



**Figure S1. SPI1 gene expression dynamics in wild type.**

(A) Normalized activities of the  $P_{hilD}$ ,  $P_{hilC}$ ,  $P_{rtsA}$ , and  $P_{hilA}$  promoters in wild-type cells. The data from Figure 1B were normalized with respect to their maximal value. (B-D) Dynamics of  $P_{hilD}$  (pSS072, B),  $P_{hilC}$  (pSS073, C), and  $P_{rtsA}$  (pSS054, D) promoter activities in wild-type cells as determined using green fluorescent protein (GFP) transcriptional fusions and flow cytometry. (E) Dynamics of the constitutively active  $P_{LtetO-1}$  (pSS098) promoter in wild type cells as determined using GFP and flow cytometry. Note that the dynamics of this promoter are continuous and not switch like. Experiments were performed as described in Figure 1.