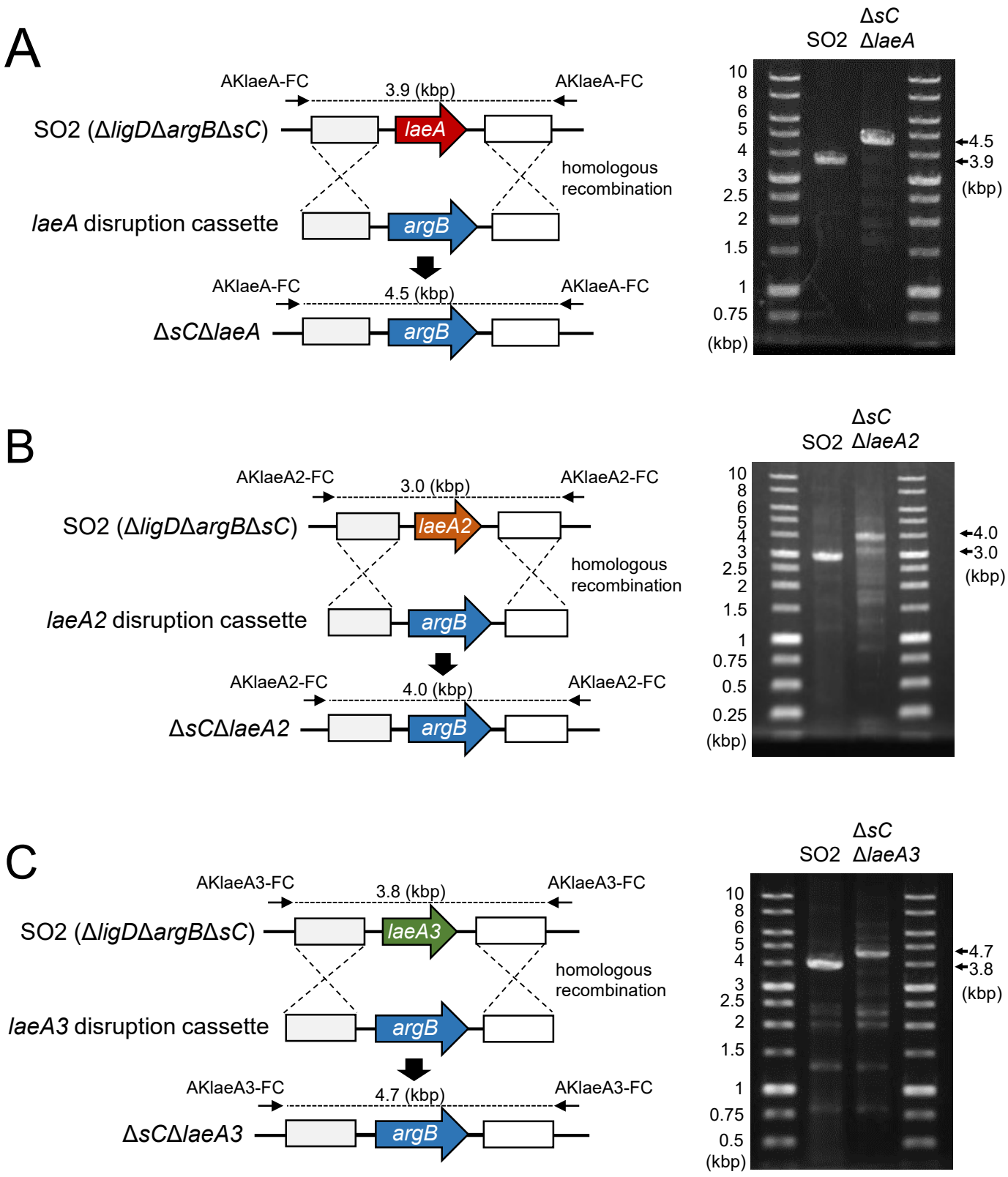
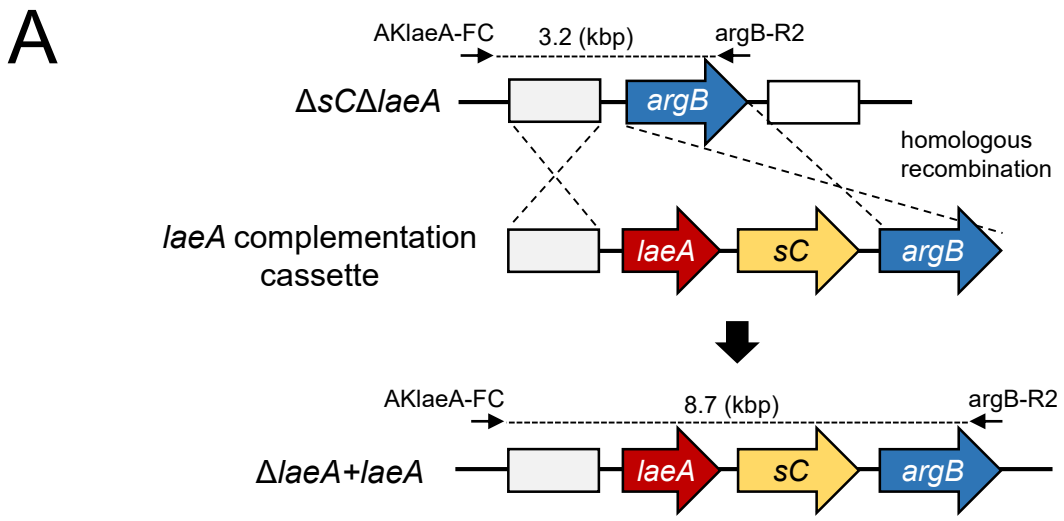


Fig. S1. Construction of *A. kawachii* LaeA-like methyltransferase encoding genes. Schematic representation of the disruption of *laeA* (A), *laeA2* (B), and *laeA3* (C) by the insertion of *argB*. Agarose gel electrophoresis of PCR amplicons to confirm the disurpition of *laeA*, *laeA2*, and *laeA3* was shown in the panels on the right.



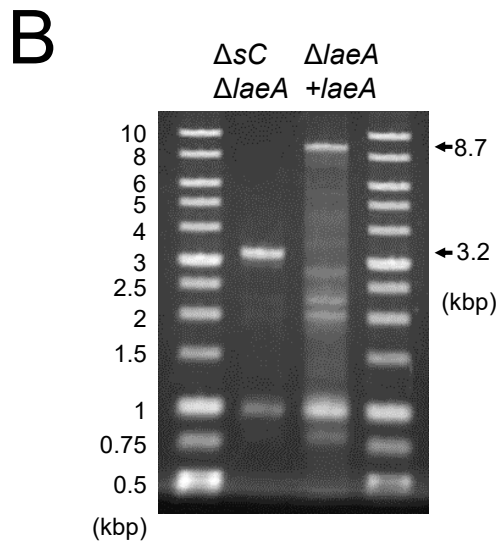
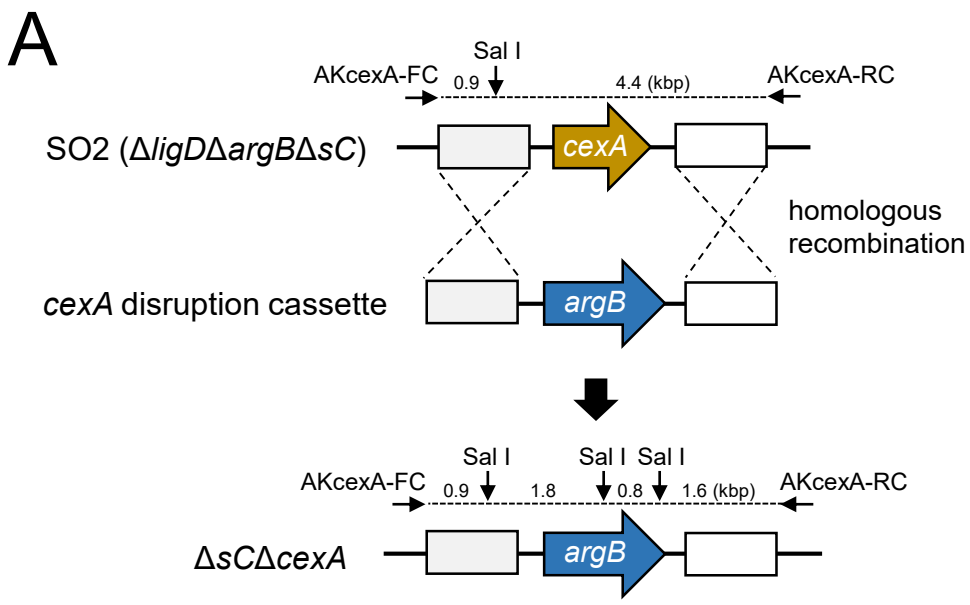


Fig. S2 Construction of *A. kawachii* Δ*laeA*+*laeA* strain. Schematic representation of the complementation of *laeA* (A). Agarose gel electrophoresis of PCR amplicons to confirm the complementation of *laeA* (B).



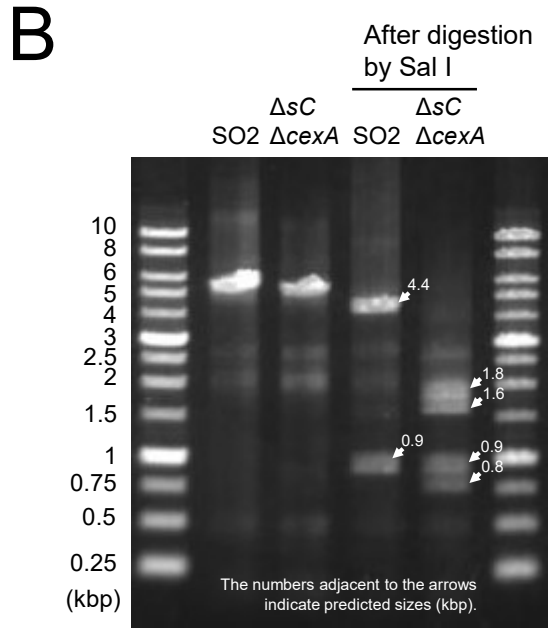


Fig. S3. Construction of *A. kawachii* putative citrate exporter encoding gene. Schematic representation of the disruption of *cexA* by the insertion of *argB* (A). Agarose gel electrophoresis of PCR amplicons to confirm the disruption of *cexA* (B).