

TABLE 2S : Primers used in this study.

Target gene	Primer name	Sequence
Primers used to generate deletion mutants in different <i>E. coli</i> strains		
<i>yhjL</i> (= <i>bcsC</i>)	yhjL.500-5	ATGAGAAAGACAAAGGCTGG
	yhjL.500-3	AATGCTGGCAAGAATAGCTTCCG
	yhjL.KmGB.L-3	GATTTTGAGACACAACGTGGCTTTCGACGGCCAGACCAGGGAAAGCGGA
	YhjL.KmGB.L-5	CTTCACGAGGCAGACCTCAGCGCCTAAGTTTTCAGATAGCGCCTC
	yhjL.apra.L-3	CAGCCTGCGCGAGCAGGGGACATGACGGCCAGACCAGGGAAAGCGGA
	yhjL.apra.L-5	CTGATTGCTGGGGCAACACGTAAGTTTTCAGATAGCGCCTC
	yhjL.ext-5	GAAACCAATCAACGTTTATTGC
	yhjL.ext-3	TAAGTAAATGGTCACTAACG
<i>yhjO-L</i> (= <i>bcsA-C</i>)	yhjO.500-5	GCTGGCAATCGTCAATGTGG
	yhjO.KmGB.L-3	GATTTTGAGACACAACGTGGCTTTCAGAAACAGCCGAGCGTCC
	yhjO.ext5	TTTTGGTCAGTTATCCATTG
<i>yhjSTU</i> (= <i>bcsE-G</i>)	yhjS.500-5	GTACGGCCATTCACCAATCC
	yhjU.500-3	CACTACCAGTCTGGAGTCAG
	yhjS.KmGB.L-3	GATTTTGAGACACAACGTGGCTTTCGTCACCATTTTGTCTGATTA
	yhjU.KmGB.L-5	CTTCACGAGGCAGACCTCAGCGCCTAAGAACGAAAAAGGCCGCGAG
	yhjS-ext5	AATGCGGCGGTGATGGTTGTTG
	yhjU-ext3	GAAGTCGAATACGCAGTATG
<i>csgD</i>	csgD.500-5	CACCAGACAGTCATTCTTCTTG
	csgD.500-3	CTTAATGGCGAAATAAGCATGAG
	csgD.Aad7.L-3	GTATTTATTCGGCGCAATTCGATGATGAAACCCCGCTTTTTTTTATTG
	csgD.Aad7.Lnp-5	CTGCTTGGTGCCAGCCAATGAGTAAAAAACCGGACACAAGCGGTTTC
	csgD.ext-5	CACGTAAATACGCTGTTATCTAC
	csgD.ext-3	CGGAAGTGGAAAGTCATGGTTC
<i>yaiC</i> (= <i>adrA</i>)	yaiC.500-5	TTAGCAACCAGACTTAATGG
	yaiC.500-3	CTCCCGCACTGGTTAATGCC
	yaiC.Aad7.L-3	GTATTTATTCGGCGCAATTCGATTCAGAAACAATTTTCCCAAAT
	yaiC.Aad7.Lnp-5	CTGCTTGGTGCCAGCCAATGAGTAAGCGCTTTACAAAGCAAAGAAA
	yaiC.ext5	TCTGGGGCTGAAATAAAACC
	yaiC.ext3	TCTCTGGTCGTTCTATTGC
<i>yehV</i> (= <i>mlrA</i>)	yehV.500-5	AGCCACCGACGACCGGACCGC
	yehV.500-3	TTACGGTGTGCTGCCCGTCC
	yehV.apra.L-3	CAGCCTGCGCGAGCAGGGGACATCGTCTCACCCCTTGCTCGC
	yehV.apra.L-5	CTGATTGCTGGGGCAACACGTAATGATTCGTTAACAAATGCG
	yehV.ext5	GATCATGCAACTTAACGCGG
	yehV.ext3	TTTCGCCCACTGGTGGAAC
<i>yedQ</i>	yedQ.500-5	GTTTTAAATCTGATTCTTGG
	yedQ.500-3	ATGCAACCATCGCCGAATGGACG
	yedQ.zeo.L-3	GTCAACACGTGCTCGGATCCAGCCTGACGACTCCCAACCTGCT
	yedQ.zeo.Lnp-5	CACCTTCGTGGCCGAGGAGCAGGACTGAATCTCGCTAAACAGGCTGGGCG
	yedQ-ext5	ATTGTGGTACATGGAATTGC
	yedQ-ext3	GGTATTAGCCATGGCGAAATCA
	yedQ.uidA-zeo.L-3	GTTGGGGTTTTCTACAGGACGTAACATCCTGACGACTCCCAACCTGCTT
<i>rpoS</i>	rpoS.KmGB.500-5	GTTGCCGAACAACAAGCCAACCTG
	rpoS.KmGB.500-3	CTACTGCGGCGGTAGTGATTTTG
	rpoS.KmGB.L-3	GATTTTGAGACACAACGTGGCTTTCATAAGGTGGCTCCTACCCG
	rpoS.KmGB.L-5	TGCTCGATGAGTTTTTCTAAGTAAGCATCTGTCAGAAA
	rpoS.KmGB.ext-5	TCGCAACCGACAATTACGTATTC
	rpoS.KmGB.ext-3	CGCGGCTGGAGCTTACAACAC
Primers used for the multiplex PCR		
	cell.1-3	GGTTTCCAGCAATAAACGTTG
	cell.1-5	CTGCTGGATATCTGAAGCTCG
	cell.2-3	GCACAAATCCAGAATAGTTTTTC
	cell.3-5	CCTTTTTTCATGATTTAGCATTC
	cell.4-3	CAATTAGATGATTCTCAAGG
	cell.4-5	CABACGTTGTCATTACACACAGG

yhjO.int3	TACAGGTTTTTATGTTCTGC
Primers used to check the mutation by PCR : verification primers on the inserted resistance markers	
KmGB.verif-5	TGGCTCCCTCACTTTCTGGC
KmGB.verif-3	ATATGGCTCATAACACCCCTTG
Zeo.verif-5	CAGGTGGTGCCGGACAACACCC
Zeo.verif-3	CCGCGCTGATGAACAGGGTCAC
Apra.verif-5	GGGACACGATGCCAACACGACGCTG
Apra.verif-3	GAATGTGTCAGAGACAAC'TCCAAGG
spec.verif-5	CCGATACTCTGAAGCTATGGAACTC
spec.verif-3	ACAAATGCACGGCCAGCAAC
uidA-zeo.verif-5	CAGGTGGTGCCGGACAACACCC
uidA-zeo.verif-3	CCGCGCTGATGAACAGGGTCAC
Primers used for sequence determination by arbitrary PCR	
Arbitrary primer ARB1	GGCCACGCGTCGACTAGTACNNNNNNNNNGATAT
Arbitrary primer ARB6	GGCCACGCGTCGACTAGTACNNNNNNNNNACGCC
ARB2	GGCCACGCGTCGACTAGTAC
IR2	CTGACCGCTTCCTCGTGCTTTACGG
IR2-60-5	TTCTGAGCGGGACTCTGGGGTACG
Primers used for plasmid construction (see Materials and Methods)	
pZE12- <i>yedQ</i>	yedQ-KpnI AAAGGTACCGCATGCAGCACGAGACAAAAATGGA
	yedQ-HindIII TCCGAAGCTTAAGCGTTATCGCTCG
pZE12- <i>adrA</i>	yaiC-KpnI AAAGGTACCATGTTCCCAAAAATAATGAA
	yaiC-HindIII TCCGAAGCTTTCAGGCCGCCACTTCGGTGC
pZE12- <i>yedQ_{guaef}</i>	FspI-GAEEF-5 TGCGTGCGCAGGACGTTGCCGGCGGGTCCGGTGCTGCGGAGTTTTGTGTGATTCTGCCA
	FspI-GAEEF-3 GAGCGTGACACCACGATGCC
pZE1Pr- <i>adrA</i>	yaiC-BbsI CTTGAAGACAGAACAGCAAGTCTGCGCCTGG
	yaiC-HindIII TCCGAAGCTTTCAGGCCGCCACTTCGGTGC
pRSpyedQ:: <i>lacZ</i>	pyedQ-EcoRI CGGGAATTCGGGGTCAAGCGGGAAGCTTTTC
	pyedQ-BamHI GGAGGATCCTGACGACTCCCAACCTGC
pRSpadrA:: <i>lacZ</i>	pyaiC-EcoRI CCAGAATTCACAGAACAGCAAGTCTGC
	pyaiC-BamHI ATCGGATCCTCAGAAACAATTTTCCCAAATTATAG