

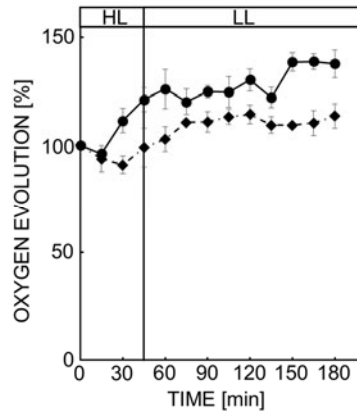


Fig. 3S. Photodamage and recovery assay: Cells were subjected to 45 min of high light (HL) [$2 \text{ mmol}(\text{photon}) \text{ m}^{-2} \text{ s}^{-1}$] followed by low light (LL) [$30 \text{ } \mu\text{mol}(\text{photon}) \text{ m}^{-2} \text{ s}^{-1}$]. Oxygen evolution was measured in the presence of DMBQ ($250 \text{ } \mu\text{M}$), $\text{K}_3\text{Fe}(\text{CN})_6$ (1 mM) and sodium bicarbonate (15 mM). Wild type (circles) and $\Delta\text{PsbM}:\Delta\text{PsbY}$ (diamonds). Data are the average derived from two biological replicates. Error bars are the standard error and error bars smaller than the symbols are not shown.