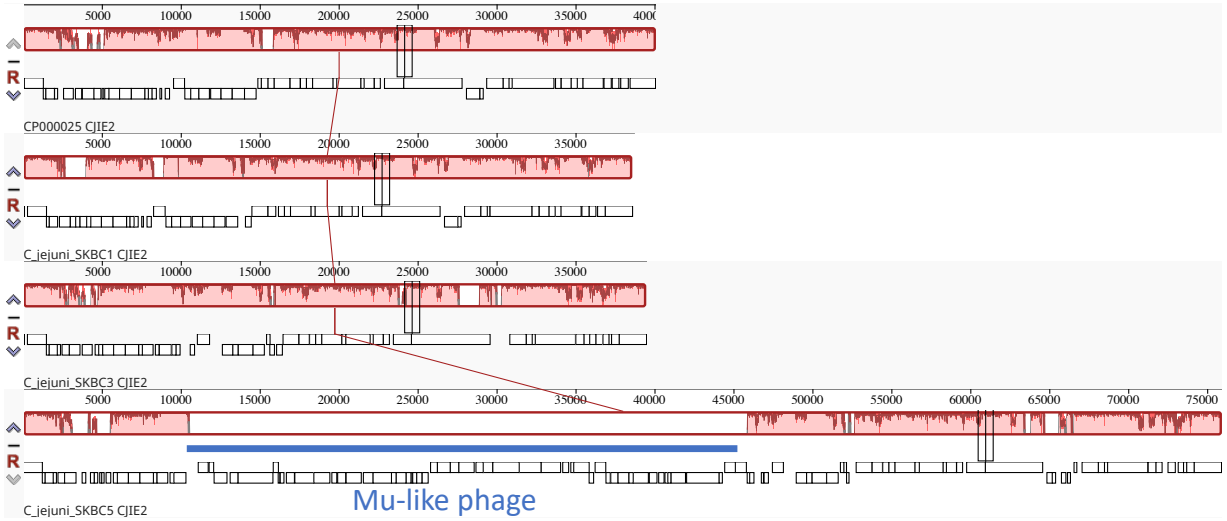
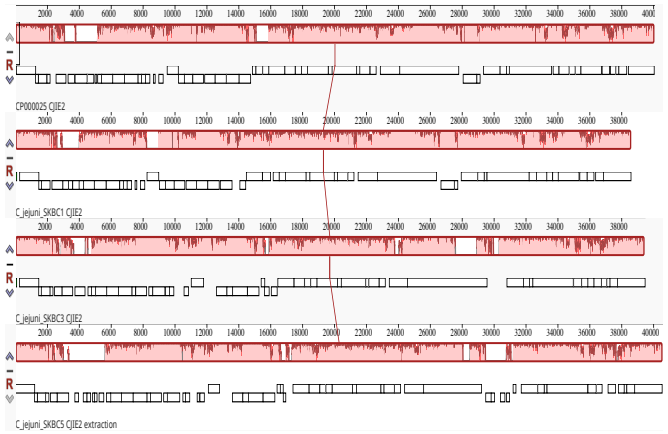
A



B



Supplementary Figure 2. Genome alignment of CJIE2. Genome alignment of CJIE2-like genomes from *C. jejuni* strain RM1221 and the *C. jejuni* isolates from bears using Mauve revealed one collinear block conserved among bacteriophage genomes disrupted by insertions and deletions (A). The order of CJIE2-like genomes is RM1221, SKBC1, SKBC3, and SKBC5. CJIE2 in SKBC5 possesses a Mu-like bacteriophage is underlined with a blue bar. This Mu-like bacteriophage element disrupts the collinearity of the CJIE2-like genomes. In (B), genome alignment of CJIE2-like genomes from *C. jejuni* strain RM1221 and the *C. jejuni* isolates from bears using Mauve, in which the Mu-like bacteriophage has been removed from the CJIE2-like bacteriophage of SKBC5.