

Supplementary Table S1. Sequences of primers used for gene cloning.

Target	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>CnCHI4 (to pMD19-T)</i>	GTGCTGAGAGAGAAAGAGAGCA	ACTCCACAAGACACATGTAGCT
<i>CnMYB7 (to pMD19-T)</i>	GTTAATCTTCATCTATAGTGTCTCCA	CCCAAATTCCTCCAACATAATGCA
	ATGGGACGGTCTCCTTGCTG	TCATTTCATCTCCAAGCTTCTGTAAT

Supplementary Table S2. Sequences of primers used for overexpression and subcellular localization.

Target	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>CnCHI4 (to Pcambia1302)</i>	CATG <b>CCATGG</b> ATGTCTCCATCACAGTCACCGTC	GG <b>ACTAGT</b> TTCAGCAGCAGCAGCTGTCT
<i>CnMYB7 (to pCAMBIA1302)</i>	CATG <b>CCATGGG</b> ACGGTCTCCTTGCTG	GA <b>AGATCT</b> GC TTTCATCTCCAAGCTTCTGTAATCC

Supplementary Table S3. Sequences of primers used for the genomic DNA PCR of *Nicotiana tabacum*.

Target	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>HYG</i>	ATGAAAAAGCCTGAACTCACCG	CTATTTCTTTGCCCTCGGACG

Supplementary Table S4. Sequences of primers used for the qRT-PCR.

Target	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>NtActing</i>	TCCTGATGGGCAAGTGATTAC	TTGTATGTGGTCTCGTGGATTC
<i>CnGAPDH</i>	GGGAATCCTTGGTACACTGAG	ACCCCATTCGTTGTCATACC
<i>CnCHI4</i>	GTCCGTCACCCAAGTCCAGAT	TGCCCCGAGGTTTCACA

Supplementary Table S5. Sequences of primers used for promoter cloning.

Order	Order	Forward primer (5' to 3')	Reverse primer (5' to 3')
1	(1)	GGTTCCAAGGCTTTGCTTATGGT	CAGTCTTGCCCTTCCACTTAACG
	(2)	CCGGTTTTTATGATTGGTTCTG	GCGCTATCTTCGAGGTACACTCC
	(3)	GGAAAAAGATAGCAATGGTGGAG	AAACGTGGCTCTCGATCTGGACT
2	(1)	GGTTCCAAGGCTTTGCTTATGGT	GAGTTGGGTTTGAAGTGATGTGT
	(2)	CCGGTTTTTATGATTGGTTCTG	TAATAGCATCCGTGAAGATTGAAA
3	(1)	TCCGGTTTTTATGATTGGTTCTG	CAGTCTTGCCCTTCCACTTAACG
	(2)	TCCGGTTTTTATGATTGGTTCTG	GCGCTATCTTCGAGGTACACTCC
	(3)	TCCGGTTTTTATGATTGGTTCTG	AAACGTGGCTCTCGATCTGGACT

Supplementary Table S6. Sequences of primers used for dual-luciferase assays.

Target	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>CHI4pro</i> (to <i>pGreenII0800-LUC</i> )	GG <b>GGTACC</b> TCCGGTTTTTATGATTGGTTCTG	CG <b>GGATCC</b> TGCTCTCTCTTTCTCTCTCAGCAC
<i>CnMYB7</i> (to <i>pGreenII62sk</i> )	ACGC <b>GTCGAC</b> ATGGGACGGTCTCCTTGCT	GG <b>GGTACC</b> TCATTTCATCTCCAAGCTTCTGTAA

Supplementary Table S7. Sequences of primers used for Y1H assays.

Target	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>CHI4pro</i> (to <i>pHIS2</i> )	<b>GGAATTC</b> AATTGTTCCATTGTTACCAATAAT	TCC <b>CCCGGG</b> AGTTAGAAAAGCGGCACAAGAGGG
<i>CnMYB7</i> (to <i>pGADT7</i> )	GGAATTC <b>CATATG</b> GGACGGTCTCCTTGCT	CG <b>GGATCC</b> TCATTTCATCTCCAAGCTTCTGTAA