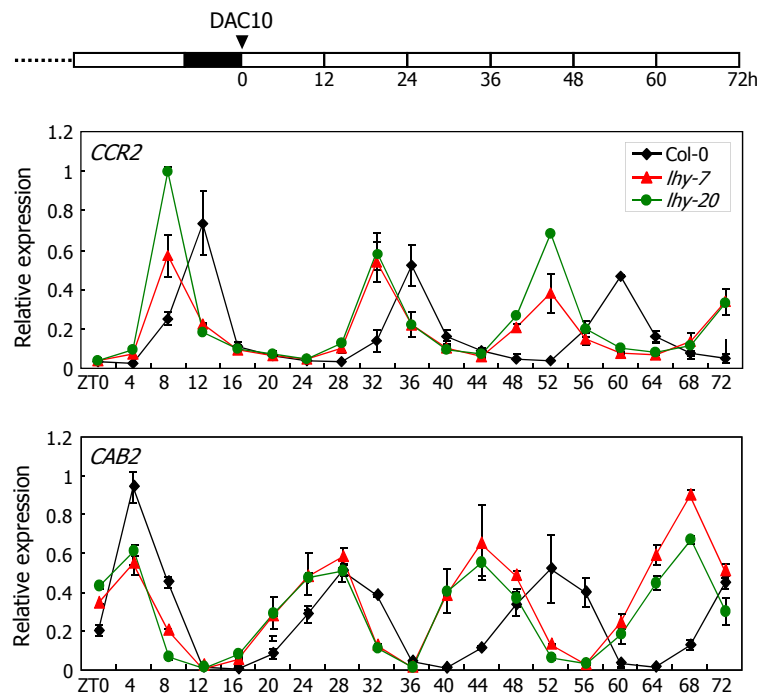


Additional file 1



Additional file 1. Circadian rhythms in *LHY*-defective mutants.

Ten-day-old plants grown on $\frac{1}{2}$ X Murashige and Skoog-agar plates (hereafter, referred to as MS-agar plates) under long days (LDs, 16-h light and 8-h dark) were transferred to continuous light conditions at dawn (upper diagram). DAC, days after cold imbibition. h, hour. Whole plants materials were harvested at the indicated zeitgeber time (ZT) points for total RNA extraction (lower panel). Rhythmic expression of *CHLOROPHYLL A/B-BINDING PROTEIN 2* (*CAB2*) and *CAROTENOID AND CHLOROPLAST REGULATION 2* (*CCR2*) genes, which exhibit circadian rhythmic expression patterns [41,42], was examined by quantitative real-time RT-PCR (qRT-PCR). Biological triplicates were averaged. Bars indicate standard error of the mean. Two *LHY*-defective mutants (*lhy-7* and *lhy-20*) were examined.