

SUPPORTING INFORMATION

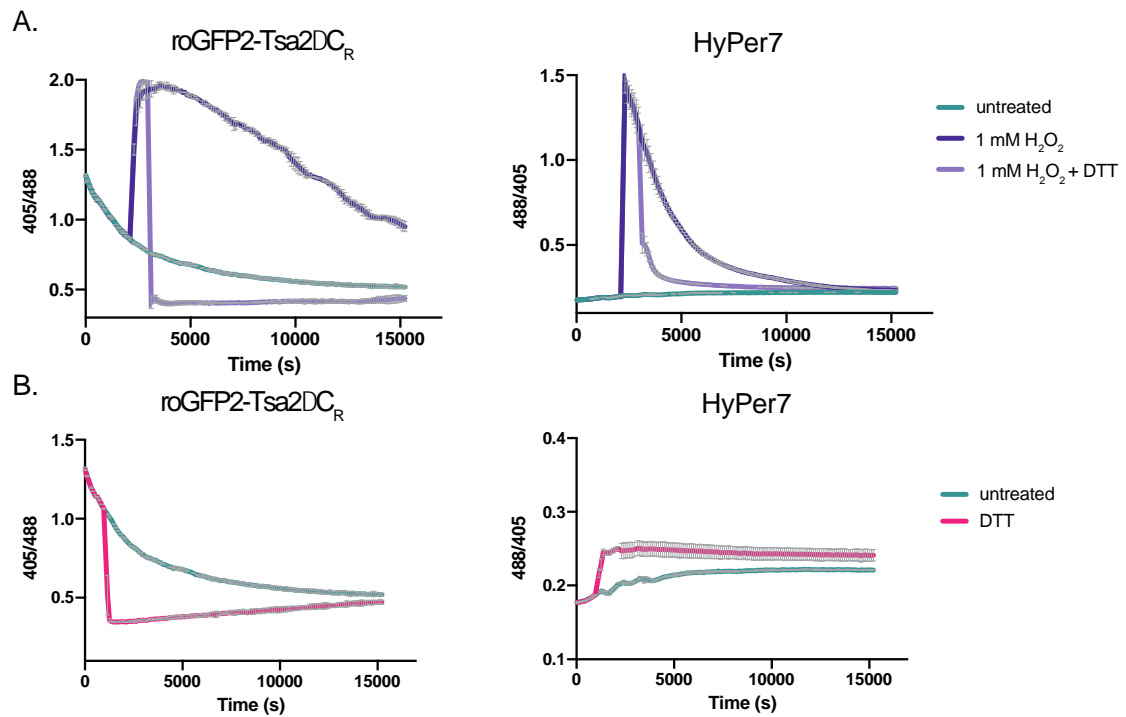
A comparison of Prx- and OxyR-based H₂O₂ probes expressed in *S. cerevisiae*

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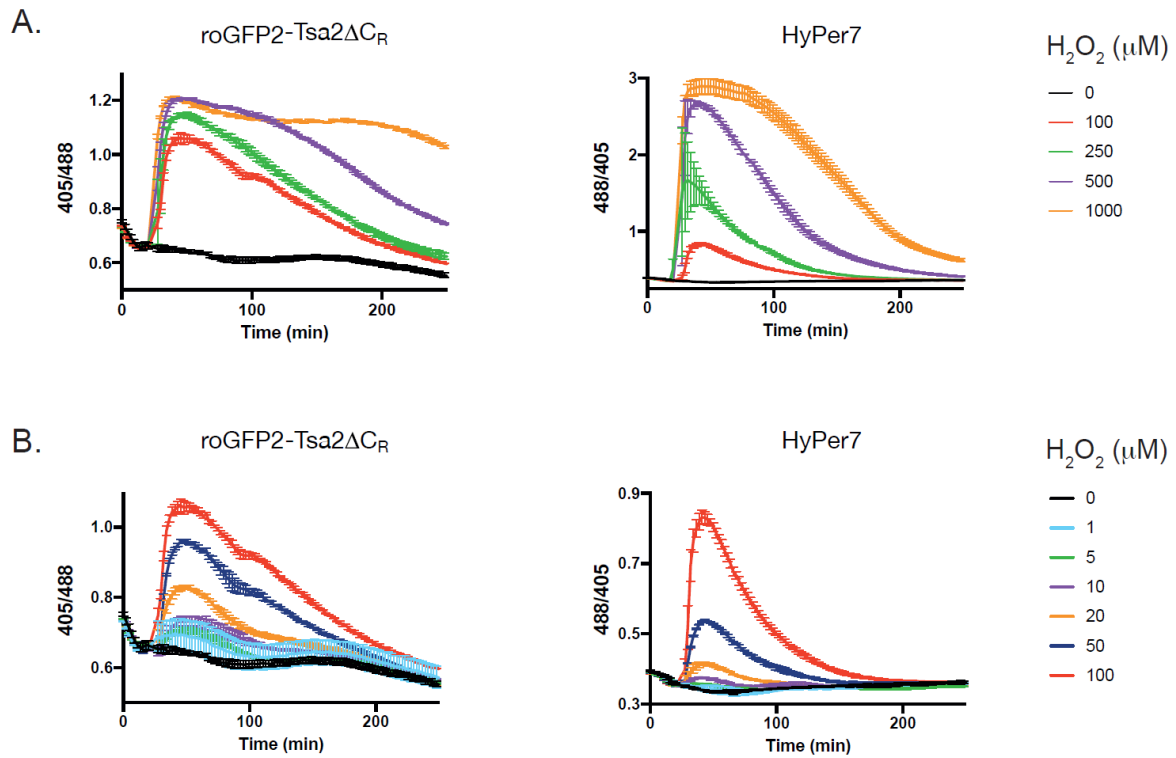


Supplemental Figure 1: Probe responses to DTT

A. BY4742 cells expressing either roGFP2-Tsa2ΔC_R (left panel) or HyPer7 (right panel) were treated with H₂O₂ (1 mM) and exposed to DTT (25 mM) 10 mins later.

B. BY4742 cells expressing either roGFP2-Tsa2ΔC_R (left panel) or HyPer7 (right panel) were exposed to DTT (25 mM) without prior H₂O₂ treatment.

Data in this figure are representative of n=2 independent experiments with n=4 independent replicates each.



Supplemental Figure 2: Main Figure 2 with error bars

A. Response of BY4742 cells expressing either roGFP2-Tsa2 Δ C_R (left panel) or HyPer7 (right panel) to exogenously applied H₂O₂ boli in the 100-1000 μ M concentration range.

B. Response of BY4742 cells expressing roGFP2-Tsa2 Δ C_R (left panel) or HyPer7 (right panel) to exogenously applied H₂O₂ boli in the 1-100 μ M concentration range.

Error bars indicate the SD of 3 independent technical replicates. This figure is an extended version of main Figure 2, to exemplify variation within experiments.