

Figure S1. (A) The expression of PwNAC11 in transgenic *Arabidopsis* by RT-PCR. (B) The expression of PwNAC11 in transgenic *Arabidopsis* by RT-qPCR. Different letters indicate significant differences at p -value < 0.05 .

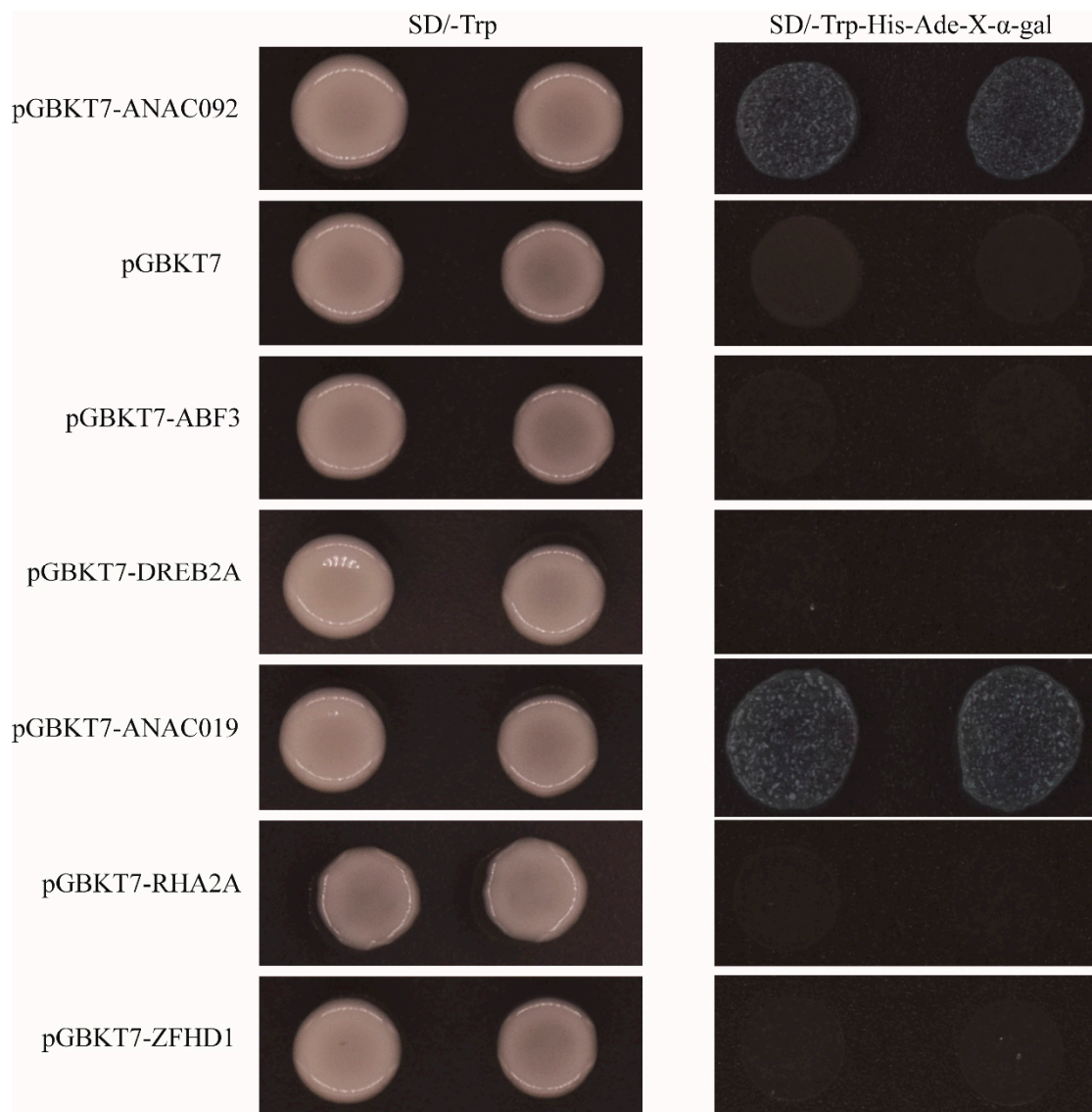


Figure S2. Yeast trans-acting activity assay for interacting proteins. pBD-ANAC092 was used as positive control.

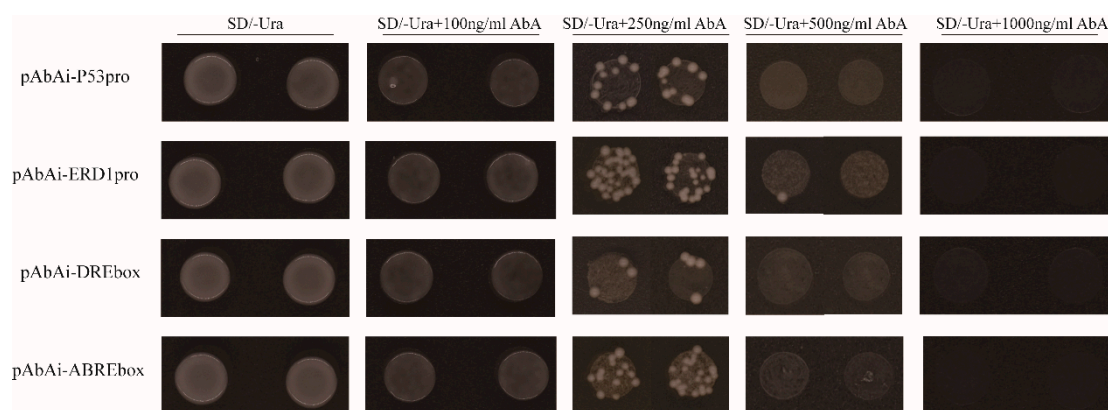


Figure S3. Screening of AbA concentration for yeast one-hybrid assays.

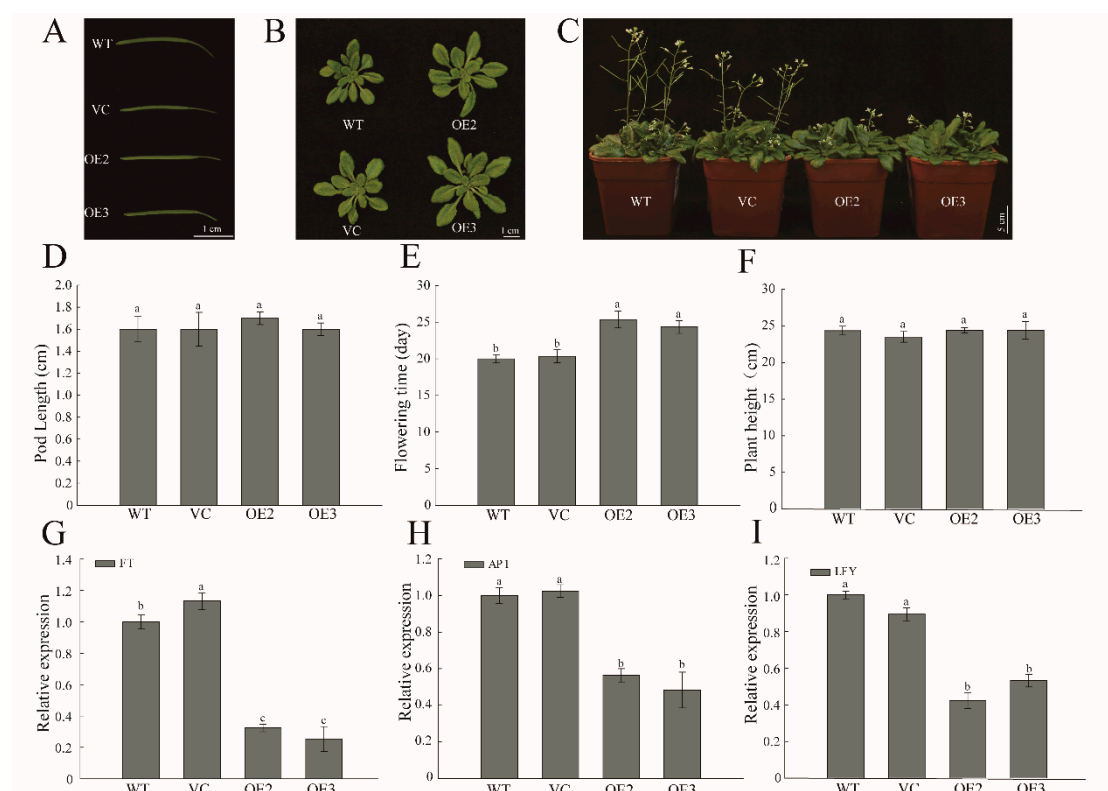


Figure S4. Effects of *PwNAC11* overexpression on plant growth and development. (A) Phenotypic assay of fruit pods in different lines under normal conditions. (B) Phenotypic assay of rosettes in each line under normal conditions. (D-F) Measurements of pod length, flowering time and plant height under normal conditions. (G-I) Expression patterns of some flowering-related genes. Different letters indicate significant differences at p-value < 0.05.

Supplementary Table S1. q-PCR primers used in this study

Gene Name	Gene No.	Sequences (5' to 3')	
<i>PwNAC11</i>	Forward	AGCAGAAGAATAGCCAGACTGT	
	Reverse	CAGGGCTCAGATTCATGGCA	

<i>PwEF-1α</i>		Forward	AACTGGAGAAGGAACCCAAG
		Reverse	AACGACCCAATGGAGGATAC
<i>ABF3</i>	AT4G34000	Forward	GATGTGGTTAACCGTTCTCAAC
		Reverse	CAGCTTGCAGTAGATTGTTGTT
<i>ATHB-7</i>	AT2G46680	Forward	GCAAGTGGCTATATGGTTTCAG
		Reverse	GAAGCCAAGTTGTCGTAGTTTT
<i>ZFHD1</i>	AT1G69600	Forward	CTTCCGAGAATCTCAACTTCCT
		Reverse	TAAGAGCAAGGAACAGGAGAAG
<i>NCED3</i>	AT3G14440	Forward	GATGAATTTGTTCCAGAGAGCG
		Reverse	AACACTAGGATCAGCCGTTTTA
<i>DREB2A</i>	AT5G05410	Forward	CATGTTTGATGTCGATGAGCTT
		Reverse	ATTCCGTAGTTGAGGCTTTGTA
<i>ANAC019</i>	AT1G52890	Forward	AATTCAGCAACAACGGTACTTC
		Reverse	GGTTTTCTGTTTCGGTTAAGTCC
<i>ANAC055</i>	AT3G15500	Forward	ACGAAGAGCTGATGGTTGAATA
		Reverse	TCCGTCGAGATAACTTTATCCG
<i>ANAC032</i>	AT1G77450	Forward	GATTGGACGATTGGGTATTGTG
		Reverse	AACGGAAAATCAAGGGCATTAC
<i>ERD1</i>	AT5G51070	Forward	CTTCTCTATCAGCACGAAACG
		Reverse	CGGTGCGATATATTGACAATCC
<i>FT</i>	AT1G65480	Forward	CTACAACTGGAACAACCTTTGG
		Reverse	TGACAATTGTAGAAAAGTGC GG
<i>API</i>	AT1G69120	Forward	CATTCTCGAAAAGAAGAGCTGG
		Reverse	ACTCCATCGACCAGTTTGTATT
<i>LYF</i>	AT5G11730	Forward	TAAAATGCGACACTACGTTTAC
		Reverse	CAGCTTTGTTGGAACATACCAA
<i>ABI5</i>	AT2G36270	Forward	AATAAGAGAGGGATAGCGAACG
		Reverse	GCTACCACCACCTCTATGTATC
<i>ACTIN</i>		Forward	GGTAACATTGTGCTCAGTGGTGG
		Reverse	AACGACCTTAATCTTCATGCTGC

Supplementary Table S2. Primers for vectors' construction in this study

Gene Name		Sequences (5' to 3')
<i>ERD1pro</i> -KpnI-pAbAi-F	Forward	TTCGAGCTCGGTACCAATTTGAATAAAGAAGAG
<i>ERD1pro</i> -SalI-pAbAi-R	Reverse	TGCCTCGAGGTCGACAGGAAGTAGATAACACCT
<i>PwNAC11</i> -NdeI-AD-F	Forward	GATTACGCTCATATGATGACACAGAAGGGT
<i>PwNAC11</i> -EcoRI-AD-R	Reverse	ACCCGGGTGGAATTCCTAATAAGACCTCTG
<i>DREB2A</i> -AD-NdeI-F	Forward	GATTACGCTCATATGATGGCAGTTTATGAT
<i>DREB2A</i> -AD-EcoRI-R	Reverse	ACCCGGGTGGAATTCCTAGTTCTCCAGATC
<i>ABF3</i> -AD-NdeI-F	Forward	GATTACGCTCATATGATGGGGTCTAGATTA
<i>ABF3</i> -AD-EcoRI-R	Reverse	ACCCGGGTGGAATTCCTACCAGGGACCCGT
p0800- <i>ERD1</i> -KpnI-F	Forward	GGCGAATTGGGTACCAATTTGAATAAAGAAGAG
p0800- <i>ERD1</i> -SalI-R	Reverse	ATCGATACCGTCGACAGGAAGTAGATAACACCT
SK- <i>PwNAC11</i> -BamHI-F	Forward	AGAACTAGTGGATCCATGACACAGAAGGGT
SK- <i>PwNAC11</i> -SalI-R	Reverse	CCCCTCGAGGTCGACCTAATAAGACCTCTG
SK- <i>DREB2A</i> -BamHI-F	Forward	AGAACTAGTGGATCCATGGCAGTTTATGAT
SK- <i>DREB2A</i> -SalI-R	Reverse	CCCCTCGAGGTCGACTTAGTTCTCCAGATC
SK- <i>ABF3</i> -BamHI-F	Forward	AGAACTAGTGGATCCATGGGGTCTAGATTA
SK- <i>ABF3</i> -SalI-R	Reverse	CCCCTCGAGGTCGACCTACCAGGGACCCGT
<i>PwNAC11</i> -AD-NdeI-F	Forward	GATTACGCTCATATGATGACACAGAAGGGT
<i>PwNAC11</i> -AD-EcoRI-R	Reverse	ACCCGGGTGGAATTCCTAATAAGACCTCTG
<i>DREB2A</i> -BD-NdeI-F	Forward	GAGGACCTGCATATGATGGCAGTTTATGATCAG
<i>DREB2A</i> -BD-SalI-R	Reverse	CCGCTGCAGGTCGACTTAGTTCTCCAGATC
<i>ABF3</i> -NdeI-BD-F	Forward	GAGGACCTGCATATGATGGGGTCTAGATTAAAC
<i>ABF3</i> -SalI-BD-R	Reverse	CCGCTGCAGGTCGACCTACCAGGGACCCGTC
<i>RHA2A</i> -NdeI-BD-F	Forward	GAGGACCTGCATATGATGGGGCTACAAGGT
<i>RHA2A</i> -SalI-BD-R	Reverse	CCGCTGCAGGTCGACTCAGTGGAGAGAGAA
<i>ZFHD</i> -NdeI-BD-F	Forward	TAAAATGCGACACTACGTTCAC
<i>ZFHD</i> -SalI-BD-R	Reverse	CAGCTTTGTTGGAACATAACCAA
<i>ANAC019</i> -NdeI-BD-F	Forward	GAGGACCTGCATATGATGGGTATCCAAGAA
<i>ANAC019</i> -SalI-BD-R	Reverse	CCGCTGCAGGTCGACTCACATAAACCCAAA