**Table S1:** The primer sequences for real-time quantitative polymerase chain reaction (RT-qPCR)

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| GAPDH | Forward  Reverse | 5’-GGAGCGAGATCCCTCCAAAAT-3’  5’-GGCTGTTGTCATACTTCTCATGG-3’ |
| SAA-1 | Forward  Reverse | 5’-CTGCAGAAGTGATCAGCG-3’  5’-ATTGTGTACCCTCTCCCC-3’ |
| SAA-2 | Forward  Reverse | 5’-CTGCAGAAGTGATCAGCA-3’  5’-ATTATATGCATTATCTCAGC-3’ |
| SAA-4 | Forward  Reverse | 5’-CCAGTGAAAGCTGGCGTTCG-3’  5’-GAGAAGTGTGTGGCTCACAGCC-3’ |
| MMP-1 | Forward  Reverse | 5’-AAAATTACACGCCAGATTTGCC-3’  5’-GGTGTGACATTACTCCAGAGTTG-3’ |
| MMP-9 | Forward  Reverse | 5’-TGTACCGCTATGGTTACACTCG-3’  5’-GGCAGGGACAGTTGCTTCT-3’ |
| MMP-12 | Forward  Reverse | 5’-CATGAACCGTGAGGATGTTGA-3’  5’-GCATGGGCTAGGATTCCACC-3’ |
| E-cadherin | Forward  Reverse | 5’-CGAGAGCTACACGTTCACGG-3’  5’-GGGTGTCGAGGGAAAAATAGG-3’ |
| N- cadherin | Forward  Reverse | 5’-TCAGGCGTCTGTAGAGGCTT-3’  5’-ATGCACATCCTTCGATAAGACTG-3’ |
| Vimentin | Forward  Reverse | 5’-GACGCCATCAACACCGAGTT-3’  5’-CTTTGTCGTTGGTTAGCTGGT-3’ |
| Snail | Forward  Reverse | 5’-TCGGAAGCCTAACTACAGCGA-3’  5’-AGATGAGCATTGGCAGCGAG-3’ |