



**Figure S1.** Overexpression of *PIMYB108* promoted by CaMV35s promoter for tobacco transformation.

**Table S1**

Gene-specific primers used for *PlMYB108* isolation.

Primer	Sequence (5' - 3')	Description
<i>PlMYB108</i> <sub>1</sub>	AACAACGGTGAAGGTCGC	1 <sup>st</sup> of 3' RACE
<i>PlMYB108</i> <sub>2</sub>	TTCAAGCCGCCTCTAATG	2 <sup>nd</sup> of 3' RACE
<i>PlMYB108</i> <sub>3</sub>	CGAGGTCAGATAGCGGAGAACTTGACTGG	5' RACE (Clontech)

**Table S2**

Gene-specific primers used in gene expression analysis.

Gene	Species	GenBank accession	Forward primer sequence (5' - 3')	Reverse primer sequence (5' - 3')
<i>Actin</i>	<i>Paeonia lactiflora</i>	JN699053	GTTGCCCTTGATTACGAG	GCTTCCATTCCGATTAGTG
<i>MYB108</i>	<i>Paeonia lactiflora</i>	-	AGAAGAAACTCCCGTGCTA	GCGTTATTTATGGATGCC

**Table S3**

Gene-specific primers used for transformed tobacco line identification.

Gene name	Gene ID	Forward primer (5' - 3')	Reverse primer (5' - 3')	Application
<i>NtActin</i>	AB158612	TCCTCATGCAATTCTTCG	ACCTGCCCCATCTGGTAAC	PCR and qRT-PCR identification
<i>PlMYB108<sub>4</sub></i>	-	CAGTGGTCTCACAACATGGATGTT AATGGGAGAGG	CAGTGGTCTCATACAAATATTGCT GGAGAACTGTT	PCR identification
<i>PlMYB108<sub>5</sub></i>	-	AGAAGAAACTCCCGTGCTA	GCGTTATTTATGGATGCC	qRT-PCR identification