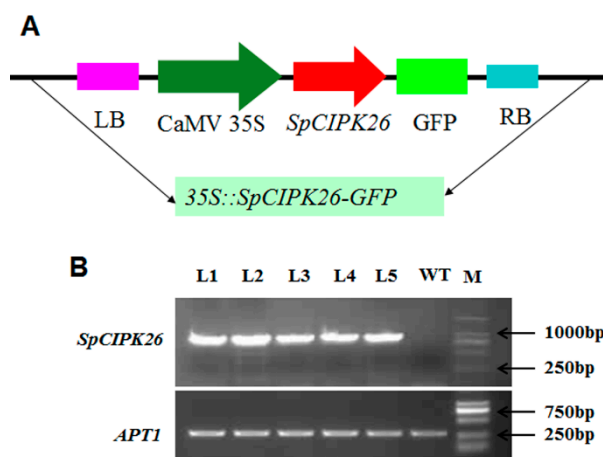


# Supplementary Materials: Expression of *Stipa purpurea* SpCIPK26 in *Arabidopsis thaliana* Enhances Salt and Drought Tolerance and Regulates Abscisic Acid Signaling

Yanli Zhou, Xudong Sun, Yunqiang Yang, Xiong Li, Ying Cheng and Yongping Yang



**Figure S1.** Generation and authentication of *SpCIPK26* transgenic *Arabidopsis thaliana* seedlings. (A) Construct diagram of overexpressed *SpCIPK26*. The expression of *SpCIPK26* cDNA insert is under the control of cauliflower mosaic virus 35S promoter, and introduced by *SalI* and *EcoRI* endonuclease digestion. LB, left border; RB, right border; GFP, green fluorescence protein; (B) the authentication of positive transgenic *SpCIPK26*-OXP by reverse transcription-polymerase chain reaction (RT-PCR). Amplification of adenosine phosphoribosyl transferase *APT1* served as a loading control. L1, L2, L3, L4 and L5 represent five independent transgenic lines of *SpCIPK26*; WT, wild type *Arabidopsis*; M, marker.

**Table S1.** Primer sequence of real-time quantitative reverse transcription polymerase chain reaction (qRT-PCR).

Target	Forward Primer	Reverse Primer
<i>RD29A</i>	GATGACGAGCTAGAACCTGAAG	CCTTTGTCCTGGTGAATAA
<i>RD29B</i>	CCAGAACTATCTCGTCCCAAAG	GAAGCTAACTGCTCTGTGTAGG
<i>ABF2</i>	GCAACAGCAACAGCCAATC	CACAAGACCACCACCTCTTATC
<i>CAT1</i>	GGGAACAACCTCCCTGTATTCT	CCTCCAGTTCTCCTGAATGTG
<i>UBQ10</i>	CGGATCAGCAGAGGCTTATT	GGGTGGATTCTTCTGGATATTG
<i>APT1</i>	GCCAGTCGGGACAGTGAAATG	CACCAATAGCCAACGCAATAGG
<i>SpCIPK26</i>	AGCTCGCGCCTTCTTTACTAT	CCTGCATAGATTGCTCAGGC
<i>SpACT1</i>	GATACGAGTAACGAACGGTGAT	CCCCCTCTCATTTTTATTACAC