

***TaABC1*, a member of the activity of *bc<sub>1</sub>* complex protein kinase family from common wheat, confers enhanced tolerance to abiotic stresses in *Arabidopsis***

**Caixiang Wang, Ruilian Jing<sup>\*</sup>, Xinguo Mao, Xiaoping Chang, Ang Li**

The National Key Facility for Crop Gene Resources and Genetic Improvement,  
Institute of Crop Science, Chinese Academy of Agricultural Sciences, Beijing 100081,  
China

\* Corresponding author: Ruilian Jing

Tel/Fax: 86-10-82105829

Email: [jingrl@caas.net.cn](mailto:jingrl@caas.net.cn)

## Supplementary material

**Table S1. Primer pairs used in quantitative real-time PCR**

Gene	Accession number	Forward primer	Reverse primer
<i>DREB1A</i>	AT4G25480	TGCGTTGGCGTTTCAGGATG	CAAACCTCGGCATCTCAAACATCG
<i>DREB2A</i>	AT5G05410	CTGGAGAATGGTGCGGAAGA	CAGATAGCGAATCCTGCTGTTGT
<i>ABF3</i>	AT4G34000	CAACATCAGCAATGGTAATAGTGGA	CGTCCGAGGCAAGGTAAGTG
<i>RD29A</i>	At5G52310	ATCACTTGGCTCCACTGTTGTTC	ACAAAACACACATAAACATCCAAAGT
<i>CBF1</i>	AT4G25490	GTTTGGGATGCCGACTTTGTT	ACCATCTCCTTCGCCGTCAT
<i>KIN1</i>	AT5G15960	CCAACAAGAATGCCTTCCAAGC	GCTGCCGCATCCGATACT
<i>LEA</i>	AT2G21490	GAGCATCTTCGTCTGGTCTGGA	CTCGTGAGGTTGGTCGGTAGTG
<i>P5CS</i>	AT3G55610	AGCAGCCTGTAATGCGATGG	AAGTGACGCCTTTGGTTTGC
<i>Actin</i>	AT3G18780	TATCGCTGACCGTATGAGCAAAG	TGGACCTGCCTCATCATACTCG
<i>TaABC1</i>	HM773264	GTTATGGTGCCTCGTGTGATTCC	GGCCATAAGCAAGTGTAAGATCCG

## **Figure Legends and Figure**

### **Figure S1. Expression levels of *TaABC1* in different transgenic Arabidopsis lines**

The expression of *TaABC1* in OE2 line was regarded as the standard due to its lower level.

Fig. S1

