

Supplemental Table S12. Haplotype Frequencies of HLA-DPA1-DPB1 in Patients with ICI-T1DM

Haplotype DPA1-DPB1	ICI-T1DM (n=14)					ICI-controls (n=26)			Controls (n=3,072) ^a	ICI-T1DM vs. ICI-controls			ICI- controls vs. controls
	Number	F, %	P value ^b	OR	95% CI	Number	F, %	P value ^b	F, %	P value ^b	OR	95% CI	P value ^b
*02:02-*05:01	10	71.4	0.016 ^c	4.85	1.42–16.62	7	26.9	NS	34.25	0.0093 ^c	6.79	1.60–28.86	NS
*01:03-*02:01	1	7.1	NS			6	23.1	NS	21.06	NS			NS
*02:01-*09:01	0	0	NS			0	0.0	NS	10.25	NS			NS
*01:03-*04:02	1	7.1	NS			3	11.5	NS	9.67	NS			NS
*01:03-*04:01	0	0	NS			2	7.7	NS	4.88	NS			NS
*02:02-*03:01	0	0	NS			2	7.7	NS	3.26	NS			NS
*02:02-*02:01	0	0	NS			0	0.0	NS	2.70	NS			NS
*02:01-*05:01	0	0	NS			0	0.0	NS	2.67	NS			NS
*02:02-*02:02	0	0	NS			1	3.8	NS	2.38	NS			NS
*01:03-*03:01	0	0	NS			2	7.7	NS	1.86	NS			NS
*02:01-*13:01	0	0	NS			1	3.8	NS	1.66	NS			NS
*01:03-*02:02	0	0	NS			1	3.8	NS	1.53	NS			NS
*02:01-*14:01	0	0	NS			1	3.8	NS	1.14	NS			NS
*02:02-*19:01	1	7.1	NS			0	0.0	NS	0.49	NS			NS
*02:07-*05:01	1	7.1	NS			0	0.0	NS	0.03	NS			NS
Others	0	0	NS			0	0.0	NS	2.17	NS			NS
Total	14	100.00				26	100.00		100.00				

Haplotypes with frequencies more than 1.0% in controls were included to the analysis (15 haplotypes).

HLA-DPA1-DPB1, human leukocyte antigen DPA1-DPB1; ICI-T1DM, immune-checkpoint inhibitor-induced type 1 diabetes mellitus; F, frequency of the allele; OR, odds ratio; CI, confidence interval; NS, not significant.

^aControl subjects: HLA Laboratory, Japan INC (http://hla.or.jp/med/frequency_search/ja/haplo/) [17]; ^bThe association of haplotype frequencies with each disease was analyzed using Fisher's exact test with 2×2 contingency tables; ^cP values less than 0.05.