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| Supplementary Table 1. QMSP primer sequences | | |
| Gene | Forward primer | Reverse primer |
| Beclin1-primer1 | 5'-TTTAAAGTGTTGGAATTATAAGCGT-3' | 5'-TCGAAAAACTAAAACAAAAAAATCG-3' |
| Beclin1-primer2 | 5'-TTCGAATTTTTGATTTTGTGATTC-3' | 5'-ACCACTACACTCCAACCTAAACG-3' |
| Beclin1-primer3 | 5'-AGTTCGGAGTTCGTTATTTAAGTTC-3' | 5'-GAAAAATCGCTAAAAACAAAACG-3' |
| Albumin | 5'-GTGAGAATTGTAGAGCAGTGCTGTC-3' | 5'-ACATTGCTCAGCACAGATCCAC-3' |

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| Supplementary Table 2. Real-time PCR primer sequences | | |
| Gene | Forward primer | Reverse primer |
| H19 | 5'-ACTCAGGAATCGGCTCTGGAA-3' | 5'-CTGCTGTTCCGATGGTGTCTT-3' |
| Beclin1 | 5'-GGCTGAGAGACTGGATCAGG-3' | 5'-CTGCGTCTGGGCATAACG-3' |
| SAHH | 5'-CAACATGATTCTGGACGACG-3' | 5'-GACATTGATGGCAGGCAC-3' |
| DNMT3B | 5'-GGCAAGTTCTCCGAGGTCTCTG-3' | 5'TGGTACATGGCTTTTCGATAGGA-3' |
| β-Tubulin | 5'-CGTGTTCGGCCAGAGTGGTGC-3' | 5'-GGGTGAGGGCATGACGCTGAA-3' |
| β-Actin | 5’-CTGGAACGGTGAAGGTGACA-3’ | 5’-AAGGGACTTCCTGTAACAATGCA-3' |