

Supporting information

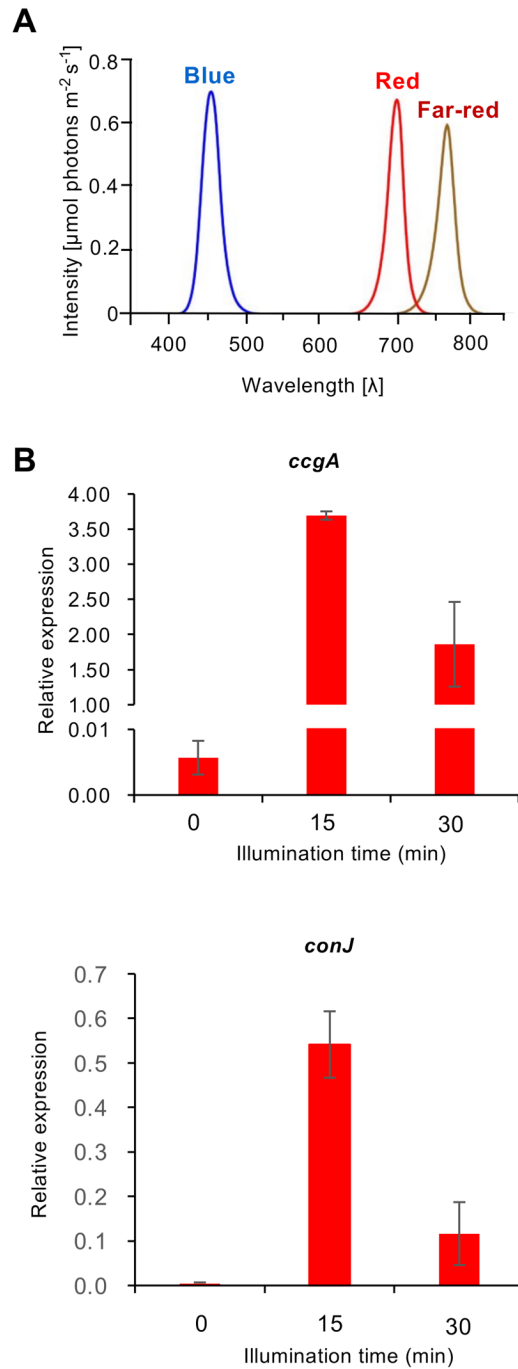


Fig. S1: Red-light dependent gene induction. (A) The quality of the LEDs was measured by JAZ-COMBO S/N:JAZA0503 with a QP400-1-VIS-NIR and CC-3-UV-S spectrometer unit by Ocean Optics. (B) Expression analysis of *ccgA* and *ccgB* at different time points by real-time PCR. Fresh conidia of the wild type strain (SJR2) were inoculated on the surface of supplemented liquid minimal medium (2 % glucose) and cultured for 18 hours at 37 °C in the dark. Afterwards, red light ($1.7 \mu\text{mol photons m}^{-2} \text{s}^{-1}$) was imposed for 15 min or 30 min before RNA isolation. The expression of *ccgA* and *ccgB* was normalized to the *h2b* gene. The error bar was calculated from three biological replicates.