

Additional file 8: List of primers used for analysis of *ANTs*, *AILs*, and *MdMADS*' gene expression with qRT-PCR.

Gene	Primer Orientation	Primer Sequence (5'-3')
<i>MdAIL1</i>	Forward	CCTCAGAACCCATGCGATGATCTTG
	Reverse	GCCATGTTGTTCTGGTCCATGGAA
<i>MdAIL2</i>	Forward	CATAACACGGTATGATGTGGACCGA
	Reverse	TCCCCATTGCCGATTTGCGAA
<i>MdAIL3</i>	Forward	CTTCGGCCAACGCACATCCATTTA
	Reverse	AGATCGTAGGCTCTTGCTGCCTTT
<i>MdAIL4</i>	Forward	GCGGCCATAAAGTTTAGGGGCATT
	Reverse	TCTGCTCTTCAGCTTCGAGTGAGAG
<i>MdAIL5</i>	Forward	CTCCCTTCTTGTCTGCACCACTTC
	Reverse	TCTTCGGGCTGAAATAAAGCGAACTTG
<i>MdANT1</i>	Forward	CACCAAGGTGATCGAACCTAACATCCTG
	Reverse	CCAATGCCGTTGAGAAGGAAGGG
<i>MdANT2</i>	Forward	CCAAGGTGATCGAACCTAACATTGCAG
	Reverse	TCCTCCAATGCCATTGAGAATGAGAGA
<i>MdMADS5</i>	Forward	ATCCATCTCTGAGCTTCAGAGAAAGAG
	Reverse	GCTGTGGAAGCAGGTCAAGGC
<i>MdMADS10</i>	Forward	CACTTAATGGGAGATGCCTTGAGCACT
	Reverse	GCCTCTCGACTTCTGATACCTTAGTTCG