A versatile genetic toolbox for *Prevotella copri* enables studying polysaccharide utilization systems

Appendix

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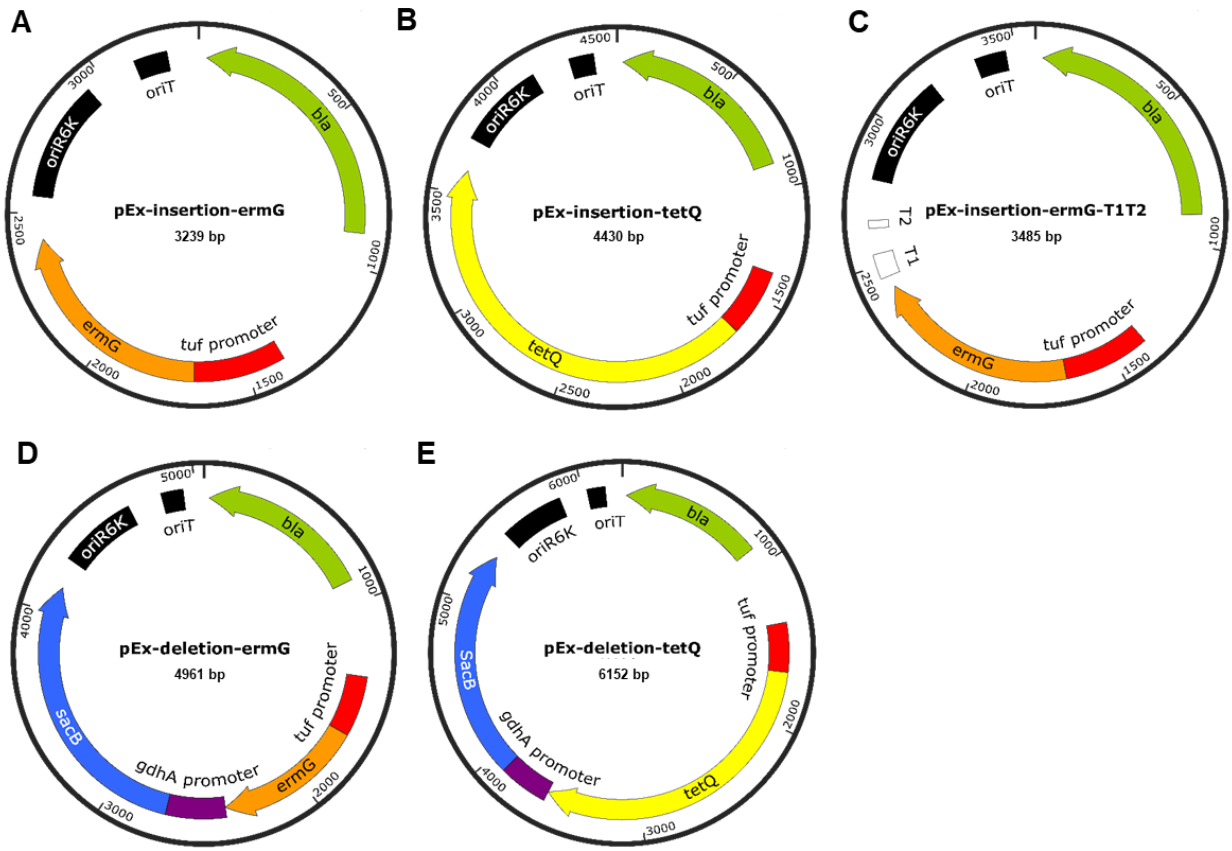

Appendix Figure S1. Graphic maps for vectors used in this study.

(A-E) Vector types used in this study. The vectors in (A-C) were used for gene insertion and the other two in (D-E) for gene deletion and complementation. The backbone of these vectors contains the machinery for *pir*-dependent replication and conjugation (RP4 oriT/oriR6K, black), the *bla* gene (light green) for selection of *E. coli* in cloning, and the selectable marker *ermG* (orange arrow in A, C and D), *tetQ* (yellow arrow in B and E) all driven by *tuf* promoter (red) derived from *P. copri*. In (C), the T1-T2 terminator was inserted following the coding sequence of *ermG* to block the potential effects of readthrough transcription on the downstream gene of *ermG* after plasmid integration into the chromosome. In (D and E), the *sacB* gene driven by the promoter of the *gdhA* gene was inserted in the downstream of *ermG* for counterselection. The schematic diagram of vector maps were generated by SnapGene Viewer 5.1.4.1..