



Supplementary information, Figure S1 RNA was isolated when PA14 WT and total CRISPR-Cas cluster deletion mutant, single element deletion mutants and complementary strains grew at an OD_{600nm} of 1.0 in LB medium, and transcripts of indicated *cas* and *crispr* genes were quantified by qPCR. Data are representative of three independent experiments expressed as means \pm SEM (one-way ANOVA with Tukey's post hoc; * $p \leq 0.05$; ** $p \leq 0.005$; *** $p \leq 0.001$).