**Supplementary Table 2** The list of primers used for qPCR

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| Accession No. | Gene | Primer sequence | Product length, bp |
| NM\_001244539 | claudin-1 | Forward: 5′-CCTCAATACAGGAGGGAAGC-3′  Reverse: 5′-CTCTCCCCACATTCGAGATGATT-3′ | 76 |
| NM\_001206359 | GAPDH | Forward: 5′-GCTTGTCATCAATGGAAAGG-3′  Reverse: 5′-CATACGTAGCACCAGCATCA-3′ | 86 |
| NM\_214399 | IL-6 | Forward: 5′-AATGTCGAGGCTGTGCAGATT-3′  Reverse: 5′-TGGTGGCTTTGTCTGGATTCT-3′ | 82 |
| NM\_213867 | IL-8 | Forward: 5′-CCGTGTCAACATGACTTCCAA-3′  Reverse: 5′-GCCTCACAGAGAGCTGCAGAA-3′ | 75 |
| NM\_001163647 | occludin | Forward: 5′-TCAGGTGCACCCTCCAGATT-3′  Reverse: 5′-TGGACTTTCAAGAGGCCTGG-3′ | 112 |
| NM\_001114281 | NF-κB p65 | Forward: 5′-GCGATGAGATCTTCCTGCTG-3′  Reverse: 5′-GCCACTTGTCGGTGCACGTC-3′ | 87 |
| NM\_214022 | TNF-α | Forward: 5′-TGGCCCCTTGAGCATCA-3′  Reverse: 5′-CGGGCTTATCTGAGGTTTGAGA-3′ | 68 |
| NM\_2340626 | ZO-1 | Forward: 5′-CTGCCAAGTGAAACTGCACA-3′  Reverse: 5′-GACAGAGAACGTGTCAACGC-3′ | 129 |