**Table S3.** Primers used to validate novel splice junctions and unannotated transcripts using iQ SYBR Green Supermix (Bio-Rad).

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| --- | --- |
| **Description of Primer** | **Sequence** |
| *fn1*\_exon18\_forward | ATGCAGTTAATCGTGGACAAGAGAGTGAA |
| *fn1*\_exon21\_reverse | ATGCTGCCAGACTCGGATATGACTTC |
| *fn1*\_exon23\_forward | CAGCGTGTATGCAGTAAAAGGGGAAGA |
| *fn1*\_exon25\_reverse | CGGGAGAATATCGTACCAGGAAACTTGA |
| *hpdl*\_forward | CATCCATTTGCTGCTCGAGGGTTG |
| *hpdl*\_reverse | GGCTTACATTCCCAACCACAGACTTTACTA |
| *gata3*\_forward | GCCACTCCAGTCATATGCTAACCACAC |
| *gata3*\_reverse | GCTCCTTTAGTCCTTCATGCTCCTTTGTA |
| *myl6*\_exon2\_forward | TGCGACTACTCCGACGACCAGATT |
| *myl6*\_exon3\_reverse | CCCAAAACCTTCATCACCTCAGCAT |
| intergenic\_*tmtc2*\_*slc6a15*\_forward | CAGGCTTGGCACATGCACAGTAGAG |
| intergenic\_*tmtc2*\_*slc6a15*\_reverse | AACCAATGGAACTCTGTGCCCTCTG |
| *loc100124861*\_forward | TTAAATACCCCCCGCCAGTGTGTGT |
| *loc100124861*\_reverse | CGCCCTGTTCTGTTCATCATTCCAA |
| *loc100145636*\_forward | GGGAGCGGATACTGAGCCATTTTGATA |
| *loc100145636*\_reverse | GCCCCCGCCATTACACAAGAGG |
| *pop1*\_forward | CAGAAATGTCGAACGCAAAA |
| *pop1*\_reverse | CACCCCTTCCTTTACCACCT |
| TTpA057m17\_forward | GGGCTCCTATGATCCAAAAA |
| TTpA057m17\_reverse | GCAGACCACGATATCCCATAA |
| comp29928\_forward | GACCGTCCCTTTACCATTCAACACAA |
| comp29928\_reverse | TTCCAGTATCTAGAGCCATCCACAAAAAT |
| comp697\_forward | TCTGGGGAAAAGGAATGTTG |
| comp697\_reverse | CCCAGTCAGATCCTGGAACA |
| comp39806\_forward | TTTTCTGCCCTTGTGCTTCT |
| comp39806\_reverse | CCAAGAGCTGCCCTGTAATC |
| *xbp1*\_exon2\_forward | TCGGGACAGGAAAAAAGCCAGAAT |
| *xbp1*\_exon3\_forward | TGAAAACCAGGAGCTACGCCAAAGA |
| *xbp1*\_exon4\_reverse | TGTCAGGGCTGTCAGGATCCATGTAG |
| *xbp1*\_exon5\_reverse | CAGGAGAAGATGGGGAGGAGGATATG |
| *bend5*\_exon3\_forward | GGCAGCTGTGGTTCCAAGGGTTT |
| *bend5*\_exon4\_reverse | AATTTCAGGCTCAGGCTCAGGATCA |
| *bend5*\_exon4\_forward | AGCTCCTGTGCTGGACAAAT |
| *bend5*\_exon5\_reverse | AGGTGAGAGTGGTGGTTTGG |
| *bend5*\_exon5\_forward | AAAAATGGCACCAACTCCAG |
| *bend5*\_exon6\_reverse | ACTTTCGACAGCCTTTGTGC |
| *cltb*\_exon3\_forward | AACGGAGCAGGAGTGGCGAGAAA |
| *cltb*\_exon4\_reverse | TTTTGACTGTTTGCTGCTCTTAGGATTGA |
| intergenic\_*slc35d1*\_*il12rb2*\_forward | CCTGGATGATTTTGACCTTGAATATTGTAA |
| intergenic\_*slc35d1*\_*il12rb2*\_reverse | AAAGCAATAGACCAGTTCGCCTCAGG |
| *myl6*\_exon4\_forward | GAGCAATTCCTCCCCATGAT |
| *myl6*\_exon5\_reverse | AATGCAACCATTAGCATCCTC |
| comp16945\_forward | TGATGGTGGTTAACGGCGGGATATA |
| comp16945\_reverse | AGCGGAACGGGAAGGCGACTG |
| comp26746\_forward | ATGCGTCTGTTTGCCCGGTTATC |
| comp26746\_reverse | TCGCGTTGCTGCTCTTTGTTCTTG |