Supplementary Table 4:

Panel A: This table summarizes the results of a forward logistic regression on all the 49,035 variants tested together. Significance was defined by Bonferroni correction for multiple testing (0.05/49,035 ~ 1×10^{-6}). The green shaded rows represent two markers which marginally missed the p-value cut-off but were still included since the Bonferroni cut-off might be too conservative given the high dependence between the markers tested. This table shows the multi-variate results, i.e. all the variants in the table together in a model.

Panel B: This table lists the best variants of each type at each step of the forward conditioinal regression in Panel A. The yellow shaded variants denote the best signals found in Panel A. An asterisk (*) beside an HLA allele denotes the allele was protective.This table shows the stepwise univariate results, i.e. each row has the variants in that row and all the previous rows.

(A). Forward Regression Results for all 49,035 variants together - Multivariate Results

Variants (Risk: Non-Risk Allele)	Odds Ratio	P-Value	Risk AF Case/Ctrl	Total AF
rs114255771 (G:A)	3.45	1.88E-48	0.19/ 0.08	0.85
rs6924962 (C:T)	1.51	1.58E-13	0.36/ 0.23	0.3
rs1059514 (A:G)	1.49	3.12E-18	0.45/ 0.37	0.41
HLA-B:116:Phe, Asp	1.28	1.06E-06	0.73/ 0.63	0.67
rs56673893 (C:T)	1.75	1.12E-06	0.96/ 0.94	0.95

(B). Forward Regression Results for all 49,035 variants together - Stepwise univariate Results

Single Nucleotide Polymorphisms			Amino Acid Residues			4-Digit HLA Allele			2-Digit Allele		
Variants (Risk:Non-Risk Allele)	Odds Ratio	P-Value	Amino Acid Residues	Odds Ratio	P-Value	HLA Alleles	Odds Ratio	P-Value	HLA Alleles	Odds Ratio	P-Value
rs114255771 (G:A)	4.04	2.56E-66	HLA-C (Trp156)	2.24	8.63E-54	HLA-C*06:02	2.84	1.93E-55	HLA-C*06	2.84	1.92E-55
rs6924962 (C:T)	1.55	3.40E-16	HLA-B (Cys67)	1.64	1.19E-14	HLA-A*02:01	1.32	1.57E-08	HLA-A*02	1.32	6.34E-09
rs1059514 (A:G)	1.42	6.17E-15	HLA-A (Val95)	1.39	3.76E-11	HLA-A*02:01	1.37	3.10E-10	HLA-A*02	1.37	1.01E-10
rs56673893 (C:T)	1.69	4.67E-06	HLA-B (Phe,Asp116)	1.26	4.40E-06	HLA-A*68:01 (*)	1.72	5.35E-05	HLA-A*68 (*)	1.62	7.01E-05
rs56673893 (C:T)	1.75	1.12E-06	HLA-A (Ala245)	1.72	9.38E-06	HLA-A*68:01 (*)	1.80	1.32E-05	HLA-A*68 (*)	1.71	1.31E-05