Fig. S1

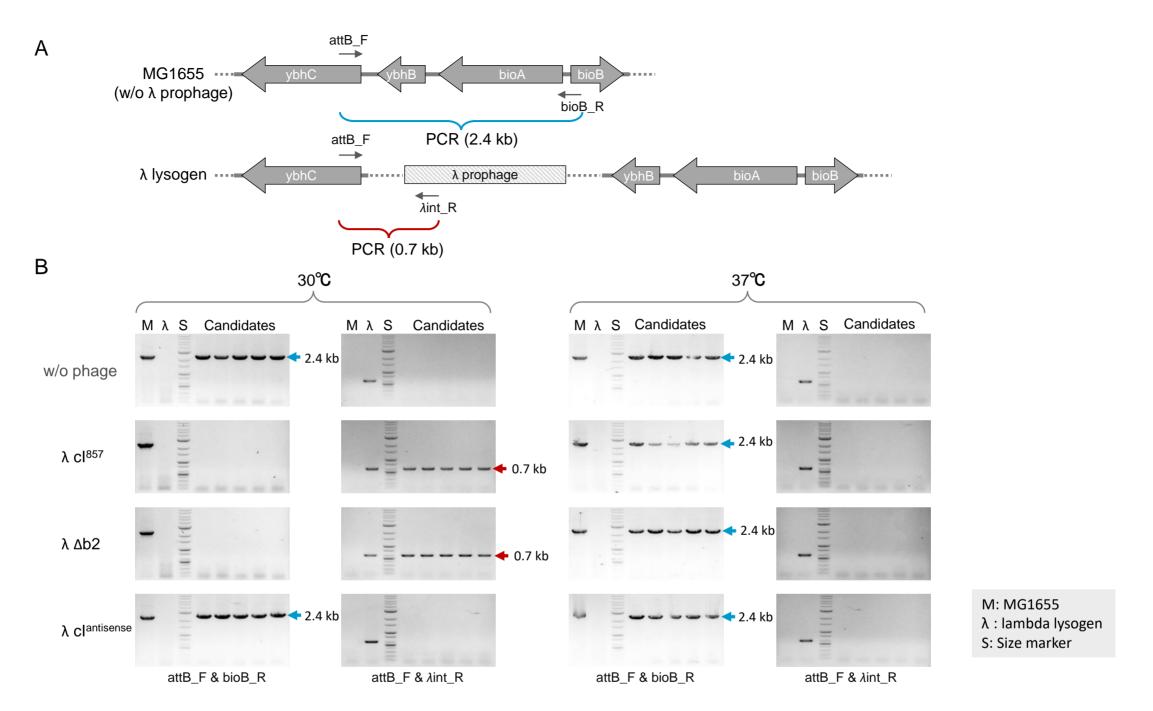


Fig. S1. Confirmation of λ lysogen formation using PCR.

- (A) Locations of PCR primers on the genome that distinguish between *Escherichia coli* MG1655 and λ lysogenic MG1655 cells. The gray arrows represent the PCR primers, and the sizes of the PCR products formed by each primer are indicated.
- (B) Confirmation of λ lysogen formation using PCR in colonies obtained by spreading cultures of *E. coli* MG1655, which were infected with various λ phages and regrown at both 30°C and 37°C. Blue arrows indicate the absence of λ prophage in the *E. coli* genome, while red arrows signify the presence of λ prophage in the genome. Five colonies were selected in each case, and PCR reactions using two primer pairs ($attB_F + bioB_R$ and $attB_F + \lambda int_R$) were performed for each colony.