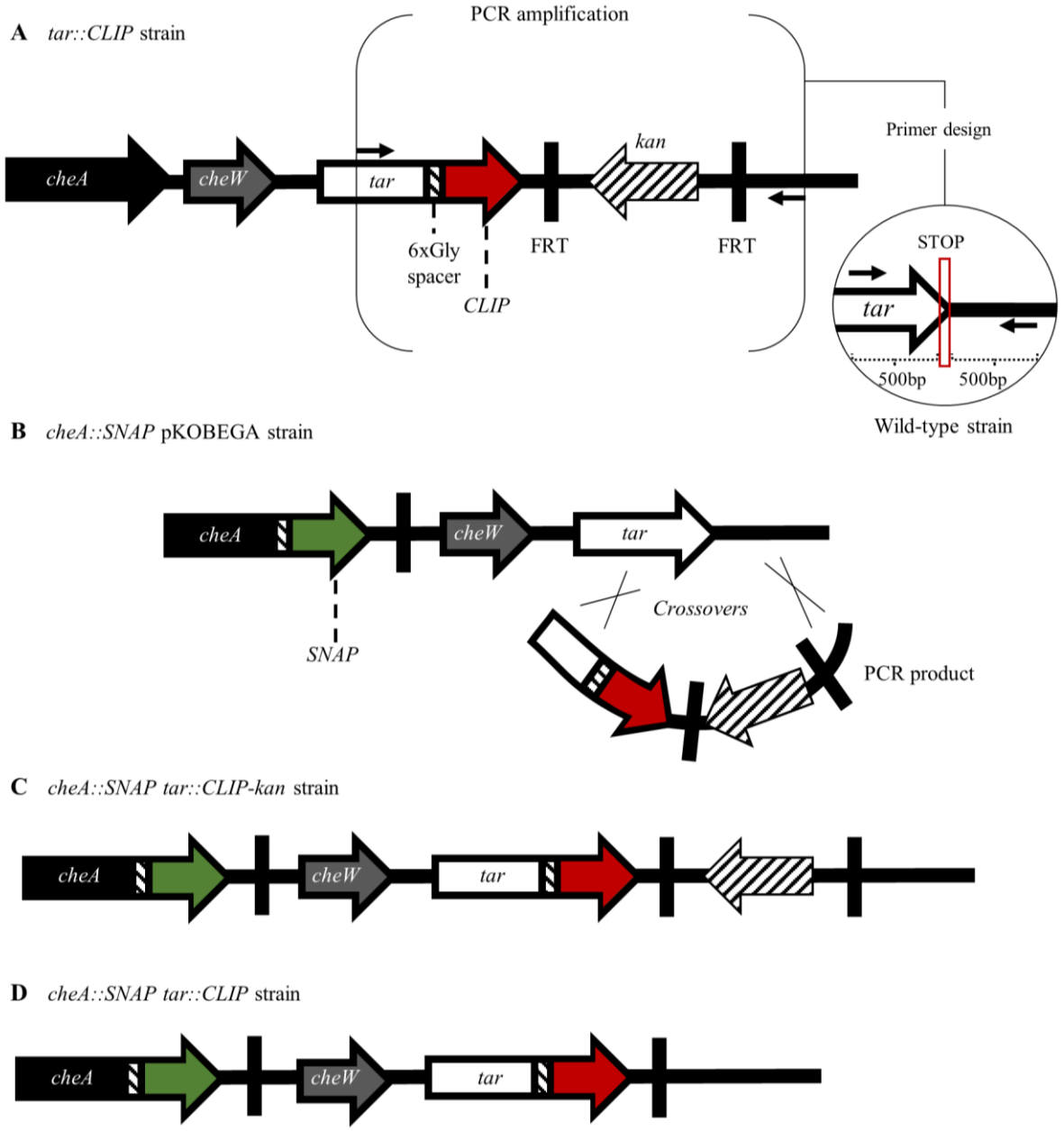
Supplementary Material



Supplementary Figure 1. Schematic representation of the *S. enterica cheA::SNAP tar::CLIP* strain construct obtained using the λ Red recombinase-based gene replacement method. **(A)** *S. enterica tar::CLIP* was constructed by introducing the tag between the last nucleotide and the STOP triplet of the *tar* gene. To construct the double-tagged strain, a PCR with primers amplifying 500 bp upstream and downstream of the *tar* STOP codon was performed. **(B)** The PCR product was electroporated into the *S. enterica cheA::SNAP* pKOBEGA strain and double recombination allowed the tagging of *tar* with CLIP, generating the strain **(C)** *S. enterica cheA::SNAP tar::CLIP-kan*. **(D)** Kanamycin resistance was removed using pCP20, yielding the *cheA::SNAP tar::CLIP* strain.