**Supplement Table 1.** Primer sequences used for reverse-transcription polymerase chain reaction and the predicted product size

| Gene   | Primer sequence                  | Product size (bp) |
|--------|----------------------------------|-------------------|
| GAPDH  | Forward 5´-CACGGCAAGTTCAACGGCAC-3´ | 189               |
|        | Reverse 5´-AGCGGAAGGGGGCGAGATGA-3´ |                   |
| ERK 1  | Forward 5´-GCCTTGCCCGGATGTGAC-3´  | 515               |
|        | Reverse 5´-AGGCCCGACACTGGGAACACTA-3´ |                 |
| JNK 1  | Forward 5´-CACAGTCCTAAAACGATAcc-3´ | 354               |
|        | Reverse 5´-CCACACACGGCTGGATAG-3´  |                   |
| p38    | Forward 5´-GTGCCCGAGCGATACCAGAC-3´ | 468               |
|        | Reverse 5´-AGTGCGCCAGCGCCAAAATC-3´ |                 |
| Bax    | Forward 5´-ACTGGCGCCGGGTGTGTTG-3´  | 246               |
|        | Reverse 5´-AGATGGTGATGAGCCAGTGAGA-3´ |               |
| Bcl-2  | Forward 5´-TGCCAAAGGGAAAACACGAGATC-3´ | 411              |
|        | Reverse 5´-GCGACAAGGGGCGATAGG-3´  |                   |
| NF-κB  | Forward 5´-TACCTTCAGGCCGAGAAGA-3´  | 232               |
|        | Reverse 5´-TCCTCGTGTTCGTTGCTAG-3´  |                   |
| Caspase-3 | Forward 5´-ACGGGTACGCGAAAGAACGTAC-3´ | 282             |
|        | Reverse 5´-TCCTGACTTCTATTCAGGGC-3´ |                   |