

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: List of genes significantly regulated in different genotypes under red vs dark conditions.

File Name: Supplementary Data 2

Description: List of 1861 genes that are not significantly regulated in cop1-4 and spaQ but in wild-type under red light.

File Name: Supplementary Data 3

Description: List of the genes significantly regulated in spaQ but not in cop1-4 under red light.

File Name: Supplementary Data 4

Description: GO Enrichment analysis of genes overlapped in phyB FL and phyB ΔC mutant.

File Name: Supplementary Data 5

Description: GO Enrichment analysis of 561 genes that were misregulated in phyB ΔC mutant vs phyB FL.

File Name: Supplementary Data 6

Description: GO Enrichment analysis of list of genes overlapped between phyB Cterminal-dependent and SPA-dependent under red light.

File Name: Supplementary Data 7

Description: List of PIF target genes which are significantly regulated in spaQ mutants under red light.