AA_A_321_30020836_S	30020836	A	0.04	0.04	1.37E-07	0.32 [0.21-0.49]	0.112	0.66 [0.40-1.10]	0.123	0.67 [0.40-1.12]	2.36E-04	0.36 [0.21-0.62]	3.01E-04	0.28 [0.14-0.56]
rs2523535	31444229	C	0.04	0.04	1.38E-07	2.39 [1.73-3.31]	0.240	1.28 [0.85-1.91]	0.169	1.33 [0.89-1.99]	1.29E-03	1.98 [1.31-3.00]	6.32E-06	3.68 [2.09-6.48]
AA_A_276_30020259_P	30020259	A	0.04	0.04	1.39E-07	0.32 [0.21-0.49]	0.112	0.66 [0.40-1.10]	0.123	0.67 [0.40-1.12]	2.32E-04	0.36 [0.21-0.62]	3.01E-04	0.28 [0.14-0.56]
rs732229	30652920	C	0.07	0.06	1.39E-07	2.42 [1.74-3.35]	0.873	0.96 [0.62-1.50]	0.970	1.01 [0.65-1.56]	3.14E-07	3.13 [2.02-4.85]	2.19E-02	1.85 [1.09-3.14]
rs1264437	30661850	G	0.07	0.06	1.40E-07	2.41 [1.74-3.35]	0.875	0.96 [0.62-1.50]	0.969	1.01 [0.65-1.56]	3.31E-07	3.12 [2.02-4.83]	2.17E-02	1.85 [1.09-3.14]
rs1264432	30670000	C	0.07	0.06	1.41E-07	2.41 [1.74-3.35]	0.873	0.96 [0.62-1.50]	0.971	1.01 [0.65-1.56]	3.17E-07	3.13 [2.02-4.85]	2.19E-02	1.85 [1.09-3.14]
rs364950	33083873	G	0.06	0.06	1.41E-07	3.54 [2.21-5.66]	0.538	1.20 [0.68-2.11]	0.461	1.24 [0.70-2.18]	1.31E-04	2.92 [1.69-5.06]	9.06E-06	8.86 [3.38-23.23]
rs404557	33084905	G	0.06	0.06	1.41E-07	3.54 [2.21-5.66]	0.538	1.20 [0.68-2.11]	0.461	1.24 [0.70-2.18]	1.31E-04	2.92 [1.69-5.06]	9.06E-06	8.86 [3.38-23.23]
rs3117292	29760178	G	0.09	0.09	1.43E-07	2.48 [1.77-3.48]	0.258	0.74 [0.44-1.24]	0.417	0.81 [0.50-1.34]	1.71E-04	2.36 [1.51-3.69]	8.12E-04	2.46 [1.45-4.17]
rs1264539	30496680	G	0.11	0.11	1.45E-07	2.42 [1.74-3.36]	0.152	0.70 [0.44-1.14]	0.218	0.74 [0.47-1.19]	1.74E-05	2.55 [1.66-3.91]	3.56E-03	2.27 [1.31-3.93]
SNP_DRB1_32660115_GA	32660115	A	0.06	0.06	1.49E-07	2.60 [1.82-3.72]	0.526	1.16 [0.74-1.82]	0.560	1.15 [0.73-1.80]	4.28E-05	2.60 [1.64-4.10]	6.89E-04	2.83 [1.55-5.15]
AA_DRB1_11_32660115_GD	32660115	P	0.06	0.06	1.54E-07	2.60 [1.82-3.71]	0.527	1.16 [0.74-1.82]	0.561	1.15 [0.73-1.80]	4.28E-05	2.60 [1.64-4.10]	7.10E-04	2.82 [1.55-5.14]
AA_DRB1_30_32660058_LG	32660058	P	0.06	0.06	1.54E-07	2.60 [1.82-3.71]	0.527	1.16 [0.74-1.82]	0.561	1.15 [0.73-1.80]	4.28E-05	2.60 [1.64-4.10]	7.10E-04	2.82 [1.55-5.14]
AA_DRB1_4_32665400_Q	32665400	P	0.06	0.06	1.54E-07	2.60 [1.82-3.71]	0.527	1.16 [0.74-1.82]	0.561	1.15 [0.73-1.80]	4.28E-05	2.60 [1.64-4.10]	7.10E-04	2.82 [1.55-5.14]
SNP_DRB1_32665400	32665400	T	0.06	0.06	1.54E-07	2.60 [1.82-3.71]	0.527	1.16 [0.74-1.82]	0.561	1.15 [0.73-1.80]	4.28E-05	2.60 [1.64-4.10]	7.10E-04	2.82 [1.55-5.14]
rs2735054	29808594	C	0.06	0.06	1.57E-07	0.35 [0.23-0.51]	0.397	0.81 [0.49-1.33]	0.446	0.82 [0.50-1.36]	3.63E-05	0.30 [0.17-0.53]	3.03E-03	0.42 [0.24-0.74]
rs2523399	29808058	G	0.06	0.06	1.60E-07	0.35 [0.23-0.51]	0.398	0.81 [0.49-1.33]	0.447	0.82 [0.50-1.36]	3.63E-05	0.30 [0.17-0.53]	3.05E-03	0.42 [0.24-0.75]
rs2523400	29807763	G	0.06	0.06	1.60E-07	0.35 [0.23-0.51]	0.398	0.81 [0.49-1.33]	0.447	0.82 [0.50-1.36]	3.63E-05	0.30 [0.17-0.53]	3.05E-03	0.42 [0.24-0.75]

AA_DRB1_181_32657335_T	32657335	A	0.05	0.05	1.63E-07	2.53 [1.79-3.59]	0.402	1.20 [0.78-1.85]	0.432	1.19 [0.77-1.83]	7.31E-06	2.76 [1.77-4.31]	3.48E-03	2.41 [1.34-4.36]
AA_DRB1_4_32665400_R	32665400	A	0.06	0.06	1.64E-07	2.59 [1.82-3.70]	0.529	1.16 [0.73-1.82]	0.563	1.14 [0.73-1.80]	4.47E-05	2.59 [1.64-4.10]	7.21E-04	2.82 [1.55-5.13]
rs7762253	29784802	C	0.07	0.06	1.68E-07	0.39 [0.27-0.55]	0.755	0.93 [0.57-1.50]	0.509	0.86 [0.54-1.36]	1.80E-04	0.41 [0.26-0.65]	4.08E-04	0.36 [0.21-0.64]
rs9268838	32536693	A	0.03	0.03	1.82E-07	2.38 [1.72-3.30]	0.052	1.51 [1.00-2.30]	0.046	1.53 [1.01-2.32]	2.42E-04	2.17 [1.43-3.28]	2.36E-04	2.74 [1.60-4.70]
rs2532925	31007142	C	0.07	0.07	1.90E-07	2.45 [1.75-3.44]	0.439	1.19 [0.77-1.85]	0.474	1.18 [0.76-1.83]	9.35E-05	2.34 [1.53-3.57]	5.85E-04	2.69 [1.53-4.73]
AA_DPB1_33_33156511	33156511	Q	0.07	0.07	1.91E-07	3.76 [2.28-6.18]	0.836	1.07 [0.58-1.95]	0.742	1.11 [0.61-2.02]	8.62E-04	2.81 [1.53-5.15]	5.55E-07	11.06 [4.32-28.34]
AA_DPB1_69_33156619_R	33156619	P	0.07	0.07	1.91E-07	3.76 [2.28-6.18]	0.836	1.07 [0.58-1.95]	0.742	1.11 [0.61-2.02]	8.62E-04	2.81 [1.53-5.15]	5.55E-07	11.06 [4.32-28.34]
SNP_DPB1_33156510	33156510	C	0.07	0.07	1.91E-07	3.76 [2.28-6.18]	0.836	1.07 [0.58-1.95]	0.742	1.11 [0.61-2.02]	8.62E-04	2.81 [1.53-5.15]	5.55E-07	11.06 [4.32-28.34]
SNP_DPB1_33156619	33156619	G	0.07	0.07	1.91E-07	3.76 [2.28-6.18]	0.836	1.07 [0.58-1.95]	0.742	1.11 [0.61-2.02]	8.62E-04	2.81 [1.53-5.15]	5.55E-07	11.06 [4.32-28.34]
rs2253588	31007356	G	0.07	0.07	1.93E-07	2.45 [1.75-3.44]	0.440	1.19 [0.77-1.85]	0.474	1.18 [0.76-1.83]	9.59E-05	2.33 [1.52-3.57]	5.85E-04	2.69 [1.53-4.73]
AA_DQB1_71_32740624_KA	32740624	P	0.02	0.02	1.98E-07	2.45 [1.75-3.44]	0.004	1.78 [1.20-2.65]	0.004	1.79 [1.21-2.66]	1.00E-05	2.77 [1.76-4.35]	8.07E-03	2.05 [1.21-3.49]
AA_DRB1_30_32660058_YCG	32660058	A	0.06	0.06	1.99E-07	2.52 [1.78-3.58]	0.408	1.20 [0.78-1.84]	0.455	1.18 [0.77-1.82]	2.40E-05	2.61 [1.67-4.07]	2.14E-03	2.51 [1.40-4.52]
SNP_DRB1_32660059_G	32660059	P	0.06	0.06	2.10E-07	2.51 [1.78-3.56]	0.409	1.20 [0.78-1.84]	0.456	1.18 [0.77-1.82]	2.40E-05	2.61 [1.67-4.07]	2.24E-03	2.49 [1.39-4.46]
AA_DQB1_77_32740606	32740606	R	0.02	0.02	2.11E-07	2.45 [1.75-3.43]	0.005	1.76 [1.19-2.61]	0.004	1.77 [1.19-2.62]	1.03E-05	2.77 [1.76-4.35]	8.14E-03	2.05 [1.20-3.48]
SNP_DQB1_32740606	32740606	C	0.02	0.02	2.11E-07	2.45 [1.75-3.43]	0.005	1.76 [1.19-2.61]	0.004	1.77 [1.19-2.62]	1.03E-05	2.77 [1.76-4.35]	8.14E-03	2.05 [1.20-3.48]
rs9268835	32536093	A	0.03	0.03	2.23E-07	2.36 [1.71-3.27]	0.052	1.51 [1.00-2.30]	0.046	1.53 [1.01-2.32]	2.72E-04	2.15 [1.42-3.25]	2.41E-04	2.74 [1.60-4.69]
rs3823363	30051694	C	0.07	0.07	2.24E-07	0.38 [0.27-0.55]	0.757	1.08 [0.67-1.75]	0.661	1.12 [0.69-1.81]	5.79E-04	0.44 [0.28-0.70]	1.67E-04	0.32 [0.17-0.58]
rs1894411	32900951	G	0.04	0.04	2.33E-07	2.60 [1.81-3.73]	0.078	1.51 [0.95-2.38]	0.073	1.52 [0.96-2.39]	9.67E-04	2.11 [1.35-3.29]	5.71E-06	4.21 [2.26-7.84]
SNP_DPB1_33156542	33156542	A	0.07	0.07	2.34E-07	3.72 [2.26-6.13]	0.838	1.07 [0.58-1.95]	0.744	1.11 [0.60-2.02]	1.15E-03	2.74 [1.49-5.04]	5.55E-07	11.06 [4.32-28.34]
rs2860580	30014670	T	0.05	0.05	2.50E-07	0.35 [0.24-0.52]	0.449	0.83 [0.50-1.35]	0.496	0.84 [0.51-1.38]	3.28E-04	0.39 [0.23-0.65]	4.68E-04	0.32 [0.17-0.61]
AA_DRB1_181_32657335_M	32657335	P	0.06	0.06	2.72E-07	2.52 [1.77-3.58]	0.434	1.19 [0.77-1.85]	0.474	1.18 [0.76-1.83]	4.15E-05	2.55 [1.63-4.00]	1.56E-03	2.59 [1.44-4.67]
SNP_DRB1_32657335	32657335	A	0.06	0.06	2.72E-07	2.52 [1.77-3.58]	0.434	1.19 [0.77-1.85]	0.474	1.18 [0.76-1.83]	4.15E-05	2.55 [1.63-4.00]	1.56E-03	2.59 [1.44-4.67]

rs3998799	29798673	G	0.06	0.06	2.75E-07	2.43 [1.73-3.41]	0.707	1.09 [0.69-1.72]	0.521	1.16 [0.74-1.81]	3.10E-04	2.25 [1.45-3.50]	5.23E-04	2.60 [1.52-4.45]
rs1362126	29798998	T	0.06	0.06	2.85E-07	2.43 [1.73-3.40]	0.750	1.08 [0.68-1.70]	0.558	1.14 [0.73-1.79]	3.21E-04	2.24 [1.45-3.49]	5.19E-04	2.60 [1.52-4.45]
AA_DRB1_57_32659977_DS	32659977	A	0.05	0.05	2.90E-07	2.45 [1.74-3.46]	0.487	1.17 [0.75-1.81]	0.534	1.15 [0.74-1.79]	4.14E-05	2.59 [1.64-4.09]	1.31E-03	2.48 [1.43-4.31]
AA_DRB1_60_32659968_Y	32659968	A	0.05	0.05	2.90E-07	2.45 [1.74-3.46]	0.487	1.17 [0.75-1.81]	0.534	1.15 [0.74-1.79]	4.14E-05	2.59 [1.64-4.09]	1.31E-03	2.48 [1.43-4.31]
SNP_DRB1_32659977_TC	32659977	A	0.05	0.05	2.90E-07	2.45 [1.74-3.46]	0.487	1.17 [0.75-1.81]	0.534	1.15 [0.74-1.79]	4.14E-05	2.59 [1.64-4.09]	1.31E-03	2.48 [1.43-4.31]
rs3129301	33098038	A	0.07	0.07	2.91E-07	3.57 [2.20-5.81]	0.994	1.00 [0.55-1.83]	0.901	1.04 [0.57-1.89]	5.72E-04	2.76 [1.55-4.93]	3.36E-06	10.37 [3.87-27.80]
rs3132671	30286266	A	0.05	0.05	2.96E-07	2.43 [1.73-3.41]	0.950	0.99 [0.64-1.51]	0.878	0.97 [0.63-1.48]	1.86E-04	2.27 [1.48-3.50]	5.25E-04	2.76 [1.55-4.89]
rs3132576	30941095	C	0.05	0.05	2.99E-07	2.43 [1.73-3.42]	0.196	1.34 [0.86-2.10]	0.205	1.33 [0.85-2.08]	2.73E-06	3.00 [1.90-4.74]	3.12E-02	1.82 [1.06-3.14]
AA_DQB1_66_32740639	32740639	D	0.03	0.03	3.01E-07	2.39 [1.71-3.34]	0.070	1.44 [0.97-2.13]	0.072	1.43 [0.97-2.12]	5.61E-05	2.41 [1.57-3.69]	1.11E-03	2.56 [1.46-4.50]
AA_DQB1_67_32740636	32740636	I	0.03	0.03	3.01E-07	2.39 [1.71-3.34]	0.070	1.44 [0.97-2.13]	0.072	1.43 [0.97-2.12]	5.61E-05	2.41 [1.57-3.69]	1.11E-03	2.56 [1.46-4.50]
SNP_DQB1_32740637	32740637	T	0.03	0.03	3.01E-07	2.39 [1.71-3.34]	0.070	1.44 [0.97-2.13]	0.072	1.43 [0.97-2.12]	5.61E-05	2.41 [1.57-3.69]	1.11E-03	2.56 [1.46-4.50]
SNP_DQB1_32740638	32740638	G	0.03	0.03	3.01E-07	2.39 [1.71-3.34]	0.070	1.44 [0.97-2.13]	0.072	1.43 [0.97-2.12]	5.61E-05	2.41 [1.57-3.69]	1.11E-03	2.56 [1.46-4.50]
rs3104398	32793663	A	0.04	0.04	3.02E-07	2.57 [1.79-3.69]	0.091	1.47 [0.94-2.29]	0.098	1.45 [0.93-2.27]	1.05E-03	2.11 [1.35-3.30]	5.50E-06	4.31 [2.30-8.09]
AA_DRB1_30_32660058_YCH	32660058	A	0.06	0.06	3.04E-07	2.50 [1.76-3.56]	0.435	1.19 [0.77-1.85]	0.475	1.17 [0.76-1.83]	4.64E-05	2.53 [1.62-3.96]	1.56E-03	2.59 [1.44-4.67]
AA_DQB1_37_32740726_Y	32740726	A	0.03	0.04	3.14E-07	2.37 [1.71-3.31]	0.060	1.46 [0.98-2.17]	0.065	1.45 [0.98-2.15]	1.54E-04	2.27 [1.49-3.47]	5.34E-04	2.68 [1.53-4.67]
SNP_DQB1_32740727_A	32740727	A	0.03	0.04	3.14E-07	2.37 [1.71-3.31]	0.060	1.46 [0.98-2.17]	0.065	1.45 [0.98-2.15]	1.54E-04	2.27 [1.49-3.47]	5.34E-04	2.68 [1.53-4.67]
rs1264420	30683582	T	0.08	0.07	3.16E-07	2.34 [1.69-3.23]	0.345	0.81 [0.52-1.26]	0.491	0.86 [0.55-1.33]	2.94E-05	2.47 [1.62-3.78]	4.24E-03	2.11 [1.26-3.51]
rs757257	30250437	T	0.05	0.05	3.29E-07	2.41 [1.72-3.38]	0.927	0.98 [0.64-1.50]	0.874	0.97 [0.63-1.48]	2.25E-04	2.24 [1.46-3.44]	4.52E-04	2.79 [1.57-4.94]
rs2248372	31554445	A	0.05	0.05	3.30E-07	2.33 [1.68-3.22]	0.747	1.07 [0.71-1.61]	0.630	1.10 [0.74-1.66]	6.97E-03	1.79 [1.17-2.73]	6.29E-06	3.39 [2.00-5.76]
AA_DRB1_57_32659977_V	32659977	P	0.06	0.06	3.36E-07	2.49 [1.75-3.53]	0.610	1.12 [0.72-1.75]	0.663	1.10 [0.71-1.72]	5.04E-05	2.56 [1.63-4.03]	1.34E-03	2.60 [1.45-4.66]
AA_DRB1_60_32659968_S	32659968	P	0.06	0.06	3.36E-07	2.49 [1.75-3.53]	0.610	1.12 [0.72-1.75]	0.663	1.10 [0.71-1.72]	5.04E-05	2.56 [1.63-4.03]	1.34E-03	2.60 [1.45-4.66]
SNP_DRB1_32659968	32659968	G	0.06	0.06	3.36E-07	2.49 [1.75-3.53]	0.610	1.12 [0.72-1.75]	0.663	1.10 [0.71-1.72]	5.04E-05	2.56 [1.63-4.03]	1.34E-03	2.60 [1.45-4.66]

SNP_DRB1_32659977_A	32659977	P	0.06	0.06	3.36E-07	2.49 [1.75-3.53]	0.610	1.12 [0.72-1.75]	0.663	1.10 [0.71-1.72]	5.04E-05	2.56 [1.63-4.03]	1.34E-03	2.60 [1.45-4.66]
SNP_A_30018979_G	30018979	A	0.07	0.07	3.37E-07	2.49 [1.75-3.53]	0.307	0.77 [0.47-1.27]	0.252	0.75 [0.45-1.23]	5.51E-04	0.45 [0.28-0.71]	3.47E-04	0.37 [0.21-0.63]
rs3132662	30323571	T	0.05	0.05	3.45E-07	2.41 [1.72-3.38]	0.914	0.98 [0.63-1.50]	0.856	0.96 [0.62-1.48]	2.80E-04	2.22 [1.44-3.41]	4.49E-04	2.80 [1.58-4.97]
rs3130654	30931054	G	0.07	0.07	3.52E-07	2.40 [1.71-3.36]	0.810	1.06 [0.67-1.67]	0.659	1.11 [0.71-1.73]	2.76E-05	2.49 [1.63-3.81]	3.15E-03	2.37 [1.34-4.21]
rs2532929	31005753	C	0.03	0.03	3.54E-07	0.33 [0.21-0.50]	0.035	0.59 [0.36-0.96]	0.031	0.58 [0.35-0.95]	9.79E-05	0.33 [0.19-0.58]	1.15E-03	0.32 [0.16-0.64]
rs2532941	31000500	C	0.07	0.06	3.69E-07	2.40 [1.71-3.36]	0.613	1.12 [0.72-1.75]	0.455	1.18 [0.76-1.83]	2.21E-04	2.22 [1.45-3.39]	5.03E-04	2.72 [1.55-4.78]
rs6457164	30263087	T	0.05	0.05	3.75E-07	2.40 [1.71-3.37]	0.950	0.99 [0.64-1.51]	0.879	0.97 [0.63-1.48]	2.56E-04	2.22 [1.45-3.41]	4.74E-04	2.78 [1.57-4.94]
rs3130383	30287005	C	0.05	0.05	3.81E-07	2.40 [1.71-3.37]	0.918	0.98 [0.64-1.50]	0.848	0.96 [0.63-1.47]	2.47E-04	2.23 [1.45-3.43]	5.42E-04	2.75 [1.55-4.87]
rs3130384	30287131	C	0.05	0.05	3.81E-07	2.40 [1.71-3.37]	0.918	0.98 [0.64-1.50]	0.848	0.96 [0.63-1.47]	2.47E-04	2.23 [1.45-3.43]	5.42E-04	2.75 [1.55-4.87]
rs2523586	31435414	C	0.05	0.05	3.84E-07	2.33 [1.68-3.23]	0.557	1.14 [0.74-1.74]	0.483	1.16 [0.76-1.78]	1.05E-04	2.33 [1.52-3.58]	6.27E-04	2.51 [1.48-4.26]
rs2516723	30329421	C	0.05	0.05	3.84E-07	2.40 [1.71-3.36]	0.898	0.97 [0.63-1.50]	0.841	0.96 [0.62-1.47]	3.03E-04	2.21 [1.44-3.39]	4.49E-04	2.80 [1.58-4.97]
rs3095354	30944090	A	0.05	0.05	3.85E-07	2.42 [1.72-3.41]	0.200	1.34 [0.86-2.09]	0.209	1.33 [0.85-2.07]	3.34E-06	2.99 [1.89-4.75]	3.36E-02	1.80 [1.05-3.10]
rs3130794	30940789	T	0.05	0.05	3.85E-07	2.42 [1.72-3.41]	0.200	1.34 [0.86-2.09]	0.209	1.33 [0.85-2.07]	3.34E-06	2.99 [1.89-4.75]	3.36E-02	1.80 [1.05-3.10]
rs3130796	30948929	C	0.05	0.05	3.85E-07	2.42 [1.72-3.41]	0.200	1.34 [0.86-2.09]	0.209	1.33 [0.85-2.07]	3.34E-06	2.99 [1.89-4.75]	3.36E-02	1.80 [1.05-3.10]
rs2844767	30330235	T	0.05	0.05	3.91E-07	2.40 [1.71-3.36]	0.898	0.97 [0.63-1.50]	0.841	0.96 [0.62-1.47]	3.07E-04	2.20 [1.44-3.39]	4.49E-04	2.80 [1.58-4.97]
rs954037	30311581	T	0.05	0.05	3.93E-07	2.40 [1.71-3.37]	0.902	0.97 [0.64-1.49]	0.851	0.96 [0.63-1.47]	2.54E-04	2.23 [1.45-3.43]	5.32E-04	2.75 [1.55-4.87]
rs5024431	32792322	A	0.02	0.02	3.95E-07	2.34 [1.69-3.26]	0.017	1.62 [1.09-2.41]	0.023	1.59 [1.06-2.36]	4.58E-05	2.41 [1.58-3.68]	1.90E-03	2.37 [1.37-4.08]
rs419434	33094727	A	0.05	0.05	4.00E-07	3.08 [1.99-4.76]	0.345	1.30 [0.76-2.22]	0.276	1.35 [0.79-2.30]	2.50E-04	2.54 [1.54-4.19]	7.96E-06	7.92 [3.20-19.65]
rs445704	33095185	G	0.05	0.05	4.00E-07	3.08 [1.99-4.76]	0.345	1.30 [0.76-2.22]	0.276	1.35 [0.79-2.30]	2.50E-04	2.54 [1.54-4.19]	7.96E-06	7.92 [3.20-19.65]
rs6936863	32792007	G	0.02	0.02	4.01E-07	2.34 [1.69-3.26]	0.017	1.62 [1.09-2.41]	0.023	1.59 [1.06-2.36]	4.71E-05	2.41 [1.58-3.67]	1.90E-03	2.37 [1.37-4.08]
rs3130389	30296178	T	0.05	0.05	4.14E-07	2.39 [1.71-3.36]	0.808	0.95 [0.62-1.45]	0.773	0.94 [0.61-1.44]	2.89E-04	2.22 [1.44-3.41]	4.47E-04	2.78 [1.57-4.93]
rs3132674	30310408	A	0.05	0.05	4.14E-07	2.39 [1.71-3.36]	0.808	0.95 [0.62-1.45]	0.773	0.94 [0.61-1.44]	2.89E-04	2.22 [1.44-3.41]	4.47E-04	2.78 [1.57-4.93]

rs916571	30309934	A	0.05	0.05	4.14E-07	2.39 [1.71-3.36]	0.808	0.95 [0.62-1.45]	0.773	0.94 [0.61-1.44]	2.89E-04	2.22 [1.44-3.41]	4.47E-04	2.78 [1.57-4.93]
rs2844509	31618903	C	0.07	0.07	4.24E-07	2.39 [1.70-3.35]	0.726	0.93 [0.60-1.43]	0.814	0.95 [0.62-1.46]	1.87E-03	1.96 [1.28-2.99]	6.74E-05	3.13 [1.79-5.48]
AA_DRB1_30_32660058_YCR	32660058	A	0.06	0.06	4.32E-07	2.46 [1.74-3.50]	0.612	1.12 [0.72-1.74]	0.666	1.10 [0.71-1.72]	6.45E-05	2.52 [1.60-3.97]	1.39E-03	2.59 [1.45-4.65]
rs2844723	30578280	A	0.05	0.05	4.40E-07	2.33 [1.68-3.24]	0.526	1.15 [0.75-1.77]	0.432	1.19 [0.77-1.82]	1.75E-06	2.94 [1.89-4.57]	2.32E-02	1.83 [1.09-3.09]
rs2516401	31588885	C	0.06	0.06	4.40E-07	2.35 [1.69-3.28]	0.969	0.99 [0.64-1.54]	0.956	1.01 [0.65-1.57]	1.47E-05	2.60 [1.69-4.01]	3.12E-03	2.26 [1.32-3.88]
rs423209	33091452	A	0.05	0.05	4.55E-07	3.06 [1.98-4.73]	0.348	1.29 [0.76-2.22]	0.278	1.35 [0.79-2.30]	2.50E-04	2.54 [1.54-4.19]	1.30E-05	7.50 [3.03-18.55]
rs2253705	31008073	A	0.07	0.07	4.58E-07	2.39 [1.70-3.35]	0.867	1.04 [0.66-1.64]	0.712	1.09 [0.70-1.70]	3.41E-05	2.47 [1.61-3.78]	3.24E-03	2.39 [1.34-4.28]
rs3021061	32759817	C	0.03	0.03	4.61E-07	2.38 [1.70-3.34]	0.103	1.41 [0.93-2.12]	0.099	1.41 [0.94-2.12]	1.66E-04	2.27 [1.48-3.47]	7.13E-04	2.66 [1.51-4.67]
rs2508022	30575181	C	0.05	0.05	4.65E-07	2.33 [1.68-3.23]	0.526	1.15 [0.75-1.77]	0.433	1.19 [0.77-1.82]	1.84E-06	2.93 [1.88-4.55]	2.32E-02	1.83 [1.09-3.09]
rs2844717	30587159	A	0.05	0.05	4.65E-07	2.33 [1.68-3.23]	0.526	1.15 [0.75-1.77]	0.433	1.19 [0.77-1.82]	1.84E-06	2.93 [1.88-4.55]	2.32E-02	1.83 [1.09-3.09]
rs2844724	30577169	G	0.05	0.05	4.65E-07	2.33 [1.68-3.23]	0.526	1.15 [0.75-1.77]	0.433	1.19 [0.77-1.82]	1.84E-06	2.93 [1.88-4.55]	2.32E-02	1.83 [1.09-3.09]
rs73727420	30571179	A	0.05	0.05	4.65E-07	2.33 [1.68-3.23]	0.526	1.15 [0.75-1.77]	0.433	1.19 [0.77-1.82]	1.84E-06	2.93 [1.88-4.55]	2.32E-02	1.83 [1.09-3.09]
rs975195	30585926	C	0.05	0.05	4.65E-07	2.33 [1.68-3.23]	0.526	1.15 [0.75-1.77]	0.433	1.19 [0.77-1.82]	1.84E-06	2.93 [1.88-4.55]	2.32E-02	1.83 [1.09-3.09]
AA_DQB1_10_32742295_A	32742295	A	0.03	0.03	4.73E-07	2.32 [1.67-3.22]	0.051	1.48 [1.00-2.19]	0.055	1.47 [0.99-2.18]	1.70E-04	2.23 [1.47-3.39]	6.51E-04	2.60 [1.50-4.50]
rs2844725	30573151	A	0.05	0.05	4.74E-07	2.33 [1.67-3.23]	0.527	1.15 [0.75-1.77]	0.433	1.19 [0.77-1.82]	1.84E-06	2.93 [1.88-4.55]	2.33E-02	1.83 [1.09-3.09]
rs362522	29653187	A	0.06	0.06	4.78E-07	2.36 [1.69-3.30]	0.627	0.90 [0.58-1.39]	0.780	0.94 [0.61-1.45]	9.11E-05	2.42 [1.55-3.76]	1.58E-03	2.34 [1.38-3.95]
AA_DQB1_57_32740666_A	32740666	P	0.02	0.02	4.79E-07	2.32 [1.67-3.21]	0.016	1.62 [1.10-2.40]	0.014	1.63 [1.10-2.42]	1.99E-04	2.21 [1.45-3.35]	7.34E-04	2.54 [1.48-4.36]
SNP_DQB1_32740666_G	32740666	P	0.02	0.02	4.79E-07	2.32 [1.67-3.21]	0.016	1.62 [1.10-2.40]	0.014	1.63 [1.10-2.42]	1.99E-04	2.21 [1.45-3.35]	7.34E-04	2.54 [1.48-4.36]
rs2394159	29810658	G	0.06	0.06	4.80E-07	2.40 [1.71-3.37]	0.689	1.10 [0.70-1.72]	0.503	1.16 [0.75-1.81]	3.63E-04	2.25 [1.44-3.52]	8.78E-04	2.50 [1.46-4.28]
rs2735051	29813667	T	0.06	0.06	4.80E-07	2.40 [1.71-3.37]	0.689	1.10 [0.70-1.72]	0.503	1.16 [0.75-1.81]	3.63E-04	2.25 [1.44-3.52]	8.78E-04	2.50 [1.46-4.28]
rs2743922	29807692	A	0.06	0.06	4.80E-07	2.40 [1.71-3.37]	0.689	1.10 [0.70-1.72]	0.503	1.16 [0.75-1.81]	3.63E-04	2.25 [1.44-3.52]	8.78E-04	2.50 [1.46-4.28]
rs4947342	32761048	A	0.03	0.03	4.82E-07	2.38 [1.70-3.33]	0.103	1.41 [0.93-2.11]	0.099	1.41 [0.94-2.12]	1.66E-04	2.27 [1.48-3.47]	7.63E-04	2.63 [1.50-4.61]

rs765977	30265633	A	0.05	0.05	4.83E-07	2.38 [1.70-3.34]	0.901	0.97 [0.64-1.49]	0.832	0.95 [0.62-1.46]	3.09E-04	2.20 [1.43-3.38]	5.10E-04	2.76 [1.56-4.90]
AA_C_156_31346909_LR	31346909	A	0.09	0.08	4.88E-07	2.34 [1.68-3.26]	0.341	0.80 [0.51-1.26]	0.399	0.83 [0.53-1.29]	5.14E-04	2.11 [1.38-3.21]	3.15E-04	2.83 [1.61-5.00]
rs2844846	29820015	A	0.06	0.06	5.02E-07	2.39 [1.70-3.36]	0.691	1.10 [0.70-1.72]	0.504	1.16 [0.75-1.81]	3.56E-04	2.26 [1.44-3.52]	9.22E-04	2.48 [1.45-4.25]
rs3095350	30925845	T	0.05	0.05	5.05E-07	2.39 [1.70-3.36]	0.210	1.33 [0.85-2.08]	0.219	1.32 [0.85-2.06]	5.87E-06	2.88 [1.82-4.54]	3.28E-02	1.81 [1.05-3.11]
AA_DRB1_11_32660115_GL	32660115	P	0.04	0.04	5.35E-07	2.32 [1.67-3.22]	0.118	1.38 [0.92-2.05]	0.112	1.38 [0.93-2.06]	7.93E-06	2.60 [1.71-3.96]	2.13E-02	1.91 [1.10-3.32]
AA_DRB1_30_32660058_LC	32660058	P	0.04	0.04	5.35E-07	2.32 [1.67-3.22]	0.118	1.38 [0.92-2.05]	0.112	1.38 [0.93-2.06]	7.93E-06	2.60 [1.71-3.96]	2.13E-02	1.91 [1.10-3.32]
rs1131896	31487094	A	0.07	0.07	5.47E-07	2.28 [1.65-3.15]	0.969	1.01 [0.66-1.54]	0.956	1.01 [0.67-1.54]	5.63E-04	2.09 [1.38-3.18]	3.97E-04	2.57 [1.53-4.33]
rs1633086	29823741	T	0.06	0.05	5.50E-07	2.47 [1.73-3.52]	0.613	1.12 [0.72-1.73]	0.440	1.18 [0.77-1.82]	1.44E-03	0.49 [0.31-0.76]	6.12E-05	0.29 [0.16-0.53]
rs2240619	30083432	G	0.05	0.05	5.68E-07	0.40 [0.28-0.57]	0.386	0.83 [0.54-1.27]	0.453	0.85 [0.55-1.31]	2.49E-03	0.50 [0.32-0.79]	8.42E-05	0.28 [0.15-0.53]
rs3094132	30295413	G	0.05	0.05	5.88E-07	2.37 [1.69-3.32]	0.812	0.95 [0.62-1.46]	0.760	0.94 [0.61-1.44]	3.95E-04	2.17 [1.42-3.34]	4.80E-04	2.77 [1.56-4.91]
rs2523685	31534235	G	0.08	0.08	5.89E-07	2.33 [1.67-3.26]	0.701	0.91 [0.58-1.44]	0.763	0.93 [0.59-1.47]	1.49E-03	2.00 [1.31-3.08]	1.32E-04	2.89 [1.68-4.98]
rs3130388	30296137	T	0.05	0.05	5.91E-07	2.37 [1.69-3.32]	0.783	0.94 [0.61-1.45]	0.732	0.93 [0.60-1.43]	3.78E-04	2.18 [1.42-3.36]	5.07E-04	2.76 [1.56-4.89]
rs6457126	30091018	C	0.05	0.05	5.92E-07	0.40 [0.28-0.57]	0.388	0.83 [0.54-1.27]	0.455	0.85 [0.55-1.31]	2.41E-03	0.50 [0.32-0.78]	9.12E-05	0.28 [0.15-0.53]
rs1737086	29822392	T	0.06	0.05	5.94E-07	2.46 [1.73-3.50]	0.639	1.11 [0.72-1.71]	0.462	1.17 [0.77-1.80]	1.58E-03	0.49 [0.32-0.76]	5.88E-05	0.29 [0.16-0.53]
rs1013518	30307491	A	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]
rs1573295	30307046	T	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]
rs3094140	30304292	A	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]
rs3129690	30304834	C	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]
rs3130391	30298619	T	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]
rs3132666	30301492	G	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]
rs3132668	30295143	T	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]
rs916568	30310031	A	0.05	0.05	6.01E-07	2.37 [1.69-3.32]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.07E-04	2.76 [1.56-4.89]

rs3121594	30110420	C	0.05	0.05	6.10E-07	0.40 [0.28-0.57]	0.388	0.83 [0.54-1.27]	0.455	0.85 [0.55-1.31]	2.49E-03	0.50 [0.32-0.79]	9.12E-05	0.28 [0.15-0.53]
rs3094614	30289254	G	0.05	0.05	6.13E-07	2.36 [1.69-3.31]	0.780	0.94 [0.61-1.44]	0.729	0.93 [0.60-1.42]	3.83E-04	2.18 [1.42-3.34]	5.25E-04	2.76 [1.55-4.89]
rs2106070	30294842	G	0.05	0.05	6.17E-07	2.36 [1.69-3.31]	0.782	0.94 [0.61-1.45]	0.731	0.93 [0.60-1.43]	3.95E-04	2.17 [1.42-3.34]	5.37E-04	2.74 [1.55-4.86]
AA_DQB1_38_32740723	32740723	V	0.02	0.02	6.22E-07	2.36 [1.69-3.32]	0.007	1.72 [1.16-2.55]	0.007	1.73 [1.17-2.56]	2.77E-05	2.64 [1.68-4.14]	9.44E-03	2.02 [1.19-3.42]
SNP_DQB1_32740723	32740723	A	0.02	0.02	6.22E-07	2.36 [1.69-3.32]	0.007	1.72 [1.16-2.55]	0.007	1.73 [1.17-2.56]	2.77E-05	2.64 [1.68-4.14]	9.44E-03	2.02 [1.19-3.42]
rs2040486	30302082	G	0.05	0.05	6.22E-07	2.36 [1.68-3.31]	0.781	0.94 [0.61-1.44]	0.730	0.93 [0.60-1.42]	3.95E-04	2.17 [1.42-3.34]	5.17E-04	2.75 [1.55-4.88]
rs3094159	29943813	C	0.05	0.05	6.23E-07	0.31 [0.20-0.49]	0.256	0.73 [0.43-1.25]	0.278	0.74 [0.43-1.27]	2.32E-05	0.25 [0.14-0.48]	7.91E-03	0.40 [0.21-0.79]
rs3132718	29944556	A	0.05	0.05	6.23E-07	0.31 [0.20-0.49]	0.256	0.73 [0.43-1.25]	0.278	0.74 [0.43-1.27]	2.32E-05	0.25 [0.14-0.48]	7.91E-03	0.40 [0.21-0.79]
rs9258881	29945121	G	0.05	0.05	6.23E-07	0.31 [0.20-0.49]	0.256	0.73 [0.43-1.25]	0.278	0.74 [0.43-1.27]	2.32E-05	0.25 [0.14-0.48]	7.91E-03	0.40 [0.21-0.79]
rs3132714	29948627	A	0.05	0.05	6.25E-07	0.31 [0.20-0.49]	0.257	0.73 [0.43-1.25]	0.278	0.74 [0.43-1.27]	2.32E-05	0.25 [0.14-0.48]	7.91E-03	0.40 [0.21-0.79]
rs1632933	29905912	A	0.05	0.05	6.49E-07	0.38 [0.26-0.56]	0.938	1.02 [0.63-1.66]	0.890	1.04 [0.63-1.69]	1.24E-05	0.32 [0.20-0.54]	1.48E-02	0.49 [0.28-0.87]
rs6457121	30071044	A	0.05	0.05	6.60E-07	0.40 [0.28-0.58]	0.391	0.83 [0.54-1.28]	0.458	0.85 [0.55-1.31]	2.57E-03	0.51 [0.32-0.79]	1.01E-04	0.28 [0.15-0.54]
rs1610677	29897150	G	0.05	0.05	6.70E-07	0.38 [0.26-0.56]	0.906	1.03 [0.63-1.68]	0.859	1.05 [0.64-1.70]	1.24E-05	0.32 [0.20-0.54]	1.56E-02	0.50 [0.28-0.88]
rs6457120	30065057	A	0.05	0.05	6.76E-07	0.40 [0.28-0.58]	0.402	0.83 [0.54-1.28]	0.470	0.85 [0.55-1.32]	2.59E-03	0.51 [0.32-0.79]	1.09E-04	0.29 [0.15-0.54]
rs2074504	30638224	A	0.06	0.06	6.78E-07	2.30 [1.65-3.19]	0.857	0.96 [0.62-1.49]	0.995	1.00 [0.65-1.54]	2.13E-06	2.90 [1.87-4.50]	2.28E-02	1.83 [1.09-3.09]
AA_DRB1_30_32660058_YHG	32660058	A	0.03	0.03	7.01E-07	2.29 [1.65-3.18]	0.091	1.40 [0.95-2.08]	0.089	1.41 [0.95-2.09]	6.71E-06	2.63 [1.73-4.00]	3.24E-02	1.81 [1.05-3.12]
rs2394255	30057800	A	0.05	0.05	7.06E-07	0.40 [0.28-0.58]	0.403	0.83 [0.54-1.28]	0.471	0.85 [0.55-1.32]	2.65E-03	0.51 [0.32-0.79]	1.13E-04	0.29 [0.15-0.54]
rs3891158	30058812	G	0.05	0.05	7.06E-07	0.40 [0.28-0.58]	0.403	0.83 [0.54-1.28]	0.471	0.85 [0.55-1.32]	2.65E-03	0.51 [0.32-0.79]	1.13E-04	0.29 [0.15-0.54]
SNP_DRB1_32660063_T	32660063	P	0.03	0.03	7.28E-07	2.29 [1.65-3.17]	0.092	1.40 [0.95-2.08]	0.089	1.41 [0.95-2.09]	6.71E-06	2.63 [1.73-4.00]	3.30E-02	1.80 [1.05-3.10]
rs6903912	31099538	A	0.07	0.06	7.34E-07	2.27 [1.64-3.14]	0.679	1.09 [0.72-1.67]	0.628	1.11 [0.73-1.69]	6.64E-05	2.32 [1.54-3.51]	3.17E-03	2.27 [1.32-3.90]
rs3132667	30299566	C	0.06	0.06	7.35E-07	2.34 [1.67-3.27]	0.734	0.93 [0.61-1.42]	0.686	0.92 [0.60-1.40]	4.79E-04	2.13 [1.40-3.27]	5.23E-04	2.75 [1.55-4.87]
rs1264440	30659265	T	0.06	0.05	7.41E-07	2.28 [1.64-3.15]	0.878	1.03 [0.67-1.59]	0.725	1.08 [0.70-1.65]	1.40E-06	2.90 [1.88-4.47]	3.57E-02	1.76 [1.04-2.98]

rs3130786	30915927	A	0.05	0.05	7.55E-07	2.36 [1.68-3.31]	0.217	1.32 [0.85-2.07]	0.226	1.32 [0.84-2.05]	7.32E-06	2.85 [1.80-4.51]	3.65E-02	1.78 [1.04-3.07]
rs3130655	30931689	T	0.05	0.05	7.56E-07	2.36 [1.68-3.31]	0.216	1.32 [0.85-2.07]	0.225	1.32 [0.84-2.05]	7.32E-06	2.85 [1.80-4.51]	3.67E-02	1.78 [1.04-3.07]
rs3815096	30183084	T	0.05	0.05	7.57E-07	0.36 [0.24-0.54]	0.607	0.88 [0.54-1.43]	0.415	0.82 [0.51-1.32]	1.07E-05	0.27 [0.15-0.49]	2.00E-02	0.51 [0.28-0.90]
rs1264431	30670650	G	0.06	0.05	7.59E-07	2.27 [1.64-3.15]	0.878	1.03 [0.67-1.59]	0.725	1.08 [0.71-1.65]	1.40E-06	2.89 [1.88-4.46]	3.57E-02	1.76 [1.04-2.98]
rs12525893	32328555	T	0.05	0.05	7.60E-07	2.32 [1.66-3.23]	0.405	1.20 [0.78-1.85]	0.400	1.21 [0.78-1.86]	9.95E-05	2.32 [1.52-3.55]	7.15E-03	2.14 [1.23-3.72]
rs3130791	30939822	T	0.05	0.05	7.63E-07	2.36 [1.68-3.31]	0.217	1.32 [0.85-2.07]	0.226	1.32 [0.84-2.05]	7.32E-06	2.85 [1.80-4.51]	3.68E-02	1.78 [1.04-3.07]
rs3132578	30924844	T	0.05	0.05	7.63E-07	2.36 [1.68-3.31]	0.217	1.32 [0.85-2.07]	0.226	1.32 [0.84-2.05]	7.32E-06	2.85 [1.80-4.51]	3.68E-02	1.78 [1.04-3.07]
rs1264456	30570063	T	0.06	0.06	7.75E-07	2.28 [1.64-3.16]	0.948	0.99 [0.64-1.52]	0.909	1.03 [0.67-1.58]	4.02E-06	2.80 [1.81-4.34]	1.47E-02	1.91 [1.14-3.21]
rs3130653	30930750	C	0.05	0.05	7.80E-07	2.36 [1.68-3.31]	0.217	1.32 [0.85-2.07]	0.226	1.32 [0.84-2.05]	7.73E-06	2.85 [1.80-4.51]	3.68E-02	1.78 [1.04-3.07]
SNP_B_31430381	31430381	T	0.05	0.04	7.91E-07	2.24 [1.63-3.08]	0.760	1.06 [0.72-1.58]	0.656	1.09 [0.74-1.62]	1.02E-04	2.30 [1.51-3.50]	1.92E-03	2.27 [1.35-3.80]
SNP_B_31430438	31430438	C	0.05	0.04	7.91E-07	2.24 [1.63-3.08]	0.760	1.06 [0.72-1.58]	0.656	1.09 [0.74-1.62]	1.02E-04	2.30 [1.51-3.50]	1.92E-03	2.27 [1.35-3.80]
SNP_B_31430667	31430667	C	0.05	0.04	7.91E-07	2.24 [1.63-3.08]	0.760	1.06 [0.72-1.58]	0.656	1.09 [0.74-1.62]	1.02E-04	2.30 [1.51-3.50]	1.92E-03	2.27 [1.35-3.80]
rs2534814	30588856	C	0.06	0.06	8.00E-07	2.28 [1.64-3.16]	0.946	0.99 [0.64-1.52]	0.911	1.03 [0.67-1.57]	4.02E-06	2.80 [1.81-4.34]	1.51E-02	1.91 [1.13-3.21]
AA_DRB1_30_32660058_YC	32660058	A	0.05	0.06	8.22E-07	2.38 [1.69-3.36]	0.512	1.15 [0.75-1.77]	0.572	1.13 [0.74-1.74]	6.70E-05	2.47 [1.58-3.85]	2.97E-03	2.38 [1.34-4.23]
SNP_DRB1_32660059_A	32660059	A	0.05	0.06	8.22E-07	2.38 [1.69-3.36]	0.512	1.15 [0.75-1.77]	0.572	1.13 [0.74-1.74]	6.70E-05	2.47 [1.58-3.85]	2.97E-03	2.38 [1.34-4.23]
rs1633085	29823976	A	0.06	0.06	8.32E-07	0.36 [0.24-0.54]	0.780	0.93 [0.57-1.53]	0.852	0.95 [0.58-1.57]	5.24E-04	0.40 [0.23-0.67]	5.33E-04	0.32 [0.17-0.61]
rs1736936	29902296	T	0.05	0.05	8.39E-07	0.39 [0.27-0.57]	0.901	1.03 [0.63-1.68]	0.854	1.05 [0.64-1.71]	1.73E-05	0.33 [0.20-0.55]	1.51E-02	0.49 [0.28-0.87]
rs3095245	31321881	G	0.04	0.04	8.52E-07	2.28 [1.64-3.16]	0.916	0.98 [0.66-1.45]	0.902	1.03 [0.69-1.52]	2.28E-04	2.19 [1.44-3.31]	1.64E-03	2.47 [1.41-4.35]
rs3130393	30302510	C	0.06	0.06	8.59E-07	2.33 [1.66-3.27]	0.729	0.93 [0.61-1.42]	0.681	0.91 [0.60-1.40]	5.60E-04	2.12 [1.38-3.25]	5.25E-04	2.75 [1.55-4.87]
rs10223710	32326659	G	0.05	0.05	8.61E-07	2.29 [1.65-3.19]	0.407	1.20 [0.78-1.85]	0.409	1.20 [0.78-1.85]	1.72E-04	2.25 [1.47-3.44]	4.53E-03	2.21 [1.28-3.82]
rs4959089	32327703	G	0.05	0.05	8.61E-07	2.29 [1.65-3.19]	0.407	1.20 [0.78-1.85]	0.409	1.20 [0.78-1.85]	1.72E-04	2.25 [1.47-3.44]	4.53E-03	2.21 [1.28-3.82]
rs2743951	29817213	A	0.06	0.05	8.93E-07	2.38 [1.68-3.36]	0.604	1.13 [0.72-1.77]	0.426	1.20 [0.77-1.86]	4.65E-04	0.45 [0.28-0.70]	1.45E-03	0.41 [0.24-0.71]

AA_DRB1_30_32660058_YGR	32660058	A	0.04	0.04	9.07E-07	2.27 [1.64-3.15]	0.147	1.34 [0.90-1.99]	0.145	1.34 [0.90-2.00]	1.06E-05	2.56 [1.69-3.90]	2.73E-02	1.84 [1.07-3.18]
AA_DRB1_74_32659926_QE	32659926	P	0.05	0.05	9.17E-07	2.36 [1.68-3.33]	0.425	1.20 [0.77-1.86]	0.451	1.19 [0.76-1.84]	6.57E-05	2.48 [1.59-3.87]	2.49E-03	2.38 [1.36-4.18]
SNP_DRB1_32659926_T	32659926	P	0.05	0.05	9.17E-07	2.36 [1.68-3.33]	0.425	1.20 [0.77-1.86]	0.451	1.19 [0.76-1.84]	6.57E-05	2.48 [1.59-3.87]	2.49E-03	2.38 [1.36-4.18]
rs996589	30585214	G	0.05	0.05	9.43E-07	2.27 [1.64-3.15]	0.644	1.11 [0.72-1.71]	0.542	1.14 [0.74-1.76]	1.61E-06	2.95 [1.90-4.58]	4.40E-02	1.71 [1.01-2.88]
rs2535331	30924249	T	0.03	0.03	9.51E-07	0.33 [0.21-0.52]	0.021	0.55 [0.33-0.91]	0.019	0.54 [0.33-0.91]	1.50E-04	0.32 [0.18-0.58]	2.15E-03	0.34 [0.17-0.68]
AA_DQB1_57_32740666_D	32740666	P	0.01	0.01	9.70E-07	0.40 [0.27-0.57]	0.001	0.49 [0.32-0.75]	0.001	0.48 [0.31-0.74]	7.35E-05	0.37 [0.22-0.60]	7.39E-03	0.46 [0.26-0.81]
SNP_DQB1_32740666_T	32740666	P	0.01	0.01	9.70E-07	0.40 [0.27-0.57]	0.001	0.49 [0.32-0.75]	0.001	0.48 [0.31-0.74]	7.35E-05	0.37 [0.22-0.60]	7.39E-03	0.46 [0.26-0.81]
rs2844719	30584162	C	0.05	0.05	1.00E-06	2.27 [1.63-3.14]	0.645	1.11 [0.72-1.70]	0.542	1.14 [0.74-1.76]	1.84E-06	2.93 [1.88-4.55]	4.44E-02	1.71 [1.01-2.88]
rs3869070	30131847	C	0.04	0.04	1.01E-06	0.40 [0.28-0.58]	0.338	0.81 [0.52-1.25]	0.393	0.83 [0.54-1.28]	2.62E-03	0.50 [0.32-0.79]	1.36E-04	0.28 [0.15-0.54]
rs2023608	30584164	C	0.05	0.05	1.01E-06	2.26 [1.63-3.14]	0.645	1.11 [0.72-1.70]	0.543	1.14 [0.74-1.75]	1.84E-06	2.93 [1.88-4.55]	4.46E-02	1.71 [1.01-2.88]
rs2023609	30584013	T	0.05	0.05	1.01E-06	2.26 [1.63-3.14]	0.645	1.11 [0.72-1.70]	0.543	1.14 [0.74-1.75]	1.84E-06	2.93 [1.88-4.55]	4.46E-02	1.71 [1.01-2.88]
rs2516649	30604861	G	0.05	0.05	1.01E-06	2.26 [1.63-3.14]	0.645	1.11 [0.72-1.70]	0.543	1.14 [0.74-1.75]	1.84E-06	2.93 [1.88-4.55]	4.46E-02	1.71 [1.01-2.88]
rs2516662	30583394	T	0.05	0.05	1.01E-06	2.26 [1.63-3.14]	0.645	1.11 [0.72-1.70]	0.543	1.14 [0.74-1.75]	1.84E-06	2.93 [1.88-4.55]	4.46E-02	1.71 [1.01-2.88]
rs2534823	30604795	C	0.05	0.05	1.01E-06	2.26 [1.63-3.14]	0.645	1.11 [0.72-1.70]	0.543	1.14 [0.74-1.75]	1.84E-06	2.93 [1.88-4.55]	4.46E-02	1.71 [1.01-2.88]
rs2516644	30611924	A	0.05	0.05	1.04E-06	2.26 [1.63-3.14]	0.646	1.11 [0.72-1.70]	0.543	1.14 [0.74-1.75]	1.89E-06	2.93 [1.88-4.55]	4.46E-02	1.71 [1.01-2.88]
rs1362119	30607711	A	0.05	0.05	1.05E-06	2.26 [1.63-3.14]	0.658	1.10 [0.72-1.70]	0.555	1.14 [0.74-1.75]	2.01E-06	2.91 [1.87-4.52]	4.46E-02	1.71 [1.01-2.88]
rs2534825	30603722	T	0.05	0.05	1.05E-06	2.26 [1.63-3.14]	0.646	1.11 [0.72-1.70]	0.543	1.14 [0.74-1.75]	1.91E-06	2.92 [1.88-4.54]	4.46E-02	1.71 [1.01-2.88]
rs2534815	30607106	C	0.05	0.05	1.05E-06	2.26 [1.63-3.14]	0.646	1.11 [0.72-1.70]	0.544	1.14 [0.74-1.75]	1.85E-06	2.94 [1.89-4.57]	4.46E-02	1.71 [1.01-2.88]
rs2074505	30629116	C	0.05	0.05	1.09E-06	2.27 [1.63-3.15]	0.535	1.15 [0.74-1.77]	0.440	1.19 [0.77-1.82]	2.06E-06	2.93 [1.88-4.58]	4.46E-02	1.71 [1.01-2.89]
rs2517459	31005001	A	0.07	0.07	1.09E-06	2.32 [1.65-3.24]	0.981	0.99 [0.63-1.57]	0.857	1.04 [0.67-1.63]	8.08E-05	2.36 [1.54-3.61]	3.20E-03	2.39 [1.34-4.28]
rs3131001	31199510	T	0.05	0.04	1.10E-06	2.27 [1.63-3.15]	0.508	1.16 [0.75-1.77]	0.391	1.20 [0.79-1.83]	2.09E-03	1.95 [1.27-2.97]	1.67E-04	2.87 [1.66-4.97]

Table S4. Amino acid positions associated with birdshot chorioretinopathy at the established significance level ($P < 1.14 \times 10^{-6}$) after omnibus test.

HLA molecule	Amino acid position	Center codon position	Tested Alleles	P_{LRT} (unconditioned)	P_{LRT} conditioned on HLA-A position 63	P_{LRT} conditioned on HLA-A position 62
A	63	30018699	3	1.44E-58	NA	1.000
A	62	30018696	5	3.95E-57	0.526	NA
A	9	30018537	4	1.05E-40	0.957	1.000
A	298	30020325	2	9.14E-35	0.620	0.657
A	307	30020352	2	9.14E-35	0.620	0.657
A	-11	30018350	2	1.04E-34	0.620	0.676
A	151	30019204	2	2.19E-25	0.530	0.802
A	334	30021017	2	2.51E-25	0.069	0.139
A	299	30020328	2	5.72E-25	0.063	0.126
A	246	30020067	2	6.63E-25	0.076	0.145
C	193	31346211	2	5.97E-22	0.634	0.621
A	97	30019042	3	2.04E-21	0.294	0.098
A	76	30018738	3	3.00E-19	0.531	0.740
C	156	31346909	5	8.20E-19	0.584	0.569
A	144	30019183	2	3.46E-18	0.034	0.070
A	70	30018720	2	2.09E-15	0.375	0.918
B	167	31431970	2	4.79E-14	0.514	0.665

A	184	30019881	2	5.03E-13	0.232	0.942
A	294	30020313	2	2.77E-12	0.232	0.774
A	253	30020088	2	3.12E-12	0.232	0.672
A	193	30019908	2	3.37E-12	0.261	0.925
A	194	30019911	2	3.37E-12	0.261	0.925
A	207	30019950	2	3.37E-12	0.261	0.925
A	77	30018741	3	7.14E-12	0.903	0.894
A	152	30019207	5	1.19E-11	0.006	0.022
B	199	31431300	2	1.77E-11	0.684	0.762
B	113	31432132	2	1.69E-10	0.386	0.495
B	41	31432593	2	1.75E-10	0.063	0.128
B	32	31432620	2	3.58E-10	0.068	0.136
B	45	31432581	4	4.23E-10	0.200	0.294
A	114	30019093	4	5.74E-10	0.149	0.525
B	24	31432644	3	7.60E-10	0.053	0.063
DQB1	135	32737883	2	1.31E-09	0.138	0.145
A	321	30020836	2	1.87E-09	0.126	0.766
A	276	30020259	2	2.09E-09	0.127	0.771
B	116	31432123	5	3.34E-09	0.450	0.422
B	80	31432476	3	6.25E-09	0.375	0.334

DQB1	74	32740615	3	1.61E-08	0.011	0.005
DQB1	57	32740666	4	2.45E-08	1.000	0.000
DQB1	75	32740612	2	3.74E-08	0.003	0.001
DRB1	13	32660109	6	3.84E-08	0.078	0.084
DQB1	37	32740726	2	5.13E-08	0.020	0.009
DRB1	11	32660115	6	5.69E-08	0.052	0.052
C	97	31347086	2	7.56E-08	0.636	0.580
DQB1	71	32740624	4	7.82E-08	0.029	0.015
DQB1	77	32740606	2	9.13E-08	0.004	0.002
DQB1	52	32740681	2	1.26E-07	0.042	0.019
DQB1	47	32740696	2	1.26E-07	0.042	0.019
DQB1	46	32740699	2	1.26E-07	0.042	0.019
DQB1	28	32740753	2	1.33E-07	0.042	0.020
DRB1	25	32660073	2	1.41E-07	0.417	0.390
DRB1	14	32660106	2	1.41E-07	0.417	0.390
DQA1	54	32717212	2	1.64E-07	0.430	0.401
DQB1	38	32740723	2	2.93E-07	0.006	0.003
A	-15	30018338	2	3.40E-07	0.128	0.475
DQB1	30	32740747	3	3.45E-07	0.055	0.025
DQB1	67	32740636	2	3.73E-07	0.057	0.030

DQB1	66	32740639	2	3.73E-07	0.057	0.030
DQA1	52	32717206	3	5.13E-07	0.371	0.350
DRB1	78	32659914	2	5.28E-07	0.535	0.515
DRB1	4	32665400	2	6.08E-07	0.533	0.511
C	73	31347408	2	6.46E-07	0.140	0.230
DQB1	-10	32742295	3	8.08E-07	0.122	0.064
DQB1	55	32740672	3	8.62E-07	0.121	0.065

Table S5. SNPs, amino acid variants and HLA classical alleles associated with non-anterior uveitis (except birdshot chorioretinopathy) at the established significance level ($P < 1.14 \times 10^{-6}$) in the meta-analysis. The marker nomenclature is as follow: 1) Classical HLA alleles: HLA_[gene]_[allele]; 2) HLA amino acids: AA_[gene]_[amino acid position within the molecule]_[genetic position of the center of codon]_[allele]; 3) HLA intragenic SNPs: SNP_[gene]_[genetic position]_[allele]; 4) Insertions/deletions: [variant]_[gene]_[genetic position]_[insertion/x=deletion]. When more than one allele is shown, it refers to the presence of any of them. *For binary encodings, P=present, A=absent.

Variation	Position in Chr 6 (GRCh36)	Allele	r^2 with HLA-DRB1*1501	META-ANALYSIS	
				P-value	OR [95% CI]
rs3129888	32519704	G	0.62	6.33E-09	1.65 [1.39-1.96]
rs3135391	32518965	T	0.96	1.62E-08	1.74 [1.44-2.11]
rs3135388	32521029	T	0.97	1.96E-08	1.74 [1.43-2.11]
AA_DQB1_9_32740810_F	32740810	P	0.74	2.03E-08	1.66 [1.39-1.98]
AA_DQB1_9_32740810_YL	32740810	A	0.74	2.03E-08	1.66 [1.39-1.98]
rs7197	32520558	T	0.72	2.14E-08	1.64 [1.38-1.95]
rs3129889	32521523	G	0.97	2.20E-08	1.73 [1.43-2.10]
HLA_DQB1_0602	32739039	P	0.93	3.03E-08	1.73 [1.42-2.09]
SNP_DQB1_32742280_A	32742280	P	0.93	3.03E-08	1.73 [1.42-2.09]
HLA_DRB1_1501	32660042	P	NA	3.23E-08	1.72 [1.42-2.09]
rs9270986	32682038	A	0.83	4.90E-08	1.65 [1.38-1.97]
AA_DQA1_207_32718440_M	32718440	P	0.61	6.86E-08	1.57 [1.33-1.85]
HLA_DQA1_0102	32716284	P	0.61	6.86E-08	1.57 [1.33-1.85]
SNP_DQA1_32718439	32718439	A	0.61	6.86E-08	1.57 [1.33-1.85]
AA_DRB1_133_32657479_R	32657479	A	0.83	7.20E-08	1.64 [1.37-1.97]
AA_DRB1_142_32657452_V	32657452	A	0.83	7.20E-08	1.64 [1.37-1.97]
AA_DRB1_11_32660115_P	32660115	P	0.83	7.29E-08	1.64 [1.37-1.97]

AA_DRB1_13_32660109_R	32660109	P	0.83	7.29E-08	1.64 [1.37-1.97]
SNP_DRB1_32660108	32660108	C	0.83	7.29E-08	1.64 [1.37-1.97]
SNP_DRB1_32660110_T	32660110	P	0.83	7.29E-08	1.64 [1.37-1.97]
AA_DRB1_133_32657479_L	32657479	P	0.83	7.86E-08	1.64 [1.37-1.96]
AA_DRB1_142_32657452_M	32657452	P	0.83	7.86E-08	1.64 [1.37-1.96]
SNP_DRB1_32657379	32657379	T	0.83	7.86E-08	1.64 [1.37-1.96]
SNP_DRB1_32657453	32657453	T	0.83	7.86E-08	1.64 [1.37-1.96]
SNP_DRB1_32657479	32657479	A	0.83	7.86E-08	1.64 [1.37-1.96]
SNP_DRB1_32657574	32657574	T	0.83	7.86E-08	1.64 [1.37-1.96]
SNP_DRB1_32659973_A	32659973	P	0.83	8.32E-08	1.64 [1.37-1.96]
AA_DQA1_207_32718440_V	32718440	A	0.61	9.96E-08	1.56 [1.33-1.84]
rs3129768	32703061	G	0.67	1.20E-07	1.58 [1.33-1.87]
rs9271640	32700178	T	0.67	1.20E-07	1.58 [1.33-1.87]
AA_DQB1_9_32740810_Y	32740810	A	0.70	1.93E-07	1.59 [1.34-1.89]
AA_DQB1_9_32740810_Yx	32740810	A	0.70	1.93E-07	1.59 [1.34-1.89]
SNP_DQB1_32740810	32740810	A	0.70	1.93E-07	1.59 [1.34-1.89]
SNP_DRB1_32660110_AG	32660110	A	0.58	1.96E-07	1.55 [1.31-1.82]
AA_DRB1_13_32660109_RG	32660109	P	0.58	2.04E-07	1.55 [1.31-1.82]
SNP_DRB1_32660109_C	32660109	P	0.58	2.04E-07	1.55 [1.31-1.82]
rs3129868	32512355	A	0.90	2.42E-07	1.65 [1.36-1.99]
AA_DRB1_13_32660109_SYF	32660109	A	0.27	2.99E-07	1.44 [1.25-1.66]
SNP_DRB1_32660110_A	32660110	A	0.27	2.99E-07	1.44 [1.25-1.66]
AA_DRB1_-1_32665412_S	32665412	P	0.94	3.49E-07	1.63 [1.35-1.97]
HLA_DRB1_15	32660042	P	0.94	3.49E-07	1.63 [1.35-1.97]
SNP_DRB1_32665413	32665413	A	0.94	3.49E-07	1.63 [1.35-1.97]
rs9271775	32702306	C	0.73	3.81E-07	1.57 [1.32-1.87]
AA_DRB1_71_32659935_A	32659935	P	0.93	3.99E-07	1.63 [1.35-1.97]
SNP_DRB1_32659935_G	32659935	P	0.93	3.99E-07	1.63 [1.35-1.97]
rs9271366	32694832	G	0.93	4.23E-07	1.63 [1.35-1.97]
rs2239802	32519824	G	0.55	4.30E-07	1.53 [1.30-1.80]
rs2395182	32521295	G	0.55	4.30E-07	1.53 [1.30-1.80]

rs9267992	32328375	G	0.83	5.10E-07	1.63 [1.35-1.97]
SNP_DRB1_32660110_AC	32660110	A	0.34	5.55E-07	1.45 [1.25-1.67]
AA_DRB1_13_32660109_RH	32660109	P	0.34	5.74E-07	1.45 [1.25-1.67]
AA_DRB1_96_32657590_Q	32657590	P	0.77	6.21E-07	1.57 [1.31-1.87]
AA_DRB1_96_32657590_Qx	32657590	P	0.77	6.21E-07	1.57 [1.31-1.87]
SNP_DRB1_32657589_T	32657589	P	0.77	6.21E-07	1.57 [1.31-1.87]
rs9267955	32321128	A	0.82	9.83E-07	1.61 [1.33-1.95]
rs3117119	32426588	C	0.62	1.26E-06	1.54 [1.29-1.83]
rs3132963	32428131	C	0.62	1.36E-06	1.54 [1.29-1.83]

Table S6. SNPs, amino acid variants and HLA classical alleles associated with intermediate and posterior uveitis at the established significance level ($P < 1.14 \times 10^{-6}$) in the meta-analysis. The results of the conditioned analysis are also shown. The marker nomenclature is as follow: 1) Classical HLA alleles: HLA_[gene]_[allele]; 2) HLA amino acids: AA_[gene]_[amino acid position within the molecule]_[genetic position of the center of codon]_[allele]; 3) HLA intragenic SNPs: SNP_[gene]_[genetic position]_[allele]; 4) Insertions/deletions: [variant]_[gene]_[genetic position]_[insertion/x=deletion]. When more than one allele is shown, it refers to the presence of any of them. *For binary encodings, P=present, A=absent.

Variation	Position in Chr 6 (GRCh36)	Allele*	r ² with rs7197	r ² with DRB1*1501	META-ANALYSIS (unconditioned)		META-ANALYSIS conditioned on rs7197		META-ANALYSIS conditioned on DRB1*1501		SPAIN		NETHERLANDS		UK	
					P-value	OR [95% CI]	P-value	OR [95% CI]	P-value	OR [95% CI]	P-value	OR [95% CI]	P-value	OR [95% CI]	P-value	OR [95% CI]
rs7197	32520558	T	NA	0.72	2.07E-11	1.99 [1.62-2.43]	NA	NA	0.012	1.60 [1.11-2.31]	2.66E-09	2.24 [1.72-2.91]	0.3232	1.28 [0.79-2.07]	2.03E-04	2.24 [1.46-3.42]
rs3135391	32518965	T	0.74	0.96	6.93E-11	2.10 [1.68-2.62]	0.157	1.36 [0.89-2.08]	0.285	1.83 [0.60-5.54]	1.80E-11	2.82 [2.08-3.82]	0.3733	1.27 [0.75-2.17]	7.46E-03	1.86 [1.18-2.94]
rs3135388	32521029	T	0.74	0.97	1.03E-10	2.08 [1.67-2.60]	0.182	1.33 [0.87-2.03]	0.470	1.58 [0.46-5.43]	3.29E-11	2.79 [2.06-3.78]	0.3733	1.27 [0.75-2.17]	6.78E-03	1.88 [1.19-2.96]
HLA_DRB1_1501	32660042	P	0.72	NA	1.16E-10	2.08 [1.66-2.59]	0.160	1.34 [0.89-2.01]	NA	NA	2.32E-11	2.79 [2.06-3.76]	0.497	1.21 [0.70-2.07]	6.80E-03	1.88 [1.19-2.96]
rs3129889	32521523	G	0.74	0.97	1.19E-10	2.07 [1.66-2.59]	0.193	1.32 [0.87-2.01]	0.570	1.45 [0.40-5.28]	4.88E-11	2.75 [2.03-3.71]	0.3733	1.27 [0.75-2.17]	6.78E-03	1.88 [1.19-2.96]
rs3129888	32519704	G	0.87	0.62	2.14E-10	1.90 [1.56-2.31]	0.857	1.06 [0.55-2.05]	0.026	1.45 [1.05-2.00]	3.30E-09	2.18 [1.69-2.83]	0.3846	1.23 [0.77-1.97]	1.59E-03	2.00 [1.30-3.07]
rs9270986	32682038	A	0.60	0.83	2.43E-10	1.96 [1.59-2.41]	0.061	1.36 [0.99-1.88]	0.207	1.38 [0.84-2.29]	5.12E-09	2.26 [1.72-2.98]	0.08996	1.53 [0.94-2.49]	8.08E-03	1.82 [1.17-2.83]

rs3129768	32703061	G	0.75	0.67	2.44E-10	1.88 [1.54-2.28]	0.242	1.26 [0.86-1.85]	0.046	1.42 [1.01-1.99]	1.14E-07	1.98 [1.54-2.55]	0.09619	1.48 [0.93-2.35]	4.12E-04	2.16 [1.41-3.30]
rs9271640	32700178	T	0.75	0.67	2.44E-10	1.88 [1.54-2.28]	0.242	1.26 [0.86-1.85]	0.046	1.42 [1.01-1.99]	1.14E-07	1.98 [1.54-2.55]	0.09619	1.48 [0.93-2.35]	4.12E-04	2.16 [1.41-3.30]
AA_DRB1_133_32657479_R	32657479	A	0.60	0.83	4.30E-10	1.94 [1.58-2.40]	0.082	1.33 [0.96-1.85]	0.300	1.31 [0.78-2.20]	4.74E-09	2.27 [1.72-2.98]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
AA_DRB1_142_32657452_V	32657452	A	0.60	0.83	4.30E-10	1.94 [1.58-2.40]	0.082	1.33 [0.96-1.85]	0.300	1.31 [0.78-2.20]	4.74E-09	2.27 [1.72-2.98]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
AA_DRB1_11_32660115_P	32660115	P	0.60	0.83	4.43E-10	1.94 [1.58-2.40]	0.082	1.33 [0.96-1.84]	0.307	1.31 [0.78-2.20]	5.12E-09	2.26 [1.72-2.98]	0.09131	1.53 [0.93-2.49]	0.01451	1.75 [1.12-2.75]
AA_DRB1_13_32660109_R	32660109	P	0.60	0.83	4.43E-10	1.94 [1.58-2.40]	0.082	1.33 [0.96-1.84]	0.307	1.31 [0.78-2.20]	5.12E-09	2.26 [1.72-2.98]	0.09131	1.53 [0.93-2.49]	0.01451	1.75 [1.12-2.75]
SNP_DRB1_32660108	32660108	C	0.60	0.83	4.43E-10	1.94 [1.58-2.40]	0.082	1.33 [0.96-1.84]	0.307	1.31 [0.78-2.20]	5.12E-09	2.26 [1.72-2.98]	0.09131	1.53 [0.93-2.49]	0.01451	1.75 [1.12-2.75]
SNP_DRB1_32660110_T	32660110	P	0.60	0.83	4.43E-10	1.94 [1.58-2.40]	0.082	1.33 [0.96-1.84]	0.307	1.31 [0.78-2.20]	5.12E-09	2.26 [1.72-2.98]	0.09131	1.53 [0.93-2.49]	0.01451	1.75 [1.12-2.75]
AA_DRB1_133_32657479_L	32657479	P	0.60	0.83	4.79E-10	1.94 [1.58-2.39]	0.085	1.33 [0.96-1.84]	0.316	1.30 [0.78-2.18]	5.55E-09	2.26 [1.72-2.97]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
AA_DRB1_142_32657452_M	32657452	P	0.60	0.83	4.79E-10	1.94 [1.58-2.39]	0.085	1.33 [0.96-1.84]	0.316	1.30 [0.78-2.18]	5.55E-09	2.26 [1.72-2.97]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
SNP_DRB1_32657379	32657379	T	0.60	0.83	4.79E-10	1.94 [1.58-2.39]	0.085	1.33 [0.96-1.84]	0.316	1.30 [0.78-2.18]	5.55E-09	2.26 [1.72-2.97]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
SNP_DRB1_32657453	32657453	T	0.60	0.83	4.79E-10	1.94 [1.58-2.39]	0.085	1.33 [0.96-1.84]	0.316	1.30 [0.78-2.18]	5.55E-09	2.26 [1.72-2.97]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
SNP_DRB1_32657479	32657479	A	0.60	0.83	4.79E-10	1.94 [1.58-2.39]	0.085	1.33 [0.96-1.84]	0.316	1.30 [0.78-2.18]	5.55E-09	2.26 [1.72-2.97]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
SNP_DRB1_32657574	32657574	T	0.60	0.83	4.79E-10	1.94 [1.58-2.39]	0.085	1.33 [0.96-1.84]	0.316	1.30 [0.78-2.18]	5.55E-09	2.26 [1.72-2.97]	0.08996	1.53 [0.94-2.49]	0.01557	1.74 [1.11-2.74]
SNP_DRB1_32659973_A	32659973	P	0.60	0.83	5.15E-10	1.94 [1.57-2.39]	0.087	1.33 [0.96-1.83]	0.331	1.29 [0.77-2.17]	5.99E-09	2.26 [1.72-2.97]	0.09231	1.52 [0.93-2.48]	0.01451	1.75 [1.12-2.75]
AA_DQB1_9_32740810_F	32740810	P	0.83	0.74	5.84E-10	1.92 [1.56-2.35]	0.717	1.09 [0.68-1.74]	0.162	1.34 [0.89-2.01]	7.05E-10	2.34 [1.79-3.06]	0.9077	1.03 [0.61-1.74]	6.59E-04	2.14 [1.38-3.32]
AA_DQB1_9_32740810_YL	32740810	A	0.83	0.74	5.84E-10	1.92 [1.56-2.35]	0.717	1.09 [0.68-1.74]	0.162	1.34 [0.89-2.01]	7.05E-10	2.34 [1.79-3.06]	0.9077	1.03 [0.61-1.74]	6.59E-04	2.14 [1.38-3.32]
rs9271775	32702306	C	0.81	0.73	6.03E-10	1.89 [1.54-2.31]	0.600	1.13 [0.72-1.75]	0.143	1.34 [0.91-1.99]	2.79E-08	2.11 [1.62-2.74]	0.3356	1.27 [0.78-2.07]	2.41E-04	2.25 [1.46-3.48]
HLA_DQB1_0602	32739039	P	0.68	0.93	7.26E-10	2.02 [1.61-2.52]	0.276	1.24 [0.84-1.82]	0.875	0.94 [0.41-2.14]	2.17E-11	2.80 [2.07-3.79]	0.9994	1.00 [0.56-1.77]	7.37E-03	1.87 [1.18-2.94]

SNP_DQB1_32742280_A	32742280	P	0.68	0.93	7.26E-10	2.02 [1.61-2.52]	0.276	1.24 [0.84-1.82]	0.875	0.94 [0.41-2.14]	2.17E-11	2.80 [2.07-3.79]	0.9994	1.00 [0.56-1.77]	7.37E-03	1.87 [1.18-2.94]
SNP_DRB1_32660110_AG	32660110	A	0.63	0.58	1.20E-09	1.81 [1.50-2.19]	0.198	1.24 [0.89-1.72]	0.052	1.35 [1.00-1.83]	1.08E-08	2.05 [1.60-2.62]	0.1209	1.44 [0.91-2.26]	7.23E-03	1.79 [1.17-2.74]
rs3129868	32512355	A	0.68	0.90	1.21E-09	1.97 [1.58-2.45]	0.302	1.22 [0.84-1.78]	0.997	1.00 [0.47-2.12]	1.94E-09	2.45 [1.83-3.29]	0.2954	1.32 [0.79-2.22]	5.08E-03	1.92 [1.22-3.02]
AA_DRB1_13_32660109_RG	32660109	P	0.63	0.58	1.25E-09	1.81 [1.49-2.19]	0.200	1.24 [0.89-1.72]	0.054	1.35 [1.00-1.83]	1.08E-08	2.05 [1.60-2.62]	0.1235	1.43 [0.91-2.26]	7.23E-03	1.79 [1.17-2.74]
SNP_DRB1_32660109_C	32660109	P	0.63	0.58	1.25E-09	1.81 [1.49-2.19]	0.200	1.24 [0.89-1.72]	0.054	1.35 [1.00-1.83]	1.08E-08	2.05 [1.60-2.62]	0.1235	1.43 [0.91-2.26]	7.23E-03	1.79 [1.17-2.74]
AA_DRB1_-1_32665412_S	32665412	P	0.67	0.93	1.30E-09	1.96 [1.58-2.44]	0.271	1.23 [0.85-1.77]	0.614	0.77 [0.27-2.16]	5.75E-10	2.50 [1.87-3.34]	0.4004	1.25 [0.74-2.12]	0.01032	1.82 [1.15-2.88]
HLA_DRB1_15	32660042	P	0.67	0.93	1.30E-09	1.96 [1.58-2.44]	0.271	1.23 [0.85-1.77]	0.614	0.77 [0.27-2.16]	5.75E-10	2.50 [1.87-3.34]	0.4004	1.25 [0.74-2.12]	0.01032	1.82 [1.15-2.88]
SNP_DRB1_32665413	32665413	A	0.67	0.93	1.30E-09	1.96 [1.58-2.44]	0.271	1.23 [0.85-1.77]	0.614	0.77 [0.27-2.16]	5.75E-10	2.50 [1.87-3.34]	0.4004	1.25 [0.74-2.12]	0.01032	1.82 [1.15-2.88]
AA_DRB1_71_32659935_A	32659935	P	0.67	0.93	1.52E-09	1.96 [1.57-2.43]	0.284	1.22 [0.85-1.76]	0.569	0.74 [0.26-2.08]	6.96E-10	2.48 [1.86-3.32]	0.4029	1.25 [0.74-2.12]	0.01032	1.82 [1.15-2.88]
SNP_DRB1_32659935_G	32659935	P	0.67	0.93	1.52E-09	1.96 [1.57-2.43]	0.284	1.22 [0.85-1.76]	0.569	0.74 [0.26-2.08]	6.96E-10	2.48 [1.86-3.32]	0.4029	1.25 [0.74-2.12]	0.01032	1.82 [1.15-2.88]
rs9271366	32694832	G	0.67	0.93	1.66E-09	1.96 [1.57-2.43]	0.291	1.22 [0.85-1.75]	0.564	0.74 [0.27-2.03]	9.36E-10	2.47 [1.85-3.29]	0.3933	1.26 [0.74-2.13]	0.01032	1.82 [1.15-2.88]
rs9267992	32328375	G	0.63	0.82	2.88E-09	1.95 [1.56-2.42]	0.240	1.23 [0.87-1.74]	0.709	1.11 [0.65-1.88]	1.94E-09	2.46 [1.83-3.30]	0.7915	1.08 [0.62-1.87]	1.02E-03	2.15 [1.36-3.40]
rs9267955	32321128	A	0.62	0.82	3.72E-09	1.94 [1.56-2.41]	0.256	1.22 [0.87-1.72]	0.753	1.09 [0.64-1.84]	2.59E-09	2.44 [1.82-3.27]	0.7825	1.08 [0.62-1.87]	1.16E-03	2.14 [1.35-3.38]
AA_DRB1_96_32657590_Q	32657590	P	0.55	0.76	3.91E-09	1.85 [1.51-2.27]	0.123	1.27 [0.94-1.71]	0.480	1.17 [0.75-1.82]	2.43E-08	2.13 [1.63-2.78]	0.1383	1.45 [0.89-2.36]	0.01933	1.72 [1.09-2.70]
AA_DRB1_96_32657590_Qx	32657590	P	0.55	0.76	3.91E-09	1.85 [1.51-2.27]	0.123	1.27 [0.94-1.71]	0.480	1.17 [0.75-1.82]	2.43E-08	2.13 [1.63-2.78]	0.1383	1.45 [0.89-2.36]	0.01933	1.72 [1.09-2.70]
SNP_DRB1_32657589_T	32657589	P	0.55	0.76	3.91E-09	1.85 [1.51-2.27]	0.123	1.27 [0.94-1.71]	0.480	1.17 [0.75-1.82]	2.43E-08	2.13 [1.63-2.78]	0.1383	1.45 [0.89-2.36]	0.01933	1.72 [1.09-2.70]
AA_DQA1_207_32718440_M	32718440	P	0.43	0.61	4.37E-09	1.77 [1.46-2.14]	0.043	1.30 [1.01-1.68]	0.159	1.26 [0.91-1.74]	1.33E-08	2.06 [1.6-2.64]	0.3548	1.24 [0.79-1.93]	0.01653	1.68 [1.10-2.56]
HLA_DQA1_0102	32716284	P	0.43	0.61	4.37E-09	1.77 [1.46-2.14]	0.043	1.30 [1.01-1.68]	0.159	1.26 [0.91-1.74]	1.33E-08	2.06 [1.60-2.64]	0.3548	1.24 [0.79-1.93]	0.01653	1.68 [1.10-2.56]
SNP_DQA1_32718439	32718439	A	0.43	0.61	4.37E-09	1.77 [1.46-2.14]	0.043	1.30 [1.01-1.68]	0.159	1.26 [0.91-1.74]	1.33E-08	2.06 [1.60-2.64]	0.3548	1.24 [0.79-1.93]	0.01653	1.68 [1.10-2.56]

AA_DQB1_9_32740810_Y	32740810	A	0.78	0.70	4.77E-09	1.83 [1.50-2.24]	0.954	1.01 [0.67-1.54]	0.339	1.21 [0.82-1.77]	1.70E-08	2.13 [1.64-2.77]	0.7577	1.08 [0.65-1.82]	1.06E-03	2.09 [1.34-3.24]
AA_DQB1_9_32740810_Yx	32740810	A	0.78	0.70	4.77E-09	1.83 [1.50-2.24]	0.954	1.01 [0.67-1.54]	0.339	1.21 [0.82-1.77]	1.70E-08	2.13 [1.64-2.77]	0.7577	1.08 [0.65-1.82]	1.06E-03	2.09 [1.34-3.24]
SNP_DQB1_32740810	32740810	A	0.78	0.70	4.77E-09	1.83 [1.50-2.24]	0.954	1.01 [0.67-1.54]	0.339	1.21 [0.82-1.77]	1.70E-08	2.13 [1.64-2.77]	0.7577	1.08 [0.65-1.82]	1.06E-03	2.09 [1.34-3.24]
AA_DQA1_207_32718440_V	32718440	A	0.43	0.61	7.16E-09	1.76 [1.45-2.13]	0.055	1.29 [1.00-1.66]	0.204	1.24 [0.89-1.71]	2.46E-08	2.04 [1.59-2.61]	0.3548	1.24 [0.79-1.93]	0.01653	1.68 [1.10-2.56]
rs9268633	32514451	A	0.61	0.64	2.18E-08	1.76 [1.44-2.15]	0.518	1.11 [0.80-1.54]	0.372	1.17 [0.83-1.66]	5.16E-07	1.95 [1.50-2.53]	0.3011	1.29 [0.80-2.08]	3.76E-03	1.83 [1.22-2.75]
AA_DRB1_11_32660115_PD	32660115	P	0.54	0.76	2.49E-08	1.79 [1.46-2.20]	0.277	1.18 [0.87-1.60]	0.995	1.00 [0.62-1.60]	1.08E-07	2.08 [1.59-2.72]	0.1568	1.42 [0.87-2.30]	0.02571	1.65 [1.06-2.55]
rs6920338	32396067	C	0.60	0.80	3.25E-08	1.85 [1.49-2.30]	0.444	1.14 [0.82-1.59]	0.751	0.92 [0.55-1.54]	4.39E-08	2.25 [1.68-3.01]	0.7565	1.09 [0.64-1.87]	1.56E-03	2.09 [1.32-3.29]
rs2239802	32519824	G	0.78	0.55	6.07E-08	1.70 [1.40-2.06]	0.227	0.72 [0.42-1.23]	0.279	1.18 [0.87-1.60]	6.93E-07	1.87 [1.46-2.40]	0.4092	1.22 [0.76-1.94]	5.37E-03	1.82 [1.19-2.77]
rs2395182	32521295	G	0.78	0.55	6.07E-08	1.70 [1.40-2.06]	0.227	0.72 [0.42-1.23]	0.279	1.18 [0.87-1.60]	6.93E-07	1.87 [1.46-2.40]	0.4092	1.22 [0.76-1.94]	5.37E-03	1.82 [1.19-2.77]
AA_DRB1_-1_32665412_A	32665412	A	0.83	0.64	2.56E-07	1.66 [1.37-2.02]	0.046	0.58 [0.34-0.99]	0.855	1.03 [0.73-1.46]	4.08E-05	1.68 [1.31-2.15]	0.3884	1.24 [0.76-2.01]	2.63E-04	2.20 [1.44-3.36]
AA_DRB1_13_32660109_SYF	32660109	A	0.28	0.27	3.08E-07	1.54 [1.31-1.82]	0.055	1.22 [1.00-1.49]	0.029	1.25 [1.02-1.53]	4.59E-07	1.73 [1.40-2.13]	0.02388	1.59 [1.06-2.38]	0.3824	1.18 [0.82-1.69]
SNP_DRB1_32660110_A	32660110	A	0.28	0.27	3.08E-07	1.54 [1.31-1.82]	0.055	1.22 [1.00-1.49]	0.029	1.25 [1.02-1.53]	4.59E-07	1.73 [1.40-2.13]	0.02388	1.59 [1.06-2.38]	0.3824	1.18 [0.82-1.69]
rs3117119	32426588	C	0.58	0.62	3.60E-07	1.70 [1.39-2.08]	0.777	1.05 [0.77-1.43]	0.794	1.05 [0.74-1.48]	2.44E-05	1.78 [1.36-2.32]	0.7345	1.10 [0.65-1.85]	2.21E-04	2.23 [1.46-3.42]
rs3129938	32444473	T	0.58	0.62	3.60E-07	1.70 [1.39-2.08]	0.777	1.05 [0.77-1.43]	0.794	1.05 [0.74-1.48]	2.44E-05	1.78 [1.36-2.32]	0.7345	1.10 [0.65-1.85]	2.21E-04	2.23 [1.46-3.42]
rs3129934	32444165	T	0.58	0.62	3.76E-07	1.70 [1.38-2.08]	0.783	1.04 [0.77-1.42]	0.801	1.05 [0.74-1.48]	2.44E-05	1.78 [1.36-2.32]	0.7345	1.10 [0.65-1.85]	2.31E-04	2.23 [1.46-3.41]
rs3132963	32428131	C	0.58	0.62	3.87E-07	1.70 [1.38-2.08]	0.789	1.04 [0.77-1.42]	0.808	1.04 [0.74-1.47]	2.70E-05	1.77 [1.36-2.32]	0.7345	1.10 [0.65-1.85]	2.21E-04	2.23 [1.46-3.42]
rs9268148	32367505	G	0.57	0.61	7.63E-07	1.67 [1.36-2.05]	0.897	1.02 [0.75-1.39]	0.942	1.01 [0.72-1.43]	2.81E-05	1.77 [1.36-2.31]	0.8613	1.05 [0.62-1.77]	3.44E-04	2.17 [1.42-3.32]
rs9268103	32353348	A	0.57	0.61	8.01E-07	1.67 [1.36-2.05]	0.906	1.02 [0.75-1.39]	0.952	1.01 [0.72-1.43]	2.95E-05	1.77 [1.35-2.31]	0.8613	1.05 [0.62-1.77]	3.44E-04	2.17 [1.42-3.32]
rs3129886	32518554	T	0.65	0.45	8.15E-07	1.59 [1.32-1.91]	0.367	0.84 [0.58-1.22]	0.370	1.13 [0.87-1.47]	6.44E-06	1.73 [1.36-2.19]	0.5582	1.14 [0.73-1.80]	7.95E-03	1.71 [1.15-2.54]

SNP_DRB1_32660110_AC	32660110	A	0.21	0.34	9.97E-07	1.53 [1.29-1.81]	0.031	1.24 [1.02-1.51]	0.139	1.18 [0.95-1.47]	1.75E-06	1.70 [1.37-2.12]	0.01884	1.64 [1.09-2.47]	0.5998	1.11 [0.76-1.60]
AA_DRB1_13_32660109_RH	32660109	P	0.21	0.34	1.02E-06	1.53 [1.29-1.81]	0.031	1.24 [1.02-1.50]	0.141	1.18 [0.95-1.47]	1.75E-06	1.70 [1.37-2.12]	0.01927	1.63 [1.08-2.46]	0.5998	1.11 [0.76-1.60]

Table S7. Amino acid positions associated with intermediate and posterior uveitis at the established significance level ($P < 1.14 \times 10^{-6}$) after omnibus test.

HLA molecule	Amino acid position	Center codon position	Tested Alleles	P_{LRT} (unconditioned)	P_{LRT} conditioned on DR β 1 position 133/142
DR β 1	133	32657479	2	1.64E-09	NA
DR β 1	142	32657452	2	1.64E-09	NA
DQ β 1	9	32740810	2	1.97E-09	0.01
DQ α 1	207	32718440	2	3.17E-09	0.02
DR β 1	71	32659935	4	1.27E-08	0.14
DR β 1	-1	32665412	3	3.55E-08	0.73
DR β 1	13	32660109	6	1.07E-07	0.47
DR β 1	11	32660115	6	1.49E-07	0.57
DR β 1	96	32657590	4	2.31E-07	0.81

LRT, likelihood ratio test.

Table S8. Functional annotation for the most associated HLA-DRA variant and SNPs in high linkage disequilibrium ($r^2 \geq 0.8$) with it.

SNP	r^2 with rs7197	Location	eQTL	Promoter histone marks	Enhancer histone marks	Dnase hypersensitivity
rs7197	NA	3'-UTR	DRA, DRB1, DRB5, DRB6, DQA2, DQB1, DGCR14, DHX30, NEURL1B, SH3BGRL3, RAB5A, TOM1, TINF2, ZNF672	No	Yes	No
rs3129888	0.85	Intronic	DRA, DRB1, DRB5, DRB6, DQA1, DQA2, DQB1, DGCR14, RAB5A, TINF2, ZNF672	No	Yes	Yes
rs2239802	0.80	Intronic	DRA, DRB1, DRB5, DRB6, DQA2, DQB1, DGCR14, RAB5A, TINF2, ZNF672, ARHGAP24	No	Yes	No
rs3135390	0.85	Intronic	DRB1, DRB5, DRB6, DQB1, DQA2	No	Yes	Yes
rs7196	0.80	3'-UTR	DRB1, DRB5, DRB6, DQA2, DQB1	No	Yes	No
rs2395182	0.80	493bp 3' of HLA-DRA	DRA, DRB1, DRB2, DRB5, DRB6, DQA1, DQA2, DQB1, MID1, ZNF546, ARHGAP24, DGCR14, TINF2, RAB5A, ZNF672,	No	Yes	Yes
rs3135387	0.82	2.3kb 3' of HLA-DRA	DRB1, DRB5, DRB6, DQA2, DQB1	No	Yes	No

SNP, single nucleotide polymorphism; UTR, untranslated region; eQTL, expression quantitative trait loci.

Table S9. Functional annotation for the non-HLA genetic variants showing associations ($p < 1.14 \times 10^{-6}$) or suggestive associations ($p < 2.29 \times 10^{-5}$) with non-infectious non-anterior uveitis. The most highly associated polymorphisms and those in tight linkage disequilibrium with them ($r^2 > 0.8$) were used for the analysis.

Mapped genes	Lead SNP	Location	eQTL	Promoter histone marks	Enhancer histone marks	Dnase hypersensitivity
<i>MAP4K4 / IL1R2</i>	rs7608679	Intergenic	<i>IL1R2, MAP4K4</i>	Yes	Yes	No
<i>KIAA1109</i>	rs76649453	Intronic	-	Yes	Yes	No
<i>RCL1 / JAK2</i>	rs7862852	Intergenic	<i>JAK2</i>	Yes	Yes	No
<i>CASP10/TRAK2</i>	rs17672977	Intronic	<i>PPIL3, CFLAR</i>	Yes	Yes	Yes
<i>ERC2</i>	rs13098621	Intronic	-	No	No	No
<i>HHEX/EXOC6</i>	rs11187157	Intergenic	<i>EXOC6, KIF11</i>	Yes	Yes	Yes

SNP, single nucleotide polymorphism; eQTL, expression quantitative trait loci.