



Figure S7. Predicted steady-state effects of perturbing translational efficiency. Rates of response regulator and sensor histidine kinase translation (k_{RRtsn} , k_{SHKtsn}) were changed by an efficiency multiplier using the reference parameter set at $k_{ph} = 0.1$ (negative gain) and $k_{ph} = 0.001$ (positive gain). A positively regulated downstream protein readout was taken one hour after signal.