

Table S2. Strains and Plasmids

Strain or plasmid	Relevant characteristics ^a	Source and/or reference
Strains		
<i>Burkholderia cenocepacia</i>		
K56-2	ET12 clone related to J2315, CF clinical Isolate	^b BCRRC, (1)
OME19	K56-2 pSCrhaB2; Tp ^R	(2)
OME37	K56-2 pOE12; BCAL3310 with C-terminus FLAG tag; Tet ^R	This study
OME40	K56-2 pOE13; BCAL3311 with C-terminus FLAG tag; Tet ^R	This study
OME60	K56-2, <i>P</i> _{BCAL3310} ::pGSVTp- <i>luxCDABE</i> ; Tp ^R	This study
OME61	K56-2, <i>P</i> _{BCAL3312-3311} ::pGSVTp- <i>luxCDABE</i> ; Tp ^R	This study
OME62	K56-2, ΔBCAL3311	This study
OME65	K56-2, ΔBCAL3310	This study
OME66	K56-2 pDA17; Tet ^R	This study
OME71	OME62 pSCrhaB2; Tp ^R	This study
OME72	OME62 pOE33 (BCAL3311); Tp ^R	This study
OME73	OME62 pOE34 (PA0423); Tp ^R	This study
OME74	OME62 pOE35 (PA4340); Tp ^R	This study
OME75	OME62 pOE36 (PA4345); Tp ^R	This study
OME76	OME62 pOE37 (Rv1890c); Tp ^R	This study
OME77	OME62 pOE38 (SAUSA300_2620); Tp ^R	This study
<i>Escherichia coli</i>		
DH5α	F ⁺ φ80 <i>lacZ</i> M15 <i>endA1 recA1 supE44 hsdR17</i> (r _K ⁻ m _K ⁺) <i>deoR thi-1 nupG supE44 gyrA96relA1</i> Δ(<i>lacZYA-argF</i>)U169, λ-	Laboratory stock
GT115	F ⁻ <i>mcrA</i> Δ(<i>mrr-hsdRMS-mcrBC</i>) φ80Δ <i>lacZ</i> ΔM15 Δ <i>lacX74 recA1 rpsL</i> (StrA) <i>endA1</i> Δ <i>dcm uidA</i> (ΔMluI):: <i>pir-116</i> Δ <i>sbcC-sbcD</i>	Invivogen, San Diego, CA
BL21	F ⁻ <i>dcm ompT hsdS</i> (r _B ⁻ m _B ⁻) <i>gal</i>	Novagen
<i>Pseudomonas aeruginosa</i>		
PAO1	Non-CF clinical isolate	(3)
Q502	CF clinical isolate	(4)
<i>Salmonella typhi</i>		
SARB63		(5)
<i>Shigella flexneri</i>		
SF51571	Serotype 1a, antigenic formula 1:4	Laboratory stock
<i>Acinetobacter</i> species		
<i>A. baumannii</i> (AB1)	Clinical isolate	LHSC ^c
<i>A. lwoffii</i> (AB2)	Clinical isolate	LHSC ^c
<i>A. junii</i> (AB3)	Clinical isolate	LHSC ^c

Klebsiella pneumoniae

Kpn18	Clinical isolate	Laboratory stock
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Staphylococcus aureus

USA300	Community acquired MRSA	Martin McGavin
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Plasmids

pRK2013	<i>ori_{colE1}</i> , RK2 derivative, Kan ^R , <i>mob</i> ⁺ , <i>tra</i> ⁺	(6)
pGSVTp- <i>lux</i>	Mobilizable suicide vector containing <i>lux</i> operon, derivative from pGSV3- <i>lux</i> (7); OriT; Tp ^R	(8)
pSCrhaB2	<i>ori_{pBBR1}</i> <i>rhaR</i> , <i>rhaS</i> , <i>P_{rhaB}</i> Tp ^R <i>mob</i> ⁺	(9)
pDAI-SceI-SacB	<i>ori_{pBBR1}</i> , Tet ^R , <i>P_{dhfr}</i> , <i>mob</i> ⁺ , expressing I-SceI, SacB	(10)
pGPI-SceI	<i>ori_{R6K}</i> , ΩTp ^R , <i>mob</i> ⁺ , including an I-SceI restriction site	(11)
pDA17	<i>ori_{pBBR1}</i> , Tet ^R , <i>mob</i> ⁺ , <i>P_{dhfr}</i> , FLAG epitope	D. Aubert, unpublished
pOE12	pDA17, BCAL3310, C-terminus FLAG, Tet ^R	This study
pOE13	pDA17, BCAL3311, C-terminus FLAG, Tet ^R	This study
pOE15	BCAL3310 without signal peptide encoding sequence cloned in pET28a(+)	(2)
pOE16	BCAL3311 without signal peptide encoding sequence cloned in pET28a(+)	(2)
pOE22	<i>P_{BCAL3310::luxCDABE}</i> transcriptional fusion in pGSVTp- <i>lux</i> , Tp ^R	This study
pOE23	<i>P_{BCAL3312-3311::luxCDABE}</i> transcriptional fusion in pGSVTp- <i>lux</i> , Tp ^R	This study
pOE25	pGPI-SceI with fragments flanking BCAL3310, Tp ^R	This study
pOE26	pGPI-SceI with fragments flanking BCAL3311, Tp ^R	This study
pOE33	pSCrhaB2, BCAL3311, Tp ^R	This study
pOE34	pSCrhaB2, PA0423, Tp ^R	This study
pOE35	pSCrhaB2, PA4340, Tp ^R	This study
pOE36	pSCrhaB2, PA4345, Tp ^R	This study
pOE37	pSCrhaB2, Rv1890c, Tp ^R	This study
pOE38	pSCrhaB2, SAUSA300_2620, Tp ^R	This study
pOE39	pOE16, D82A	This study
pOE41	pOE16, D93A	This study
pOE46	pOE39, D93A	This study

^aTp^R, trimethoprim resistance, Kan^R, kanamycin resistance, Tet^R, tetracycline resistance.

^bBCRRC, *B. cepacia* Research and Referral Repository for Canadian CF Clinics.

^cLHSC, London Health Science Centre, London, Ontario, Canada.

TABLE REFERENCES

1. Mahenthalingam E, Coenye T, Chung JW, Speert DP, Govan JR, Taylor P, Vandamme P. 2000. Diagnostically and experimentally useful panel of strains from the *Burkholderia cepacia* complex. J. Clin. Microbiol. **38**:910-913.

2. **El-Halfawy OM, Valvano MA.** 2013. Chemical communication of antibiotic resistance by a highly resistant subpopulation of bacterial cells. *PLoS One* **8**:e68874.
3. **Holloway BW.** 1955. Genetic recombination in *Pseudomonas aeruginosa*. *J Gen Microbiol* **13**:572-581.
4. **Camper N, Glasgow AM, Osbourn M, Quinn DJ, Small DM, McLean DT, Lundy FT, Elborn JS, McNally P, Ingram RJ, Weldon S, Taggart CC.** 2016. A secretory leukocyte protease inhibitor variant with improved activity against lung infection. *Mucosal Immunol* **9**:669-676.
5. **Boyd EF, Wang FS, Beltran P, Plock SA, Nelson K, Selander RK.** 1993. *Salmonella* reference collection B (SARB): strains of 37 serovars of subspecies I. *J Gen Microbiol* **139 Pt 6**:1125-1132.
6. **Figurski DH, Helinski DR.** 1979. Replication of an origin-containing derivative of plasmid RK2 dependent on a plasmid function provided in *trans*. *Proc Natl Acad Sci USA* **76**:1648-1652.
7. **Moore RA, Reckseidler-Zenteno S, Kim H, Nierman W, Yu Y, Tuanyok A, Warawa J, DeShazer D, Woods DE.** 2004. Contribution of gene loss to the pathogenic evolution of *Burkholderia pseudomallei* and *Burkholderia mallei*. *Infect Immun* **72**:4172-4187.
8. **Bernier SP, Nguyen DT, Sokol PA.** 2008. A LysR-type transcriptional regulator in *Burkholderia cenocepacia* influences colony morphology and virulence. *Infect Immun* **76**:38-47.
9. **Cardona ST, Valvano MA.** 2005. An expression vector containing a rhamnose-inducible promoter provides tightly regulated gene expression in *Burkholderia cenocepacia*. *Plasmid* **54**:219-228.
10. **Hamad MA, Skeldon AM, Valvano MA.** 2010. Construction of aminoglycoside-sensitive *Burkholderia cenocepacia* strains for use in studies of intracellular bacteria with the gentamicin protection assay. *Appl Environ Microbiol* **76**:3170-3176.
11. **Flannagan RS, Linn T, Valvano MA.** 2008. A system for the construction of targeted unmarked gene deletions in the genus *Burkholderia*. *Environ. Microbiol.* **10**:1652-1660.