

Supplementary Information

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Manuscript Title: Overexpression of *BnaA10.WRKY75* decreases cadmium and salt tolerance via increasing ROS accumulation in *Arabidopsis* and *Brassica napus* L.

Authors: Xiaoke Ping, Qianjun Ye, Mei Yan, Jia Wang, Taiyuan Zhang, Sheng Chen, Kadambot H. M. Siddique, Wallace A. Cowling, Jiana Li, Liezhao Liu

Name, affiliation, and email of corresponding author:

Liezhao Liu

College of Agronomy and Biotechnology, Southwest University, Chongqing 400715, China.

liezhao@swu.edu.cn

Content: Table S1 and Figure S1

Table S1. List of primers used in the study

Primer name	Sequence (5'-3')
Primers for constructing overexpression vector	
BnaA10WRKY75 F	<u>GGATCC</u> CATGGAAGGATATGATGATGGATCG
BnaA10WRKY75 R	<u>AAGCTT</u> AAAAGAAGAGTAGATTTGCATTTGGGTG
Primers for constructing subcellular localization vector	
subBnaA10WRKY75 F	<u>GAATTC</u> CATGGAAGGATATGATGATGGATCG
subBnaA10WRKY75 R	<u>AAGCTT</u> AAAAGAAGAGTAGATTTGCATTTGGGTG
Primers for constructing GUS reporter gene vector	
Table S1 (Continued)	
Primer name	Sequence (5'-3')
pBnaA10WRKY75 F	GCG <u>AAGCTT</u> GTAAGCGTCGTAGTAGCATCCTTG

pBnaA10WRKY75 R **GTACCATGGGTCCCAATTA**ACTCTGGAATC

Primers for qRT-PCR

BnaHMA4c F	GGAGAGATAACTATGGCATGTGAGG
BnaHMA4c R	CTTCCTTCAAACCACAAACAGACAT
AtSOS1 F	GCAGGAAAGTGCATTGGTTCTTC
AtSOS1 R	AACCAATGCTGTTGCAGTCG
BnaA03.CAT2 F	GGAGCGTATTCCAGAGCGC
BnaA03.CAT2 R	TGGATGACAGTGGAGAAACGC
BnaA08.CAT2 F	GCTTCGCAGTCAAGTTCTACACT
BnaA08.CAT2 R	GTTTGGTTTAAGCGCGTGGAC
BnaC03.CAT2 F	TCACACCACCCTGAGAGCTTG
BnaC03.CAT2 R	GAGACTTGACTCCACACGTG
BnaC07.CAT2 F	CCGGCAAAGCTCACTACGTC
BnaC07.CAT2 R	CTCAGGCCAGGTCTTGGTC
AtCAT2 F	ACCTTTACACCAGAGAGGCAAG
AtCAT2 R	GACTTATCAGCCTGAGACCAGT
AtActin2 F	GGTAACATTGTGCTCAGTGGTGG
AtActin2 R	AACGACCTTAATCTTCATGCTGC
BnaActin 7 F	GGAAGCTCCTGGAATCCATGAGA
BnaActin 7 R	TCTTTGCTCATACGGTCAGCAATTCC

The bold and underlined nucleotides represent extra bases and recognition sites of restriction enzymes, respectively.

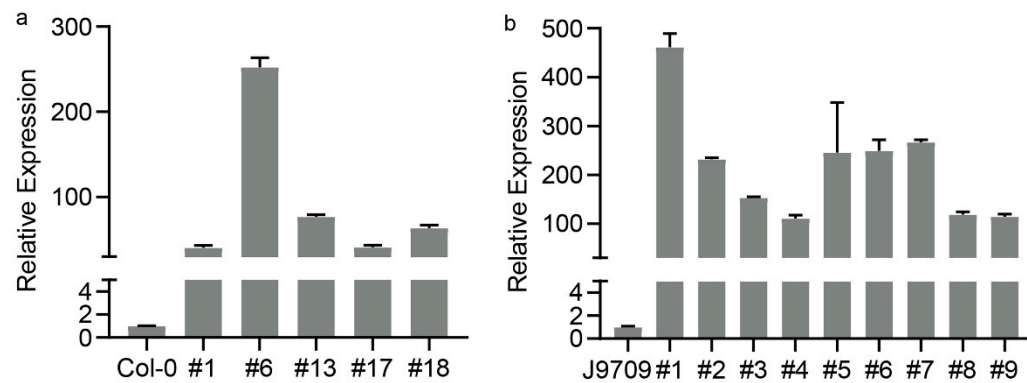


Figure S1. Overexpression level of *BnaA10.WRKY75* in transgenic (a) *Arabidopsis* and (b) rapeseed plants.