



**Figure S1: The 5' UTR of *rhII* does not respond to exogenous C4-HSL as a riboswitch.** Overnight cultures of *E. coli* P<sub>BAD</sub>-*rhIS-rhII::lacZ* (MPK0601) were diluted into 100 mL fresh LB+50 mM MOPS in 500-mL baffled flasks and grown at 37°C with shaking. At an OD<sub>600</sub> ~0.4 the cultures were split and either only 10 μM C4-HSL, only 0.2% arabinose, both or neither were added to each flask. At the indicated times, samples were collected and β-galactosidase levels were determined.