



**Fig. S1. *btaI1* activation requires BtaR1 and C<sub>8</sub>-HSL.** The luciferase activity of the chromosomal *btaI1-lux* transcriptional fusion was monitored during the exponential phase in cultures of the *B. thailandensis* E264 wild-type and the  $\Delta btaR1$ ,  $\Delta btaI1$ , and  $\Delta btaI1\Delta btaI2\Delta btaI3$  mutant strains. Cultures were supplemented with 10  $\mu$ M C<sub>8</sub>-HSL. Acetonitrile only was added in controls. The values represent the mean of three replicates. The luminescence is expressed in relative light units per culture optical density (RLU/OD<sub>600</sub>).