

Table S1. Primer sequence for RT-PCR.

Gene	Primer sequence
Occludin	Forward: 5'- ATGTCCGGCCGATGCTCTC-3' Reverse: 5'-TTTGGCTGCTCTTGGGTCTGTAT-3'
ZO-1	Forward: 5'-GCCGCTAAGAGCACAGCAA -3' Reverse: 5'-GCCCTCCTTTTAACACATCAGA- 3'
TNF α	Forward: 5'- CAGGCGGTGCCTATGTCTC-3' Reverse: 5'-CGATCACCCCGAAGTTCAGTAG-3'
IL-1 β	Forward: 5'- GAAATGCCACCTTTTGACAGTG-3' Reverse: 5'-TGGATGCTCTCATCAGGACAG-3'
GAPDH	Forward: 5'- AGGTCGGTGTGAACGGATTTG-3' Reverse: 5'-GGGGTCGTTGATGGCAACA-3'
VDR	Forward: 5'- GAATGTGCCTCGGATCTGTGG-3' Reverse: 5'-ATGCGGCAATCTCCATTGAAG-3'
Alp	Forward: 5'- CCAACTCTTTTGTGCCAGAGA-3' Reverse: 5'-GGCTACATTGGTGTGAGCTTTT-3'
Col-I	Forward: 5'- TAAGGGTCCCAATGGTGAGA-3' Reverse: 5'-GGGTCCCTCGACTCCTACAT-3'
OCN	Forward: 5'- CTGACCTCACAGATCCCAAGC-3' Reverse: 5'-TGGTCTGATAGCTCGTCACAAG-3'