**Supplementary figure 1**

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**Enzymatic activity of recombinant protein and culture supernatants.**

The enzymatic activity of rSlaA, C134A, and the culture supernatant of SSI-1 and Δ*slaA* was measured by phospholipase A2 assay kit. Data were analyzed using one-way ANOVA with Dunnett’s multiple comparison test. Significant differences from the PBS and THY medium group are shown: \**P* < 0.01.