

Figure S2. Fast Repetition Rate Fluorometry (FRRF) of WT and *nifJ* cells averaged over 12 h increments. 0-12h \square ; 12-24h \circ ; 24-36h Δ ; 36-48h ∇ . The F_v/F_m of both cultures remains steady for 24 h of the FRRF experiment. The WT cultures continue to remain steady ($F_v/F_m = 0.389 \pm 0.002$ to 0.384 ± 0.001) over 48 hours, while the F_v/F_m decreases from 0.409 ± 0.002 over the first 12 h to 0.389 ± 0.002 for the 36-48 h increment.

