

Supplemental Table S13. Haplotype Frequencies of HLA-DRB1-DQB1-DPB1 in Patients with ICI-T1DM

Haplotype DRB1-DQB1-DPB1	ICI-T1DM (n=14)					ICI-controls (n=26)			Controls (n=2,938) ^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	P value ^b
*15:02-*06:01-*09:01	0	0.0	NS				0.00	NS	8.88	NS	NS
*04:05-*04:01-*05:01	4	28.6	0.029 ^c	5.31	1.32–21.36	2	7.69	NS	7.32	NS	NS
*09:01-*03:03-*05:01	1	7.1	NS			1	3.85	NS	6.77	NS	NS
*09:01-*03:03-*02:01	0	0.0	NS			1	3.85	NS	5.28	NS	NS
*01:01-*05:01-*04:02	0	0.0	NS			1	3.85	NS	4.08	NS	NS
*13:02-*06:04-*04:01	0	0.0	NS			2	7.69	NS	3.68	NS	NS
*08:03-*06:01-*05:01	3	21.4	0.039 ^c	6.55	1.29–33.13	1	3.85	NS	3.54	NS	NS
*15:01-*06:02-*02:01	0	0.0	NS			2	7.69	NS	3.06	NS	NS
*15:01-*06:02-*05:01	0	0.0	NS			1	3.85	NS	3.03	NS	NS
*04:05-*04:01-*02:01	0	0.0	NS			0	0.00	NS	2.28	NS	NS
*08:03-*06:01-*02:01	0	0.0	NS			0	0.00	NS	1.91	NS	NS
*08:02-*03:02-*05:01	1	7.1	NS			0	0.00	NS	1.84	NS	NS
*08:03-*06:01-*02:02	0	0.0	NS			1	3.85	NS	1.60	NS	NS
*04:05-*04:01-*04:02	0	0.0	NS			0	0.00	NS	1.53	NS	NS
*12:01-*03:01-*05:01	1	7.1	NS			0	0.00	NS	1.43	NS	NS
*04:06-*03:02-*02:01	1	7.1	NS			1	3.85	NS	1.33	NS	NS
*04:06-*03:02-*05:01	0	0.0	NS			0	0.00	NS	1.12	NS	NS
*12:02-*03:01-*05:01	0	0.0	NS			0	0.00	NS	1.09	NS	NS
*11:01-*03:01-*05:01	0	0.0	NS			0	0.00	NS	1.06	NS	NS
*01:01-*05:01-*05:01	0	0.0	NS			0	0.00	NS	1.02	NS	NS
*04:03-*03:02-*02:01	0	0.0	NS			1	3.85	NS	1.02	NS	NS
*15:02-*06:01-*02:01	0	0.0	NS			1	3.85	NS	0.919	NS	NS
*14:54-*05:03-*05:01	1	7.1	NS			0	0.00	NS	0.85	NS	NS
*04:05-*04:01-*03:01	0	0.0	NS			1	3.85	NS	0.749	NS	NS
*12:01-*03:03-*05:01	0	0.0	NS			1	3.85	NS	0.749	NS	NS
*09:01-*03:03-*04:02	1	7.1	NS			1	3.85	NS	0.65	NS	NS
*04:10-*04:02-*03:01	0	0.0	NS			1	3.85	NS	0.545	NS	NS
*15:01-*06:02-*13:01	0	0.0	NS			1	3.85	NS	0.443	NS	NS
*04:05-*04:01-*19:01	1	7.1	NS			0	0.00	NS	0.37	NS	NS
*04:03-*03:02-*03:01	0	0	NS			1	3.85	NS	0.34	NS	NS
*15:01-*06:02-*03:01	0	0	NS			1	3.85	NS	0.272	NS	NS
*04:05-*04:01-*02:02	0	0	NS			1	3.85	NS	0.17	NS	NS
*04:03-*03:02-*04:02	0	0	NS			1	3.85	NS	0.14	NS	NS
*01:01*05:03-*05:01	0	0	NS			1	3.85	NS	0.00	NS	NS
*11:01-*03:03-*14:01	0	0.0	NS			1	3.85	NS	0.00	NS	NS
Others	0	0.0	NS			0	0.00	NS	31.96	NS	NS
Total	14	100.00				26	100.00		101.02		

Haplotypes with frequencies more than 1.0% in controls were included to the analysis (35 haplotypes).

HLA-DRB1-DQB1-DPB1, human leukocyte antigen DRB1-DQB1-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.