

Figure S1 Oxidation of NH_4Cl and NH_2OH by *N.viennensis* cells after 1h incubation with 200 μM PTIO

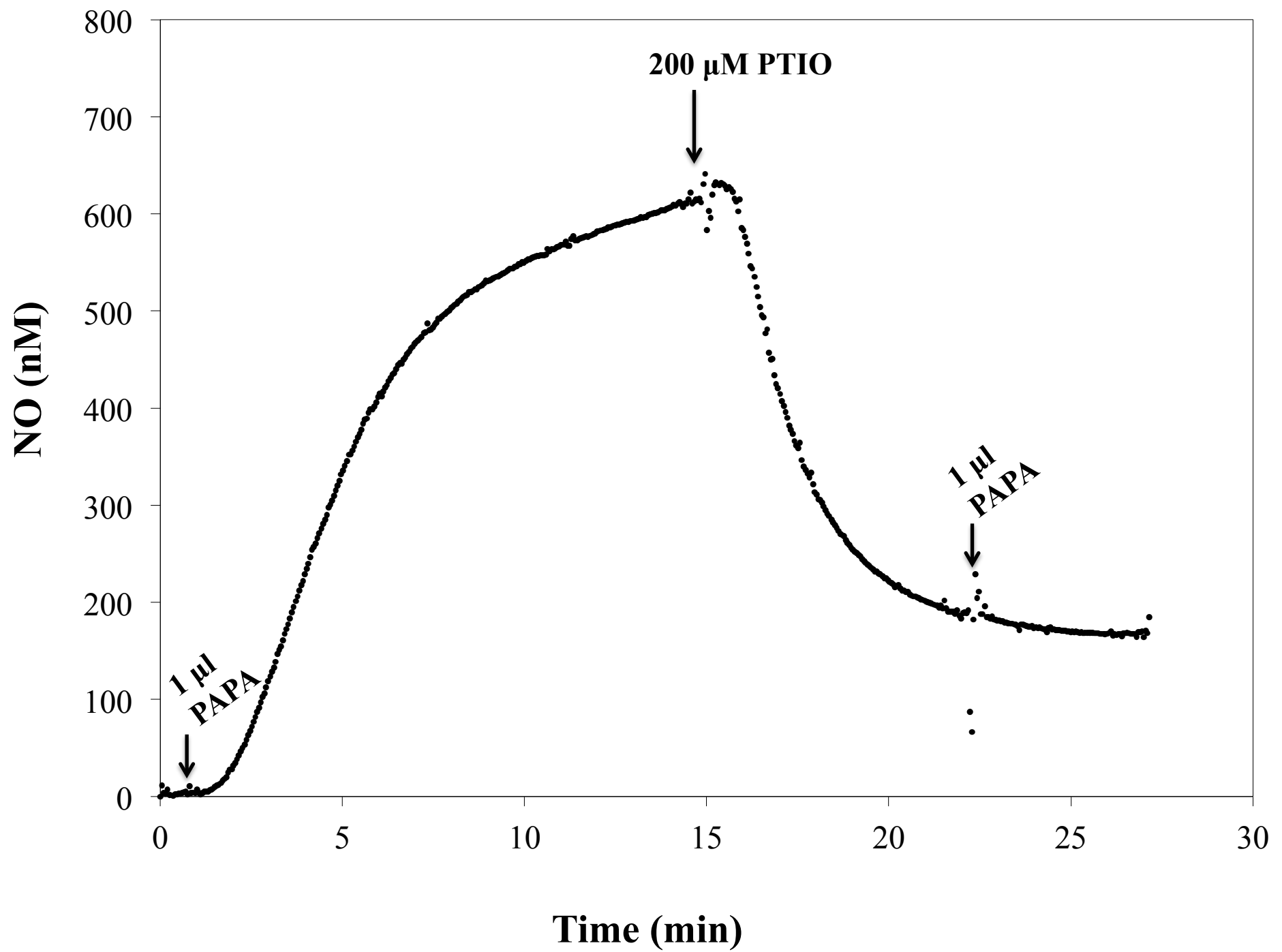


Figure S2 Abiotic control confirming quenching of NO donated by PAPA-NONOate by the NO chealator PTIO

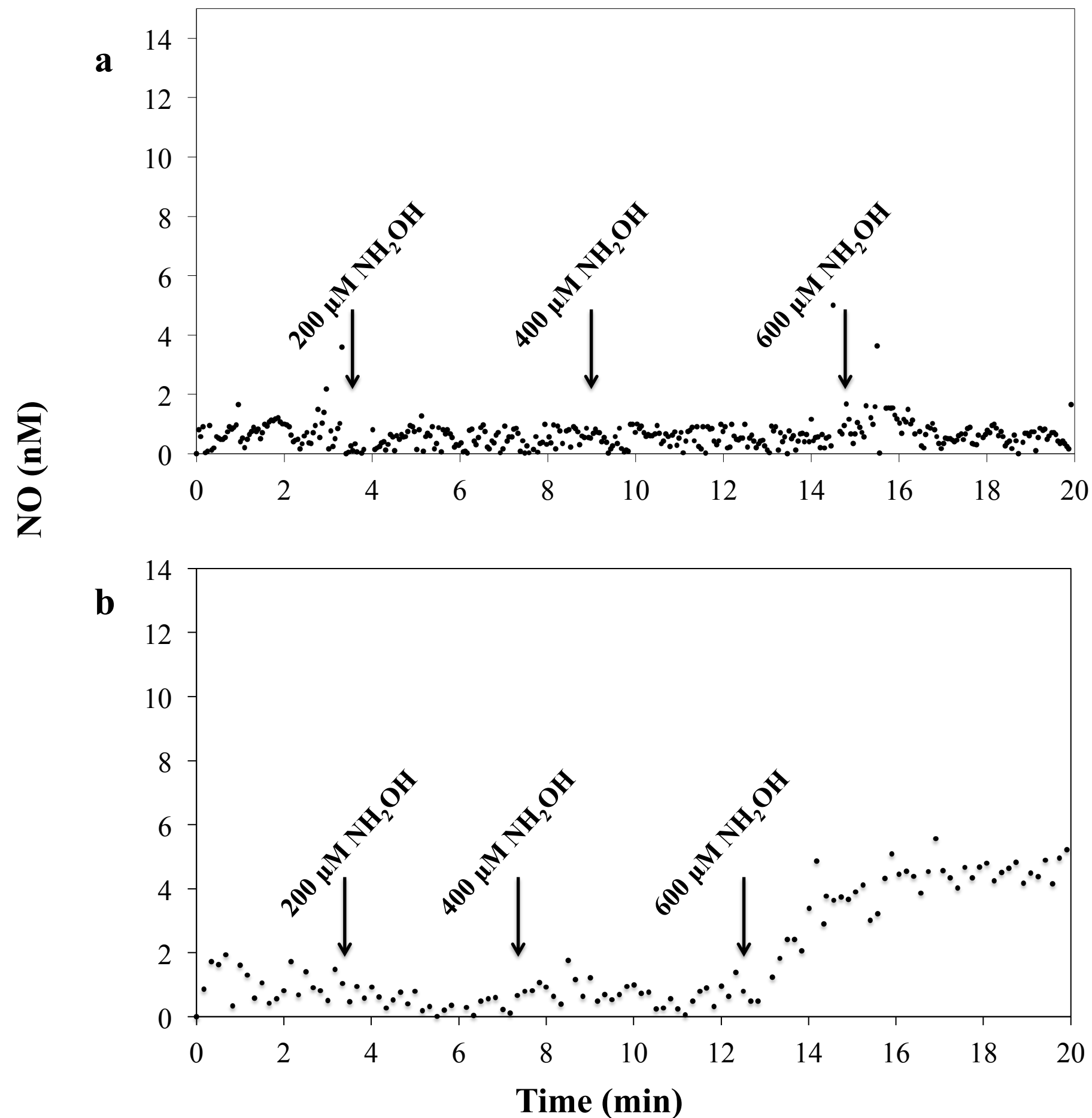


Figure S3 Measurement of NO during addition of NH_2OH to FWM (**a**) or FWM amended with $200 \mu\text{M}$ NO_2^- (**b**). FWM was sparged with N_2 (0-3% O_2 saturation; determined by O_2 electrode) previous to NH_2OH addition.

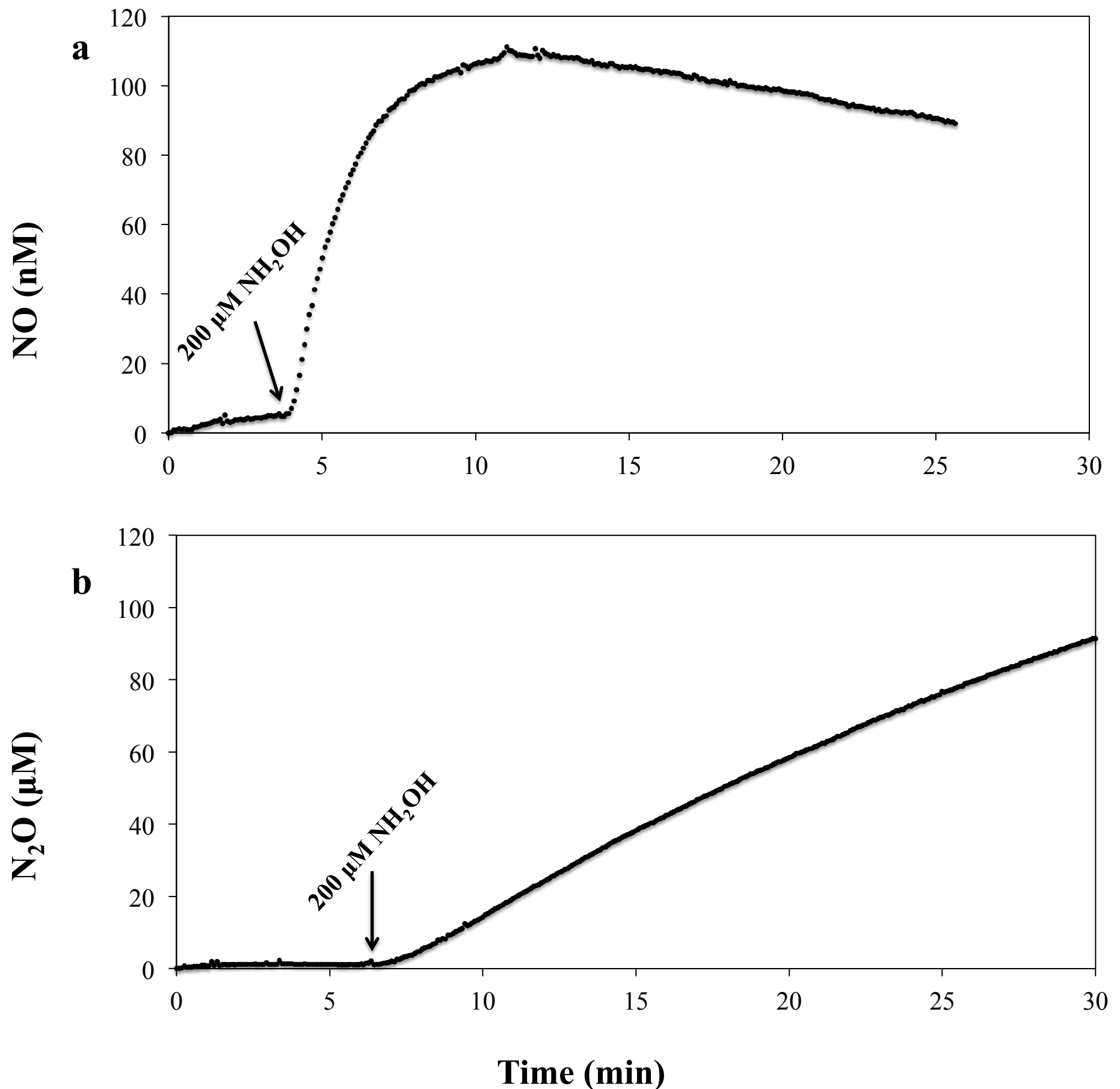


Figure S4 Measurement of NO (**a**) and N_2O (**b**) from FWM + killed cells (1×10^{11} total cells) amended with $200 \mu\text{M}$ NO_2^- upon addition of $200 \mu\text{M}$ NH_2OH . FWM was sparged with N_2 (0-3% O_2 saturation; determined by O_2 electrode) previous to NH_2OH addition.