

Strain
<i>E. coli</i>
<i>E. coli</i> DH5 α
<i>E. coli</i> S17-1
<i>Pseudomonas aeruginosa</i>
PA14 wt
PA14 <i>tnl</i> dcC
PA14 <i>tn</i> prmC
PA14 Δ lysA Δ argB
PA14 <i>tn</i> pqsA
Plasmid
pUCP20::EV
pUCP20:: <i>prm</i> C
pUCP20:: <i>dnr</i>
pEX18Ap:: <i>lys</i> A_KO
pEX18Ap:: <i>arg</i> B_KO
Primer
<i>dnr</i> _KpnI_fw
<i>dnr</i> _BamHI_rev
PA14lysAUpFEcoRI
PA14lysAUpR
PA14lysADoF
PA14lysADoRHindI
PA14argBUpFEcoRI
PA14argBUpR
PA14argBDwF
PA14argBDwRHindI

References

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Description
<i>... endA1 gln V44 thi-1 recA1 telA1 gyr A96 deoK napG Φ800lacZ ΔM15 Δ(lacZYA-argF) U169, hsdR 17 (T_K...</i>
C600::RP-4 2-(Tc::Mu) (Kn::Tn7) <i>thi</i> , <i>pro</i> , <i>hsdR</i> , <i>hsdM</i> + <i>recA</i>
PA14 reference strain
<i>ldcC</i> transposon mutant from the NR PA14 transposon mutant library; ID 53448; Gm ^R
<i>prmC</i> transposon mutant from the NR PA14 transposon mutant library; ID 46240; Gm ^R
PA14 wt with in frame <i>lysA</i> and <i>argB</i> double deletion
<i>pqsA</i> transposon mutant from the NR PA14 transposon mutant library; ID 23621; Gm ^R
<i>Escherichia/Pseudomonas</i> empty shuttle vector with beta-lactamase (<i>bla</i>) and LacZ alpha peptide (<i>lacZ</i> ...
pUCP20 containing PA14 <i>prmC</i> cloned into the EcoRI/SacI site
pUCP20 containing PA14 <i>dnr</i> cloned into the KpnI/BamHI site
pEX18Ap with <i>lysA</i> knockout allele from PA14 wt as Eco RI/ <i>Hin</i> dIII fragment
pEX18Ap with <i>argB</i> knockout allele from PA14 wt as Eco RI/ <i>Hin</i> dIII fragment
CGGGGTACCAGGAGGTGCGTGATGGAATTCCAGCGCGTCCA
CGCGGATCCTCACTCGAAGCACTCCAGGCGTT
CGGAATTCCTCCAGGTCGAGATCCAGGTCGCT
GGCGCTCGAGGGATCCGGGCGCTCTCTCAGAAACCG
GAGAGAGCGCCCGGATCCCTCGAGCGCCTGCTCGGG
CCCAAGCTTCGCCGCGTAGAGCTCTTGGA
CGGAATTCGCCACGTGTTCTTCAAGGAGC
CCAGCAGCACGGGATCCCCGTACTTGATCACCAGCGTCTT
TCAAGTACGGGGATCCCGTGCTGCTGGAAATCTTCACC
CCCAAGCTTCTGCTGGAGCAGGAAAGCAC

a. Gm^R: gentamycin resistant; Ap^R: ampicillin resistant; Cb^R: carbenicillin resistant. b. Restriction sites are

Woodcock, D.M., et al., *Quantitative evaluation of Escherichia coli host strains for tolerance to cytosine methylation*
 Simon, R., U. Priefer, and A. Puhler, *A Broad Host Range Mobilization System for In Vivo Genetic Engineering: The pUC19 Shuttle Vector*
 Liberati, N.T., et al., *An ordered, nonredundant library of Pseudomonas aeruginosa strain PA14 transposon insertions*
 West, S.E., A.K. Sample, and L.J. Runyen-Janecky, *The vfr gene product, required for Pseudomonas aeruginosa virulence*
 Pustelny, C., et al., *The peptide chain release factor methyltransferase PrmC is essential for pathogenicity and*

Reference
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