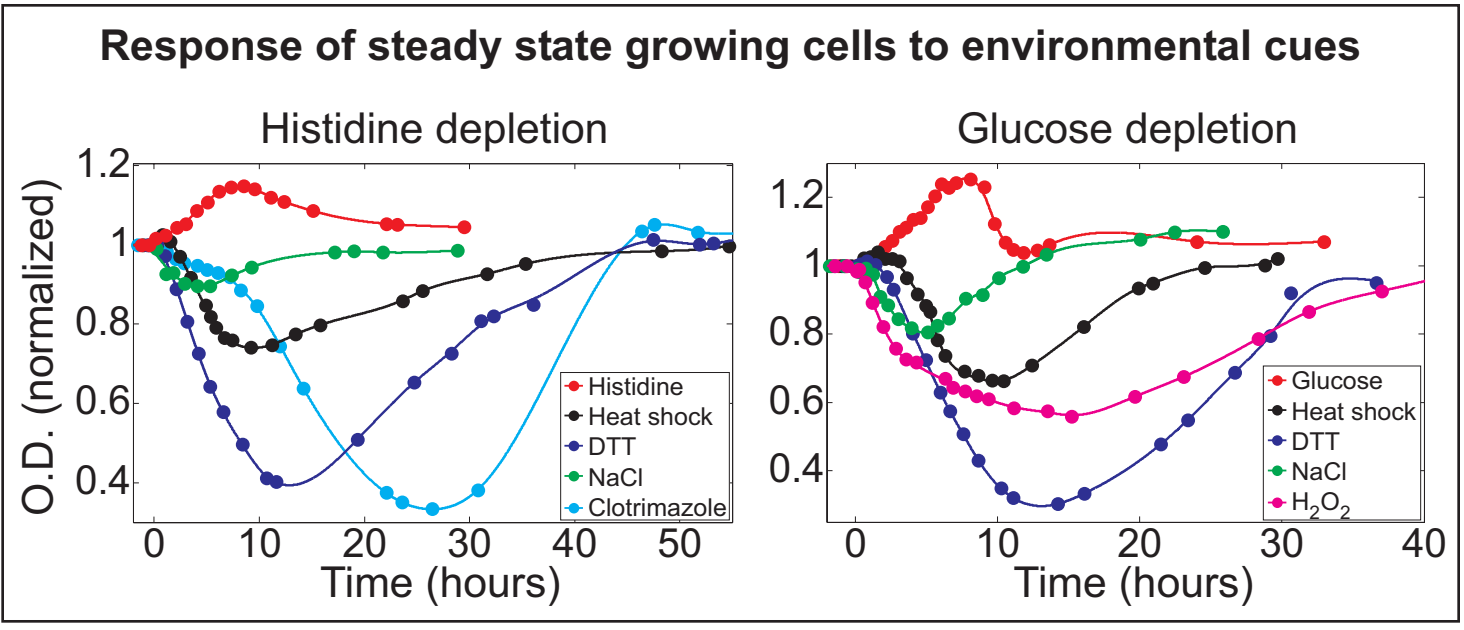

Figure S2. Response of cells grown in steady state to environmental perturbations. The markers designate O.D. sampling time, and solid lines are spline interpolations of the data. The Y-axis is normalized such that the steady state O.D. (at t<0) is 1. Cells were examined in two chemostat environments. Cells in a histidine-limited chemostat were subjected to the following 5 environmental cues: Clotrimazole (10μM - cyan curve), DTT (6mM - blue curve), NaCl (0.31M - green curve), heat shock (37ºC for 5 hours - black curve), and a stress-relieving pulse of histidine (2 mg/l - red curve). Cells in a glucose-limited chemostat were subjected to the following 5 environmental cues: H_2O_2 (0.6mM - magenta curve), DTT (6mM - blue curve), NaCl (0.4M - green curve), heat shock (39ºC for 5 hours - black curve), and a stress-relieving pulse of glucose (0.2 g/l - red curve).