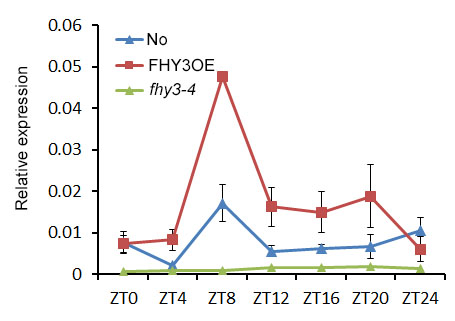
**Supplementary Figures and Tables**

**图表, 直方图

描述已自动生成**

Supplementary Figure 1. ﻿Bioluminescence assays showing expression of the *FHY1p:LUC* reporter in wild-type plants. ﻿Seedlings carrying the *FHY1p:LUC* reporter were grown under 12L:12D conditions for 6 d before being transferred to continuous white light. Values are means ± SD (n = 3 technical replicates).



Supplementary Figure 2. The rhythmic expression of *FHY1* in No, FHY3OE (*35S::Flag-FHY3-HA*), and *fhy3-4* mutant. (A) and (B) Values are means ± SD; n=3.

图片包含 游戏机, 华美

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Supplementary Figure 3. Expression profiles of 224 phyA-induced genes transcripts. Expression values were from Diurnal database (<http://diurnal.mocklerlab.org/>). Heatmap was drawn by R software.

图表, 折线图

描述已自动生成

Supplementary Figure 4. Expression of *CCA1* and *TOC1* in response to FR irradiation. Seedlings grown in darkness for 4 d and then transferred to FR light for various time periods. Values are means ± SD; n=3.

图形用户界面, 图示

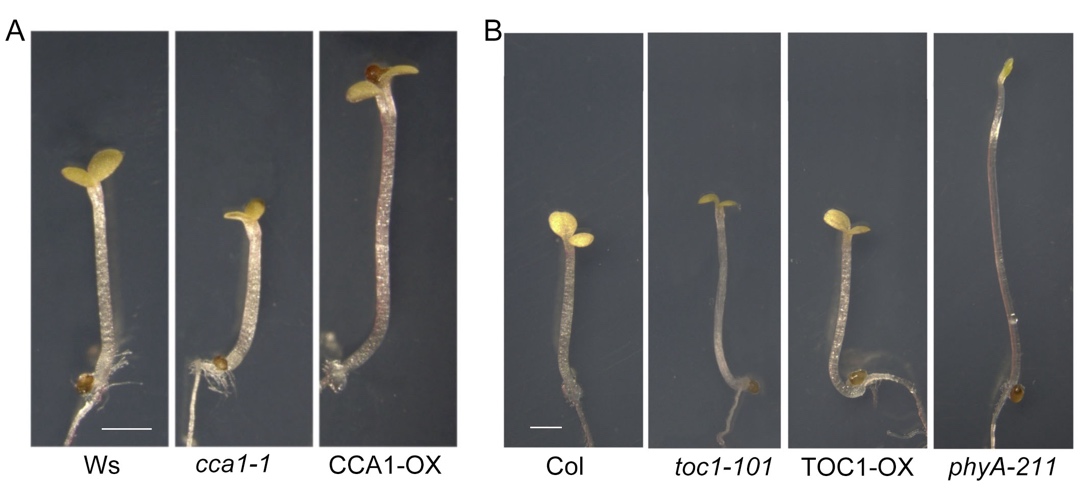
描述已自动生成

Supplementary Figure 5. ﻿Immunoblot assay of CCA1 and TOC1 protein accumulation in response to FR treatment. Four-day-old dark-grown *35S::FLAG-CCA1-HA* and *35S::FLAG-TOC1-HA* seedlings were exposed to far-red light, and collected at the indicated times. Anti-FLAG was used to detect CCA1 and TOC1 proteins. Tubulin was used as a loading control.

手机屏幕截图

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Supplementary Figure 6. Expression analysis of FR responsive genes in *toc1-101* and *cca1-1* mutants. qRT-PCR analysis of *HY5*, *βAMY*, *PIL1*, *CAB2*, *CAB3* and *HFR1* expression in *toc1-101* and its wild-type background (Col), *cca1-1* and its wild-type background (Ws). Seedlings were grown in darkness for 4 d and then transferred to FR light for various time periods. Values are means ± SD; n=3.



Supplementary Figure 7. Phenotypic analysis of hypocotyl growth under continuous FR light. ﻿Bar = 2mm.

Supplementary Table 1. Primers Used in This Study

|  |  |  |
| --- | --- | --- |
| Primer | Usage | Sequence (5’ to 3’) |
| CCA1 | qPCR | TCTGTGTCTGACGAGGGTCGAATT |
| ACTTTGCGGCAATACCTCTCTGG |
| TOC1 | qPCR | ATCTTCGCAGAATCCCTGTGATA |
| GCACCTAGCTTCAAGCACTTTACA |
| FHY1 | qPCR | GATGAAAGAGGAATCATCTGGA |
| AATCCTCTAAGTTCTGAGTCCCA |
| FHL | qPCR | ACCCAAGACTTTACTCACATGG |
| CACTCCACCTTGCAGAAGAA |
| TOC1 | qPCR | ATCTTCGCAGAATCCCTGTGATA |
| GCACCTAGCTTCAAGCACTTTACA |
| HY5 | qPCR | gtcccgctcttttcctctttatc |
| GTCGCTTGTTCCTGCATTTTTC |
| B-AMY | qPCR | TCGGGAAAACTAACTGGGGAACA |
| ACTCGCTATTCCATGTTCCGTCTCT |
| PP2a | qPCR | TAACGTGGCCAAAATGATGC |
| GTTCTCCACAACCGCTTGGT |
| TOC1 | Transient assay | CGATAGTACTGTCGACATGGATTTGAACGGTGAGTGTAAAG |
| TACCCTCGAGGTCGACAGTTCCCAAAGCATCATCC |
| CCA1 | Transient assay | CGATAGTACTGTCGACATGGAGACAAATTCGTCTGGAGAA |
| TACCCTCGAGGTCGACTGTGGAAGCTTGAGTTTCCA |
| FHY1pro | Y1H | ACTGAATTCGTCAGTAACATCTCCTAAGCAACG |
| ACTCTCGAGAGATCGCAGAGAGAGAGAGAGAG |
| FHLpro | Y1H | TATTGGATCGGAATTCTATAGTTTTTTGCCTACGTAGAAATGG |
| GAGCACATGCCTCGAGGATCTTAGAAGATTAATTTTCTTCCTCC |