

| Gene | Forward primer | Reverse primer | Probe |
|--------|-------------------------------|--------------------------------------|-------|
| HPRT | 5'-TGACCTTGATTTATTTGCATACC-3' | 5'-CGAGCAAGACG TTCAGTCCT-3' | 73 |
| FOXP3 | 5'-ACCTACGCCACGCTCATC-3' | 5'-TCATTAAGTGTCCGCTGCT-3' | 50 |
| CTLA4 | 5'-TCACAGCTGTTTCTTTGAGCA-3' | 5'-AGGCTGAAATTGCTTTTCACA-3' | 21 |
| CD49B | 5'-TCGTGCACAGTTTTGAAGATG-3' | 5'-TGGAACACTTCCTGTTGTTACC-3' | 7 |
| LAG3 | 5'-CAAGAACGCTTTGTGTGGAG-3' | 5'-CCAGCCAAGGTCCTGAGA-3' | 82 |
| IL10RA | 5'-CCGAAAGAAGCTACCCAGTG-3' | 5'-GGACGCTGGCTGATGAAG-3' | 23 |
| IL10RB | 5'-GGTCGTGTGCTTGGAGGA-3' | 5'-GGTACCATTCCCAATGCTGA-3' | 20 |
| CD226 | 5'-CGTGATGAGATTGACTGTAGCC-3' | 5'- AACAAACAACAACAATAAAACTGTCC-3' | 5 |
| PRDM1 | 5'-ACGTGTGGGTACGACCTTG-3' | 5'-CTGCCAATCCCTGAAACCT-3' | 67 |
| PDCD1 | 5'-AGAAGGCGGCACTCTGGT-3' | 5'-GGCCTGTCTGGGGAGTCTA-3' | 32 |
| AHR | 5'-AGCCGGTGCAGAAAACAGT-3' | 5'-CTATGCCGCTTGGAAGGAT-3' | 33 |
| RORC | 5'-CAGCGCTCCAACATCTTCT-3' | 5'-CCACATCTCCACATGGACT-3' | 69 |
| IL23R | 5'-CCTGGCTCTGAAGTGGAATTA-3' | 5'-GGCTATTACTGCATCCCATTG-3' | 38 |

Table S3 Primers and probes used for RT-PCR