

SUPPLEMENTARY TABLE 1: PCR primers used in this study.

VvMlo gene	3' -RACE primers	Nested 5' -RACE primers	Gene-specific primers
<i>VvMlo1</i>	5'-GCAATTTTATGCATCTGTGACG-3'	5'-GCAACAAGAAGACAACCACAAAG-3' 5'-TTAAAATCGTCTTCAAGGGCAC-3'	
<i>VvMlo3</i>	5'-TTATGGGATCCACCAACTTCAC-3'	5'-CTGCCCAAAGCCAATGTG-3' 5'-ACAATAAAGTACGTGAAAAACAGC-3'	
<i>VvMlo4</i>			5'-TTGAGTTGTAAAGCCAGGAAATG-3' * 5'-CATCAGCCTCGTACCTGTGG-3' *
<i>VvMlo6</i>	5'-ATGAAGAAATGGGAGTCCTGG-3'	5'-TCCGATGCTCACTCCAATATC-3' 5'-GCTTTCCAAATGATGTCTGATG-3'	
<i>VvMlo7</i>	5'-AAGGATGAAGATCCTTGCTTC-3'	5'-TTCTCGGCAACCTCATGG-3' 5'-GCTCCAGCTTAGTCCCCAC-3'	
<i>VvMlo9</i>	CATTAACCACTTTCTTCTGAAGATG		
<i>VvMlo13</i>	5'-TGCTGCTTACAGTATTACAAACTCC-3'		5'-CCATGGCTGATGAACTTC-3' 5'-CATCCTTCGCATCATCGAAG-3'
<i>VvMlo17</i>	5'-CCAGAGAGGTTTAGGTTTGCAAG-3'		5'-CCATGGCTGATGAACTTC-3' 5'-TGAAGAAGCAGACAATCCAGAG-3'
	5' -qRT-PCR primer	3' -qRT-PCR primer	Product size (bp)
<i>VvMlo1</i>	5'-CCCTTTATGCCATTGTCACC-3'	5'-CTGTTAGCGTTACCAGTCGTTG-3'	130
<i>VvMlo3</i>	5'-TGGGTCATCCGCATATCAATG-3'	5'-TGCCAGTTTCTCAGAGCTTTC-3'	148
<i>VvMlo4</i>	5'-GGATGCTATTCACCAACTGC-3'	5'-GAACTGGTACTCGACTGTTC-3'	148
<i>VvMlo6</i>	5'-TAAGGCTTGTGATGGGTGTG-3'	5'-TCAACGACTCCCTCAGTAAAGAC-3'	124
<i>VvMlo7</i>	5'-GCAGTTACAGTACCTACCAC-3'	5'-CCGTTTTTCAGCTTGCTTTGT-3'	129
<i>VvMlo8</i>	5'-GTGTTATGGGCATCGTTTGTG-3'	5'-GAGCCATCTTTGTAAGAACAG-3'	140
<i>VvMlo9</i>	5'-TCAGTTCCTATGCGGTTATGTG-3'	5'-GTGCTGTGCCAGTGTCTGAG-3'	123
<i>VvMlo10</i>	5'- TGCTTCTTCAGACAGTTCTTTC-3'	5'-TACGACCTTGAAATCCTCGTC-3'	150
<i>VvMlo12</i>	5'- TGGTCTACATGCGGCTGATT-3'	5'- CCCATCCATGAATTGTCTCTC-3'	150
<i>VvMlo13</i>	5'-GGGTTGAAATCTTGCTATCATG-3'	5'-GAGCCACGGCTACTTTGTCA-3'	172
<i>VvMlo14</i>	5'-CAATCTTTGAGGAGCAAACCG-3'	5'-GGTTGCGTAGTAAATGCAAGG-3'	152
<i>VvMlo17</i>	5'-ACTCCCACTCTATGCCTTGG-3'	5'-ACACACCATTCGAGTGGC-3'	143
<i>EF1</i>	5'- CGGGCAAGAGATACCTCAAT-3'	5'- AGAGCCTCTCCCTCAAAAGG-3'	147

*Based on PN40024 genomic sequence