

Supplemental Table S10. Haplotype Frequencies of HLA-A-C-B in Patients with ICI-T1DM

Haplotype A-C-B	ICI-T1DM (n=14)			ICI-controls (n=26)			Controls (n=19,340) ^a	ICI-T1DM vs. ICI-controls	ICI-controls vs. controls
	Number	F, %	P value ^b	Number	F, %	P value ^b	F, %	P value ^b	P value ^b
*24:02-*12:02-*52:01	1	7.1	NS	3	11.54	NS	9.63	NS	NS
*33:03-*14:03-*44:03	1	7.1	NS	2	7.69	NS	5.79	NS	NS
*24:02-*07:02-*07:02	0	0	NS	2	7.69	NS	4.21	NS	NS
*24:02-*01:02-*54:01	0	0	NS	1	3.85	NS	3.69	NS	NS
*02:07-*01:02-*46:01	0	0	NS	3	11.54	NS	2.58	NS	NS
*31:01-*14:02-*51:01	0	0	NS	0	0.00	NS	2.30	NS	NS
*24:02-*14:02-*51:01	0	0	NS	0	0.00	NS	2.16	NS	NS
*26:01-*03:04-*40:02	0	0	NS	1	3.85	NS	1.84	NS	NS
*24:02-*03:04-*40:02	0	0	NS	1	3.85	NS	1.73	NS	NS
*11:01-*04:01-*15:01	0	0	NS	0	0.00	NS	1.70	NS	NS
*11:01-*01:02-*54:01	0	0	NS	0	0.00	NS	1.51	NS	NS
*24:02-*03:04-*40:01	0	0	NS	1	3.85	NS	1.24	NS	NS
*24:02-*08:01-*40:06	0	0	NS	1	3.85	NS	1.19	NS	NS
*02:06-*03:03-*35:01	0	0	NS	1	3.85	NS	1.17	NS	NS
*26:01-*03:03-*35:01	0	0	NS	1	3.85	NS	1.05	NS	NS
*26:01-*03:03-*35:01	1	7.1	NS	0	0.00	NS	1.05	NS	NS
*26:01-*03:03-*15:01	0	0	NS	2	7.69	NS	0.79	NS	NS
*26:02-*08:01-*40:06	1	7.1	NS	0	0.00	NS	0.78	NS	NS
*02:01-*01:02-*54:01	0	0	NS	1	3.85	NS	0.63	NS	NS
*02:01-*03:03-*15:11	0	0	NS	1	3.85	NS	0.45	NS	NS
*26:03-*03:03-*35:01	0	0	NS	1	3.85	NS	0.42	NS	NS
*02:06-*01:02-*54:01	1	7.1	NS	0	0.00	NS	0.39	NS	NS
*02:06-*01:02-*59:01	1	7.1	NS	0	0.00	NS	0.33	NS	NS
*02:01-*01:02-*46:01	1	7.1	NS	0	0.00	NS	0.31	NS	NS
*24:02-*08:03-*54:01	1	7.1	NS	0	0.00	NS	0.21	NS	NS
*11:01-*03:04-*40:02	1	7.1	NS	0	0.00	NS	0.17	NS	NS
*02:01-*01:02-*15:01	1	7.1	NS	0	0.00	NS	0.13	NS	NS
*26:01-*03:03-*15:11	0	0	NS	1	3.85	NS	0.11	NS	NS
*31:01-*14:03-*44:03	1	7.1	NS	0	0.00	NS	0.08	NS	NS
*02:01-*03:03-*40:01	1	7.1	NS	0	0.00	NS	0.05	NS	NS
*31:01-*15:02-*40:01	0	0	NS	1	3.85	NS	0.05	NS	NS
*02:07-*01:02-*15:01	0	0	NS	1	3.85	NS	0.04	NS	NS
*33:03-*08:01-*40:06	0	0	NS	1	3.85	NS	0.04	NS	NS
*31:01-*01:02-*15:01	1	7.1	NS	0	0.00	NS	0.04	NS	NS
*11:02-*01:02-*54:01	1	7.1	NS	0	0.00	NS	0.01	NS	NS
Others	0	0	NS	0	0.00	NS	52.16	NS	NS
Total	14	100.00		26	100.00		100.00		

Haplotypes with frequencies more than 1.5% in controls were included to the analysis (35 haplotypes).

HLA-DPB1, human leukocyte antigen DPB1; ICI-T1DM, immune-checkpoint inhibitor-induced type 1 diabetes mellitus; F, frequency of the allele; 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.