



Figure S3. HilC and RtsA amplify SPI1 gene expression in an additive manner.

(A) Normalized P_{hilD} and P_{hilA} promoter activity in wild type (solid) and Δ *hilC* Δ *rtsA* (dashed) mutant. The data from Figure 3A were normalized with respect to their maximal value. (B) Comparison of time-course dynamics of P_{hilA} (pSS077) promoter activities in wild type and Δ *rtsA* (JS248), Δ *hilC* (JS252), Δ *hilC* Δ *rtsA* (CR350), and Δ *hilD* (CR253) mutants as determined using luciferase transcriptional reporters. (C) Comparison of P_{hilA} (pSS055) promoter activities in wild type (black) and Δ *hilC* (JS252, red) and Δ *rtsA* (JS248, grey) mutants as determined using green fluorescent protein

(GFP) transcriptional fusions and flow cytometry. (D) Comparison of time-course dynamics of P_{hilD} (pSS074) promoter activities in wild type and $\Delta rtsA$ (JS248), $\Delta hilC$ (JS252), $\Delta hilC \Delta rtsA$ (CR350), and $\Delta hilD$ (CR253) mutants as determined using luciferase transcriptional reporters. (E) Comparison of P_{hilD} (pSS072) promoter activities in wild type (black) and $\Delta hilC$ (JS252, red) and $\Delta rtsA$ (JS248, grey) mutants as determined using green fluorescent protein (GFP) transcriptional fusions and flow cytometry. Experiments were performed as described in Figure 1.