

Table S2. Strains and Plasmids

Strain or plasmid	Relevant characteristics ^a	Source and/or reference
Strains		
<i>Burkholderia cenocepacia</i>		
CP706-J	CF clinical isolate	Cleveland
K56-2	ET12 clone related to J2315, CF clinical Isolate	^b BCRRC,[1]
$\Delta cciI$	Deletion of <i>cciI</i> in K56-2	[2]
$\Delta cepI$	Deletion of <i>cepI</i> in K56-2	[2]
$\Delta rpfF$	Deletion of <i>rpfF</i> in K56-2	[2]
$\Delta rpoE$	SAL65, Deletion of <i>rpoE</i> in K56-2	S. Loutet
$\Delta hldA$	Deletion of <i>hldA</i> in K56-2	[3]
$\Delta arnBC$	K56-2 $\Delta Prha$ - <i>arnT</i> $\Delta arnBC$ $\Delta amrAB$, suppressor strain	[4]
$\Delta BCAL3390$	OME2, Deletion of <i>BCAL3390</i> in K56-2	This study
$\Delta BCAM2086$	OME3, Deletion of <i>BCAM2086</i> in K56-2	This study
$\Delta yceI$	OME4, Deletion of <i>yceI</i> (<i>BCAL3310</i> and <i>BCAL3311</i>)in K56-2	This study
$\Delta BCAM1679$	OME5, Deletion of <i>BCAM1679</i> in K56-2	This study
$\Delta BCAL3390\Delta BCAM2086$	OME7, Deletion of <i>BCAM2086</i> in K56-2 $\Delta BCAL3390$	This study
$\Delta BCAL1281$	OME8, Deletion of <i>BCAL1281</i> in K56-2	This study
$\Delta BCAL2641$	OME11, Deletion of <i>BCAL2641</i> in K56-2	This study
$\Delta BCAM1111\Delta BCAM1112$	OME12, Deletion of <i>BCAM1111</i> and <i>BCAM1112</i> in K56-2	This study
K56-2 pSCrhaB2	OME19, K56-2 carrying pSCrhaB2, Tp ^R	This study
$\Delta yceI$ pSCrhaB2	OME20, K56-2 $\Delta yceI$ carrying pSCrhaB2, Tp ^R	This study
$\Delta yceIpyceI$	OME21, K56-2 $\Delta yceI$ carrying <i>yceI</i> cloned into pSCrhaB2, Tp ^R	This study
$\Delta amrAB$	OME29, Deletion of <i>amrAB</i> in K56-2	This study
$\Delta BCAL2641\Delta amrAB$	OME30, Deletion of <i>amrAB</i> in K56-2 $\Delta BCAL2641$	This study
$\Delta amrAB::BCAL2641^+$	OME31, Chromosomal <i>BCAL2641</i> integration in <i>amrAB</i> locus in K56-2 $\Delta BCAL2641$	This study
<i>Escherichia coli</i>		
DH5 α	F- ϕ 80 <i>lacZ</i> M15 <i>endA1 recA1 supE44 hsdR17</i> (Γ_K m_K^+) <i>deoR thi-1 nupG supE44 gyrA96relA1</i> Δ (<i>lacZYA-argF</i>) <i>U169</i> , λ -	Laboratory stock
GT115	F- <i>mcrAD</i> (<i>mrr-hsdRMS-mcrBC</i>) ϕ 80 <i>lacZ</i> Δ M15 Δ <i>lacX74</i> <i>recA1rpsL</i> (StrA) <i>endA1</i> Δ <i>dcm uidA</i> (Δ MluI):: <i>pir-116</i> <i>AsbcC-sbcD</i>	Invivogen, San Diego, CA
HB101	F- <i>mcrBmrrhsdS20</i> (rB-mB-) <i>recA13 leuB6 ara-14 proA2</i> <i>lacY1 galK2xyl-5 mtl-1 rpsL20</i> (Sm ^R) <i>glnV44</i> λ -	Laboratory Stock
SY327	<i>araD</i> Δ (<i>lac pro</i>) <i>argE</i> (Am) <i>recA56 rifr nalA</i> , λ <i>pir</i>	[5]
BL21	F- <i>dcm ompT hsdS</i> (Γ_B - m_B -) <i>gal</i>	Novagen
<i>Pseudomonas aeruginosa</i>		
PAO1	Non-CF clinical isolate	[6]
Plasmids		
pDAI-SceI-SacB	<i>ori</i> _{pBBR1} , Tet ^R , <i>P_{dhfr}</i> , <i>mob</i> ⁺ , expressing I-SceI, SacB	[7]
pGPI-SceI	<i>ori</i> _{R6K} , Ω Tp ^R , <i>mob</i> ⁺ , including an I-SceI restriction site	[3]
pMH447	pGPI-SceI derivative used for chromosomal complementation allowing gene integration in the gentamicin efflux pump	[4]
pRK2013	<i>ori</i> _{colE1} , RK2 derivative, Kan ^R , <i>mob</i> ⁺ , <i>tra</i> ⁺	[8]
pDelBCAL3390	pOE2, pGPI-SceI with fragments flanking <i>BCAL3390</i>	This study
pDelBCAM2086	pOE3, pGPI-SceI with fragments flanking <i>BCAM2086</i>	This study
pDelyceI	pOE4, pGPI-SceI with fragments flanking <i>BCAL3310</i> and <i>BCAL3311</i>	This study
pDelBCAL1281	pOE5, pGPI-SceI with fragments flanking <i>BCAL1281</i>	This study
pDelBCAM1679	pGPI-SceI with fragments flanking <i>BCAM1679</i>	[9]
pDelBCAL2641	pOE6, pGPI-SceI with fragments flanking <i>BCAL2641</i>	This study
pDelBCAM1111	pOE7, pGPI-SceI with fragments flanking <i>BCAM1111</i> and <i>BCAM1112</i>	This study
pSCrhaB2	<i>ori</i> _{pBBR1} <i>rhaR</i> , <i>rhaS</i> , <i>P_{rhaB}</i> Tp ^R <i>mob</i> ⁺	[10]
<i>pyceI</i>	pOE8, <i>yceI</i> cloned in pSCRha-B2	This study
pBCAL2641	pOE9, <i>BCAL2641</i> cloned in pMH447 for chromosomal complementation	This study
pET28a(+)		Novagen
pExpBCAL3310	pOE15, <i>BCAL3310</i> without signal peptide encoding sequence cloned in pET28a(+)	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.

1. Mahenthiralingam E, Coenye T, Chung JW, Speert DP, Govan JR, et al. (2000) Diagnostically and experimentally useful panel of strains from the *Burkholderia cepacia* complex. *J Clin Microbiol* 38: 910-913.
2. Aubert DF, O'Grady EP, Hamad MA, Sokol PA, Valvano MA (2013) The *Burkholderia cenocepacia* sensor kinase hybrid AtsR is a global regulator modulating quorum-sensing signalling. *Environ Microbiol* 15: 372-385.
3. 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.
4. Hamad MA, Di Lorenzo F, Molinaro A, Valvano MA (2012) Aminoarabinose is essential for lipopolysaccharide export and intrinsic antimicrobial peptide resistance in *Burkholderia cenocepacia*. *Mol Microbiol* 85: 962-974.
5. Miller VL, Mekalanos JJ (1988) A novel suicide vector and its use in construction of insertion mutations: osmoregulation of outer membrane proteins and virulence determinants in *Vibrio cholerae* requires toxR. *J Bacteriol* 170: 2575-2583.
6. Holloway BW (1955) Genetic recombination in *Pseudomonas aeruginosa*. *J Gen Microbiol* 13: 572-581.
7. 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.
8. 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 U S A* 76: 1648-1652.
9. Tolman JS, Valvano MA (2012) Global changes in gene expression by the opportunistic pathogen *Burkholderia cenocepacia* in response to internalization by murine macrophages. *BMC Genomics* 13: 63.
10. 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.