Table xxSupp. RT-qPCR primer sequences.

Gene	Sequence 5′-3′	Annealing T °C	Accesion Number
Il-6	FW: TACCACTTCACAAGTCGGAGGC RV: CTGCAAGTGCATCATCGTTGTTC	60	NM_031168
Il-17	FW: TTTAACTCCCTTGGCGCAAAA RV: CTTTCCCTCCGCATTGACAC	61	NM_010552
Tnf-α	FW: GGTGCCTATGTCTCAGCCTCTT RV: GCCATAGAACTGATGAGAGGGAG	60	NM_013693
Il-23	FW: AGCAACTTCACACCTCCCTAC RV: ACTGCTGACTAGAACTCAGGC	62	NM_031252
Il-10	FW: AGAAGCATGGCCCAGAAATCA RV: GGCCTTGTAGACACCTTGGT	62	NM_010548
Cxcl1	FW: GGGTGTTGTGCGAAAAGAAGTGC RV: GGGAAGCGTCAACACGTGCG	62	NM_008176
Tgf-β	FW: CCGCAACAACGCCATCTATG RV: CTCTGCACGGGACAGCAAT	62	NM_011577
Foxp3	FW: GGTACACCCAGGAAAGACAGC RV: AAGACCTTCTCACAACCAGGC	62	NM_054039
F4/80 (Adgre1)	FW: CGTGTTGTTGGTGGCACTGTGA RV: CCACATCAGTGTTCCAGGAGAC	60	NM_010130
iNOS	FW: GAGACAGGGAAGTCTGAAGCAC RV: CCAGCAGTAGTTGCTCCTCTTC	60	NM_010927
Cat	FW: CGGCACATGAATGGCTATGGATC RV: AAGCCTTCCTGCCTCTCCAACA	60	NM_009804
Sod1	FW: AACCAGTTGTGTTGTCAGGAC RV: CCACCATGTTTCTTAGAGTGAGG	60	NM_011434
ZO-1	FW: GTTGGTACGGTGCCCTGAAAGA RV: GCTGACAGGTAGGACAGACGAT	60	NM_009386.1
Ocln	FW: TGGCAAGCGATCATACCCAGAG RV: CTGCCTGAAGTCATCCACACTC	60	NM_008756
Tlr4	FW: AGCTTCTCCAATTTTTCAGAACTTC	60	NM_021297

	RV: TGAGAGGTGGTGTAAGCCATGC		
Tlr5	FW: TCCTGACCAGAGCACATTTGCC RV: CCTTCAGTGTCCCAAACAGTCG	60	NM_016928
Nod1	FW: GAAGGCACCCCATTGGGTT RV: AATCTCTGCATCTTCGGCTGA	62	NM_172729
Nod2	FW: CCTAGCACTGATGCTGGAGAAG RV: CGGTAGGTGATGCCATTGTTGG	60	NM_145857
Muc2	FW: ACCGCCTCACTCTGCCCCAA RV: TGCAGCCACTGCCCGTGATG	62	NM_023566
Arg1	FW: CATTGGCTTGCGAGACGTAGAC RV: GCTGAAGGTCTCTTCCATCACC	60	NM_007482
ChREBP	FW: CAGATGCGGGACATGTTTGA RV: AATAAAGGTCGGATGAGGATGCT	62	NM_021455
Hprt	FW: GTTAAGCAGTACAGCCCCAAA RV: AGGGCATATCCAACAACAAACTT	60-62	NM_013556

Thermal Cycling Program

1. **Initial denaturation and polymerase activation**: 95°C for 5 minutes
2. **Amplification** (40 cycles):
    - Denaturation: 95°C for 10 seconds
    - Annealing: 60°C for 30 seconds
    - Extension: 72°C for 30 seconds (with plate read)
3. **Final extension**: 72°C for 5 minutes
4. **Melt curve analysis**:
    - 65°C to 95°C with 0.5°C increments
    - 5 seconds per step