

### Supplementary Material

#### Constitutive expression of *CaHSP22.5* enhances chilling tolerance in transgenic tobacco by promoting the activity of antioxidative enzymes

Meifang Li<sup>A</sup>, Lusha Ji<sup>A</sup>, Zefeng Jia<sup>A</sup>, Xinghong Yang<sup>B</sup>, Qingwei Meng<sup>B</sup> and Shangjing Guo<sup>A,C</sup>

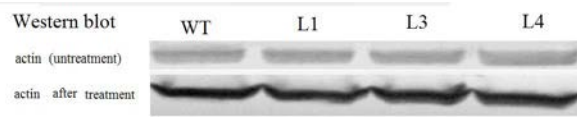
<sup>A</sup>College of Life Science, Liaocheng University, Liaocheng 252000, China.

<sup>B</sup>State Key Laboratory of Crop Biology, Shandong Key Laboratory of Crop Biology, Shandong Agricultural University, Taian 271018, China.

<sup>C</sup>Corresponding author. Email: guoshangjing@lcu.edu.cn

**Table S1.** Sequences of quantitative real-time PCR primers

Primers	Sequences (5'→3')	GenBank accession number
BiP-F	ACAACCAGAGTGCTGAGAAG	X60057.1
BiP-R	GCTAGCACCTGATTCTCCTCC	
PDI-F	GGCGACATTTGCATGAAGTCC	NM-001325371.1
PDI-R	CCTTGGGCAAAACCTCAGGTG	
calnexin-F	TTTGTTATGGAAGAGCGGAAT	NM-016654701.1
calnexin-R	CAGACACAATCCATCGCCA	
calreticulin-F	GGCTACTCAACGAAGGGCAA	NM-001325928.1
calreticulin-R	CAGCGGAGACTACAGCAACT	
actin-F	GGTAGCTCCACCTGAGAGGA	EU938079.1
actin-R	TCTACGGCCGATATGAGACT	



**Fig. S1.**