

Supplementary Table S5. Haplotype analysis of the interaction regions located in the MHC region

Haplotype	Haplotype frequency ^a				Global association <i>p</i> -value		
	Pooled	Control	Case	OR (95% c.i.) ^a	Stage 1	Stage 2	Combined
Zone 1							
rs2523864 rs2523849 rs9380215 rs4947296 rs2233984							
A A G A G	0.02	0.02	0.01	0.69 (0.32,1.45)			
A G A G A	0.06	0.08	0.04	0.56 (0.34,0.93)			
A G G A G	0.22	0.18	0.26	1.95 (1.49,2.54)			
G A A G A	0.20	0.14	0.25	2.34 (2.34,3.09)			
G A G A G	0.49	0.56	0.43	1.00			
Rare	0.01	0.01	0.01	0.55 (0.12,2.48)			
Global association <i>p</i> -value					1.03E-06	5.81E-04	8.35E-10
Zone 2							
rs879882 rs7761965 rs2596501 rs7770216							
A A A A	0.04	0.05	0.03	0.39 (0.21,0.73)			
A A A C	0.04	0.05	0.03	0.45 (0.24,0.82)			
A G A A	0.03	0.04	0.03	0.77 (0.39,1.53)			
A G G A	0.07	0.08	0.06	0.53 (0.33,0.86)			
A G G C	0.17	0.16	0.18	0.80 (0.56,1.14)			
G A A A	0.02	0.02	0.02	0.70 (0.27,1.80)			
G A A C	0.06	0.08	0.04	0.43 (0.25,0.73)			
G A G A	0.17	0.13	0.21	1.18 (0.84,1.65)			
G A G C	0.03	0.02	0.03	0.94 (0.43,2.07)			
G G A C	0.02	0.02	0.01	0.38 (0.11,1.33)			
G G G A	0.03	0.03	0.03	0.59 (0.30,1.16)			
G G G C	0.10	0.14	0.07	0.39 (0.25,0.61)			
A G A C	0.20	0.16	0.23	1.00			
Rare	0.01	0.01	0.01	0.70 (0.22,2.22)			
Global association <i>p</i> -value					1.40E-04	5.77E-02	2.00E-06

^aCalculated using Combined dataset.