**S2 Table.** Primers used for selected genes and *GAPDH* amplification by qPCR.

|  |  |  |
| --- | --- | --- |
| **Gene** | **Primer sequences (5’ → 3’)** | **Size of amplified fragment (bp)** |
| ***ATG12*** | L: AGTTCATCTCCCGCTTCCTT | 120 |
| R: CACTGCCGAAACACTCAAAA |
| ***BCL2*** | L: CCCCTCCTCTCTCTTCGTCT | 135 |
| R: TGTCCATTTCCTGCTGTTTG |
| ***ULK1A*** | L: GACAAGCCAACCAGGAGAGTR:GGTAGTTGTGGATTTGTGTA | 192 |
| ***ULK1B*** | L: CTTTGAGCTGTGGCAGGACAR:CTTGTGGGGAGAGCTGGAAG | 105 |
| ***FBXO25*** | L: CGTAGGTGAAGTAGCCGCCA | 166 |
| R: GGAGAAGTCCAGCCTGTTGA |
| ***MAFbx*** | L: TCTTTGGTGCTCCCCTTGTG | 231 |
| R: TAAAACCGAGGACGGCTGG |
| ***MURF1A*** | L: CCATTGATGCCTTGGTTGC | 198 |
| R: CCTTCTCGTCCTGCTCTTTG |
| ***MURF1B*** | L: CCCCCTGAAAGACAAAGACA | 179 |
| A: GCTCAGCCTTCTGGACTTC |
| ***IGF-1*** | L: ATTTCAGCAAGCCAACAGGT | 116 |
| R: CGCACAATACATCTCAAGTCG |
| ***PI3K*** | L: GTCTGGAGCCTGGCAGTAAG | 119 |
| R: CTTCTGTGTGCTGGGAGTCA |
|  ***mTOR*** | L: TTGGGAGAGACGTACTGCR: CACAGGACTGGTGTAGGAA | 145 |
| ***RAPTOR*** | L: TGTTTACGACTGCTCCAAR: GAGGGTGGTTCGGGTTTATT | 107 |
| ***GBL*** ***(mLST8)*** | L: TCCCAAGACCAAAATTCCTGR: AAAGTTTGAGGTTCGCCAGA | 124 |
| ***SDHA*** | L: ACCTGATGCTGAATGCTGTGR: AGTGTGCTTCCTCCAGTGC | 170 |
|  ***PGC1α*** | L: GAGGGTGAGCGTTCAAAGAGR: ATGAGGCTGAGCAGAGAGGA | 187 |
| ***MyoD*** | L: GTTCGTCGTCTTCCTCTTGCR: ACCCGTGCTTTAACACCAAC | 191 |
|  ***Myogenin*** | L: CAGACCAGAGGTTTTATGAAR: TAGATGTTGGGGATGGCTTG | 171 |
| ***PPARβ/δA*** | L: TAGCCACACCTCCTCCCTAAR: GCTGCTGTTCTCCTCCAATC | 136 |
| ***PPARβ/δB*** | L: GAAGGAGAAGGAAGCGAGGTR:GTCAACTTCATCCCCATTCT | 102 |
| ***GAPDH*** | L: ACACACGACGACAAGACCAAR: GTCCCTCTCGCTGAAAACTG | 267 |