

1 Supplemental Table S4. The 30 PSI genes whose expression is most reduced in *phl2*.

AGI Code	Gene Description	% of the expression in the WT
AT3G47480	Calcium-binding EF-hand family protein	8.67%
AT1G60470	Galactinol synthase 4 (GOLS4)	11.50%
AT4G39640	Gamma-glutamyltranspeptidase 1 (GGT1)	12.28%
AT3G54650	F box-like protein 17(FBL17)	13.64%
AT5G26920	Calmodulin-binding protein 60-like G (CBP60G)	14.82%
AT5G66700	Homeobox protein 53(ATHB53)	14.92%
AT4G12030	Bile acid transporter 5 (BAT5)	15.73%
AT4G26200	ACC synthase 7 (ACS7)	17.59%
AT1G22150	Sulfate transporter 1;3 (SULTR1;3)	17.72%
AT1G32940	Subtilase family protein (SBT3.5)	19.11%
AT1G13520	Protein of unknown function (DUF1262)	19.68%
AT5G40780	Lysine histidine transporter 1 (LHT1)	20.44%
AT1G49900	C2H2 transcription factor family protein	20.46%
AT3G47540	Chitinase family protein	20.57%
AT1G11190	Bifunctional nuclease I(BFN1)	21.36%
AT5G48850	Sulphur deficiency-induced 1 (ATSDI1)	21.57%
AT2G38740	HAD superfamily protein	21.62%
AT3G03660	WUSCHEL related homeobox 11(WOX11)	21.91%
AT4G04890	Protodermal factor 2 (PDF2)	22.24%
AT5G06720	Peroxidase 2	22.28%
AT1G13750	Purple acid phosphatase 1 (PAP1)	22.30%
AT2G32830	Phosphate transporter 1;5 (Pht1;5)	22.32%
AT1G63750	Disease resistance protein (TIR-NBS-LRR class)	22.47%
AT4G08780	Peroxidase superfamily protein	22.76%
AT2G16870	Disease resistance protein (TIR-NBS-LRR class)	22.77%
AT2G30750	Member of cytochrome P450 (CYP71A12)	23.32%
AT1G68100	IAA-alanine resistance protein 1 (IAR1)	23.42%
AT5G04120	Encodes a dPGM-like protein	23.54%
AT4G37370	Member of cytochrome P450 (CYP81D8)	23.57%
AT4G20210	Terpene synthase 8 (TPS08)	23.57%

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