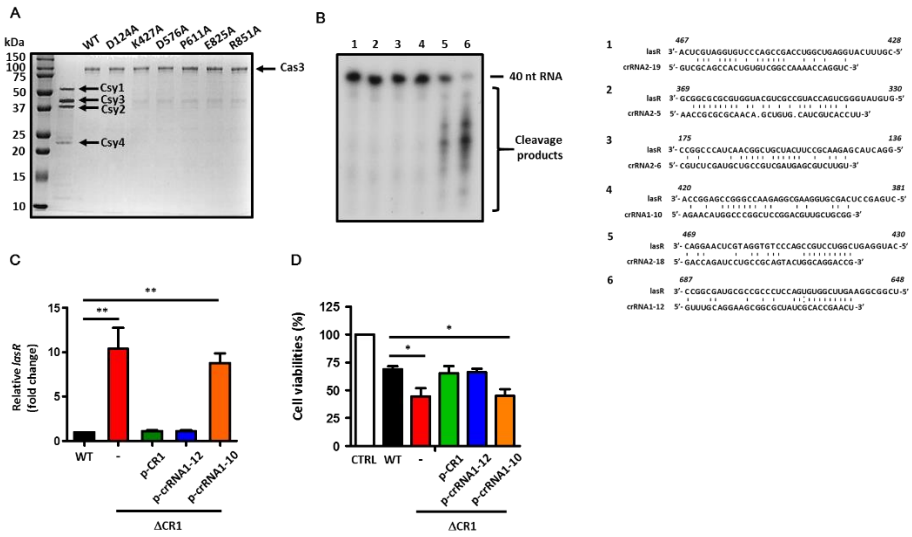

Supplementary information, Figure S3 (**A**) Coomassie-blue stained SDS-polyacrylamide gel of the affinity purified Csy complexes, WT Cas3 and its mutants. N-terminal His-tags on Csy3 were used as bait to pull down the other untagged Csy proteins. (**B**) Six *lasR* mRNA substrates that have high identity with PA14 CRISPR spacers were selected. *In vitro* cleavage assay of potential *lasR* targets. (**C**) RNA was isolated when PA14 WT, ΔCR1 and its total or specific matured crRNA complemented mutant grew at an OD_{600nm} of 2.0 in M9 medium. Transcripts of *lasR* in PA14 WT and mutants were quantified by qPCR. (**D**) MH-S cells were infected with PA14 WT, ΔCR1 and its total or specific crRNA complemented mutant at an MOI of 20:1 for 2 h. Cell viabilities were determined by an MTT assay at a wavelength of 570 nm. Data are representative of three independent experiments expressed as means ± SEM (one-way ANOVA with Tukey's post hoc; $*p \leq 0.05$; $**p \leq 0.005$).