



**Fig. S4. 3OHC<sub>8</sub>-HSL activation of *btaI3* is dependent on C<sub>8</sub>-HSL and 3OHC<sub>10</sub>-HSL.** The luciferase activity of the chromosomal *btaI3-lux* transcriptional fusion was measured during the stationary phase in cultures of the *B. thailandensis* E264 wild-type and the  $\Delta btaI1\Delta btaI2\Delta btaI3$  mutant strains. Cultures were supplemented with 10  $\mu$ M C<sub>8</sub>-HSL, 3OHC<sub>10</sub>-HSL, and 3OHC<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>).