**Supplementary Table S1. Primers and Morpholino antisense olignucleotides.**

|  |  |
| --- | --- |
| [ENSDARG00000041607](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000041607) | ***eif4ebp3l*** |
| ***eif4ebp3l* cloning primers** | Forward: ACATCACGAGAGCAGCACGCTAAAReverse: GCGGCCGCAGGCAAACGAAACACCAGGAAACC |
| ***eif4ebp3l* mutagenesis primers** | T42,46A Forward: ACGCTCTTCTCCACCGCACCTGGCGGAGCC.  |
| T42,46A Reverse: GTCGTAAATGATCCTGGCTCCGCCAGGTGC.  |
| S61A+T66A Forward: TTCCTCCTGGACTGCAGGAACGCTCCGATCGCCCGGGCTCC |
| S61A+T66A Reverse: CTGGGGCAAACAGCAGGGTGGAGCCCGGGCGATCGGAGCGT |
| T33A Forward: GCTACAGTCAGGCCCCCGGGGGGACT33A Reverse: GTCCCCCCGGGGGCCTGACTGTAGC |
| **Probe primers** |
| [ENSDARG00000041607](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000041607) | ***eif4ebp3l*** Forward: ACATCACGAGAGCAGCACGCTAAAReverse: GGATCCATTAACCCTCACTAAAGGAGGCAAACGAAACACCAGGAAACC |
| [ENSDARG00000043608](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000043608) | ***eif4ebp1*** Forward: CCACAAACGGACAAGGTGCAAAGAReverse: GGATCCATTAACCCTCACTAAAGGATCAAACAAAGTGTGGCATGGCGG  |
| [ENSDARG00000031819](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000031819) | ***eif4ebp2*** Forward: TCAACAACCATGATGCCAAGCCAGReverse: GGATCCATTAACCCTCACTAAAGGTGTGCGCTTATGAGACAGACCGAT  |
| [ENSDARG00000054916](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000054916) | ***eif4ebp3***Forward: AAACAGTGAAGCTTCGTCGACCTGReverse: GGATCCATTAACCCTCACTAAAGGCAGCCAACTGCTGATTTCTGGCAT  |
| **qPCR primers** |  |
| [ENSDARG00000037870](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000037870) | ***actinb2***Forward: TACAGCTTCACCACCACAGCReverse: AAGGAAGGCTGGAAGAGAGC |
| [ENSDARG00000001431](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000001431) | ***actn3b (α-actinin3b)***Forward: TCCTCAGGCAGGCCTTGTTTATCAReverse: TCACAATGAGGCGATCTGAAGGGT |
| [ENSDARG00000008487](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000008487) | ***dmd (dystrophin)***Forward: ATCACAACAAGCAGCTGGAATCGCReverse: ACTGGACAGCTCATCATCACCCAT |
| [ENSDARG00000043608](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000043608) | ***eif4ebp1***Forward: TCAGAAGACCACCAGTCAGGCAATReverase: AGTCCAGCAGGAACTTTCGGTCAT |
| [ENSDARG00000031819](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000031819) | ***eif4ebp2***Forward: TAAGTTCCTGTTGGACCGGCGTAAReverse: TTCAGGATGTTCTTGCCCGTCACT |
| [ENSDARG00000054916](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000054916) | ***eif4ebp3***Forward: AAACAGTGAAGCTTCGTCGACCTGReverse: AACACAGTTCCTCCTGGTGTCTGA |
| [ENSDARG00000041607](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000041607) | ***eif4ebp3l***Forward: ACAAACACGCAGCAGAGCAAGAReverse: ATGTCCATCTCAAACTGGCTGTCG |
| [ENSDARG00000031756](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000031756) | ***mef2aa***Forward: GCCCCCGCAAAACTTCTCCReverse: ACTTCGCAGGCATGACTTTACCAA |
| [ENSDARG00000029764](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000029764) | ***mef2ca***Forward: TCCAGGGAACATGAGCAAGAACCTReverse: ACTGAGAGCTGCTGATTCGCTGAT |
| [ENSDARG00000009418](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000009418) | ***mef2cb***Forward: ACTCGGACATAGTGGAGACCCTGReverse: TTCTTTGCAGGCCGTGGTGGG |
| [ENSDARG00000040237](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000040237) | ***mef2d*** Forward: AATCCAAGCAGTCTCGTCACCACTReverse: TTGTTGAGGTCACCACCCAGAAGA |
| [ENSDARG00000067990](http://www.ensembl.org/Danio_rerio/Gene/Summary?g=ENSDARG00000067990) | ***myhz1.1***Forward: CAACATTTCTGGCTGGCTGGACAAReverse: TCTGCATGGAACCACCCTTCTTCT |
|  ENSDARG00000071430 | ***smyhc1*** Forward: TGGAAAGTGCCCAGAAAGAGTCCAReverse: ATGCTCTTTCCGGTTTCTCCGAGT |
| [ENSDART00000140061](http://www.ensembl.org/Danio_rerio/Transcript/Summary?db=core;g=ENSDARG00000075014;r=14:14448389-14453802;t=ENSDART00000140061) | ***sqstm1***Forward: GGCTAACGTGGAGTACCTAAAGReverse: TTCCCTCATGCTCAACATCG |
| **Morpholinos eIF4EBP3L** |
|  | Splice BP3L-MO1: ATAGTGAGAGTGGGTCTTACCGCCA |
| ATG BP3L-MO2: TTGTGGACATCGTGCGTCAAAATGC |