

**Supplemental Table S3.** Allele Frequencies of HLA-C in Patients with ICI-T1DM

Allele	ICI-T1DM (n=14)					ICI-controls (n=26)			Controls (n=411,529) <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>
C*01:02	6	42.9	0.035 <sup>c</sup>	3.66	1.13–11.92	6	23.1	NS	17.25	NS	NS
C*03:03	2	14.3	NS			7	26.9	NS	13.80	NS	NS
C*03:04	1	7.1	NS			3	11.5	NS	12.02	NS	NS
C*04:01	1	7.1	NS			0	0.0	NS	4.32	NS	NS
C*07:02	0	0.0	NS			2	7.7	NS	12.71	NS	NS
C*08:01	1	7.1	NS			2	7.7	NS	7.36	NS	NS
C*08:03	0	0.0	NS			0	0.0	NS	1.44	NS	NS
C*12:02	1	7.1	NS			3	11.5	NS	10.98	NS	NS
C*14:02	0	0.0	NS			0	0.0	NS	6.85	NS	NS
C*14:03	2	14.3	NS			2	7.7	NS	6.48	NS	NS
C*15:02	0	0.0	NS			1	3.8	NS	3.07	NS	NS
Others	0	0.0	NS			0	0.0	NS	3.72	NS	NS
Total	14	100.0				26	100.00		100.00		

Alleles with frequencies more than 1.0% in controls were included to the analysis (11 alleles).

HLA-C, human leukocyte antigen C; 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: Japanese Society for Histocompatibility and Immunogenetics (<http://jshi.umin.ac.jp/standardization/file/JSHI-hyokiallele-2021list.pdf>) (JSHI2021) [16]; <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.