Table S1. The partial primer sequences for qPCR

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| Gene | Primers sequence (5’ to 3’) |
| ATG13ATG14 | F: GTGGAGGCAGGAGTAGGATGGF: GAAAGCACTACGCTCTAGGTTATGT | R：TGGGAATGGCTGACTTCAGAGTR：GAAGGACCGTGACCCTCTGTT |
| ATG4D | F: CTCTACCTGGACCCTCACTACTGCC | R: GAGCGTCTCAAACTCCTTCCTGTCT |
| ATG5 | F: TGAGCGAGCATCTGAGCTATCC | R: GCCTCCACCAAACCTGACTGA |
| ATG16L2 | F: CCCTCTAGTCGAAGCCTGAAGCC | R: TGAAACAATACCGTAATCCGAACCC |
| PRKAA1 | F: TCCATATTATTTGCGTGTTCG | R: CTCTGTGGAGTAGCAGTCCCT |