

**Supplementary Table S5:** List of specific primers for stem-loop RT-qPCR and conventional RT-qPCR validation of expression of selected *Musa acuminata* var. Calcutta 4 miRNAs and *Musa* target genes

Primer sequences and supporting information for stem-loop RT-PCR analysis of differential gene expression of <i>Musa</i> miRNAs during interaction with <i>Pseudocercopsora musae</i>				
Musa miRNA	Primer	Primer sequence (5'-3')		Expected Amplicon size (bp)
miR397a-5p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAAC TCTCAT		80 pb
	Forward	GTTGTTGAGTGCAGCGTTG		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR167a-3p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAACCTCAGAT		80 pb
	Forward	GTTTGAAGCTGCCAGCATG		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR393b-3p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGGCCAACGATC		80 pb
	Forward	GTTGTCCAAACGGATCCA		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR171a-3p	Stem-loop RT	TTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAACGATA		80 pb
	Forward	GTTTTGATTGAGCCGTGCC		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR171e-3p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAACAGAGAT		80 pb
	Forward	GTTGTTGAGCCGCGTCAAT		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR535d-5p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAACGCGTGC		80 pb
	Forward	GTGGTGACAACGAGAGAGA		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR156b-5p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAAC GTGCTC		80 pb
	Forward	GTTGGTGACAGGAGAGAGT		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR167b-3p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAAC TCAGAT		80 pb
	Forward	GTGTAAAGCTGCCAGCATG		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR167a-5p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAACCTCAGAT		80 pb
	Forward	GTTTCAAGCTGCCAGCATG		
	Universal reverse	GTGCAGGGTCCGAGGT		
miR164c-5p	Stem-loop RT	GTTGGCTCTGGTGCAGGGTCCGAGGTATTGCGACCAGAGCCAAC ACACGT		80 pb
	Forward	TTGGTGGAGAAGCAGGGC		
	Universal reverse	GTGCAGGGTCCGAGGT		
<i>Musa</i> target genes of miRNAs, primer sequences and supporting information for RT-qPCR analysis of differential gene expression during interaction with <i>Pseudocercopsora musae</i>				
Target reference <i>Musa acuminata</i> DH Pahang Gene ID	Predicted gene function	Forward Primer (5'-3')	Reverse Primer (5'-3')	Expected Amplicon size (bp)
Ma03_g12850	pentatricopeptide repeat-containing protein-like	TACTGGGTGTTGCTGTCTAATG	CCAACCTCAACCCAGCTAAA	120 pb
Ma04_g10650	Acireductone dioxygenase	GACACAAGCAGAGTGTCTTCTA	TGGTCCTCATCACTCTCATCTA	102 pb
Ma06_g18000	transport inhibitor response 1-like protein	TGTTTGTGGCAACTGCTATG	CTTGACGCTCAGCGAATTTATC	96 pb
Ma06_g38750	scarecrow-like protein 6	GACACAAGCAGAGTGTCTTCTA	AGAGGGAAAGGGATGTTTGG	100 pb
Ma08_g07960	30S ribosomal protein S17	TAGCAGCAGCATCAGTTCTC	GAGGAGAGTTGGAGGAAAGAAG	92 pb
Ma09_g28300	squamosa promoter-binding-like protein 14	GTCTCTTACTCTCTCCAAAGAAG	GCAGCTCTCTCTACAGCTTATC	89 pb
Ma11_g01530	auxin response factor 12-like	CAGACACATTCCAGGTTCTCTAA	GAAGTCCGGCTTGTCTGTA	100 pb
Ma11_g24070	probable alpha-glucosidase	CACTCTCGATCCCATCAACTTC	CATACTTCTGCCATTCTCGT	105 pb