

Supplementary table1 primer Sequences

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
18S	CGATCCGAGGGCCTCACTA	AGTCCCTGCCCTTTGTACACA
IL-1 β	TGTGAAATGCCACCTTTTGA	GGTCAAAGGTTTGGGAAGCAG
IL-6	TGATGCACTTGCAGAAAACA	ACCAGAGGAAATTTTCAATAGGC
TNF α	CCACCACGCTCTTCTGTCTAC	AGGGTCTGGGCCATAGAACT
MPO	GATGACCCCTGCCTCCTC	GCTCTCGAACAAAGAGGGTG
Claudin-1	GAGGGACTGTGGATGTCCTG	ATGCCAATTACCATCAAGGC
Claudin-2	CAGAGCTCTTCGAAAGGACG	TCACAGTGTCTCTGGCAAGC
Claudin-7	TGTACAAGGGGCTCTGGATG	GGACACCACCATTAAGGCTC
Occludin	CATTTATGATGAACAGCCCC	GGACTGTCAACTCTTTCCGC
Tjp-1	AGAGACAAGATGTCCGCCAG	TGCAATTCCAAATCCAAACC
Tjp-2	GTGATTTTCTTCAACCCGGA	TTTTTGAGCTTGTTGGCTTG
Cxcl2	CGGTCAAAAAGTTTGCCTTG	TCCAGGTCAGTTAGCCTTGC
Ccl3	ACCATGACACTCTGCAACCA	GTGGAATCTTCCGGCTGTAG
Myd88	TCATGTTCTCCATACCCTTGGT	AAACTGCGAGTGGGGTCAG
16S	GTGSTGCAYGGYTGTCTGCA	ACGTCRTCCMCACCTTCCTC
Firmicutes	GGAGYATGTGGTTTAATTCGA	AGCTGACGACAACCATGCAC
Bacteroidetes	GGCGACCGGCGCACGGG	GRCCTTCCTCTCAGAACCC