**Table S1. Gene specific primers used in this study**

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| Gene ID | Forward primers | Reverse primers |
| MS.gene015472 | ACAATTCCGGCCAACTTCAC | ATTCAGCCCGGTTTCTAAGC |
| MS.gene024202 | CAATTCACCTCCGGTTAGACC | GACGAGCACTATCATCATCCG |
| MS.gene074091 | TCCACTAAAGACCGTCACACC | AAGCCACTCGATCGTTTCAC |
| MS.gene98636 | TGTTGTTCCATTCCCTGATGC | ACTGCTGCTGGTTGTTTCTG |
| novel.17466 | AACCTGCGATCATTGAAGCC | ATTTGCGGCTCTCTTGCTTC |
| MS.gene015472 | AACCTGCGATCATTGAAGCC | ATTTGCGGCTCTCTTGCTTC |
| MS.gene024202 | TCTACTCAACCAAGCGGGAAC | GACGGTGAATTGGACTGAAGG |
| MS.gene074091 | AAGTGCTTTTCGCCGGAAAC | TGCAATCTGCCGTTGTCATG |
| MS.gene98636 | TTATGCCGATGACCATGCAC | TTTGTTGGGCTTGAGCTTGG |
| MS.gene011756 | ATCATCAGCGGCCTTCAAAC | TCGCGGTTTTGATCTTGCTG |
| MS.gene026605 | ATGCCGGTTCAAACGATGAC | AGCTCCCTCGTCAGTTGAAAG |
| MS.gene044274 | ACAAATTGGGCTGTTGCTGAC | TCACCGGTTTCTTTGTGAGC |
| MS.gene20637 | AGCTTCATCACAATGGCCAAG | AGCTGTTGGTACTGAAAGCC |
| Ms.gene21045 | TGACCCAAACCGACAACAAC | TGTGACCTAATTCGCGTGTG |
| MS.gene23769 | ATTTCAAGGTGGACGTGGTG | AACGTTGAAATGGCCAGCTC |
| MS.gene25137 | ATTCGAATGCCAGCGACATG | ATTGAGAAATCGCCGGCTTC |
| MS.gene52655 | ACGTGTCCGAAGAGTCACAC | TTGCAGGTTCAGCTTGTTCC |
| MS.gene30384 | ACAATTCCGGCCAACTTCAC | ATTCAGCCCGGTTTCTAAGC |
| MS.gene35105 | CGCTGGACCACAAATGACAG | TGTTGCTGACAGTGTGACTC |
| MS.gene94790 | AAACAATTCGCTGGCTCCTC | TTTGAGTGTGCCGTTGACTG |
| MsACTIN2 | TCAATGTGCCTGCCATGTATGT | ACTCACACCGTCACCAGAATCC |