

Table S1. Primer sequences of related genes for rat M1/M2 macrophages and Th17/Treg lymphocytes.

| Gene               | Sequence                                                                        |
|--------------------|---------------------------------------------------------------------------------|
| rat-GAPDH          | Forward 5'-ACTCCACGACGTA CT CAGCG-3'<br>Reverse 5'-GGTCGGAGTCAACGGATTG-3'       |
| rat-CD86           | Forward 5'-TAAGCAAGGTCACCCGAAAC-3'<br>Reverse 5'-AGCAGCATCACAAGGAGGAG-3'        |
| rat-iNOS           | Forward 5'-GGATCTTCCCAGGCAACCA-3'<br>Reverse 5'-AATCCACA ACTCGCTCCAAGATT-3'     |
| rat-CCR7           | Forward 5'-CAGGTGTGCTTCTGCCAAGAT3'<br>Reverse 5'-GGTAGGTATCCGTCATGGTCT-3'       |
| rat-IL-1 $\beta$   | Forward 5'-TCTGTGACTCGTGGGATGAT-3'<br>Reverse 5'-CTTCTTTGGGTATTGTTTG-3'         |
| rat-TNF- $\alpha$  | Forward 5'-GGATCTCAAAGACAACCAAC-3°<br>Reverse 5'-ACAGAGCAATGACTCCAAAG-3'        |
| rat-IL-6           | Forward 5'-ACAGTGCATCATCGCTGTTC-3'<br>Reverse 5'-CCGGAGAGGAGACTTCACAG-3'        |
| rat-IL-18          | Forward 5'-CAACCGCAGTAATACGGAGC-3'<br>Reverse 5'-TCTGGTCTGGGATTCTGTTGG-3'       |
| rat-CD163          | Forward 5'-GTTCCCTGCATAGCAAGTGG-3'<br>Reverse 5'-CCGAAGTAAGCAGAGCCAGT-3'        |
| rat-Arg-1          | Forward 5'-GCATCCACGTCGTTCAAAACA-3'<br>Reverse 5'-GTTATCTCTGTGCCCTGTGGG-3'      |
| rat-IL-17          | Forward 5'-CCATCCATGTGCCTGATGCT-3'<br>Reverse 5'-AAGTTATTGGCCTCGGCGTT-3'        |
| rat-ROR $\gamma$ t | Forward 5'-AGTGAATGTGGCCTACTCCT-3<br>Reverse 5'-GCTGCTGTTGCAGTTGTTTCT-3'        |
| rat-IL-21          | Forward 5'-TGATGTCTGCCTGTGACCTGTG-3'<br>Reverse 5'-CCAGAGGTAGTCAGTGTAGCAGGTG-3' |
| rat-TGF- $\beta$   | Forward 5'-CTGCTGACCCCACTGATAC-3'<br>Reverse 5'-AGCCCTGTATTCCGTCCTCT-3'         |
| rat-FOXP3          | Forward 5'-CCCAGGAAAGACAGCAACC-3'<br>Reverse 5'-TTCTCACAACCAGGCCACTTG-3'        |
| rat-IL-10          | Forward 5'-GCCAAGCCTTGTCAGAAATGA-3'<br>Reverse 5'-TTTCTGGGGCCATGGTTCTCT-3'      |