



**Figure S1.** The relative expression levels of *BdGF14g* in transgenic tobaccos were detected. The *NtGAPDH* was taken as the internal reference.

**Table S1.** Primers for constructions of pBI121-*BdGF14g*, pGBKT7-*BdGF14g* and pGADT7-*NtABF2*

Gene Name	Forward/ Reverse primers(5'-3')
pBI121- <i>BdGF14g</i>	GCTCTAGAAATGTCGGCACCTGCGGAGCT CGGGATCCCTGCCCATCACCAGAGTCA
<i>BdGF14g</i> -BD	GGATCCCG ATGTCGGCACCTGCGGAGCT AACTGCAGCTGCCCATCACCAGAGTCA
<i>NtABF2</i> -AD	CCATGGAGGCCAGTGAATTCATGGGGAGTAATTTTAATT CAGCTCGAGCTCGATGGATCCTTACCATGGACCAGTCTG

**Table S2.** Primers for expressions of related marker genes

Gene Name	Forward/ Reverse primers(5'-3')
<i>NtGAPDH</i>	TGCCTTGAGCAAGAACTTTGTG GGCAGATCAAATCAATCACACG
<i>NtERD10C</i>	AACGTGGAGGCTACAGATCG GTTCTCTTGGGCATGAGTT
<i>NtNCED1</i>	AAGAATGGCTCCGCAAGTTA GCCTAGCAATTCCAGAGTGG
<i>NtABF2</i>	GCAGCCATCTATCTATTC GCAACTCATCCATATTCA