S1 Table. Strains and plasmids used in this study

Strains	Genotype/ phenotype	Reference/ source
E. coli		
DH5α	*recA1 endA1 hsdR17 supE44 thi-1 gyrA96 relA1*D (*lacZYA-argF* U169 [ϕ80d*lacZDM15*] F^- Nal^r)	[1]
NCM631	*hsdS gal* λDE3:*lacI lacUV5:gen1*(T7 RNA polymerase) Δ*lac* linked to Tn10	[2]
P. putida		
KT2440	mt-2 *hsdR*1(r^- m^+)	[3]
IHF3	KT2440 mt-2 *hsdR*1(r^- m^+) *ihfA*::Km	[4]
KT2442	mt-2 *hsdR*1(r^- m^+) Rif^r	[5]
MPO401	mt-2 *hsdR*1 (r^- m^+) Rif^r *cbrB*::Km	[6]
MPO500	mt-2 *hsdR*1 (r^- m^+) Rif^r PP2812::pMO486. Km^r	This work
MPO504	mt-2 *hsdR*1 (r^- m^+) Rif^r PP2812::pMO486. FRT- Km excised	This work

Plasmids	Description	Reference/ source
pET-14b	Expression vector carrying an N-terminal His•Tag® sequence followed by a thrombin cleavage site and three cloning sites under T7 promoter. Ap^r	Novagen
pIZ227	pACYC184 containing lacIq and the T7 lisozyme gene. Cm^r	[2]
pMPO234	Broad-host-range trp–lacZ transcriptional fusion vector, based on pBBR1MCS-4. Ap^r	[7]
pMPO389	Promoter region of *crcY* (coord. positions -273 and +6) into *Sma*I /*BamHI in* pUC18Sfi. Ap^r	This work
pMPO420	Transcriptional fusion of PP2810::lacZ (coord. -472 to -10 from ATG) cloned as EcoRI/BamHI into plasmid pMPO234; Ap^r Cb^r	This work
pMPO422	Transcriptional fusion of PP2810::lacZ (coord. -408 to -10 from ATG) cloned as EcoRI/BamHI into the plasmid pMPO234. Contains a deletion of site F'; Ap^r Cb^r	This work
pMPO425	Substitution of site F1 of *PP2810* promoter (TaTTAa to gcggcg) in plasmid pMPO422. Ap^r Cb^r	This work
pMPO426	Substitution of site R1 of *PP2810* promoter (GTAACA to agcctc) in plasmid pMPO422. Ap^r Cb^r	This work
pMPO428	Substitution of site R2 of *PP2810* promoter (aTAAtg to gcggcg) in plasmid pMPO422. Ap^r Cb^r	This work

pMPO436	Substitution of site F1 of *crcZ* promoter (TGTTAC to gactct) in plasmid pMPO1316. Ap^r Cb^r	This work
pMPO437	Substitution of site R1 of *crcZ* promoter (GTAACA to tgctac) in plasmid pMPO1316. Ap^r Cb^r	This work
pMPO438	Substitution of site R2 of *crcZ* promoter (GTAACg to taccgt) in plasmid pMPO1316. Ap^r Cb^r	This work
pMPO439	Substitution of site F1 of *crcY* promoter (TGTTAC to gactct) in plasmid pMPO1314. Ap^r Cb^r	This work
pMPO440	Substitution of site R1 of *crcY* promoter (acAgCA to tgcgac) in plasmid pMPO1314. Ap^r Cb^r	This work
pMPO441	Substitution of site R' of *crcY* promoter (GTAACA to taccgt) in plasmid pMPO1314. Ap^r Cb^r	This work
pMPO442	Substitution of site R2 of *crcY* promoter (GaAACA to tctcat) in plasmid pMPO1314. Ap^r Cb^r	This work
pMPO486	Coding region of PP2812 (coord. + 123 to +657 from ATG) cloned as BamHI/EcoRI into pMPO1012. Km^r	This work
pMPO1012	Mobilizable expression vector, ColE1, Km^r. Modified from pFPV25 [8]	B. Mesa and A. Flores, unpublished
pMPO1229	Expression vector derived from pET14b based on pT7-7 to overproduce CbrBcloned as NdeI/BamHI.Ap^r	[6]
pMPO1314	Transcriptional fusion of *crcY::lacZ* (coord. -195 and -2 from TSS) in cloned as EcoRI/BamHI into plasmid pMPO234; Ap^r Cb^r	[6]
pMPO1316	Transcriptional fusion of *crcZ::lacZ* (coord. -298 and -1 from TSS) in cloned as EcoRI/BamHI into plasmid pMPO234; Ap^r Cb^r	[6]
pMPO1342	Promoter region of *PP2810* (coord. -394 to -144 from ATG) cloned as a *Sma*I /*Xba*I fragment into pUC18Sfi. Ap^r	This work
pMPO1343	Promoter region of *PP2810* (coord. -334 to -88 from ATG) cloned into *Xba*I/ *Sma*I pUC18Sfi.Ap^r	This work
pMRB117	Promoter sequence of *flgB* (coord. -450 to +128 to ATG) into pMRB3. Ap^r Cb^r	A. Leal and F. Govantes, unpublished
pUC18Sfi	Vector derived from pUC18 with *Sfi*I flanking MCS	[9]

References for supplementary tables

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