**Supplementary Table S1.** Strains and plasmids used in this study**.**

|  |  |  |
| --- | --- | --- |
|  Strains and plasmids | Relevant characteristics |  Source or reference |

*Pseudomonas aeruginosa*

 PAO1 PAO1 Nottingham wildtype Holloway collection

 PAO1∆*relA* PAO1 with 1908 bp deletion of *relA* This study

 PAO1∆*spoT* PAO1 with *res*-sites inserted into This study

 unique PstI site of *spoT*

 PAO1∆*relA*∆*spoT* PAO1 with complete deletion of This study

 *relA* and *res*-sites inserted into

 unique PstI site of *spoT*

 PAO1∆*ambB* PAO1 with 1698 bp deletion of This study

 *ambB*

 PAO1∆*pchEF pchEF* deletion mutant, pyochelin Ghysels *et al.*, 2004

 negative

 PAO1∆*pchABCDEF* PAO1∆*pchEF* with complete This study

 Deletion of *pchABCD*

 PAO1∆*lysA* PAO1 with complete deletion of *lysA* This studyPAO1∆*argH* PAO1 with complete deletion of *argH* This study

 PAO1∆*hisD* PAO1 with complete deletion of *hisD* This study

 PAO1∆*trpB* PAO1 with complete deletion of *trpB* This study

 PAO1∆*relA*[miniTn7] PAO1∆*relA* with unmarked mini-Tn7 This study

 insertion at *att*Tn7 site

 PAO1∆*relA*[*relA*] PAO1∆*relA* with *relA* This study

 complementation inserted at *att*Tn7 site

 PAO1∆*spoT*[miniTn7] PAO1∆*spoT* with unmarked mini-Tn7 This study

 insertion at *att*Tn7 site

 PAO1∆*spoT*[*spoT*] PAO1∆*spoT* with *spoT* This study

 complementation inserted at *att*Tn7 site

 PAO1∆*relA*∆*spoT* PAO1∆*relA*∆*spoT* with unmarked This study

 [miniTn7] mini-Tn7 insertion at *att*Tn7 site

 PAO1∆*relA*∆*spoT*[*spoT*] PAO1∆*relA*∆*spoT* with *spoT* This study

 complementation at *att*Tn7 site

 PAO1∆*relA*∆*spoT*[*relA*] PAO1∆*relA*∆*spoT* with *relA* This study

 complementation at *att*Tn7 site

 PAO1∆*relA*∆*spoT* PAO1∆*relA*∆*spoT* with unmarked This study

 [miniTn7][miniCTX2] mini-Tn7 insertion at *att*Tn7 site and

 miniCTX2 insertion at *attB* site

 PAO1∆*relA*∆*spoT* PAO1∆*relA*∆*spoT* with *spoT* This study

 [*relA*][*spoT*] complementation at *att*Tn7 site and

 *relA* complementation at *attB* site

 PAO1[*lacZ*] PAO1 *attB*::(mini-CTX-*lacZ*) Jagmann *et al*., 2016 PAO1[P*rhlR*-*lacZ*] PAO1 *attB*::(P*rhlR*-*lacZ*) Jagmann *et a*l., 2016

 PAO1[P*pqsA*-*lacZ*] PAO1 *attB*::(P*pqsA*-*lacZ*) Jagmann *et al*., 2016

 PAO1∆*relA*∆*spoT*[*lacZ*] PAO1∆*relA*∆*spoT* This study

 *attB*::(mini-CTX-*lacZ*)

 PAO1∆*relA*∆*spoT* PAO1∆*relA*∆*spoT* *attB*::(P*rhlR*-*lacZ*) This study

 [P*rhlR*-*lacZ*]

 PAO1∆*relA*∆*spoT* PAO1∆*relA*∆*spoT* *attB*::(P*pqsA*-*lacZ*) This study

 [P*pqsA*-*lacZ*]

*Aeromonas hydrophila*

 AH-1N AH-1N wildtype Swift *et al.*, 1999

 AH-1N∆*lacZ* AH-1N with complete deletion of Jagmann *et al*., 2016

 *lacZ*

*Escherichia coli*

 DH5a *recA1 endA1 hsdR17 thi-1* Sambrook and

*supE44 gyrA96 relA1 deoR* Russell, 2001

*Δ(lacZYA-argF) U196*

 (Φ80*lacZ*ΔM15)

 HB101 *thi*-1 *hsd* S20 (rB–, mB–) *sup*E44 Promega

*rec*A13 *ara*-14 *leu*B6 *pro*A2

*lac*Y1*rpsL*20 *(*strr) *xyl*-5 *mtl*-1

 *gal*K2

 Plasmids

 pEX18Ap Gene replacement vector, ApR, Hoang *et al.*, 1998

 *sacB*

 pEX18Ap[*relA*] pEX18Ap with *relA* deletion This study

 cassette as XbaI-HindIII fragment

 pEX18Ap[*spoT*::*Cm*] pEX18Ap carrying *spoT* with This study

 *res-cat-res* cassette from pKO2b

 inserted into unique PstI site of

 *spoT*

pEX18Ap[lysA] pEX18Ap with *lysA* deletion This study

 cassette as XbaI-HindIII fragment

 pEX18Ap[argH] pEX18Ap with *argH* deletion This study

 cassette as XbaI-HindIII fragment

pEX18Ap[hisD] pEX18Ap with *hisD* deletion This study

 cassette as XbaI-HindIII fragment

pEX18Ap[trpB] pEX18Ap with *trpB* deletion This study

 cassette as XbaI-HindIII fragment

 pKO2b pUC18Sfi containing a *res-cat-res* Klebensberger *et al.*,

 cassette, Apr, CmR 2009

 pRK2013 Helper plasmid for triparental Figurski and

 conjugation; IncP Tra+ KmR Helinski, 1979

 pFLP2 Source of Flp recombinase, ApR Becher and

 Schweizer, 2000

 pUCP24[*parA*] *parA* as EcoRI-HindIII fragment in Smits *et al.*, 2002

 pUCP24, GmR

 pUX-BF13 helper plasmid providing the Tn7 Bao et al., 1991

 transposition function in trans, ApR,

 mob+

 mini-CTX-*lacZ* cloning vector for transcriptional *lacZ* Becher and

 fusions, TcR Schweizer, 2000

 mini-CTX-*lacZ*[P*rhlR*] mini-CTX-*lacZ* with a 162 bp Jagmann *et al*., 2016

 fragment of the *rhlR* promoter

 mini-CTX-*lacZ*[P*pqsA*] mini-CTX-*lacZ* with 199 bp-fragment Jagmann *et al*., 2016

 of *pqsA* promoter region between

 BamHI and SalI

 pUC18T-mini-Tn7T-Gm suicide delivery plasmid for Choi and

 *P. aeruginosa* containing Schweizer, 2006

mini-Tn7 elements, GmR

 pUC18T[*relA*] pUC18T-mini-Tn7T-Gm with HindIII- This study

 BamHI fragment containing ORF

 and promoter region of *relA*

 pUC18T[spoT] pUC18T-mini-Tn7T-Gm with HindIII- This study

 BamHI fragment containing ORF

 and promoter region of *spoT*

 mini-CTX2 integration vector, TcR Hoang *et al.*, 2000

 mini-CTX2[*relA*] mini-CTX2 with BamHI-HindIII This study

 fragment containing ORF and

 promoter region of *relA*

pBBR1MCS5 Broad-host-range cloning vector, GmR Kovach *et al.*, 1995

 pBBR1[lysA] pBBR1MCS5 with HindIII-XbaI This study

 fragment containing the ORF of *lysA*

 pBBR1[argH] pBBR1MCS5 with HindIII-XbaI This study

 fragment containing the ORF of *argH*

 pBBR1[hisD] pBBR1MCS5 with HindIII-XbaI This study

 fragment containing the ORF of *hisD*

 pUCP18::*pqsE Escherichia–Pseudomonas* shuttle Rampioni *et al.*, 2010

 vector for *pqsE* complementation;

 ApR

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