

Supplemental Table S4. Allele Frequencies of HLA-DR in Patients with ICI-T1DM

Allele	ICI-T1DM (n=14)					ICI-controls (n=26)			Controls (n=587,057) ^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
DRB1*01:01	0	0.0	NS			2	7.7	NS	5.65	NS	NS
DRB1*04:01	0	0.0	NS			0	0.0	NS	1.03	NS	NS
DRB1*04:03	0	0.0	NS			3	11.5	NS	3.13	NS	NS
DRB1*04:05	5	35.7	0.045 ^c	3.72	1.08–12.83	4	15.4	NS	13.41	NS	NS
DRB1*04:06	1	7.1	NS			1	3.8	NS	3.29	NS	NS
DRB1*04:10	0	0.0	NS			1	3.8	NS	2.12	NS	NS
DRB1*08:02	1	7.1	NS			0	0.0	NS	4.30	NS	NS
DRB1*08:03	3	21.4	NS			2	7.7	NS	7.93	NS	NS
DRB1*09:01	2	14.3	NS			3	11.5	NS	14.59	NS	NS
DRB1*11:01	0	0.0	NS			1	3.8	NS	2.50	NS	NS
DRB1*12:01	1	7.1	NS			1	3.8	NS	3.68	NS	NS
DRB1*12:02	0	0.0	NS			0	0.0	NS	1.69	NS	NS
DRB1*13:02	0	0.0	NS			2	7.7	NS	6.33	NS	NS
DRB1*14:03	0	0.0	NS			0	0.0	NS	1.63	NS	NS
DRB1*14:05	0	0.0	NS			0	0.0	NS	2.14	NS	NS
DRB1*14:06	0	0.0	NS			0	0.0	NS	1.54	NS	NS
DRB1*14:54	1	7.1	NS			0	0.0	NS	3.49	NS	NS
DRB1*15:01	0	0.0	NS			5	19.2	NS	7.90	NS	NS
DRB1*15:02	0	0.0	NS			1	3.8	NS	10.26	NS	NS
Others	0	0.0	NS			0	0.0	NS	3.39	NS	NS
Total	14	100.00				26	100.00		100.00		

Alleles with frequencies more than 1.0% in controls were included to the analysis (19 alleles).

HLA-DR, human leukocyte antigen DR; 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: Japanese Society for Histocompatibility and Immunogenetics (<http://jshi.umin.ac.jp/standardization/file/JSHI-hyokiallele-2021list.pdf>) (JSHI2021) [16]; ^bThe association of haplotype frequencies with each disease was analyzed using Fisher's exact test with 2×2 contingency tables; ^cP value less than 0.05.