https://doi.org/10.1071/FP19317_AC
Supplementary Material: *Functional Plant Biology*, 2020, 47(5), 454–463

Supplementary Material

Ectopic expression of a R2R3 MYB transcription factor of dove tree (*Davidia involucrata*) aggravates seed abortion in *Arabidopsis thaliana*

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Fig. S1. PCR amplification of *DiMYB1* fragment.

Fig. S2. Relative expression levels of *DiMYB1* in leaves of transgenic and wild type plants.

Table S1. Information of primers applied in the present study

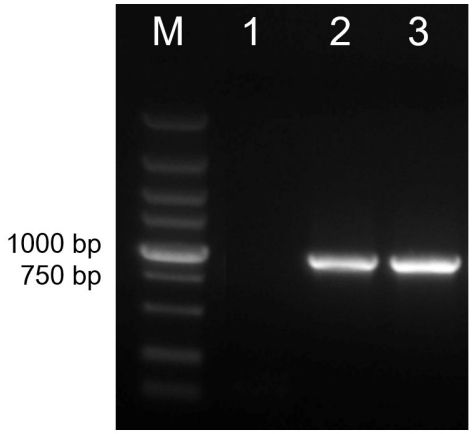

Fig. S1. PCR amplification of *DiMYB1* fragment. Lane M, DNA marker DL5000; Lane 1, negative control; Lane 2, PCR product using cDNA of abortive seed as template; Lane 3, PCR product using gDNA of *Davidia* as template.

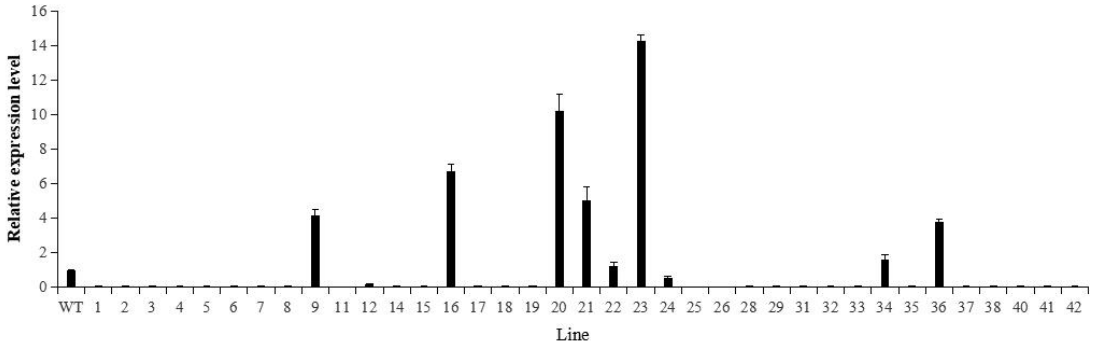

Fig. S2. Relative expression levels of *DiMYB1* in leaves of transgenic and wild type plants. WT, wild-type Arabidopsis; 1-42, transgenic lines.

Table S1. Information of primers applied in the present study

Primer	Primer sequence（5'-3'）	Product length	Function
DiMYB1-F	CGCGGATCCATGGGAAGGAAACCATGCTGTGCC	924 bp	PCR amplification of full length fragment of *DiMYB1*
DiMYB1-R	CGGAATTCCGTCAATCAATCCATTCATCCCCTGAATTTA		
Q-DiMYB-F	GGTTGGTGGAGATTACAGTA	90 bp	qPCR analysis of *DiMYB1*
Q-DiMYB-R	GCATCGTCGGTTGAATTG		
AtActin7-F	GGTCGTACAACTGGTAT	76 bp	qPCR analysis of *AtActin7* (reference gene for Arabidopsis)
AtActin7-R	TAGATACTTCCGATACGAG		
DiCAC-F	GGTGGATGCCTTCCGAATAA	83 bp	qPCR analysis of *DiCAC* (reference gene for *Davidia*)
DiCAC-R	CTAACCTCCAACGAGCAAGA		