



Figure S1 Memory decay is dependent on cell division but not protein synthesis. Cells were exposed to 0.7 M NaCl for 60 min and returned to stress-free YPD medium for growth, and H₂O₂ tolerance was measured throughout the experiment as described in Materials and Methods. (A) Thiolutin was added to the medium immediately after (red squares) or 120 min after (red circles) removal from NaCl treatment, and the relative resistance to H₂O₂ was scored over 480 min. Blue line: H₂O₂ resistance in cells with no thiolutin added, grey line: percentage of original stressed cells in the population. (B) A similar experiment was conducted, except that 10 μM alpha factor was added 120 min after cells were returned to YPD growth. Relative resistance to H₂O₂ is shown as: red line closed circle (with alpha factor), or blue line closed square (without alpha factor). The percentage of original stressed cells in the culture (inferred based on optical density) is shown as: grey line open circle (with alpha factor), or grey line open triangle (without alpha factor). Black arrow represents time of addition of thiolutin or alpha factor.