Fig. S1 Exponential decay of initially formed $Q_A^-Q_B$ over time by the example of ML acclimated *C. debilis* cells grown under Fe-enriched (A) or control (B) conditions. The decay constants with values of 1.73 (A) and 2.42 ms^{-1} (B) were derived from the time-dependent solutions of the fraction of photosystem II being in state $Q_A^-Q_B$ using the model of Kroon and Thoms (2006) and the model parameters shown in Table S2. Hence, we obtained τ_{Qa} values of 578 and 413 µs for the decay constants of 1.73 (A) and 2.42 ms^{-1} (B), respectively. The τ_{Qa} values are also shown in Fig. 4B.