



12

13 **Figure S3.** Fluorescence images of cells expressing various FliL mutant proteins labeled
 14 with GFP and results of bacterial two-hybrid assay. (A) Mapping of the mutations sites
 15 on the structure of FliL_C. The mutation sites are indicated as yellow stick models. The
 16 orientation of the view is as in Fig. 2F. (B) Fluorescence images of cells expressing the
 17 mutant FliL proteins N-terminally labeled with GFP. (C) Bacterial two-hybrid assay.
 18 *E. coli* DHM1 cells expressing T18 and T25 alone or C-terminally fusions with FliL were
 19 spotted onto BacTH plate and incubated at 30 °C for about 24 h.