**Table S1**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Target gene** |  | **Muscle** |  | **sequence (5´-3´)** |
| *18s ribosomal RNA* | *rps18* | R, W | F | CGGAGGTTCGAAGACGATCA |
|  |  |  | R | TCGCTAGTTGGCATCGTTTAT |
| *guanylate-binding protein* | *gbp* | R, W | F | GGCTGCTGAGGAACAAGTCGT |
|  |  |  | R | GGGATGAATTGGAAAGGGAGAC |
| *troponin T3b, skeletal, fast isoform 1* | *T3b1* | R, W | F | CCGATGATGACGCTAAGAAGAAGT |
|  |  |  | R | GCTTGTCCTCGTTCAGATGGTC |
| *Troponin C, skeletal muscle*  | *tropC* | R | F | GCCAGAATCCGACAAGAGAGG |
|  |  |  | R | CGGATGATGATGGCGAACTCT |
|  |  | W | F | GAGCCAGTCACAGAGGAGGAATG |
|  |  |  | R | GGAAGGGTCACAAAGGAATGGT |
| *IgM membrane heavy bound form*  | *IgM* | R | F | CCACGAGGTAGACAGGGAAGGA |
|  |  |  | R | CCTCACGCCACCGATGTCCAAT |
|  |  | W | F | CCACGAGGTAGACAGGGAAGGA |
|  |  |  | R | CGATGCCATACCACCAACACC |
| *retinoic acid receptor gamma b*  | *Rargb* | R | F | CACCTATCCAGTCCCCCTTCA |
|  |  |  | R | CCACTAAAATGAACCACGACAAGAC |
|  |  | W | F | GTGGCTCAACTTACCCCTCTCC |
|  |  |  | R | GGGTGAAGGAGTGTTTGCGAGT |
| *phosphofructokinase muscle b* | *pfkmb* | R | F | CAGGAAACAGCACACCGAGAGT |
|  |  |  | R | AAACACATACATACCGACCCTTGG |
|  |  | W | F | AATGAACCACCACCTCCACTTG |
|  |  |  | R | CCGACCTAATGCCTGCGACT |
| *follistatin-related protein 1*  | *fstl1* | R | F | GCCTGGATACTTGTTCGGATTG |
|  |  |  | R | GAGGAGACACAGGCGTTATCACA |
| *myoblast determination protein 2* | *MyoD2* | R | F | TCACCGACCAACTGCCCACA |
|  |  |  | R | GCCATCCTATTCTTCTACCACAGC |
| *nuclear receptor coactivator 4* | *ncoa4* | R | F | GAGGAGGAAGAGAGGGCAGAGA |
|  |  |  | R | CCCAGGTTCTCAATCTCCACAG |
| *growth hormone 2* | *gh2* | R | F | GCACAAAGACCAAGCCAGGA |
|  |  |  | R | GGGTCTATTTGAGTGAGCCGTGAG |
| *fatty acid binding protein 6* | *fabp6* | R | F | CTGCTTCTCCCTCTCCTTTACCTC |
|  |  |  | R | GCTTGTAGTCACGACCCTTCTCA |
| *titin-like* | *ttn* | W | F | GCATCCCTCTGGCAACTCATC |
|  |  |  | R | GGGAAACACCACTCACAGACGG |
| *four and a half LIM domains protein 1* | *fhl1* | W | F | GCTTGGGTCAAATTCAGAACACTG |
|  |  |  | R | GATTCAGGAAGCATGTAACAGCCA |
| *ubiquitin specific protease 14* | *ubp14* | W | F | GTGCCTCCCTTGACCATAACCT |
|  |  |  | R | CCAACTACACCCGACAGCGAAT |
| *heat shock protein 30* | *hsp30* | W | F | GTCGGTGATGCTTCCCTCTGT |
|  |  |  | R | CTCCACATTCAGGCACCAAAGA |