

SUPPLEMENTAL FIGURE LEGENDS

Supplemental Figure S1. Photoinhibition of PSII in wild type and photorespiratory pathway mutants during incubation in light in air. Attached leaves of wild type and photorespiratory pathway mutants were exposed to light at $200 \mu\text{mol photons m}^{-2} \text{s}^{-1}$ in air. Maximal photochemical efficiency of PSII (F_v/F_m) was measured after dark adaptation for 15 min. Values are mean \pm S.D. (bars) of results from three independent experiments.

Supplemental Figure S2. Immunoblotting analysis of the D1 protein in wild type and photorespiratory pathway mutants. Leaf discs (78.5 mm^2) were floated on water and exposed to light at $200 \mu\text{mol photons m}^{-2} \text{s}^{-1}$ in air for 30 min. Thylakoid membranes were prepared from leaf discs and thylakoid proteins (corresponding to 7.85 mm^2) were separated by NuPAGE Novex 4-12% Bis-Tris gel electrophoresis.