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**Supporting Material**

**Charge Separation, Stabilization, and Protein Relaxation in Photosystem II Core Particles with Closed Reaction Center**

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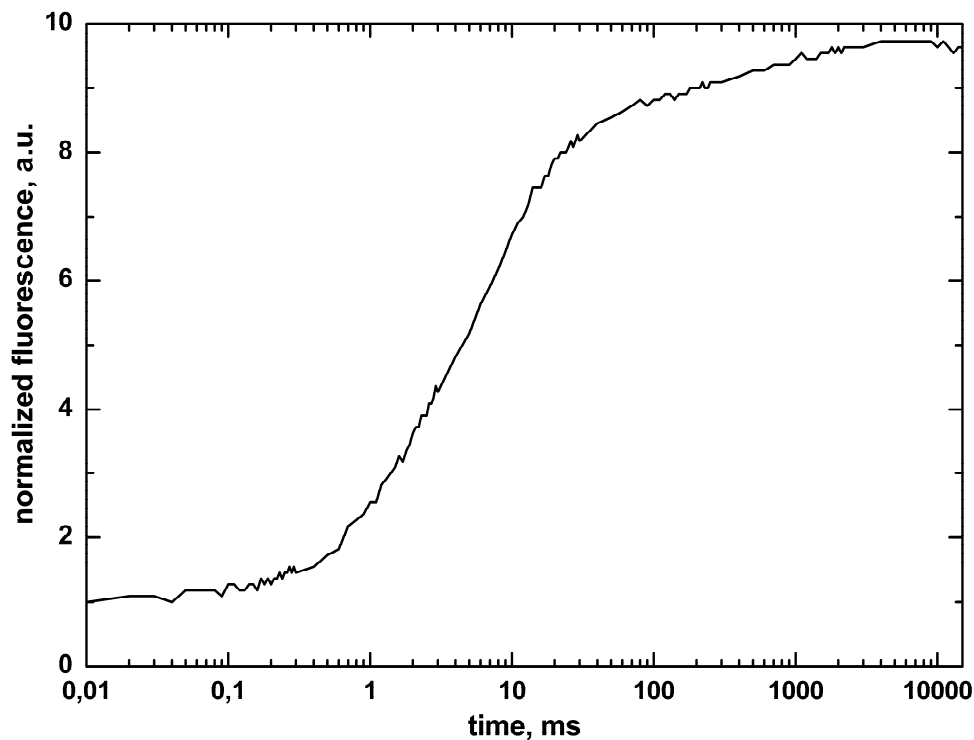
## Supplementary Materials

### Charge separation, stabilization, and protein relaxation in photosystem II core particles with closed reaction center

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**FIGURE S1:** Chlorophyll *a* fluorescence induction signal from PSII with RC in open state, normalized to the  $F_0$  level. The measurement was carried out with a Handy Pea instrument (Hansatech Instruments, UK). Sample was dark-adapted for 2 min before the measurement and then illuminated with continuous light (650 nm peak wavelength, 1250  $\mu\text{E}/\text{m}^2\text{s}$ ) provided by the focused array of ultra-bright red LED's. The fluorescence data was recorded for 15 seconds.