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| **Human target gene** | **TaqMan® GEx Assay ID** | **Probe detection system** |
| C-C motif chemokine ligand 2 (CCL2) | Hs00234140\_m1 | FAM-MGB |
| Interleukin 8 (IL-8) | Hs00174103\_m1 | FAM-MGB |
| Programmed cell death 1 ligand 1 (PDL1) | Hs00204257\_m1 | FAM-MGB |
| Programmed cell death 1 (PDCD1) | Hs00169472\_m1 | FAM-MGB |
| Hepatitis A virus cellular receptor 2 (HAVCR2) | Hs00958618\_m1 | FAM-MGB |
| Cytotoxic T-lymphocyte associated protein 4 (CTLA4) | Hs00175480\_m1 | FAM-MGB |
| Spleen associated tyrosine kinase (SYK) | Hs00895377\_m1 | FAM-MGB |
| LCK proto-oncogene, Src family tyrosine kinase (LCK) | Hs00178427\_m1 | FAM-MGB |
| Interleukin 10 (IL-10) | Hs00961622\_m1 | FAM-MGB |
| Toll like receptor 2 (TLR2) | Hs02621280\_s1 | FAM-MGB |
| Toll like receptor 4 (TLR4) | Hs00152939\_m1 | FAM-MGB |
| Glucuronidase beta (GUSB) | Hs00939627\_m1 | VIC-MGB |

**Supplementary Table 1**. Descriptions and TaqMan Gene Expression assays IDs of target genes and reference gene used for data validation by RT-PCR.