### Supplemental Table S12. Haplotype Frequencies of HLA-DPA1-DPB1 in Patients with ICI-T1DM

<table>
<thead>
<tr>
<th>Haplotype</th>
<th>ICI-T1DM (n=14)</th>
<th>ICI-controls (n=26)</th>
<th>Controls (n=3,072)</th>
<th>ICI-T1DM vs. ICI-controls</th>
<th>ICI-controls vs. controls</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>F, %</td>
<td>P value(^a)</td>
<td>OR</td>
<td>95% CI</td>
</tr>
<tr>
<td>*02:02-*05:01</td>
<td>10</td>
<td>71.4</td>
<td>0.016*</td>
<td>4.85</td>
<td>1.42–16.62</td>
</tr>
<tr>
<td>*01:03-*02:01</td>
<td>1</td>
<td>7.1</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:01-*09:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*01:03-*04:02</td>
<td>1</td>
<td>7.1</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*01:03-*04:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:02-*03:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:02-*02:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:01-*05:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:02-*02:02</td>
<td>1</td>
<td>3.8</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*01:03-*03:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:01-*13:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*01:03-*02:02</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:01-*14:01</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:02-*19:01</td>
<td>1</td>
<td>7.1</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*02:07-*05:01</td>
<td>1</td>
<td>7.1</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>0</td>
<td>0</td>
<td>NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>14</td>
<td>100.00</td>
<td></td>
<td></td>
<td>26</td>
</tr>
</tbody>
</table>

Haplotypes with frequencies more than 1.0% in controls were included to the analysis (15 haplotypes).
HLA-DPA1-DPB1, human leukocyte antigen DPA1-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.

*Control subjects: HLA Laboratory, Japan INC (http://hla.or.jp/med/frequency_search/ja/haplo/) [17]; *The association of haplotype frequencies with each disease was analyzed using Fisher’s exact test with 2×2 contingency tables; *P values less than 0.05.