**Supplementary Table S1 and S2**

**Supplementary Table S1: List of most frequent MHC-class I alleles**

|  |  |
| --- | --- |
| **Allele**  **(NetMHCpan 4.1 EL)** | **Allele**  **(SMM)** |
| HLA-A\*01:01  HLA-A\*01:01  HLA-A\*02:01  HLA-A\*02:01  HLA-A\*02:03  HLA-A\*02:03  HLA-A\*02:06  HLA-A\*02:06  HLA-A\*03:01  HLA-A\*03:01  HLA-A\*11:01  HLA-A\*11:01  HLA-A\*23:01  HLA-A\*23:01  HLA-A\*24:02  HLA-A\*24:02  HLA-A\*26:01  HLA-A\*26:01  HLA-A\*30:01  HLA-A\*30:01  HLA-A\*30:02  HLA-A\*30:02  HLA-A\*31:01  HLA-A\*31:01  HLA-A\*32:01  HLA-A\*32:01  HLA-A\*33:01  HLA-A\*33:01  HLA-A\*68:01  HLA-A\*68:01  HLA-A\*68:02  HLA-A\*68:02  HLA-B\*07:02  HLA-B\*07:02  HLA-B\*08:01  HLA-B\*08:01  HLA-B\*15:01  HLA-B\*15:01  HLA-B\*35:01  HLA-B\*35:01  HLA-B\*40:01  HLA-B\*40:01  HLA-B\*44:02  HLA-B\*44:02  HLA-B\*44:03  HLA-B\*44:03  HLA-B\*51:01  HLA-B\*51:01  HLA-B\*53:01  HLA-B\*53:01  HLA-B\*57:01  HLA-B\*57:01  HLA-B\*58:01  HLA-B\*58:01 | HLA-A\*01:01  HLA-A\*02:01  HLA-A\*02:06  HLA-A\*03:01  HLA-A\*11:01  HLA-A\*23:01  HLA-A\*24:02  HLA-A\*25:01  HLA-A\*26:01  HLA-A\*29:02  HLA-A\*30:01  HLA-A\*30:02  HLA-A\*31:01  HLA-A\*32:01  HLA-A\*68:01  HLA-A\*68:02  HLA-B\*07:02  HLA-B\*08:01  HLA-B\*14:02  HLA-B\*15:01  HLA-B\*15:02  HLA-B\*18:01  HLA-B\*27:05  HLA-B\*35:01  HLA-B\*35:03  HLA-B\*38:01  HLA-B\*39:01  HLA-B\*40:01  HLA-B\*40:02  HLA-B\*44:02  HLA-B\*44:03  HLA-B\*46:01  HLA-B\*48:01  HLA-B\*51:01  HLA-B\*53:01  HLA-B\*57:01  HLA-B\*58:01  HLA-B\*58:02  HLA-C\*03:03  HLA-C\*04:01  HLA-C\*05:01  HLA-C\*06:02  HLA-C\*07:01  HLA-C\*07:02  HLA-C\*08:02  HLA-C\*12:03  HLA-C\*14:02  HLA-C\*15:02  HLA-E\*01:01  HLA-E\*01:03 |

**Supplementary Table S2: List of most frequent MHC-class II alleles**

|  |  |
| --- | --- |
| **Allele**  **(NetNHCIIpan-4.1)** | **Allele**  **(SMM align method)** |
| HLA-DRB1\*04:05  HLA-DRB1\*07:01  HLA-DRB1\*08:02  HLA-DRB1\*09:01  HLA-DRB1\*11:01  HLA-DRB1\*12:01  HLA-DRB1\*13:02  HLA-DRB1\*15:01  HLA-DRB3\*01:01  HLA-DRB3\*02:02  HLA-DRB4\*01:01  HLA-DRB5\*01:01  HLA-DQA1\*05:01/DQB1\*02:01  HLA-DQA1\*05:01/DQB1\*03:01  HLA-DQA1\*03:01/DQB1\*03:02  HLA-DQA1\*04:01/DQB1\*04:02  HLA-DQA1\*01:01/DQB1\*05:01  HLA-DQA1\*01:02/DQB1\*06:02  HLA-DPA1\*02:01/DPB1\*01:01  HLA-DPA1\*01:03/DPB1\*02:01  HLA-DPA1\*01:03/DPB1\*04:01  HLA-DPA1\*03:01/DPB1\*04:02  HLA-DPA1\*02:01/DPB1\*05:01  HLA-DPA1\*02:01/DPB1\*14:01 | DRB1\*01:01  DRB1\*03:01  DRB1\*04:01  DRB1\*04:04  DRB1\*04:05  DRB1\*07:01  DRB1\*08:02  DRB1\*09:01  DRB1\*11:01  DRB1\*12:01  DRB1\*13:02  DRB1\*15:01  DRB3\*01:01  DRB4\*01:01  DRB5\*01:01 |