

**Supplemental Table S11.** Haplotype Frequencies of HLA-DRB1-DQB1 in Patients with ICI-T1DM

Haplotype DRB1-DQB1	ICI-T1DM (n=14)					ICI-controls (n=26)			Controls (n=2,990) <sup>a</sup>	ICI- T1DM vs. ICI- controls	ICI-controls vs. controls		
	Number	F, %	P value <sup>b</sup>	OR	95% CI	Number	F, %	P value <sup>b</sup>	F, %	P value <sup>b</sup>	P value <sup>b</sup>	OR	95% CI
*01:01*05:01	0	0.0	NS			1	3.8	NS	6.05	NS	NS		
*01:01*05:03	0	0.0	NS			1	3.8	NS	0.00	NS	NS		
*04:01-*03:01	0	0.0	NS			0	0.0	NS	1.00	NS	NS		
*04:03-*03:02	0	0.0	NS			3	11.5	NS	2.67	NS	NS		
*04:05-*04:01	5	35.7	0.045 <sup>c</sup>	3.72	1.08–12.83	4	15.4	NS	12.83	NS	NS		
*04:06-*03:02	1	7.1	NS			1	3.8	NS	3.14	NS	NS		
*04:10-*04:02	0	0.0	NS			1	3.8	NS	1.84	NS	NS		
*08:02-*03:02	1	7.1	NS			0	0.0	NS	2.51	NS	NS		
*08:02-*04:02	0	0.0	NS			0	0.0	NS	2.34	NS	NS		
*08:03-*06:01	3	21.4	NS			2	7.7	NS	8.16	NS	NS		
*09:01-*03:03	2	14.3	NS			3	11.5	NS	14.47	NS	NS		
*11:01-*03:01	0	0.0	NS			0	0.0	NS	2.74	NS	NS		
*11:01-*03:03	0	0.0	NS			1	3.8	NS	0.07	NS	NS		
*12:01-*03:01	1	7.1	NS			1	3.8	NS	2.61	NS	NS		
*12:02-*03:01	0	0.0	NS			0	0.0	NS	1.87	NS	NS		
*13:02-*06:04	0	0.0	NS			2	7.7	NS	5.18	NS	NS		
*14:03-*03:01	0	0.0	NS			0	0.0	NS	1.20	NS	NS		
*14:05-*05:03	0	0.0	NS			0	0.0	NS	1.97	NS	NS		
*14:06-*03:01	0	0.0	NS			0	0.0	NS	1.24	NS	NS		
*14:54-*05:02	0	0.0	NS			0	0.0	NS	1.64	NS	NS		
*14:54-*05:03	1	7.1	NS			0	0.0	NS	1.94	NS	NS		
*15:01-*06:02	0	0.0	NS			6	23.1	NS	7.15	NS	0.0269	3.99	1.21–13.14
*15:02-*06:01	0	0.0	NS			0	0.0	NS	10.86	NS	NS		
Others	0	0.0	NS			0	0.00	NS	6.52	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 (23 haplotypes).

HLA-DRB1-DQB1, human leukocyte antigen DRB1-DQB1; ICI-T1DM, immune-checkpoint inhibitor-induced type 1 diabetes mellitus; F, frequency of the allele; OR, odds ratio; CI, confidence interval; NS, not significant.

<sup>a</sup>Control subjects: HLA Laboratory, Japan INC ([http://hla.or.jp/med/frequency\\_search/ja/haplo/](http://hla.or.jp/med/frequency_search/ja/haplo/)) [17]; <sup>b</sup>The association of haplotype frequencies with each disease was analyzed using Fisher's exact test with 2×2 contingency tables; <sup>c</sup>P value less than 0.05.