

Supplementary Table S1. Bacteria and plasmids used in the study.

Strain or plasmid	Description	Source
<i>Escherichia coli</i>		
1830	<i>pro⁻ met⁻ Kan^r Nm^r</i> , containing transposon <i>Tn5</i> on the suicidal plasmid pBJ4JI	[19]
DH5α	supE44ΔlacU169(Φ80lacZΔM15) hsdR17recA1 gyrA96thi-1relA1	[20]
BL21(DE3)	hsdS gal(λclts857 <i>ind1</i> Sam7 <i>nin5</i> lacUV5-T7 gene 1)	[21]
<i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i>		
TO-6	Pcc, wild-type	Laboratory stock
Rif-TO6	TO-6, Rif ^r , wild-type	This study
TT6-3	Rif-TO6, <i>CarocinS4::Tn5</i> , Rif ^r , Kan ^r	This study
TT6-13	Rif-TO6, <i>CarocinS4::Tn5</i> , Rif ^r , Kan ^r	This study
TT6-21	Rif-TO6, <i>CarocinS4::Tn5</i> , Rif ^r , Kan ^r	This study
95F-3	Pcc, wild-type	Laboratory stock
Plasmid		
pMCL210	p15A, Cml ^r , Low copy number	[22]
pBR322	Amp ^r ; Tet ^r	Promega
pGEM-T Easy	Amp ^r ; lacZ, TA-cloning vector	Promega
pCRII-nptII	Amp ^r ; Kan ^r	Laboratory stock
pET32a	Amp ^r ; expression vector with the N-terminal His-tag	Novagen
pGS4KI	3032 bp DNA fragment harboring <i>caroS4K</i> and <i>caroS4I</i> genes from TO-4 genome, cloned into pGEM-T Easy Vector	This study
pGS4I	654 bp DNA fragment harboring <i>caroS4I</i> gene from TO-4 genome, cloned into pGEM-T Easy Vector	This study
pES4KI	<i>caroS4K</i> and <i>caroS4I</i> subcloned into pET32a	This study
pES4I	<i>caroS4I</i> subcloned into pET32a	This study

Kan^r: Kanamycin; Cml^r: Chloramphenicol; Rif^r: Rifampicin; Amp^r: Ampicillin.