**Supplementary Table**

**Table 1. Custom designed Primers and Probes**

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| Gene |  |
| bMMP1 (Matrix Metalloprotease 1) | Forward primer seqreverse primer seqprobe seq5' modification3' modification | 5'-TTC AGC TTT CTC AGG ACG ACA TT-3'5'-CGA CTG GCT GAG TGG GAT TT-3'5'-TCC AGG CCA TCT ACG GAC CTT CCC-3'FAMTAMRA |
| bMMP3 (Matrix Metalloprotease 3) | Forward primer seqreverse primer seqprobe seq5' modification3' modification | 5'-GGC TGC AAG GGA CAA GGA A-3'5'-CAA ACT GTT TCG TAT CCT TTG CAA-3'5'-CAC CAT GGA GCT TGT TCA GCA ATA TCT AGA AAA C-3'FAMTAMRA |
| bMMP13 (Matrix Metalloprotease 13) | Forward primer seqreverse primer seqprobe seq5' modification3' modification | 5'-CCA TCT ACA CCT ACA CTG GCA AAA G-3'5'-GTC TGG CGT TTT GGG ATG TT-3'5'-TCT CTC TAT GGT CCA GGA GAT GAA GAC CCC-3'FAMTAMRA |
| bIL-1β(Interleukin-1β) | Forward primer seqreverse primer seqprobe seq5' modification3' modification | 5'-TTA CTA CAG TGA CGA GAA TGA GCT GTT-3'5'-GGT CCA GGT GTT GGA TGC A-3'5'-CTC TTC ATC TGT TTA GGG TCA TCA GCC TCA A-3'FAMTAMRA |
| bIL-6(Interleukin-6) | Forward primer seqreverse primer seqprobe seq5' modification3' modification | 5'-TTC CAA AAA TGG AGG AAA AGG A-3'5'-TCC AGA AGA CCA GCA GTG GTT-3'5'-CTT CCA ATC TGG GTT CAA TCA GGC GATT-3'FAMTAMRA |