Supplemental Figure S2. Rate constants for the empirically-fit model cannot represent ERα behavior in the absence of E2 treatment. In contrast to the expected maintenance of system initial conditions in the absence of E2 (solid lines), the rate constants from the empirically-fit model result in a decrease in RNA levels and an increase in tERα levels over time (dashed lines). Therefore, the empirically-fit model was not self-consistent and required a different set of rate coefficients to analyze the system in the presence or absence of E2.