

Title: Acclimation responses of *Arabidopsis thaliana* to sustained phosphite treatments

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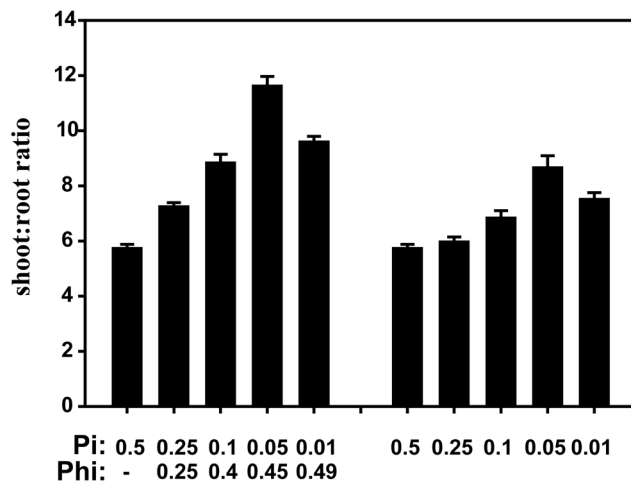
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Supporting Data

Table S1: Sequences of primers used for gene expression analyses

Target gene	forward primer sequence (5' – 3')	reverse primer sequence (5' – 3')
<i>PDF2</i> (At1g13320)	TTGGCCACGTAAATTTGATGTT	GCAGCATATAGTTCCTCAGGTTCTAGA
<i>UBC9</i> (At4g27960)	GCAACGGGTCCTGCGCTACA	CCATTGGATTGGTTTTTCGATTGCAGA
<i>UPL7</i> (At3g53090)	GGATAAAAGGTCTAGGTGCATAACAAGATGA	TCTACGTGCTACAATACTCTTAAGCTTCCA
<i>At4</i> (At5g03545)	GATCGAAGTTGCCCAAACGA	GAGCGATGAAGATTGCATGAAG
<i>miRNA399d</i> (At2g34202)	CTCCTTTGGCAGAGAAGCATTTT	GGTTGGATTACTGGGCGAATACT
<i>PHO1</i> (At3g23430)	GTGCTCATTCTCCACTCTGTAAAAGT	GGGTCAGTCCTGTTCAGTCTCAT
<i>PHO2</i> (At2g33770)	CATCTCAAATGCTTTGGAGGCT	CGAGCCGAGGGAGAGAAAAA
<i>PHR1</i> (At4g28610)	TGTAATACCTATCCCACCTTTCAAATC	ATATCGGCCAGAACCATCAGAAAC
<i>PHT1;1</i>	CCAAAGGCAAGTCCCTTGAAGAACT	AACAAAACCAAACATCGCACTCCAAATAA
<i>PHT1;4</i>	TTGCTCCTAATTTTCCTGATGCT	TGTGCCGCGCAAATCT
<i>PAP1</i>	TTGAAGATCAGAGAATTCAGCAAGA	CCGGTTTACCAGAGTGTATGCA
<i>NMT3</i> (At1g48600)	TGCTGGCTTGTCTTGGATATGT	GCACCAAGAAGGAGTATCCTGATAA
<i>SQD2</i> (At5g01220)	ATCCGGTTTTTCCCTCCTGATC	CCTTGTGGTTCTTGAAGCAATGT
ASK11	TTCGTAAGGAGAATCAATGGGCT	CATAATAAAGATGTAGACAAAGTTATCATAATCGA

Supporting Figure 1



Shoot : root ratios of plants under +Phi and -P treatments.

The increase in shoot:root ratio observed for Phi treated plants is caused by the strong reduction in primary root biomass (Fig. 1). The slight increase also observed for the -P treatment is likely caused by the reduction in primary root growth characteristic under low P supply while the lateral roots were still developing. Therefore the laterals contributed little to overall root biomass at the time when tissue harvest was necessary.

