Table S1. Bacterial strains and plasmids used in this study.

Name	Description	Reference
P. aeruginosa		
PA01	Wild-type *P. aeruginosa*	[1]
Δ*yfiR*	PA01 with *yfiR* deleted	[2]
Δ*yfiNR*	PA01 with *yfiNR* deleted	[2]
Δ*yfiBNR*	PA01 with *yfiBNR* deleted	[2]
ΔyfiBNR Tn*7*::*yfiNR*	Δ*yfiBNR* with *yfiNR* genes inserted at the Att::Tn*7* locus	[2]
PA01 *yfiR*-M2	Δ*yfiR* with *yfiR-flag* inserted at the Att::Tn*7* locus	[2]
Δ*yfiBN yfiR*-M2	Δ*yfiBNR* with *yfiR-flag* inserted at the Att::Tn*7* locus	[2]
Δ*yfiN yfiR*-M2	Δ*yfiNR* with *yfiR-flag* inserted at the Att::Tn*7* locus	[2]
PA01 Tn*7*::*yfiRN-flag*	PA01 with *yfiRN-flag* inserted at the Att::Tn*7* locus	This study
ΔyfiNR Tn*7*::*yfiRN-flag*	Δ*yfiNR* with *yfiRN-flag* inserted at the Att::Tn*7* locus	This study
Δ*dsbA*	PA01 with *dsbA* deleted	This study
Δ*dsbA* Δ*yfiBNR*	Δ*yfiBNR* with *dsbA* deleted	This study
Δ*dsbA* Δ*yfiB*	Δ*dsbA* Δ*yfiBNR* with *yfiNR* genes inserted at the Att::Tn*7* locus	This study
*wspR::*Tn*5*	Tn*5* insertion in *wspR*	This study
Δ*dsbA wspR::*Tn*5*	Δ*dsbA* with Tn*5* insertion in *wspR*	This study
Clin110	SCV strain isolated from CF sputum	[2]
Clin163	Smooth strain isolated from CF sputum. Descendent of Clin110	This study
Δ*yfiBNR* Tn*7*::*yfiBNR* Clinical *yfiN* alleles	Δ*yfiBNR* with *yfiBNR* genes inserted at the Att::Tn*7* locus. *yfiN* present in four alleles containing combinations of G173D and Δ255-7 mutations	This study
SCV20265	SCV strain isolated from CF sputum	[3]
WT20265	Smooth precursor of SCV20265, isolated from CF sputum	[3]
E. coli		
DH5α	*endA*1, *hsdR*17(r_K-m_K+), *supE*44, *recA*1, *gyrA* (Nal^r), *relA*1, Δ(*lacIZYA-argF*)U169, *deoR*, Φ80*dlacΔ(lacZ)M15*	[4]
DY330	W3110 *ΔlacU169 gal490 λcI857 Δ(cro-bioA)*	[5]
XL1-red	F- endA1 *gyrA*96(*nalR*) *thi*-1 *relA*1 *lac glnV*44 *hsdR*17(rK- mK+) *mutS mutT mutD*5 Tn10	Stratagene
Plasmids		
pME6032	Tet^R, P_K, 9.8 kb pVS1 derived shuttle vector	[6]
pME6032-Gm	Gm^R, pME6032 based vector, Tet cassette replaced with *aacCI* gentamycin resistance cassette	This study
pME-*araC*	Tet^R, pME6032 with the lac-promoter and *lacI* replaced with the *araC*-pBAD promoter fragment from pBAD18s	[2]
pME-*araC-yfiR*	Tet^R, pME-*araC* containing YfiR under control of ara-promoter as EcoRI-BglII fragment	[2]
pME6032-*yfiB*	pME6032 with *yfiB* as *EcoRI-BglI* fragment	[2]
pBV-PA5295	pBV-MCS4 with PA5295 under the control of vanillate promoter	[2]

pBV-PA5295$_{E328A}$	pBV-MCS4 with PA5292$_{E328A}$ under the control of vanillate promoter	[2]
Activated *yfiB* mutants	20 pME6032-*yfiB* variants with activating mutations in *yfiB* (see Table 3)	This study
pGm-*yfiprom-N*	pME6032-Gm with *yfiN* as *Bam*HI-blunt fragment, *yfiN* expressed from the native promoter	This study
pGm-*yfiprom-N* - *constructs*	pME6032-Gm with yfi*N* alleles as *Bam*HI-*Nco*I fragments, containing single point mutations	This study
YfiR-insensitive YfiN mutants	20 pGm-*yfiprom-N* variants with YfiR-insensitive mutations in *yfiN* (see Table 1 and Fig.7C)	This study
pMR-*yfiR-flag*	pMR20-*yfiR-M2* with lac promoter replaced by FRT scar sequence	This study
Compensatory YfiR mutants	14 pMR-*yfiR-flag* variants with compensatory mutations in *yfiR* (see Table 2 and Fig. 7C)	This study
pME-*yfiB-PG* - constructs	pME6032-*yfiB* with *yfiB* D102A,G105A (± F48S, L43P) as *Eco*RI-*Asc*I fragments	This study
pME-*yfiB-LA* - constructs	pME6032 containing *yfiR* residues 1-42 fused to *yfiB* (± D102A,G105A) residues 26-169 as *EcoRI-BglI* fragment	This study
pME-*yfiB* short/long constructs	pME6032 with *yfiB* short/long linker alleles as *EcoRI-BglI* fragments	This study
pME-*yfiB* constructs	pME6032 with *yfiB* alleles as *Eco*RI-*Bgl*II fragments, containing single point mutations	This study
pME-*dsbA*	pME6032 with *dsbA* as *Eco*RI-*Kpn*I fragment	This study
pME3087	Tet^R, suicide vector for allelic replacement; *ColE1*-replicon, *IncP-1*, *Mob*	[7]
pME3087-Δ*dsbA*	pME3087 with *dsbA* deletion cassette as *Hind*III-*Bam*HI fragment	This study
pMR20	Tet^R, low copy number and broad host-range vector	[8]
pMR20-*yfiBNR*	pMR20 with *yfiBNR* as *Hind*III-*Bam*HI fragment	[2]
pMR20-*yfiR-M2*	pMR20 with *yfiR-flag* as *Hind*III-*Bam*HI fragment	[2]
pMR20-*yfiR-M2* - *constructs*	pMR20 with *yfiR-flag* alleles as *Hind*III-*Bam*HI fragments, containing single point mutations	This study
pMR20-*yfiRN-flag*	pMR20 with *yfiRN-flag* as *Hind*III-*Bam*HI fragment	This study
pUC18T-mini-Tn*7*T-Gm	Amp^R, Gm^R, Tn*7* insertion vector	[9]
pTn*7*-*yfiR-M2*	pUC18T-mini-Tn*7*T with *yfiR-flag* as *Hind*III-*Bam*HI fragment	[2]
pTn*7*-*yfiRN-flag*	pUC18T-mini-Tn*7*T with *yfiRN-flag* as *Hind*III-*Bam*HI fragment	This study
pTn*7*-*yfiBNR*	Vector for complementation of entire *yfiBNR* operon at Tn*7* locus	[2]
pTn*7*-*yfiBN-G173D-R*	Vector for complementation of *yfiBNR* operon with *yfiN* G173D mutation	This study
pTn*7*-*yfiBN-Δ255-7-R*	Vector for complementation of *yfiBNR* operon with *yfiN* Δ255-7 mutation	This study
pTn*7*-*yfiBN20265-R*	Vector for complementation of *yfiBNR* operon with SCV20265 *yfiN* allele	This study
pTNS2	Amp^R, helper plasmid for Tn*7* integration events	[9]
pFLP2	Amp^R, FRT cassette excision vector	[10]

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