

## Research Paper

# Phototropin Mediated Relocation of Myosins in *Arabidopsis Thaliana*

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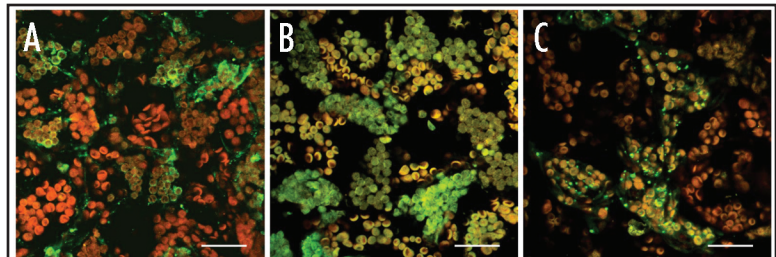
Once the issue is complete and page numbers have been assigned, the citation will change accordingly.

### KEY WORDS

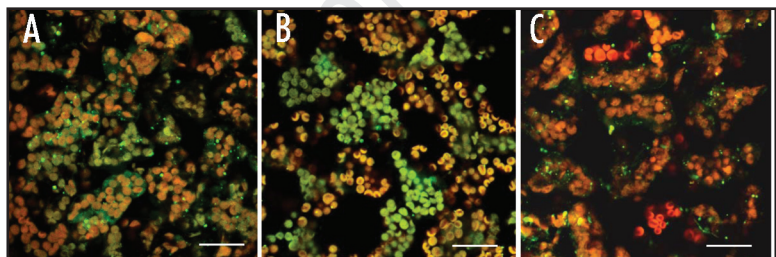
Arabidopsis, blue light, chloroplast movements, myosins, phototropins

### ACKNOWLEDGEMENTS

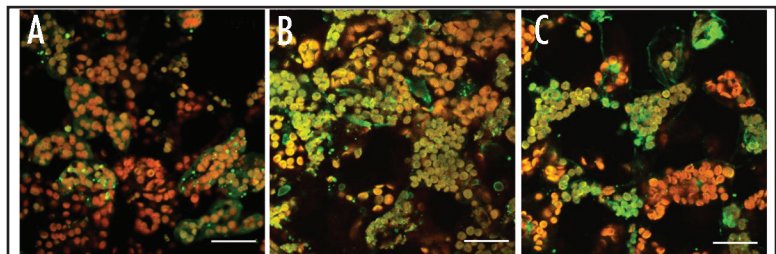
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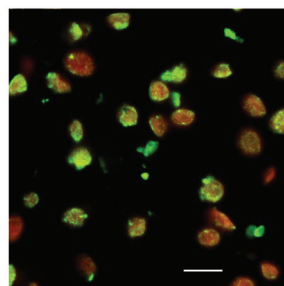
Suppl. Fig. 1. Confocal immunofluorescence images of *Arabidopsis thaliana* mesophyll, wild type plants. Myosins are labeled with anti-rabbit (Smooth and Skeletal) antibodies and with secondary FITC-conjugated antibodies (yellow-green color). Red-orange colour comes from chloroplast autofluorescence. Arrangements of myosins in the dark-adapted tissue (A), weak blue light-irradiated tissue (B), strong blue light-irradiated tissue (C). The bars are 30 µm.



Suppl. Fig. 2 Confocal immunofluorescence images of *Arabidopsis thaliana* mesophyll, *phot1* mutant plants. Myosins are labeled with anti-rabbit (Smooth and Skeletal) antibodies and with secondary FITC-conjugated antibodies (yellow-green color). Red-orange colour comes from chloroplast autofluorescence. Arrangements of myosins in the dark-adapted tissue (A), weak blue light-irradiated tissue (B), strong blue light-irradiated tissue (C). The bars are 30 µm.



Suppl. Fig. 3 Confocal immunofluorescence images of *Arabidopsis thaliana* mesophyll, *phot2* mutant plants. Myosins are labeled with anti-rabbit (Smooth and Skeletal) antibodies and with secondary FITC-conjugated antibodies (yellow-green color). Red-orange colour comes from chloroplast autofluorescence. Arrangements of myosins in the dark-adapted tissue (A), weak blue light-irradiated tissue (B), strong blue light-irradiated tissue. The bars are 30 µm.



Suppl. Fig. 4. Immunofluorescent labeling of isolated chloroplasts of *Arabidopsis thaliana* wild type with anti-myosin antibodies (Smooth and Skeletal). Isolation and staining procedures according to Wojtaszek et al. 2005. The bar is 10 µm.