**Supplementary Table 11： Nucleotide sequences of the primers used for Real-time fluorescence quantitative PCR**

|  |  |  |  |
| --- | --- | --- | --- |
| Genes | Direction | Primer sequence (5’-3’) | Amplification size |
| MyHC | F | CTGGAATCCGGAGGCAGAA | 105 bp |
| R | TTTTCGAAGGTAGGGAGCGG |
| MyoG | F | GGCTGACAAATGCCAGACTATCC | 140 bp |
| R | TGGTCCCTTGCTTTATCTCCCT |
| Atp2a1 | F | ACCATTGGCTCATGGTCCTC | 108 bp |
| R | AGGAGGGGGAAACGGGTTAT |
| Tmod4 | F | GCGTGAGAATCGTAGCCTCCAG | 81 bp |
| R | GCCTTCAGCACAGCCATAAGC |
| Lmod3 | F | CCAACAGGGAACTTCGACCA | 86 bp |
| R | ACACGTTCGTCTTCCAGCAT |
| Mybpc2 | F | GCGAGTATGAGAGGATCGCC | 91 bp |
| R | TTCTTGACCTCGACCTTGGC |
| Ryr1 | F | GATGTACAGTCAGGTGGCTCG | 131 bp |
| R | GCACACATGTTCAGGCCGAT |
| GAPDH | F | ACAGTCAAGGCAGAGAACGG | 98 bp |
| R | CCAGCATCACCCCACTTGAT |