

CORRECTION

# Correction: FIN219/JAR1 and cryptochrome1 antagonize each other to modulate photomorphogenesis under blue light in *Arabidopsis*

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There is an error in panel A of [Fig 2](#). Specifically, the sample order should read ‘Col-0, *FIN219-OE*, *cry1*, *FIN219-OE/cry1*, *cry2*, *FIN219-OE/cry2*, *cry1cry2*, *FIN219-OE/cry1cry2*’, not ‘Col-0, *FIN219-OE*, *cry1*, *cry2*, *FIN219-OE/cry1*, *cry1cry2*, *FIN219-OE/cry2*, *FIN219-OE/cry1-cry2*’. The authors have provided a corrected version here.

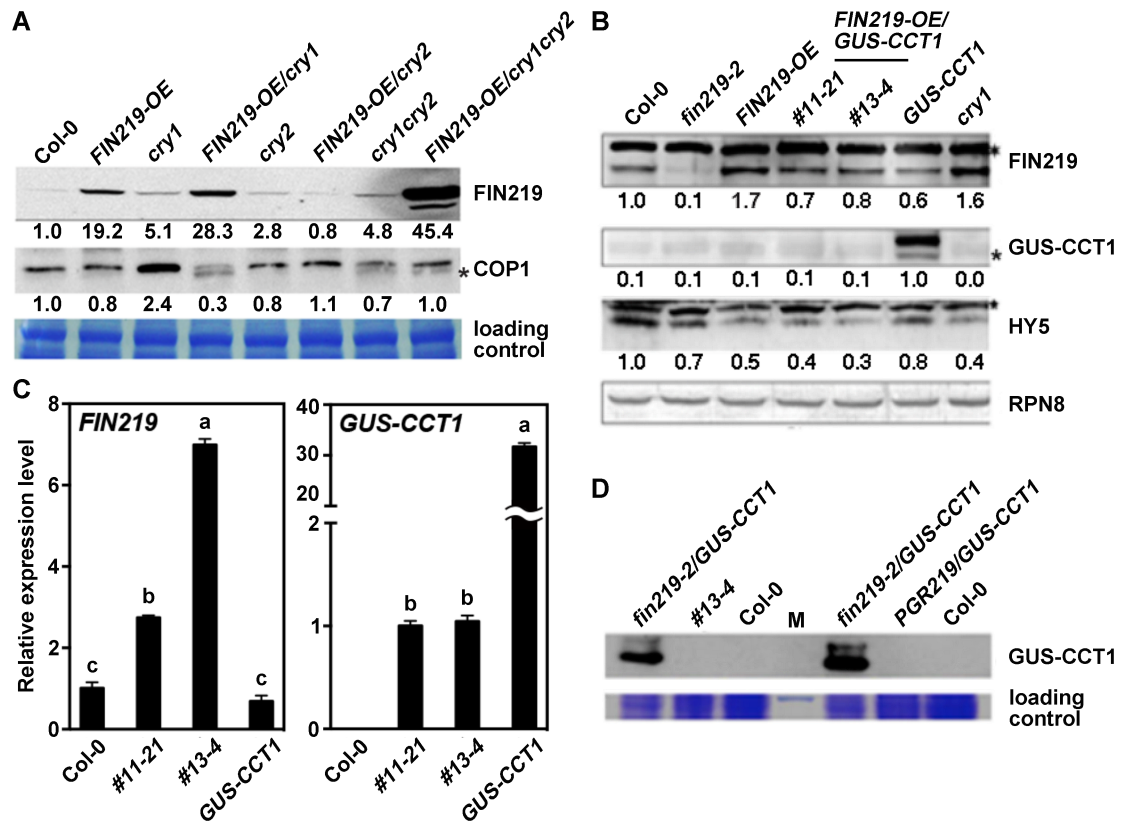


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**Fig 2. FIN219 and CRY1 antagonize each other under blue light.** (A) CRY1 and CRY2 negatively regulate FIN219 protein level under blue light. Western blot analysis of FIN219 protein level in wild-type Col-0, *cry1*, *cry2* mutants and transgenic seedlings grown under blue light. The signal was detected by FIN219 monoclonal antibody. Blue light:  $2.2 \mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ . The number below each blot represents the level of the indicated protein. The level of wild-type Col-0 was arbitrarily set to 1. The asterisk (\*) indicates nonspecific bands. (B) FIN219 overexpression in *GUS-CCT1* seedlings abolishes GUS-CCT1 fusion protein in blue light. Western blot analysis of protein levels in Col-0, *fin219-2*, FIN219 overexpression line (FIN219-OE), FIN219-OE/*GUS-CCT1*, *GUS-CCT1* and *cry1* seedlings grown in blue light for 3 days. The blots were detected by antibodies against FIN219 and GUS-CCT1 and HY5. Blue light:  $2.2 \mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ . RPN8 was a loading control. The asterisk (\*) indicates nonspecific bands. The number below each blot represents the level of the indicated protein. The level of wild-type Col-0 was arbitrarily set to 1. (C) *GUS-CCT1* transcripts detected in transgenic seedlings of FIN219-OE/*GUS-CCT1* under blue light. Quantitative Real-time PCR (qPCR) analysis of transgenic seedlings shown in B. Total RNAs were extracted from transgenic seedlings shown in the figure and subjected for qPCR analysis. *Ubiquitin 10 (UBQ10)* was an internal control. (D) GUS-CCT1 fusion proteins were stable in *fin219-2/GUS-CCT1* seedlings under blue light. Western blot analysis of GUS-CCT1 level in Col-0, FIN219-OE/*GUS-CCT1* (#13-4), *fin219-2/GUS-CCT1* and *PGR219/GUS-CCT1* seedlings grown in blue light for 4 days. Total proteins extracted from seedlings were probed with GUS antibody. M, protein size markers.

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## Reference

- Chen H-J, Fu T-Y, Yang S-L, Hsieh H-L (2018) FIN219/JAR1 and cryptochrome1 antagonize each other to modulate photomorphogenesis under blue light in *Arabidopsis*. *PLoS Genet* 14(3): e1007248. <https://doi.org/10.1371/journal.pgen.1007248> PMID: 29561841