**Supplementary Table 1.** **Primers used in this study**

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| Primer name | Sequence (5'-3') | Reference |
| MtpARF3 F | CACCCCATATCACCCAAACAGAAGCATACC | This work |
| MtpARF3 R | CCTTTTGCAGGAACAGATGAAGCA | This work |
| MtpARF4a F | CACCGGACCAATGTGTTGTAAATGGGTGC | (Hobecker et al., 2017) |
| MtpARF4a R | CAGTGTCGGCTAAGTGGTGAAACT | (Hobecker et al., 2017) |
| *MtARF2/3/4* RNAi F | CACCGGAGCGTCAGACTTTGGGG | This work |
| *MtARF2/3/4* RNAi R | CGTAGGGTGGGCACAGAAG | This work |
| *GUS* RNAi F | CACCGCAACGTCTGGTATCAGCG | This work |
| *GUS* RNAi R | CTGCCAGTTCAGTTCGTTGTTC | This work |
| MtARF2 F  | TCGTCAAAAGTAAGCATGGACCC | (Reynoso et al., 2013) |
| MtARF2 R | CCATCTTTTCTTCATCAGTTGCAGGA | (Reynoso et al., 2013) |
| MtARF3 F | CACTTCAGCAAAGCTAGAATTTCCA | (Reynoso et al., 2013) |
| MtARF3 R | TTTGAACCAGGATAGCACCTCCCT | (Reynoso et al., 2013) |
| MtARF4a/b F | AGAAACGGTCTTCCTGAATCAAT | (Reynoso et al., 2013) |
| MtARF4a/b R | TCATTTTGAATCTTGTCCCTATGGT | (Reynoso et al., 2013) |
| MtARF4a F | ACCTTGCATCAACTGGAATAGG | This work |
| MtARF4a R | TTGGTTCCCCAAGCTCCAA | This work |
| MtARF16b F | TTCAAGACATCAAGGAACCTAGCT | This work |
| MtARF16b R | TCATCAAAGGGTTTATTCAGTTGCAAG | This work |
| MtARF19a F | CATCGAGTATTCACATTCTTCGGCA | This work |
| MtARF19a R | ACCATTAAAAGCAGTGTGCGGA | This work |
| MtNSP2 F | GACACACTTGCTGCTTTCCA | (Reynoso et al., 2013) |
| MtNSP2 R | AATGCGGTTATCCGAAGATG | (Reynoso et al., 2013) |
| MtNFY-A1 F | AAAATATGGCTATGCAACCTGTTTA | (Combier et al., 2006) |
| MtNFY-A1 R | CAACTGACATCTTACAATCATCTGG | (Combier et al., 2006) |
| MtNFY-C1 F | CCTGTGATGGACCCAAACA | (Reynoso et al., 2013) |
| MtNFY-C1 R | CACCAATGGAACAGTTTCACC | (Reynoso et al., 2013) |
| MtERN1 F | GGAAGATGGTGCTGTTGCTT | (Andriankaja et al., 2007) |
| MtERN1 R | TGTTGGATTGTGAACCTGACTC | (Andriankaja et al., 2007) |
| MtHISL3 F | ATTCCAAAGGCGGCTGCATA | (Ariel et al., 2010) |
| MtHISL3 R | CTTTGCTTGGTGCTGTTTAGATGG | (Ariel et al., 2010) |

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