***Supplementary Table S1.*** *Primer sequences for real-time qPCR*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Primer1 | Sequence | % Eff |  |  | bp size | Spans an Exon/Exon Boundary |  |
| MSTN | F 5'-CGGAGAATGCGAATTTGTGTTTC-3' | 102 |  |  | 110 | NO |  |
|  | R 5'-GGGACATCTTGGTGGGTGTG-3' |  |  |  |  |  |  |
| MyoD | F 5'-CGCAGGAGAAACAGCTACGA-3' | 103 |  |  | 104 | YES |  |
|  | R 5'-ATGCTTGAGAGGCAGTCGAG-3' |  |  |  |  |  |  |
| MyF5 | F 5'-TGAGGGAACAGGTGGAGAACT-3' | 115 |  |  | 185 | YES |  |
|  | R 5'-ACTCTGCTCCGTCGCGTA-3' |  |  |  |  |  |  |
| MYOG | F 5'-CAGCCTCAACCAGCAGGAG-3' | 96 |  |  | 166 | YES |  |
|  | R 5'-ACTGCTCAGGAGGTGATCTG-3' |  |  |  |  |  |  |
| MRF4 | F 5'-AGGCTGGATCAGCAGGACAAAA-3' | 102 |  |  | 139 | YES |  |
|  | R 5'-CGCGGGAATGGTCGGAAG-3' |  |  |  |  |  |  |
| PAX7 | F 5’-GAAGGCCTTTGAGAGGACCC-3’ | 93 |  |  | 158 | YES |  |
|  | R 5’-GGTTGAATGCTGCGAGTTGG-3’ |  |  |  |  |  |  |
| β-ACT | F 5'-GTCCACCTTCCAGCAGATGT-3' | 94 |  |  | 168 | NO |  |
|  | R 5'-TAAAGCCATGCCAATCTCG-3' |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

1Primers were designed using Primer-BLAST for myostatin (MSTN), myogenic determination factor 1 (MyoD), myogenic factor 5 (MyF5), myogenin (MYOG), myogenic regulatory factor 4 (MRF4), paired box 7 (PAX7), and β-actin (β-ACT).