

**Supplementary Table S1.** Primers used in qRT-PCR

Gene name	Description	Primer orientation	Primer sequence (5' to 3')
<i>MdPAL</i>	Phenylalanine ammonia-lyase	Forward	GTGCTGTGGAGTCCCCGCTT
		Reverse	GGTGA GGCTCTCTCCGCCAAGT
<i>MdCHS</i>	Chalcone synthase	Forward	GGAGACAACTGGAGAAGGACTGGAA
		Reverse	CGACATTGATACTGGTGCTTCA
<i>MdCHI</i>	Chalcone isomerase	Forward	GGGATAACCTCGCGGCCAAA
		Reverse	GCATCCATGCCGGAAGCTACAA
<i>MdF3H</i>	Flavanone 3-hydroxylase	Forward	TGGAAGCTTGTGAGGACTGGGGT
		Reverse	CTCCTCCGATGGCAAATCAAAGA
<i>MdDFR</i>	Dihydroflavonol 4-reductase	Forward	GATAGGGTTTGAGTTCAAGTA
		Reverse	TCTCCTCAGCAGCCTCAGTTTTCT
<i>MdLDOX</i>	Leucoanthocyanidin dioxygenase	Forward	CCAAGTGAAGCGGGTTGTGCT
		Reverse	CAAAGCAGGCGGACAGGAGTAGC
<i>MdUGT</i>	UDP glucose-flavonoid 3- o -glucosyl transferase	Forward	CCACCGCCCTTCCAAACACTCT
		Reverse	CACCCTTATGTTACGCGGCATGT
<i>MdMYB10</i>	Transcription factor	Forward	TGCCTGGACTCGAGAGGAAGACA
		Reverse	CCTGTTTCCCAAAAGCCTGTGAA
<i>MdACSI</i>	1-aminocyclopropane-carboxylase (ACC) synthase	Forward	CTCCTCCTTTCCTTCGTTGA
		Reverse	ACCATGTCGTCGTTGGAGTAG
<i>MdACO1</i>	ACC oxidase	Forward	ATCAATGATGCTTGTGAGAACTG
		Reverse	GGTCTTCTTGTAAGTATCCTTGG
<i>MdACT</i>	Actin	Forward	TGACCGAATGAGCAAGGAAATTACT
		Reverse	TACTCAGCTTTGGCAATCCACATC