Table S1 Plasmids used in this study

Plasmid	Relevant characteristics	Reference
pHERD26T	pBAD-promoter, Tc^R, pRO-1600 *ori*, pBR322 *ori*, *oriT*	[1]
pHERD26T-*estA*	pHERD26T containing *estA* in EcoRI and XbaI	[2]
$pEstA_\beta$	pHERD26T containing the *estA* signal peptide and β-domain (W328-L636), E-epitope tag and SfiI sites comprising a pUC19 fragment	This study
$pEstA_\beta$-*estAP*	$pEstA_\beta$ containing EstA passenger domain (EstAP; P27-S325) in SfiI sites	This study
$pEstA_\beta$-*bla*	$pEstA_\beta$ containing *bla* in SfiI sites	This study
$pEstA_\beta$-*aiiA*	$pEstA_\beta$ containing $aiiA_{soil}$ in SfiI sites	This study
$pEstA_\beta$-*aiiB*	$pEstA_\beta$ containing *aiiB* in SfiI sites	This study
$pEstA_\beta$-*attM*	$pEstA_\beta$ containing *attM* in SfiI sites	This study
$pEstA_\beta$-*mCherry*	$pEstA_\beta$ containing *mCherry* in SfiI sites	This study
$pEstA_\beta$-*eGFP*	$pEstA_\beta$ containing *eGFP* in SfiI sites	This study
$pEstA_\beta$-*yEVenus*	$pEstA_\beta$ containing *yEVenus* in SfiI sites	This study
pEstA	pHERD26T containing the *estA* signal peptide and full length *estA* AT (V20-L636), E-epitope tag and SfiI sites comprising a pUC19 fragment	This study
pEstA-*bla*	pEstA containing *bla* in SfiI sites	This study
pEstA-*aiiA*	pEstA containing $aiiA_{soil}$ in SfiI sites	This study
pEstA-*aiiB*	pEstA containing *aiiB* in SfiI sites	This study
pEstA-*attM*	pEstA containing *attM* in SfiI sites	This study
pEstA-*mCherry*	pEstA containing *mCherry* in SfiI sites	This study
pEstA-*eGFP*	pEstA containing *eGFP* in SfiI sites	This study
pEstA-*yEVenus*	pEstA containing *yEVenus* in SfiI sites	This study
pEstA*	pEstA carrying S-A mutation in the catalytic triad of the EstA passenger domain	This study
pEstA*-*bla*	pEstA* containing *bla* in SfiI sites	This study
pEstA*-*aiiA*	pEstA* containing $aiiA_{soil}$ in SfiI sites	This study
pEstA*-*aiiB*	pEstA* containing *aiiB* in SfiI sites	This study
pEstA*-*attM*	pEstA* containing *attM* in SfiI sites	This study
pEstA*-*mCherry*	pEstA* containing *mCherry* in SfiI sites	This study
pEstA*-*eGFP*	pEstA* containing *eGFP* in SfiI sites	This study
pEstA*-*yEVenus*	pEstA* containing *yEVenus* in SfiI sites	This study
pRK2073	Sp^R, Tra+, Mob+, ColEl replicon	[3]
pUC19	Ap^R, ColEI replicon	[4]
pMIR101	$aiiA_{soil}$ containing vector, Km^R	[5]
pKT103	*yEVenus* containing vector, Km^R	[6]
pET28a-*mCherry*	*mCherry* containing vector, Km^R	[7]
pET28a-*eGFP*	*eGFP* containing vector, Km^R	[8]

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