



Figure S4. Quantification and controls for fluorescence microscopy studies in Fig 4. (A) Frequency of RFP (mCherryOpt)-positive and -negative bacteria for strains evaluated in Figure 4D. Number of bacteria counted per group transformed with $P_{flgM}::mCherryOpt$. *flg* ON (n=3321 bacteria; 7 biological replicates), *flg* OFF (n=3720 bacteria; 6 biological replicates), and *sigD* (n=1348, 3 biological replicates). (B) Frequency of RFP (mCherryOpt)-positive and -negative bacteria of strains in panel C. Number of bacteria counted per group transformed with $P_{Tet}::mCherryOpt$. *flg* ON (n=662 bacteria; 3 biological replicates) and *flg* OFF (n=401 bacteria; 3 biological replicates). Number of bacteria counted per group transformed with promoterless $::mCherryOpt$. *flg* ON (n=964 bacteria; 3 biological replicates), *flg* OFF (n=772 bacteria; 3 biological replicates), and *sigD* (n=670, 3 biological replicates). (C) Representative fluorescence micrographs for the indicated strains containing fusions of mCherryOpt to the P_{tet} promoter (+ ATc, positive control) or promoterless mCherryOpt (negative controls). White bar = 10 microns. The channels used are indicated at the top.