**Supplemental Table 1 Primer sequences for qPCR**

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| Genes | Forward (5’- 3’ ) | reverse (5’- 3’ ) |
| Mouse GDF15 | CGGGGCGCTGCTGTCACTTG | CCCGGGCCACCAGGTCATCATA |
| Human GDF15 | CTCCAGATTCCGAGAGTTGC | AGAGATACGCAGGTGCAGGT |
| Mouse GAPDH | GGGGTGA GGCCGGTGCTGAGTAT | CATTGGGGTAGGAACACGGAAGG  |
| IL-2 | ACATTGACACTTGTGCTCCGTGTC | TTGAGGGCTTGTTGAGATGATGCT |
| IL-12 p35 | ATGATGACCCTGTGCCTTGG | CCTTTGGGGAGATGAGATGT |
| IFNγ | CCATCGGCTGACCTAGAGAAGACA | AGCCAGAAACAGCCATGAGGAAGA |
| TGFβ | AACAAACTCCACGTGGAAATCAAC | CTTGCGACCCACGTAGTAGACGAT |
| IDO 1 | GTACATCACCATGGCGTATG | CGAGGAAGAAGCCCTTGTC |
| IDO 2 | GTGGGGCTGGTCTATGAAGGTG | TGGTGGCAGCGGAGATAATGTA |
| PDL-1 | TATGGTGGTGCCGACTACAA  | TGGCTCCCAGAATTACCAAG |
| Galectin 9 | GCATTGGTTCCCCTGAGA TAG | CGTTCCAGAGACCGGATCC′  |
| PD1 | GGCCGCCTTCTGTAATGGTTTGA | AGGGGCTGGGATATCTTGTTGAGG |
| TIM3 | AGTGGGAGTCTCTGCTGGGTTGA | AGGATGGCTGCTGGCTGTTGA |
| BTLA | TGCAGGAGCCAGAAGAGAAAGTCA | CAATGTGGGGGTCAGGGATGG |
| Rel B | CCGTGCCGACTTCTCTCAAG | GGGTGGCGTTTTGAACACA |
| Rel A | GCGTACACATTCTGGGGAGT | ACCGAAGCAGGAGCTATCAA |
| GFRAL- 1 | TGGGATGTTGGTTGGTGTCA | GACTGCTCACAGCCATTTGC |
| GFRAL- 2 | GGCGTTACACAGGCTGAAGA | CTGCCATGCACACAACAACA |
| GFRAL- 3 | CCCCACTTGCCTCAGTGTAA | GCAGCTCTCACTCCCAGAAC |