

Seed priming with polyethylene glycol regulating the physiological and molecular mechanism in rice (*Oryza sativa* L.) under nano-ZnO stress

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Table S1

Sequences of oligonucleotide primers used in QRT-PCR

Locus	Primer name	Sequence (5'-3')
Os03g0285700	Os-APXa-F	GCTGAGTGACCCTGCCTTCC
	Os-APXa-R	CCCCAGTTCGGAGAGCTTGA
Os07g0694700	Os-APXb-F	ACCCTGGGAAGATGCCACAA
	Os-APXb-R	GCCTTCCTTCTCGCCACTCA
Os02g0115700	Os-CATa-F	GGAAGCTGTTTCGTCCAGGTGAT
	Os-CATa-R	TCCGGCCATGTCTTGGTGTC
Os06g0727200	Os-CATb-F	TTCTCCAGCGGTGGGTTGAT
	Os-CATb-R	CCAAGGGACGCATCACACTG
Os03g0131200	Os-CATc-F	CACTCTCTGACCCTCGCCTCA
	Os-CATc-R	AGACGGCTCGCCAGTTTCTG
Os03g0351500	Os-SOD1-F	GGGAGATGGTCCCACCACTG
	Os-SOD1-R	GGCCCAGTTGACATGCAACC
Os03g0219200	Os-SOD2-F	CAACTCTACCGGGCCCCATT
	Os-SOD2-R	GGCTACTATGTTTCCCAGGTC
Os07g0665200	Os-SOD3-F	GCCAGATCCCCCTTACTGGA
	Os-SOD3-R	CCCCAGCATTTCCAGTGGTC
Os03g0718100	Os-ACT1-F	CTTCATAGGAATGGAAGCTGCGGGT
	Os-ACT1-R	CGACCACCTTGATCTTCATGCTGCT

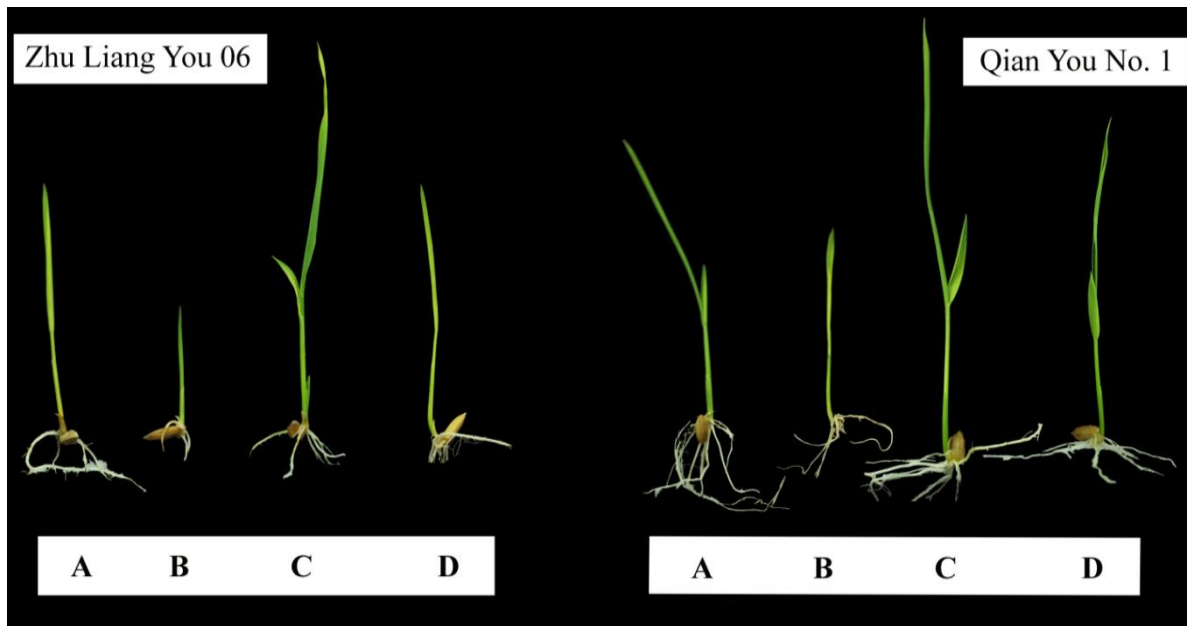


Fig. S1. Seedlings phenotypes of *Oryza sativa* (Zhu Liang You 06 and Qian You No.1) two weeks old, exposed to different concentrations of nano-ZnO.A [without priming and without stress (control)], B [without priming and high stress (750 mg L^{-1})], C [priming with PEG and without stress] and D [priming with PEG and high stress (750 mg L^{-1})].