

Supplementary Materials: Reactive Oxygen Species Generated by NADPH Oxidases Promote Radicle Protrusion and Root Elongation during Rice Seed Germination

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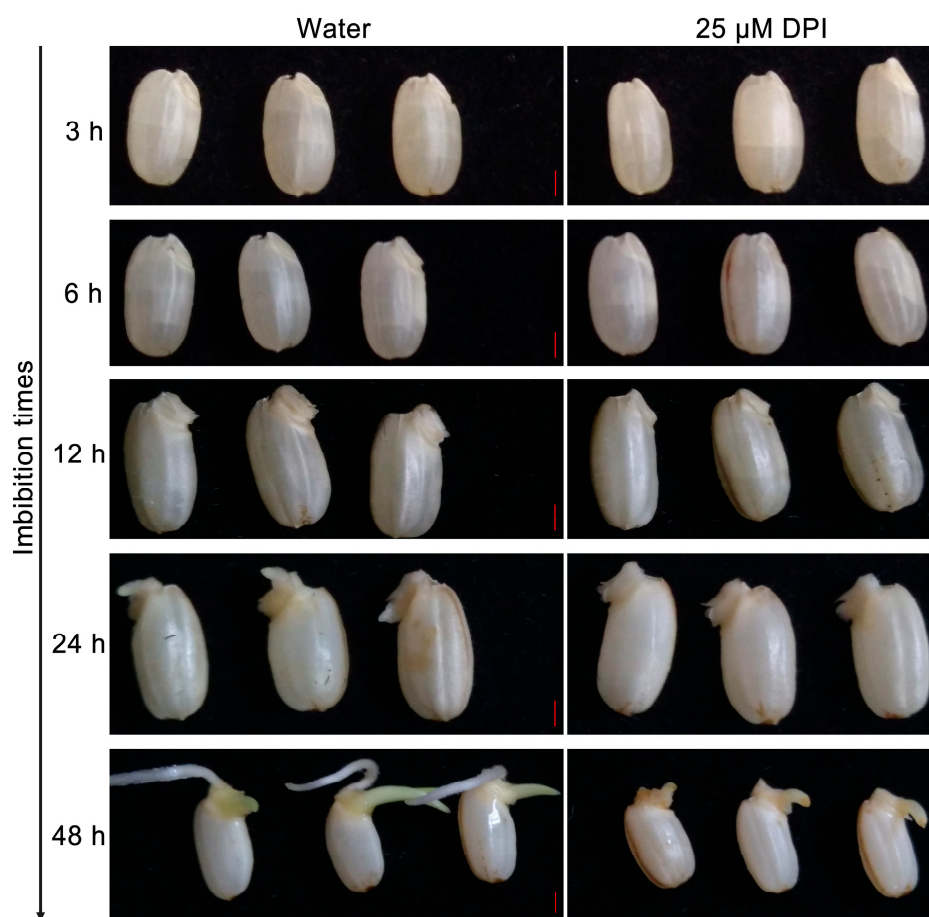


Figure S1. Germination morphologies of rice seeds incubated in water or with 25 μM DPI at different time points. Scar bar, 1000 μm .

Table S1. The gene-specific primers used for qRT-PCR in this study.

Gene Name	Primer Sequences	Amplicon Length	Span Introns/UTRs &
<i>OsNOX1</i>	Forward: 5'-GGCTTCAATGCCTTCTGGT-3' Reverse: 5'-ATGGCTCCTAAACAACCGA-3'	180 bp	Intron 6
<i>OsNOX2</i>	Forward: 5'-ATCCGCAAATAAGCACCTCT-3' Reverse: 5'-CAGTAGCCCATCACATCAAAGAC-3'	155 bp	/
<i>OsNOX3</i>	Forward: 5'-TCAAGGCAGCGATTTACCC-3' Reverse: 5'-CTCGCAAGCCTTCCCAA-3'	233 bp	Introns 6, 7, 8
<i>OsNOX4</i>	Forward: 5'-CACAAGGTTATCGCACTGACG-3' Reverse: 5'-AGCGATGAGTATGTTGGTTGA-3'	158 bp	Intron 5
<i>OsNOX5</i>	Forward: 5'-CCAGTGGGTGGGAAAAGTG-3' Reverse: 5'-GTCCGATTGGCGGGTAAA-3'	247 bp	Introns 9, 10
<i>OsNOX6</i>	Forward: 5'-CCTTCTCCATCACTTCAGCA-3' Reverse: 5'-GGGCCATCTACAAGCAACC-3'	194 bp	Intron 8
<i>OsNOX7</i>	Forward: 5'-GTCAAATGCTTATGCTGTCA-3' Reverse: 5'-TGCCAGTCTCCGTTTGT-3'	223 bp	Introns 7, 8
<i>OsNOX8</i>	Forward: 5'-GAGCGTGAGGCCAGTGAAGATA-3' Reverse: 5'-AAGCTTGGGTGGTCATGGCG-3'	330 bp	Introns 6, 7, 8
<i>OsNOX9</i>	Forward: 5'-TACTTCGGGCAGACACGGAT-3' Reverse: 5'-GCGGGTTGCTGTCACTAAG-3'	151 bp	/
<i>OsGAPDH1</i> *	Forward: 5'-GCAATCAAGGAGGAGGCTGA-3' Reverse: 5'-ACGTGTCGCTCAAAGCAATG-3'	139 bp	Introns 8, 9

* *OsGAPDH1* (RAP-DB ID: Os02g0601300) was chosen as an internal control in rice; & UTRs, untranslated regions.