

## Supplementary Data

### Phototropin 1 and 2 Influence Photosynthesis, UV-C Induced Photooxidative Stress Responses, and Cell Death

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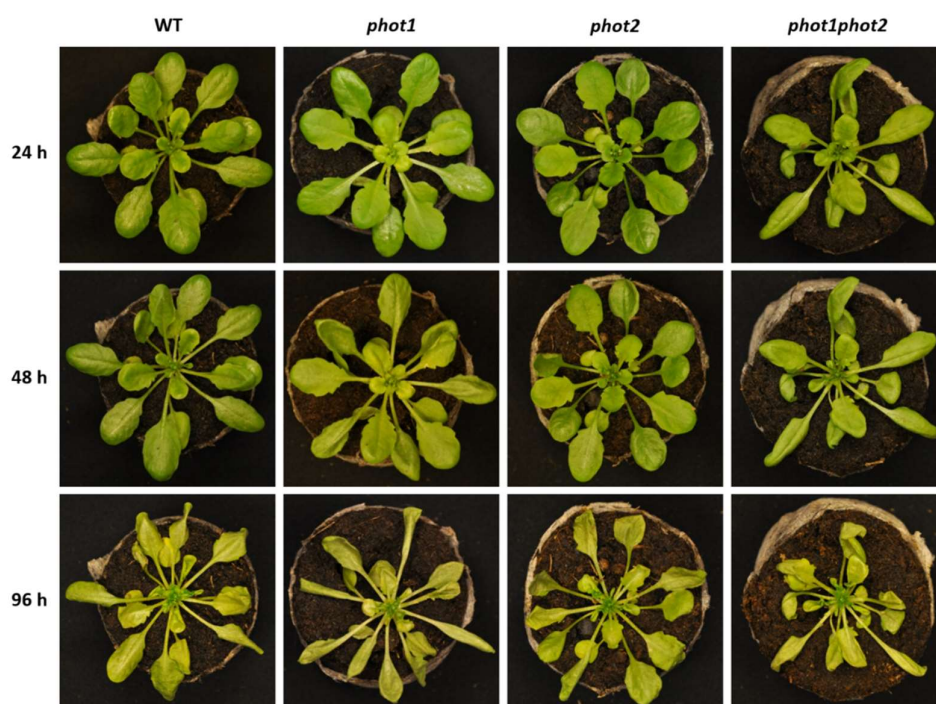
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**Figure S1.** Rosette morphology of 4-week-old *Arabidopsis thaliana* wild-type (WT) and phototropin mutants (*phot1*, *phot2*, and *phot1phot2*), in the Col-gl1 background. Pictures were taken for plants 24, 48 and 96 h after UV-C exposure (100 mJ cm<sup>-2</sup>).

**Table S1.** List of genes and their corresponding primers, used for qPCR.

Gene abbreviation	Gene name	AGI	Forward primer	Reverse primer
<i>5-FCL</i>	<i>5-FORMYLTETRAHYDROFOLATE CYCLOLIGASE</i>	AT5G13050	GCAAACCTCAATGAACATTTTGG	GATCGGTTTCATCTGCTTGC
<i>ACD6</i>	<i>ACCELERATED CELL DEATH 6</i>	AT4G14400	GGGACGAACCTTAAGCAAAA	CAGAACTGTCCATCGCAAAAC
<i>BCH2</i>	<i>BETA CAROTENOID HYDROXYLASE 2</i>	AT5G52570	GGCTATAATGGCTGTTTATTACCG	ACATCTCTAACACAGACACTTCACCT
<i>CRK15</i>	<i>CYSTEINE-RICH RLK (RECEPTOR-LIKE PROTEIN KINASE) 15</i>	AT4G23230	CACCACCGCTACCTCCTTC	CACATTGAAITCCAACCTTTTCC
<i>CRK24</i>	<i>CYSTEINE-RICH RLK (RECEPTOR-LIKE PROTEIN KINASE) 24</i>	AT4G23320	AATATTCGTCCTCGTCAAAAAGA	GAACAACGATAATCGCCACA
<i>ERD4</i>	<i>Early-responsive to dehydration stress protein</i>	AT3G54510	CCAGGGAATTGCAAAGTATGA	CAACTGAGCTAAGCCCTGGTA
<i>LHCB1.1</i>	<i>LIGHT HARVESTING CHLOROPHYLL A/B-BINDING PROTEIN 1.1</i>	AT1G29920	TGCGGCATCAGAAGTCCT	TGCCTGATGGACCCCTTTG
<i>LHCB2.1</i>	<i>LIGHT HARVESTING CHLOROPHYLL A/B-BINDING PROTEIN 2.1</i>	AT2G05100	AGTCTACTCCTCAAAGCATCTGGT	CGGTTAGGTAGGACGGTGTATT
<i>LHCB2.2</i>	<i>LIGHT HARVESTING CHLOROPHYLL A/B-BINDING PROTEIN 2.2</i>	AT2G05070	TACTCCCCAAAGCATCTGGT	CCGGGGTATTCTCCAGTTAAG
<i>LHCB2.4</i>	<i>LIGHT HARVESTING CHLOROPHYLL A/B-BINDING PROTEIN 2.4</i>	AT3G27690	GCGTCGTACCGTCAAGTCTAC	GGAAAATGGTCTAGGTATTTGG
<i>PHOT1</i>	<i>PHOTOTROPIN 1</i>	AT3G45780	CAACGAAATTCGCGAGAAAA	TCGTCTATAGATTTCATCCAAAAGATT
<i>PHOT2</i>	<i>PHOTOTROPIN 2</i>	AT5G58140	GCTACCACTCTTGAGCGCATA	CAAGAAAGCTGTCTGATGCAAA
<i>PP2AA2</i>	<i>PROTEIN PHOSPHATASE 2A SUBUNIT A2</i>	AT3G25800	TGCAATGGTTACAAGACAAGGTT	GCATTGCCCATTCAGGAC
<i>PR2</i>	<i>PATHOGENESIS-RELATED PROTEIN 2</i>	AT3G57260	GCTTAGCCTCACCAACAATG	CCCGTAGCATACTCCGATTT
<i>YLS8</i>	<i>YELLOW-LEAF-SPECIFIC GENE 8</i>	AT5G08290	TTACTGTTTCGGTTGTCTCCATTT	CACTGAATCATGTTCGAAGCAAGT