P aeruginosa [1] PA01 Wild-type P. aeruginosa [1] N/RR PA01 with y/fit Releted this study Ay/INR PA01 with y/fit Releted this study Ay/INR PA01 with y/fit Releted this study Ay/INR PA01 with y/fitR/R deleted this study Complementation strains Locus: Ten strains in total Environmentation strains PA01 y/fitR-M2 Ay/fitR with y/fitR-M2 inserted at the Att::Tn7 locus this study Ay/fitR/M2 Ay/fitR/m2 inserted at the Att::Tn7 locus this study Ay/fitR/M2 Ay/fitR/m2 inserted at the Att::Tn7 locus this study Ay/fitR/M2 Ay/fitR/m2 inserted at the Att::Tn7 locus this study Ay/fitR/M2 Ay/fitR/m2 inserted at the Att::Tn7 locus this study PA01-upp8::Tn Tef*, PA01 with the lac2-Tn5 transposon inserted into cupA4 [2] PA01 cup8::Tn Tef*, PA01 with the lac2-Tn5 transposon inserted into cupA4 [3] PA01 peG::Tn Tef*, PA01 with the lac2-Tn5 transposon inserted into cupA4 [4] Ay/fitR cup8::Tn Tef*, PA01 with the lac2-Tn5 transposon inserted into cupA4 [4] Ay/fitR cup8::Tn Tef*, PA01 with the lac2-Tn5	Strains	Description	Reference
ΔyfiR PA01 with yfiR deleted this study ΔyfiNR PA01 with yfiNR deleted this study ΔyfiBNR ΔyfiNR PA01 with yfiNR deleted this study ΔyfiBNR ΔyfiBNR deleted this study Oxplementation strains tous. Ten strains in total this study PA01 yfiR-M2 ΔyfiR with yfiR-M2 inserted at the Att: Tn7 locus this study ΔyfiN yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att: Tn7 locus this study PA01-Gm ⁺⁺ Gm ⁺ , PA01 with the gentamycin resistance cassette inserted at the Att: Tn7 locus this study PA01-Gm ⁺⁺ Gm ⁺ , PA01 with the lac2-Tn5 transposon inserted into <i>cupB4</i> [2] PA01 cup2:Tn Tef ⁺ , PA01 with the phoA-Tn5 transposon inserted into <i>cup24</i> [2] PA01 cup2:Tn Tef ⁺ , PA01 with the phoA-Tn5 transposon inserted into <i>cup24</i> [3] PA01 cup2:Tn Tef ⁺ , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study AyfiR cup3:Tn Tef ⁺ , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study AyfiR cup3:Tn Tef ⁺ , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study AyfiR cup3:Tn Tef	P. aeruginosa		
ΔyfiNR PA01 with yfiNR deleted this study ΔyfiBNR PA01 with yfiBNR deleted this study ΔyfiBNR ΔyfiBNR with yfiBNR complementation operons inserted at the Att::Tn7 this study complementation strains locus. Ten strains in total this study AyfiR with yfiR-M2 ΔyfiR with yfiR-M2 inserted at the Att::Tn7 locus this study AyfiR With yfiR-M2 ΔyfiR with yfiR-M2 inserted at the Att::Tn7 locus this study AyfiR With yfiR-M2 AyfiR with yfiR-M2 inserted at the Att::Tn7 locus this study AyfiR With yfiR-M2 AyfiR with yfiR-M2 inserted at the Att::Tn7 locus this study PA01 cupA::Tn Tef*, PA01 with the gentamycin resistance cassette inserted at the this study this study PA01 cupA::Tn Tef*, PA01 with the phoA-Tn5 transposon inserted into cupA4 [2] PA01 paG::Tn Tef*, PA01 with the phoA-Tn5 transposon inserted into paG6 [3] PA01 paG::Tn Tef*, PA01 with the phoA-Tn5 transposon inserted into cupA4 this study AyfiR cupA::Tn Tef*, PA01 with the phoA-Tn5 transposon inserted into cupA4 this study AyfiR cupA::Tn Tef*, PA01 with the phoA-Tn5 transposon inserted into cupA4 this study	PA01	Wild-type <i>P. aeruginosa</i>	[1]
ΔyfiBNR PA01 with yfiBNR deleted this study yfiBNR- ΔyfiBNR with yfiBNR complementation operons inserted at the Att::Tn7 this study complementation strains locus. Ten strains in total PA01 yfiR-M2 ΔyfiRN with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiN yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiBN yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiBN yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att::Tn7 locus this study PA01-Gm ^M Gm [®] , PA01 with the gacTn5 transposon inserted into <i>cupA4</i> [2] PA01 cupA::Tn Tef [®] , PA01 with the lacZ-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 aupC::Tn Tef [®] , PA01 with the lacZ-Tn5 transposon inserted into <i>cupC4</i> [2] PA01 pelG::Tn ΔpsIAB Tef [®] , PA01 containing the WFPA60 ΔpsIAB cassette [3] PA01 pelG::Tn ΔpsIAB Tef [®] , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study ΔyfIR cupA::Tn Tef [®] , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study ΔyfIR cupA::Tn Tef [®] , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study <	∆yfiR	PA01 with <i>yfiR</i> deleted	this study
yfBNR- ΔyfBNR with yfBNR complementation operons inserted at the Att::Tn7 this study complementation strains locus. Ten strains in total this study PA01 yfR-M2 ΔyfR with yfR-M2 inserted at the Att::Tn7 locus this study ΔyfBN yfR-M2 ΔyfRM RMR-W2 inserted at the Att::Tn7 locus this study PA01-Gm ^N Gm ^R , PA01 with the gentamycin resistance cassette inserted at the this study PA01-Gm ^N Gm ^R , PA01 with the gentamycin resistance cassette into <i>cupA4</i> [2] PA01 cup8::Tn Tet ^R , PA01 with the pA0A-Tn5 transposon inserted into <i>cupB4</i> [2] PA01 cup8::Tn Tet ^R , PA01 with the pA0A-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 cup8::Tn Tet ^R , PA01 with the pA0A-Tn5 transposon inserted into <i>cupC4</i> [3] PA01 spi/AB Gm ^R , PA01 containing the WFPA60 Δpi/AB cassette [3] PA01 spi/AB Gm ^R , PA01 with the lac2-Tn5 transposon inserted into <i>cupC4</i> this study ΔyfR cup8::Tn Tet ^R , PA01 with the lac2-Tn5 transposon inserted into <i>cup24</i> this study ΔyfR cup8::Tn Tet ^R , PA01 with the lac2-Tn5 transposon inserted into <i>cup24</i> this study ΔyfR cup8::Tn Tet ^R , PA01 with the lac2-Tn5 transposon inserted into <i>cup24</i> this study	∆yfiNR	PA01 with <i>yfiNR</i> deleted	this study
complementation strains locus. Ten strains in total PA01 yfiR-M2 ΔyfiR with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiNR yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiNR yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att::Tn7 locus this study PA01-Gm ^m Gm ⁷ , PA01 with the gentamycin resistance cassette inserted at the Att::Tn7 locus this study PA01 cup8::Tn Tet [®] , PA01 with the lac2-Tn5 transposon inserted into cup84 [2] PA01 cup8::Tn Tet [®] , PA01 with the lac2-Tn5 transposon inserted into cup62 [2] PA01 cup6::Tn Tet [®] , PA01 with the lac2-Tn5 transposon inserted into cup64 [3] PA01 pelG::Tn Tet [®] , PA01 with the lac2-Tn5 transposon inserted into cup64 [1] PA01 pelG::Tn Tet [®] , OR0 [®] , PA01 containing the WFPA60 Aps/AB cassette [3] PA01 pelG::Tn Tet [®] , OR0 [®] , PA01 containing the WFPA60 Aps/AB cassette, with the ph0A-Tn5 transposon inserted into cup64 this study AyfiR cup6::Tn Tet [®] , PA01 with the lac2-Tn5 transposon inserted into cup64 this study AyfiR cup6::Tn Tet [®] , PA01 with the lac2-Tn5 transposon inserted into cup62 this study AyfiR cup6::Tn Tet [®]	∆yfiBNR	PA01 with <i>yfiBNR</i> deleted	this study
PA01 yfiR-M2 AyfiR with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiN yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiBN yfiR-M2 ΔyfiBNR with yfiR-M2 inserted at the Att::Tn7 locus this study PA01 - Gm ⁴ Gm ⁴ , PA01 with the gentamycin resistance cassette inserted at the Att::Tn7 locus this study PA01 cupA::Tn Tef ⁴ , PA01 with the pacA-Tn5 transposon inserted into cupA4 [2] PA01 cupA::Tn Tef ⁴ , PA01 with the pacA-Tn5 transposon inserted into cupC2 [2] PA01 cupC::Tn Tef ⁴ , PA01 with the pacA-Tn5 transposon inserted into cupC2 [2] PA01 pelG::Tn Tef ⁴ , PA01 with the pacA-Tn5 transposon inserted into cupC4 [3] PA01 pelG::Tn Tef ⁴ , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR cupA::Tn Tef ⁴ , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR cupA::Tn Tef ⁴ , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR cupA::Tn Tef ⁴ , PA01 with the pacA-Tn5 transposon inserted into cupA4 this study AyfiR cupA::Tn Tef ⁴ , PA01 with the pacA-Tn5 transposon inserted into cupA4 this study AyfiR cupB::Tn <td>yfiBNR-</td> <td>∆yfiBNR with yfiBNR complementation operons inserted at the Att::Tn7</td> <td>this study</td>	yfiBNR-	∆yfiBNR with yfiBNR complementation operons inserted at the Att::Tn7	this study
ΔyfiN yfiR-M2 ΔyfiNR with yfiR-M2 inserted at the Att::Tn7 locus this study ΔyfiBN yfiR-M2 ΔyfiBNR with yfiR-M2 inserted at the Att::Tn7 locus this study PA01-Gm ^R Gm ^R , PA01 with the gentamycin resistance cassette inserted at the Att::Tn7 locus this study PA01-upA::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into <i>cupA4</i> [2] PA01 cupA::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into <i>cupB4</i> [2] PA01 cupC::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 pelG::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 pelG::Tn Tet ^R , PA01 ontaining the WFPA60 Aps/AB cassette [3] PA01 pelG::Tn Δps/AB Gm ^R , PA01 containing the WFPA60 Δps/AB cassette, with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study ΔyfiR cupA::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into <i>cupA4</i> this study ΔyfiR cupB::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study ΔyfiR cupB::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into <i>cupA4</i> this study ΔyfiR Aps/AB Gm ^R , PA01 containing the WFPA60 Δps/AB cassette this study	complementation strains	locus. Ten strains in total	
ΔyfiBN yfiR-M2 ΔyfiBNR with yfiR-M2 inserted at the Att::Tn7 locus this study PA01-Gm* Gm*, PA01 with the gentamycin resistance cassette inserted at the Att::Tn7 locus this study PA01 cupA::Tn Tet*, PA01 with the lacZ-Tn5 transposon inserted into <i>cupA4</i> [2] PA01 cupA::Tn Tet*, PA01 with the lacZ-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 cupC::Tn Tet*, PA01 with the lacZ-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 pelG::Tn Tet*, PA01 with the lacZ-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 pelG::Tn Tet*, PA01 with the lacZ-Tn5 transposon inserted into <i>cupC2</i> [2] PA01 pelG::Tn \psi/AB Gm*, PA01 containing the WFPA80 \psi/AB cassette [3] PA01 pelG::Tn Tet*, PA01 with the lacZ-Tn5 transposon inserted into <i>cupA4</i> this study \priR cupA::Tn Tet*, PA01 with the lacZ-Tn5 transposon inserted into <i>cupB4</i> this study \priR cupB::Tn Tet*, PA01 with the phoA-Tn5 transposon inserted into <i>cupC2</i> this study \priR apsiAB Gm*, PA01 containing the WFPA80 \psi/AB cassette this study \priR pelG::Tn Tet*, PA01 with the phoA-Tn5 transposon inserted into <i>pelG</i> this study \priPi = PA01 with the phoA-Tn5 tra	PA01 yfiR-M2	∆yfiR with yfiR-M2 inserted at the Att::Tn7 locus	this study
PA01-Gm ^R Gm ^R , PA01 with the gentamycin resistance cassette inserted at the Att::Tn7 locus this study PA01 cupA::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 [2] PA01 cupB::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupB4 [2] PA01 cupC::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 pe/G::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into pe/G [2] PA01 ps/AB Gm ^R , PA01 containing the WFPA60 Δps/AB cassette [3] PA01 ps/AB Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study ΔyfiR cupA::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study ΔyfiR cupA::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study ΔyfiR cupB::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study ΔyfiR pe/G::Tn Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA2 this study ΔyfiR pe/G::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupA4 this study ΔyfiR ps/AB Gm ^R , PA01 containing the WFPA60 Δps/AB cassette this study ΔyfiR ps/AB Gm ^R , PA01 contatining the WFPA60 Δps/AB cassette thi	∆yfiN yfiR-M2	∆yfiNR with yfiR-M2 inserted at the Att::Tn7 locus	this study
Att::Tn7 locus PA01 cupA::Tn Tet ^R , PA01 with the lac2-Tn5 transposon inserted into cupA4 [2] PA01 cupB::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 cupD::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 cupD::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 pelG::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 pelG::Tn Tet ^R , PA01 containing the WFPA60 psiAB cassette [3] PA01 pelG::Tn ΔpsiAB Tet ^R , PA01 containing the WFPA60 psiAB cassette, with the this study phoA-Tn5 transposon inserted into cupA4 this study AyfIR cupA::Tn Tet ^R , PA01 with the lac2-Tn5 transposon inserted into cupC2 this study AyfIR cupC::Tn Tet ^R , PA01 with the lac2-Tn5 transposon inserted into cupC4 this study AyfIR cupC::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 this study AyfIR pelG::Tn Tet ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 this study AyfIR pelG::Tn ApsIAB Gm ^R , PA01 containing the WFPA60 ApsIAB cassette this study AyfIR pelG::Tn ApsIAB Gm ^R , PA01 containing the WFPA60 ApsIAB cassette this study AyfIR pelG::Tn ApsIAB <td>∆yfiBN yfiR-M2</td> <td>∆yfiBNR with yfiR-M2 inserted at the Att::Tn7 locus</td> <td>this study</td>	∆yfiBN yfiR-M2	∆yfiBNR with yfiR-M2 inserted at the Att::Tn7 locus	this study
PA01 cupA::Tn Tet ⁸ , PA01 with the lacZ-Tn5 transposon inserted into cupA4 [2] PA01 cupB::Tn Tet ⁸ , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 cupC::Tn Tet ⁸ , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 cupC::Tn Tet ⁸ , PA01 with the phoA-Tn5 transposon inserted into pelG [2] PA01 dpsIAB Gm ⁸ , PA01 containing the WFPA60 dpsIAB cassette [3] PA01 pelG::Tn ΔpsIAB Tet ⁸ , PA01 containing the WFPA60 dpsIAB cassette, with the phoA-Tn5 transposon inserted into pelG this study AyfiR cupA::Tn Tet ⁸ , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR cupB::Tn Tet ⁸ , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR cupE::Tn Tet ⁸ , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR pelG::Tn Tet ⁸ , PA01 with the phoA-Tn5 transposon inserted into pelG this study AyfiR pelG::Tn Tet ⁸ , PA01 containing the WFPA60 dpsIAB cassette this study AyfiR pelG::Tn Tet ⁸ , PA01 containing the WFPA60 dpsIAB cassette this study AyfiR pelG::Tn Tet ⁸ , PA01 containing the WFPA60 dpsIAB cassette this study AyfiR pelG::Tn Set ⁸ , PA01 containing the WFPA60 dpsIAB cassette <td>PA01-Gm^R</td> <td>Gm^R, PA01 with the gentamycin resistance cassette inserted at the</td> <td>this study</td>	PA01-Gm ^R	Gm ^R , PA01 with the gentamycin resistance cassette inserted at the	this study
PA01 cupB::Tn Tet ^N , PA01 with the phoA-Tn5 transposon inserted into cupB4 [2] PA01 cupC::Tn Tet ^N , PA01 with the phoA-Tn5 transposon inserted into cupC2 [2] PA01 pelG::Tn Tet ^N , PA01 with the phoA-Tn5 transposon inserted into pelG [2] PA01 pelG::Tn Tet ^N , Gm ^N , PA01 containing the WFPA60 Aps/AB cassette [3] PA01 pelG::Tn Δps/AB Gm ^N , PA01 containing the WFPA60 Δps/AB cassette, with the phoA-Tn5 transposon inserted into pelG this study AyfiR cupA::Tn Tet ^N , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR cupA::Tn Tet ^N , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study AyfiR cupC::Tn Tet ^N , PA01 with the phoA-Tn5 transposon inserted into cupA4 this study AyfiR pelG::Tn Tet ^N , PA01 with the phoA-Tn5 transposon inserted into pelG this study AyfiR pelG::Tn Tet ^N , PA01 containing the WFPA60 Δps/AB cassette this study AyfiR pelG::Tn Δps/AB Gm ^N , PA01 containing the WFPA60 Δps/AB cassette this study AyfiR pelG::Tn Δps/AB Gm ^N , PA01 containing the WFPA60 Δps/AB cassette this study AyfiR pelG::Tn Tet ^N , PA01 containing the WFPA60 Δps/AB cassette this study DyfiR pelG::Tn Δps/AB Gm ^N , PA01 containing the W		Att::Tn7 locus	
PA01 cupC::Tn Tef ^R , PA01 with the lacZ-Tn5 transposon inserted into cupC2 [2] PA01 pelG::Tn Tef ^R , PA01 with the phoA-Tn5 transposon inserted into pelG [2] PA01 ΔpsIAB Gm ^R , PA01 containing the WFPA60 ΔpsIAB cassette [3] PA01 pelG::Tn ΔpsIAB Tef ^R , Gm ^R , PA01 containing the WFPA60 ΔpsIAB cassette, with the phoA-Tn5 transposon inserted into pelG this study ΔyfiR cupA::Tn Tef ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study ΔyfiR cupB::Tn Tef ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study ΔyfiR cupC::Tn Tef ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4 this study ΔyfiR pelG::Tn Tef ^R , PA01 with the phoA-Tn5 transposon inserted into cupA2 this study ΔyfiR pelG::Tn Tef ^R , PA01 with the phoA-Tn5 transposon inserted into cupC2 this study ΔyfiR pelG::Tn Tef ^R , PA01 containing the WFPA60 ΔpsIAB cassette this study ΔyfiR pelG::Tn ΔpsIAB Gm ^R , PA01 containing the WFPA60 ΔpsIAB cassette, with the this study this study ΔyfiR pelG::Tn ΔpsIAB Gm ^R , PA01 containing the WFPA60 ΔpsIAB cassette, with the this study this study ΔyfiR pelG::Tn ΔpsIAB Gm ^R , PA01 containing the WFPA60 ΔpsIAB cassette this study ClinSCV-11	PA01 <i>cupA</i> ::Tn	Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4	[2]
PA01 pelG::TnTet ^K , PA01 with the phoA-Tn5 transposon inserted into pelG[2]PA01 ΔpslABGm ^K , PA01 containing the WFPA60 ΔpslAB cassette[3]PA01 pelG::Tn ΔpslABTet ^K , Gm ^K , PA01 containing the WFPA60 ΔpslAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR cupA::TnTet ^K , PA01 with the lacZ-Tn5 transposon inserted into cupA4this studyΔyfiR cupB::TnTet ^K , PA01 with the phoA-Tn5 transposon inserted into cupB4this studyΔyfiR cupC::TnTet ^K , PA01 with the phoA-Tn5 transposon inserted into cupC2this studyΔyfiR pelG::TnTet ^K , PA01 with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR pelG::TnTet ^K , PA01 containing the WFPA60 ΔpslAB cassettethis studyΔyfiR pelG::Tn ΔpslABGm ^K , PA01 containing the WFPA60 ΔpslAB cassettethis studyΔyfiR pelG::Tn ΔpslABTet ^K , Gm ^K , PA01 containing the WFPA60 ΔpslAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliImage: Start	PA01 <i>cupB</i> ::Tn	Tet ^R , PA01 with the phoA-Tn5 transposon inserted into <i>cupB4</i>	[2]
PA01 ΔpsiABGm ^{ir} , PA01 containing the WFPA60 ΔpsiAB cassette[3]PA01 pelG::Tn ΔpsiABTel ^K , Gm ^K , PA01 containing the WFPA60 ΔpsiAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR cupA::TnTel ^K , PA01 with the lacZ-Tn5 transposon inserted into cupA4this studyΔyfiR cupB::TnTel ^K , PA01 with the phoA-Tn5 transposon inserted into cupB4this studyΔyfiR cupC::TnTel ^K , PA01 with the phoA-Tn5 transposon inserted into cupC2this studyΔyfiR pelG::TnTel ^K , PA01 with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR pelG::TnTel ^K , PA01 containing the WFPA60 ΔpsiAB cassettethis studyΔyfiR pelG::TnTel ^K , PA01 containing the WFPA60 ΔpsiAB cassettethis studyΔyfiR pelG::Tn ΔpsiABGm ^K , PA01 containing the WFPA60 ΔpsiAB cassettethis studyΔyfiR pelG::Tn ΔpsiABTel ^K , Gm ^K , PA01 containing the WFPA60 ΔpsiAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliImage: market	PA01 <i>cupC</i> ::Tn	Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into <i>cupC2</i>	[2]
PA01 pelG::Tn ΔpslABTet ^R , Gm ^R , PA01 containing the WFPA60 ΔpslAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR cupA::TnTet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupA4this studyΔyfiR cupB::TnTet ^R , PA01 with the phoA-Tn5 transposon inserted into cupB4this studyΔyfiR cupC::TnTet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupC2this studyΔyfiR pelG::TnTet ^R , PA01 with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR pelG::TnTet ^R , PA01 containing the WFPA60 ΔpslAB cassettethis studyΔyfiR pelG::Tn ΔpslABGm ^R , PA01 containing the WFPA60 ΔpslAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR pelG::Tn ΔpslABTet ^R , Gm ^R , PA01 containing the WFPA60 ΔpslAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliBL21-(DE3)Sm ^R , K12 recF143 lacf ^R lacZΔ.M15, xylANovagenDH5αendA1, hsdR17(rk-mk+), supE44, recA1, gyrA (Nal'), relA1, Δ(laclZYA- 	PA01 <i>pelG</i> ::Tn	Tet ^K , PA01 with the phoA-Tn5 transposon inserted into <i>pelG</i>	[2]
phoA-Tn5 transposon inserted into pelGΔyfiR cupA::TnTet ^K , PA01 with the lacZ-Tn5 transposon inserted into cupA4ΔyfiR cupB::TnTet ^K , PA01 with the phoA-Tn5 transposon inserted into cupB4ΔyfiR cupC::TnTet ^K , PA01 with the lacZ-Tn5 transposon inserted into cupC2ΔyfiR pelG::TnTet ^K , PA01 with the phoA-Tn5 transposon inserted into pelGΔyfiR pelG::TnTet ^K , PA01 with the phoA-Tn5 transposon inserted into pelGΔyfiR ΔpsIABGm ^R , PA01 containing the WFPA60 ΔpsIAB cassetteΔyfiR ΔpsIABGm ^R , PA01 containing the WFPA60 ΔpsIAB cassette, with the phoA-Tn5 transposon inserted into pelGClinSCV-110SCV strain isolated from CF sputumE. coliEBL21-(DE3)Sm ^K , K12 recF143 lacl ^R lacZΔ.M15, xylANovagenDH5αendA1, hsdR17(rk-rmk+), supE44, recA1, gyrA (Nal ^A), relA1, Δ(laclZYA- argF)U169, deoR, Φ80dlacΔ(lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 ΔlacU169 gal490 λcl857 Δ(cro-bicA)[5]PlasmidspALMAR3Insertion vector for Tet ^K Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pET42bKm ^K , purification vector, Hise-tagNovagenpET42bKm ^K , purification vector, Hise-tagNovagen	PA01 ∆ <i>psIAB</i>	Gm ^ĸ , PA01 containing the WFPA60 <i>∆pslAB</i> cassette	[3]
ΔyfiR cupA::TnTet*, PA01 with the lacZ-Tn5 transposon inserted into cupA4this studyΔyfiR cupB::TnTet*, PA01 with the phoA-Tn5 transposon inserted into cupC2this studyΔyfiR cupC::TnTet*, PA01 with the lacZ-Tn5 transposon inserted into cupC2this studyΔyfiR pelG::TnTet*, PA01 with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR pelG::TnTet*, PA01 containing the WFPA60 ΔpslAB cassettethis studyΔyfiR pelG::Tn ΔpslABGm*, PA01 containing the WFPA60 ΔpslAB cassettethis studyΔyfiR pelG::Tn ΔpslABCm*, PA01 containing the WFPA60 ΔpslAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis studyBL21-(DE3)Sm*, K12 recF143 lacl* lacZA.M15, xylANovagenDH5αendA1, hsdR17(rk-mk+), supE44, recA1, gyrA (Nal*), relA1, Δ(laclZYA- argF)U169, deoR, Φ80dlacΔ(lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY30W3110 ΔlacU169 gal490 λcl857 Δ(cro-bioA)[5]Plasmids	PA01 <i>pelG</i> ::Tn ∆ <i>pslAB</i>	Tet ^R , Gm ^R , PA01 containing the WFPA60 ∆ <i>pslAB</i> cassette, with the	this study
$\Delta y fiR cupB::Tn$ Tet^{R} , PA01 with the phoA-Tn5 transposon inserted into $cupB4$ this study $\Delta y fiR cupC::Tn$ Tet^{R} , PA01 with the lacZ-Tn5 transposon inserted into $cupC2$ this study $\Delta y fiR pelG::Tn$ Tet^{R} , PA01 with the phoA-Tn5 transposon inserted into $pelG$ this study $\Delta y fiR \Delta pslAB$ Gm^{R} , PA01 containing the WFPA60 $\Delta pslAB$ cassettethis study $\Delta y fiR pelG::Tn \Delta pslAB$ Tet^{R} , Gm^{R} , PA01 containing the WFPA60 $\Delta pslAB$ cassette, with the phoA-Tn5 transposon inserted into $pelG$ this studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliBL21-(DE3)Sm ^R , K12 recF143 lacl ^d lacZ\Delta.M15, xylANovagenDH5 α endA1, hsdR17(r_k-m_k+), supE44, recA1, gyrA (Nal ¹), relA1, $\Delta(laclZYA-$ argF)U169, deoR, $\Phi 80dlac\Delta(lacZ)M15$ M. MansonDY330W3110 $\Delta lacU169$ gal490 $\lambda cl857 \Delta(cro-bioA)$ [5]PlasmidspALMAR3Insertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pET42bKm ^R , purification vector, His ₆ -tagNovagenpET42b vftNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study		phoA-Tn5 transposon inserted into pelG	
$\Delta y fiR cupC::TnTetts, PA01 with the lacZ-Tn5 transposon inserted into cupC2this study\Delta y fiR pelG::TnTets, PA01 with the phoA-Tn5 transposon inserted into pel/Gthis study\Delta y fiR \Delta pslABGms, PA01 containing the WFPA60 \Delta pslAB cassettethis study\Delta y fiR pelG::Tn \Delta pslABTets, Gms, PA01 containing the WFPA60 \Delta pslAB cassette, with thephoA-Tn5 transposon inserted into pel/Gthis studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliE. coliNovagenBL21-(DE3)Sms, K12 recF143 lacf lacZA.M15, xylANovagenDH5aendA1, hsdR17(rk-mk+), supE44, recA1, gyrA (Nal'), relA1, \Delta (lacIZYA-argF)U169, deoR, \Phi 80 dlac\Delta (lacZ)M15[4]MM337K-12 araD139 flbE5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 \Delta lacU169 gal490 \lambda cl857 \Delta (cro-bioA)[5]PlasmidsInsertion vector for Tets Mariner transposon[6]pBV-MCS4Gms, vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5292E326A under the control of vanillate promoter[7]pET42bKms', purification vector, Hisg-tagNovagenpET42bKms', purification vector, Hisg-tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study$	∆ <i>yfiR cupA</i> ::Tn	Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into <i>cupA4</i>	this study
ΔyfiR pelG::TnTett, PA01 with the phoA-Tn5 transposon inserted into pelGthis studyΔyfiR ΔpsIABGm ^R , PA01 containing the WFPA60 ΔpsIAB cassettethis studyΔyfiR pelG::Tn ΔpsIABTett, Gm ^R , PA01 containing the WFPA60 ΔpsIAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliBL21-(DE3)Sm ^R , K12 recF143 lacf lacZΔ.M15, xyIANovagenDH5αendA1, hsdR17(rk-mk+), supE44, recA1, gyrA (Nal ^T), relA1, Δ(lac/ZYA- argF)U169, deoR, Φ80dlacΔ(lacZ)M15[4]MM337K-12 araD139 flbE5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 ΔlacU169 gal490 λcl857 Δ(cro-bioA)[5]PlasmidsInsertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5292 casaA under the control of vanillate promoter[7]pET42bKm ^{K*} , purification vector, Hise-tagNovagen	∆ <i>yfiR cupB</i> ::Tn	Tet ^K , PA01 with the phoA-Tn5 transposon inserted into <i>cupB4</i>	this study
$\Delta y fiR \Delta psIAB$ Gm ^R , PA01 containing the WFPA60 $\Delta psIAB$ cassettethis study $\Delta y fiR pelG::Tn \Delta psIAB$ Tet ^R , Gm ^R , PA01 containing the WFPA60 $\Delta psIAB$ cassette, with the phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis study <i>E. coli</i> SCV strain isolated from CF sputumthis studyBL21-(DE3)Sm ^R , K12 recF143 lacf ^R lacZ\Delta.M15, xyIANovagenDH5aendA1, hsdR17(r _K -m _K +), supE44, recA1, gyrA (Nal ⁴), reIA1, Δ (lacIZYA- argF)U169, deoR, Φ 80/lac Δ (lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR reIA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY30W3110 Δ lacU169 gal490 $\lambda cl857 \Delta$ (cro-bioA)[5]PlasmidspALMAR3Insertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pET42bKm ^R , purification vector, His ₆ -tagNovagen	∆ <i>yfiR cupC</i> ::Tn	Tet ^R , PA01 with the lacZ-Tn5 transposon inserted into cupC2	this study
ΔyfiR pelG::Tn ΔpslABTet ^R , Gm ^R , PA01 containing the WFPA60 ΔpslAB cassette, with the phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliImage: Strain Strate S	∆ <i>yfiR pelG</i> ::Tn	Tet ^R , PA01 with the phoA-Tn5 transposon inserted into <i>pelG</i>	this study
phoA-Tn5 transposon inserted into pelGthis studyClinSCV-110SCV strain isolated from CF sputumthis studyE. coliImage: SCV strain isolated from CF sputumNovagenBL21-(DE3)Sm ^R , K12 recF143 lac/ ^q lacZΔ.M15, xylANovagenDH5αendA1, hsdR17(r _K -m _K +), supE44, recA1, gyrA (Nal [*]), relA1, Δ(lac/ZYA- argF)U169, deoR, Φ80dlacΔ(lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 ΔlacU169 gal490 λcl857 Δ(cro-bioA)[5]PlasmidsImage: Score from the space	Δy fiR Δp slAB	Gm ^R , PA01 containing the WFPA60 <i>∆pslAB</i> cassette	this study
ClinSCV-110SCV strain isolated from CF sputumthis studyE. coliInstructionBL21-(DE3)Sm ^R , K12 recF143 lacl ^q lacZ Δ .M15, xylANovagenDH5aendA1, hsdR17(rk-mk+), supE44, recA1, gyrA (Nal ^f), relA1, Δ (laclZYA- argF)U169, deoR, Φ 80dlac Δ (lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 Δ lacU169 gal490 λ cl857 Δ (cro-bioA)[5]PlasmidsInsertion vector for Tet ^R Mariner transposonA. Levip8V-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]p8V-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pET42bKm ^R , purification vector, Hise-tagNovagenpET42bgpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	∆ <i>yfiR pelG</i> ::Tn ∆ <i>pslAB</i>	Tet ^R , Gm ^R , PA01 containing the WFPA60 <i>∆pslAB</i> cassette, with the	this study
E. coliE. coliBL21-(DE3) Sm^{R} , K12 recF143 lacl ^a lacZ Δ .M15, xylANovagenDH5 α endA1, hsdR17(r _K -m _K +), supE44, recA1, gyrA (Nal ¹), relA1, Δ (laclZYA- argF)U169, deoR, Φ 80dlac Δ (lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY30W3110 Δ lacU169 gal490 λ cl857 Δ (cro-bioA)[5]Plasmids		phoA-Tn5 transposon inserted into pelG	
BL21-(DE3)Sm ^K , K12 recF143 lacl ^q lacZΔ.M15, xylANovagenDH5αendA1, hsdR17(rk-mk+), supE44, recA1, gyrA (Nal ^f), relA1, Δ(laclZYA- argF)U169, deoR, Φ80dlacΔ(lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 ΔlacU169 gal490 λcl857 Δ(cro-bioA)[5]Plasmids[5]pALMAR3Insertion vector for Tet ^K Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pET42bKm ^K , purification vector, His ₆ -tagNovagen	ClinSCV-110	SCV strain isolated from CF sputum	this study
DH5αendA1, hsdR17(r _K -m _K +), supE44, recA1, gyrA (Nal ^r), relA1, Δ(laclZYA- argF)U169, deoR, Φ 80dlacΔ(lacZ)M15[4]MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 Δ lacU169 gal490 λ cl857 Δ (cro-bioA)[5]Plasmids[5]pALMAR3Insertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pBV-PA5295pBV-MCS4 with PA5292 _{E328A} under the control of vanillate promoter[7]pET42bKm ^R , purification vector, His ₆ -tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	E. coli		
argF)U169, deoR, Φ80dlacΔ(lacZ)M15MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 ΔlacU169 gal490 λc/857 Δ(cro-bioA)[5]Plasmids[5]pALMAR3Insertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pBV-PA5295_E328ApBV-MCS4 with PA5292_E328A under the control of vanillate promoter[7]pET42bKm ^K , purification vector, His ₆ -tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	BL21-(DE3)	Sm ^κ , K12 <i>recF143 lacl⁰ lacZ∆.M15</i> , <i>xylA</i>	Novagen
MM337K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cyaM. MansonDY330W3110 ΔlacU169 gal490 λcl857 Δ(cro-bioA)[5]Plasmids[5]pALMAR3Insertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pBV-PA5295pBV-MCS4 with PA5292 _{E328A} under the control of vanillate promoter[7]pET42bKm ^R , purification vector, His ₆ -tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	DH5a	endA1, hsdR17(r_{K} - m_{K} +), supE44, recA1, gyrA (Nal ^r), relA1, Δ (laclZYA-	[4]
DY330W3110 ΔlacU169 gal490 λcl857 Δ(cro-bioA)[5]Plasmids		argF)U169, deoR, Φ80dlac∆(lacZ)M15	
PlasmidsA. LevipALMAR3Insertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pBV-PA5295_E328ApBV-MCS4 with PA5292_E328A under the control of vanillate promoter[7]pET42bKm ^R , purification vector, His ₈ -tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	MM337	K-12 araD139 flbB5301 ptsF25 rbsR relA1 rpsL150 -(argF-lac)U169 -cya	M. Manson
pALMAR3Insertion vector for Tet ^R Mariner transposonA. LevipBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pBV-PA5295 _{E328A} pBV-MCS4 with PA5292 _{E328A} under the control of vanillate promoter[7]pET42bKm ^R , purification vector, His ₆ -tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	DY330	W3110 ΔlacU169 gal490 λcl857 Δ(cro-bioA)	[5]
pBV-MCS4Gm ^R , vanillate inducible high-copy number plasmid[6]pBV-PA5295pBV-MCS4 with PA5295 under the control of vanillate promoter[7]pBV-PA5295 _{E328A} pBV-MCS4 with PA5292 _{E328A} under the control of vanillate promoter[7]pET42bKm ^R , purification vector, His ₈ -tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	Plasmids		
pBV-PA5295 pBV-MCS4 with PA5295 under the control of vanillate promoter [7] pBV-PA5295 _{E328A} pBV-MCS4 with PA5292 _{E328A} under the control of vanillate promoter [7] pET42b Km ^R , purification vector, His ₆ -tag Novagen pET42b-yfiN pET42b with N-terminal truncated yfiN as Xhol-Ndel fragment this study	pALMAR3	Insertion vector for Tet ^R Mariner transposon	A. Levi
pBV-PA5295 _{E328A} pBV-MCS4 with PA5292 _{E328A} under the control of vanillate promoter [7] pET42b Km ^R , purification vector, His ₈ -tag Novagen pET42b-yfiN pET42b with N-terminal truncated yfiN as Xhol-Ndel fragment this study	pBV-MCS4	Gm ^R , vanillate inducible high-copy number plasmid	[6]
pET42bKm ^R , purification vector, His6-tagNovagenpET42b-yfiNpET42b with N-terminal truncated yfiN as Xhol-Ndel fragmentthis study	pBV-PA5295	pBV-MCS4 with PA5295 under the control of vanillate promoter	[7]
pET42b- <i>yfiN</i> pET42b with N-terminal truncated <i>yfiN</i> as <i>Xhol-Ndel</i> fragment this study	pBV-PA5295 _{E328A}	pBV-MCS4 with PA5292 $_{E328A}$ under the control of vanillate promoter	[7]
	pET42b	Km ^ĸ , purification vector, His₀-tag	Novagen
	pET42b- <i>yfiN</i>	pET42b with N-terminal truncated yfiN as Xhol-Ndel fragment	this study
pE1420-yrib pE1420 with yrib as xhol-Ndel tragment this study	pET42b- <i>yfiB</i>	pET42b with yfiB as Xhol-Ndel fragment	this study
pUC18T-mini-Tn7T-Gm Amp ^R , Gm ^R , Tn7 insertion vector [8]	pUC18T-mini-Tn7T-Gm	Amp ^R , Gm ^R , Tn7 insertion vector	[8]
yfiBNR-complementation pUC18T-mini-Tn7T-Gm with yfiBNR operon alleles as HindIII- BamHI this study	yfiBNR-complementation	pUC18T-mini-Tn7T-Gm with yfiBNR operon alleles as HindIII- BamHI	this study

Table S1: Bacterial strains and plasmids

vectors	fragments. Twelve plasmids in total	
pTNS2	Amp ^R , helper plasmid for Tn7 integration events	[8]
pME6032	Tet^{R} , P _K , 9.8 kb pVS1 derived shuttle vector	[9]
pME6032-yfiB	pME6032 with yfiB as EcoRI-BamHI fragment	this study
pBBR-MCS4	Amp ^R , broad-host range cloning vector	[10]
pBBR-MCS5	Gm ^R , broad-host range cloning vector	[10]
p- <i>yfiR</i>	pBBR-MCS5 with yfiR as BamHI-HindIII fragment	this study
pBBR4-wspR19	pBBR-MCS4 with wspR19 as EcoRI-HindIII fragment	this study
pME-araC	pME6032 with araC/pBAD-promoter as EcoRI-BamHI fragment	this study
p- <i>ara-yfiN</i>	pME-araC with yfiN as SacI -BgIII fragment	this study
pME-araC-yfiR-phoA	pME-araC with yfiR-phoA fusion as EcoRI-XhoI fragment	this study
pME-araC-tr-yfiR-phoA	pME-araC with trunc yfiR-phoA fusion as EcoRI-XhoI fragment	this study
pME-yfiR-cherry	pME6032 with yfiR-Mcherry fusion as EcoRI-BgIII fragment	this study
pMR20	Tet ^R , low copy number and broad host-range vector	[11]
pMR20-yfiBNR	pMR20 with yfiBNR as HindIII-BamHI fragment	this study
pMR20-yfiR-M2	pMR20 with yfiR-M2 as HindIII-BamHI fragment	this study
pTn7- <i>yfiR-M</i> 2	pUC18T-mini-Tn7T with yfiR-M2 as HindIII-BamHI fragment	this study
pAD6Ω	Sm ^R , Tet ^R , pMR20 derivative containing EGFP under the <i>lac</i> promoter	this study
pKT25	pSU40 derivative with T25 fragment of CyaA	[12]
pKT25-zip	pKT25 derivative with leucine zipper of GCN4	[12]
pUT18C-zip	pUT18C derivative with leucine zipper of GCN4	[12]
pUT18C	pUC19 derivative with T18 fragment of CyaA. C-terminal fusions	[12]
pUT18	pUC19 derivative with T18 fragment of CyaA. N-terminal fusions	[12]
pUT18C-yfi vectors	Bacterial two-hybrid vectors with yfi genes as Xbal-BamHI fragments	this study
pKT25-yfi vectors	Bacterial two-hybrid vectors with yfi genes as Xbal-BamHI fragments	this study
pUT18-yfi vectors	Bacterial two-hybrid vectors with yfi genes as HindIII-BamHI fragments	this study
pME6032-luxCDABE	pME6032 with <i>luxCDABE</i> as <i>EcoRI-BamHI</i> fragment	this study
pME6032-promoter-lux	pME6032-luxCDABE with PA01 promoters as Xhol-EcoRI fragments.	this study
vectors	Eight plasmids in total	
pEX18Ap	Amp ^K , <i>oriT</i> +, <i>sacB</i> +, gene replacement vector	[13]
pEX18Ap-∆ <i>yfiBNR</i>	pEX18Ap with yfiBNR Gm ^K -FRT deletion cassette as HindIII-KpnI	this study
	fragment	
pEX18Ap-∆ <i>yfiNR</i>	pEX18Ap with yfiNR Gm ^R -FRT deletion cassette as HindIII-KpnI	this study
	fragment	
pEX18Ap-∆ <i>yfiR</i>	pEX18Ap with yfiR deletion cassette as HindIII-KpnI fragment	this study
pFLP2	Amp ^K , FRT cassette excision vector	[13]

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