

**Table S1** Primer sequences used for real-time quantitative PCR.

Gene name	Accession number	Primer Sequence (5'-3')
Claudin-1	NM_001244539.1	AGATTTACTCCTACGCTGGT GCACCTCATCATCTTCCAT
Occludin	NM_001163647.2	ATGCTTTCTCAGCCAGCGTA AAGGTTCCATAGCCTCTCGGTC
ZO-1	NM_005659811.1	GAGGATGGTCACCGTGGT GGAGGATGCTGTTGTCTCGG
TNF- $\alpha$	NM_214022.1	CCACGCTCTTCTGCCTACTGC GCTGTCCCTCGGCTTTGAC
IL-8	NM_213867	TAGGACCAGAGCCAGGAAGA AGCAGGAAAAC TGCCAAGAA
IL-10	NM_214041.1	ACCAGATGGGCGACTTGTG TCTCTGCCTTCGGCATTACG
BAX	XM_003127290.5	CCGAAATGTTTGCTGACG AGCCGATCTCGAAGGAAGT
BCL-2	XM_001928880.6	TTCTTTGAGTTCGGTGGGG CCAGGAGAAATCAAATAGAGGC
PCNA	NM_001291925.1	AATGTTGATAAAGAGGAGGA TAGGAGAGAGTGGAGTGGCT
CCND1	XM_021082686.1	CAGAAAGTCCGAGGAGGAGGT CGGATGGAGTTGTCTCGGTGTA
COX-2	NM_214321.1	AGAAGCGAGGACCAGCTTTC AAAGCGGAGGTGTTTCAGGAG
NF- $\kappa$ B	NM_001048232.1	CTTACACTTGGCAATCATCC ATAGCGTTCAGACCTTCAC
I- $\kappa$ B- $\alpha$	NM_010907.2	TGCAGGCCACCAACTACAAT TCAACAAGAGCGACACCAGG
I- $\kappa$ B- $\beta$	NM_001099935.1	CTGCCTGTCCAAGATGAAGAACTCC GTCCGATGTGATCCCAAAC TCTGTC
ERK1	XM_021088019.1	CCGCTTGCCTCATTAAAGCC TTAGACGTGGCAGCTTGGTT
JNK2	XM_005661441.3	AAACAAGTCAAGCCAGAG AGCAGGGTCATACCAAAC
GAPDH	NM_001206359.1	CGGAGTGAACGGATTTGGC CACCCCATTTGATGTTGGCG