**Supplementary Table 1.** The sequences of primers.

| Gene   | Forward (5’-3’)       | Reverse (5’-3’)       |
|--------|-----------------------|-----------------------|
| IL-2   | AGAACTCAAAACCTCTGGAGGAAG | GCTGTCTCATCAGCATATTCACAC |
| PD-L1  | CCATACAGCTGAATTGGTCATC | CAGAATTACCAAGTGAGTCCTTTCA |
| HLA-A  | GTGGCCTCATGGTCAGAGAT  | GCAGTTGAGAGCCTACCTGG   |
| HLA-B  | GTGATCTCCGCAGGGTAGAA  | TCCGCAGATACCTGGAGAAC   |
| HLA-C  | TGATCTCCGCAGGGTAGAAG  | CAGATACCTGGAGAACGGGA   |
| β-Actin| CACCATTGGCAATGAGCGGTTTC | AGGTCTTTGCGGATGTCACAGT |