

**Supplementary Table 2.
Information on 51 immune
checkpoint-related genes and 23
MHC-related genes.**

| Checkpoints | MHC |
|--------------------|------------|
| PD-L1 | HLA-E |
| PD1 | HLA-DPB2 |
| TIM3 | HLA-C |
| CTLA4 | HLA-J |
| B7-H4 | HLA-DQB1 |
| B7-H3 | HLA-DQB2 |
| BTLA | HLA-DQA1 |
| VISTA | HLA-A |
| IDO1 | HLA-DMA |
| PSGL-1 | HLA-DOB |
| LAG3 | HLA-DRB1 |
| PD-L2 | HLA-H |
| OX40 | HLA-B |
| IDO2 | HLA-DRB5 |
| TNFRSF8 | HLA-DOA |
| CD27 | HLA-DPB1 |
| ICOS | HLA-DRA |
| TNFRSF18 | HLA-DRB6 |
| TIGIT | HLA-L |
| TNFRSF9 | HLA-F |
| TNFRSF14 | HLA-G |
| TNFRSF4 | HLA-DMB |
| CD28 | HLA-DPA1 |
| LGALS9 | |
| CD70 | |
| CD80 | |
| LGALS9 | |
| CD70 | |
| CD80 | |
| TNFSF15 | |
| NRP1 | |
| BTNL2 | |
| HHLA2 | |
| ICOSLG | |
| CD40 | |
| TNFSF9 | |
| TNFSF14 | |
| CD86 | |
| KIR3DL1 | |
| CD200 | |
| ADORA2A | |
| TNFRSF25 | |
| CD244 | |
| CD48 | |
| LAIR1 | |

CD40LG
TMIGD2
CD200R1
TNFSF18
CD44
CD160
