Table S2 Bacterial strains and plasmids used in this work

Strains or plasmids	**Relevant characteristics**	**Reference or source**
E. coli strains		
DH5α	Φ80△*lacZM15 recA1 endA1 deoR*	Gibco BRL, Life Technologies
BL21(DE3)	F^- *ompT gal dcm lon hsdS*$_B$ (r^-_B m^-_B) λ(DE3)	Novagen
BL21/pET-32a-TfmR	BL21(DE3) harboring recombinant plasmid pET-32a-TfmR	This work
Xanthomonas oryzae pv. *oryzicola* trains		
GX01	Wild-type strain, isolated from Guangxi, China, Rif^r	Author's lab collection
Δ*tfmR*	As GX01, but XOCgx_1556 (*tfmR*) gene deleted, non-polar effect. Rif^r	This work
CΔ*tfmR*	Δ*tfmR* harboring the recombinant plasmid pKC*tfmR* Rif^r Kan^r	This work
GX01/TfmR::3×Flag	As GX01, but chromosomally encoding a 3×Flag fused TfmR protein. Rif^r	This work
Δ*tfmR*/pKG	Δ*tfmR* harboring the recombinant plasmid pKG. Rif^r Kan^r	This work
Δ*tfmR* /pXUK	Δ*tfmR* harboring the plasmid pXUK. Rif^r Kan^r	This work
Δ*tfmR* /pKX	Δ*tfmR* harboring the recombinant plasmid pKX. Rif^r Kan^r	This work
GX01/pGUS*rpfG*	GX01 harboring the reporter plasmid pGUS*rpfG*. Rif^r Tet^r	This work
GX01/pGUS*hrpG*	GX01 harboring the reporter plasmid pGUS*hrpG*. Rif^r Tet^r	This work
GX01/pGUS*hrpX*	GX01 harboring the reporter plasmid pGUS*hrpX*. Rif^r Tet^r	This work
Δ*tfmR*/pGUS*rpfG*	Δ*tfmR* harboring the reporter plasmid pGUS*rpfG*. Rif^r Tet^r	This work
Δ*tfmR*/pGUS*hrpG*	Δ*tfmR* harboring the reporter plasmid pGUS*hrpG*. Rif^r Tet^r	This work
Δ*tfmR*/pGUS*hrpX*	Δ*tfmR* harboring the reporter plasmid pGUS*hrpX*. Rif^r Tet^r	This work
ΔXOCgx_0458	As GX01, but XOCgx_0458 gene deleted, non-polar effect. Rif^r	This work
ΔXOCgx_1016	As GX01, but XOCgx_1016 gene deleted, non-polar effect. Rif^r	This work
ΔXOCgx_2380	As GX01, but XOCgx_2380 gene deleted, non-polar	This work

	effect. Rif^r	
ΔXOCgx_2451	As GX01, but XOCgx_2451 gene deleted, non-polar effect. Rif^r	This work
ΔXOCgx_2936	As GX01, but XOCgx_2936 gene deleted, non-polar effect. Rif^r	This work
ΔXOCgx_3699	As GX01, but XOCgx_3699 gene deleted, non-polar effect. Rif^r	This work
ΔXOCgx_3726	As GX01, but XOCgx_3726 gene deleted, non-polar effect. Rif^r	This work
ΔXOCgx_4067	As GX01, but XOCgx_4067 gene deleted, non-polar effect. Rif^r	This work
Plasmids		
pXUK	Adapted from an endogenous plasmid in Xoc strain GX01. Kan^r	[26]
pKC*tfmR*	pXUK cloned into a 606-bp DNA fragment containing the full-length *tfmR* gene of *Xoc* strain. Kan^r	This work
pKG	pXUK cloned into a 1137-bp DNA fragment containing the full-length *rpfG* gene of *Xoc* strain. Kan^r	This work
pKX	pXUK cloned into a 1431-bp DNA fragment containing the full-length *hrpX* gene of *Xoc* strain. Kan^r	This work
pRK2073	Helper plasmid, Tra$^+$, Mob$^+$, ColE1, Spc^r	[45]
pET-32a	Expression vector, allow the production of fusion proteins containing amino terminal thioredoxin-tagged and carboxyl-terminal 6×His-tagged sequences. Amp^r	Novagen
pET-32a-TfmR	pET-32a cloned into a 606-bp DNA fragment of the *tfmR* gene coding sequence.	This work
pK18*mobsacB*	pUC18 derivative, *lacZα*, *sacB*, Kan^r, *mob* site. Allelic exchange vector (Suicidal vector carrying *sacB* gene for mutagenesis)	[44]
pKΔ*tfmR*	pK18mobsacB containing upstream and downstream fragments of the *tfmR* coding region. Kan^r	This work
pGUS*rpfG*	pLAFR6 containing a *rpfG* promoter-*gusA* fusion fragment. Tet^r	This work
pGUS*hrpG*	pLAFR6 containing an *hrpG* promoter-*gusA* fusion fragment. Tet^r	This work
pGUS*hrpX*	pLAFR6 containing an *hrpX* promoter-*gusA* fusion fragment. Tet^r	This work
pKTfmR::Flag	pK18*mobsacB* containing fragment composing 606-bp TfmR-coding sequence, 66-bp 3×Flag-coding sequence sequence, 3-bp stop codon, 425-bp upstream of the *Xoc tfmR* and 309-bp downstream of the *Xoc tfmR*.	This work
pKΔXOCgx_0458	pK18mobsacB containing upstream and downstream fragments of the XOCgx_0458 coding region. Kan^r	This work
pKΔXOCgx_1016	pK18mobsacB containing upstream and downstream	This work

	fragments of the XOCgx_1016 coding region. Kan^r	
pKΔXOCgx_2380	pK18mobsacB containing upstream and downstream fragments of the XOCgx_2380 coding region. Kan^r	This work
pKΔXOCgx_2451	pK18mobsacB containing upstream and downstream fragments of the XOCgx_2451 coding region. Kan^r	This work
pKΔXOCgx_2936	pK18mobsacB containing upstream and downstream fragments of the XOCgx_2936 coding region. Kan^r	This work
pKΔXOCgx_3699	pK18mobsacB containing upstream and downstream fragments of the XOCgx_3699 coding region. Kan^r	This work
pKΔXOCgx_3726	pK18mobsacB containing upstream and downstream fragments of the XOCgx_3699 coding region. Kan^r	This work
pKΔXOCgx_4067	pK18mobsacB containing upstream and downstream fragments of the XOCgx_4067 coding region. Kan^r	This work

Rif^r, Kan^r, Tet^r, Amp^r, and Spc^r indicate resistance to rifampicin, kanamycin, tetracycline, ampicillin, and spectinomycin, respectively.

References

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