

Table S2. Primers used in the study

Primer	Sequence (5'-3') ^a	Comment
<i>Primers for making transformation constructs</i>		
lytA-UpFr	tgaccttggccttctctct	
lytA-UpRe-ermCassOH	TGCAAGTCACACGAACACGAAattctactcctatcaattaaaac	Non-annealing overhang (OH) seq complimentary to 5'-end of <i>ermB</i> cassette
lytA-DoFr-ermCassOH	CTCGTCTTAATCAGCAACATtaatggaatgtcttcaaadc	OH seq complimentary to 3'-end of <i>ermB</i> cassette
lytA-DoRe	tctctgattctcaaccatc	
fakB3-UpFr	tctctttctccttttctct	
fakB3-UpRe-ermCassOH	GCAAGTCACACGAACACGAAagaattctccatcttctgacg	OH seq complimentary to 5'-end of <i>ermB</i> cassette
fakB3-DoFr-ermCassOH	CTCGTCTTAATCAGCAACATtgcatcttgacaagaggt	OH seq complimentary to 3'-end of <i>ermB</i> cassette
fakB3-DoRe	tagggtcacatcgccagaga	
fakB3-Orf-UpRe-ermCassOH	TGCAAGTCACACGAACACGAAttaatcaattcatagccca	OH seq complimentary to 5'-end of <i>ermB</i> cassette
fakB1-UpFr	ccacaaaattagtaatatcc	
fakB1-UpRev-kanCassOH	TGCAAGTCACACGAACACGAAattagaactccaaattaattctct	OH seq complimentary to 5'-end of <i>kan</i> cassette
fakB1-DoFrw-kanCassOH	TGCTCGTCTTAATCAGCAACATttggcgctctaggctagttaag	OH seq complimentary to 3'-end of <i>kan</i> cassette
fakB1-UpRe-ermOrfOH	GAGAATATTTTATATTTTGTTCATattagaactccaaattaattc	OH seq complimentary to 5'-end of <i>ermB</i> Orf
fakB1-DoFr-ermOrfOH	CTATTATTTAACGGGAGGAAATAAttggcgctctaggctagttaag	OH seq complimentary to 3'-end of <i>ermB</i> Orf
fakB1-DoRe	tccacattgggaaatatttg	
fakB2-UpFr	aacacgagaaacaataaaaac	
fakB2-UpRe-spcCassOH	TGCAAGTCACACGAACACGAAagtatcaatcttctatttagg	OH seq complimentary to 5'-end of <i>spcR</i> cassette
fakB2-DoFr-spcCassOH	TGCTCGTCTTAATCAGCAACATAaaataaataaaattggaagaaat	OH seq complimentary to 3'-end of <i>spcR</i> cassette
fakB2-DoRe	cttcaactatctgttgattttc	
fakB2-UpRe-tetOrfOH	TTTTCATGTGATTTTCCTCCATagtatcaatcttctatttagg	OH seq complimentary to 5'-end of <i>tetM</i> Orf
fakB2-DoFr-tetOrfOH	TGTTCAATAAAATAACTTAGaaaataaataaaattggaagaaatagc	OH seq complimentary to 3'-end of <i>tetM</i> Orf
fabT-UpFr	tcaagcaaatagccaaacct	
fabT-UpRe-ermOrf-OH	GAGAATATTTTATATTTTGTTCATtttcatatccctcctctt	OH seq complimentary to 5'-end of <i>ermB</i> Orf
fabT-DoFr-ermOrf-OH	CTATTATTTAACGGGAGGAAATAAttggctttgcaaaaataagtcag	OH seq complimentary to 3'-end of <i>ermB</i> Orf
fabT-DoRe	ctgaaatggagaatgcaaac	

Primer	Sequence (5'-3') ^a	Comment
fabTOrf-UpRe-ermOrf-OH	TGAGAATATTTTATATTTTGTTCAttatttcaaatcctccaaaattgg	OH seq complimentary to 5'-end of <i>ermB</i> Orf
SP0743-UpFr	caacttcaccaccagcagat	
SP0743-UpRe-ErmCass-OH	GCAAGTCACACGAACACGAAaacattttcttctactgtca	OH seq complimentary to 5'-end of <i>ermB</i> cassette
SP0743-DoFr-ErmCass-OH	CTCGTCTTAATCAGCAACATagaaaaaggagaaaagagatga	OH seq complimentary to 3'-end of <i>ermB</i> cassette
SP0743-DoRe	gatcagcctcttaagagct	
SP0741-UpFr	tgtctttgaagaagtgtt	
SP0741-UpRe-ermCass-OH	TCGTCTTAATCAGCAACATagctctattgtaccacaa	OH seq complimentary to 5'-end of <i>ermB</i> cassette
SP0741-DoFr-ermCass-OH	AGTCACACGAACACGAAagattaaggtgtgaaga	OH seq complimentary to 3'-end of <i>ermB</i> cassette
SP0741-DoRe	atgcagaataaataggcta	
SP0740-UpFr	actttggttgcaggctct	
SP0740-UpRe-ermCass-OH	GCTCGTCTTAATCAGCAACATtcttcacaaccttaacttta	OH seq complimentary to 5'-end of <i>ermB</i> cassette
SP0740-DoFr-ermCass-OH	GCAAGTCACACGAACACGAAaaaataggctaggaattccta	OH seq complimentary to 3'-end of <i>ermB</i> cassette
SP0740-DoRe	acatctggataccttgatttc	
<i>Primers used to construct antibiotic resistance cassettes</i>		
pSp72-Fr	ttctatgagtcgctttttaa	
pSp72-Re	gtaatcactcctcttaattac	
kanOrf-Fr-pSp72-OH	GTAATTAAGAAGGAGTGATTACatggctaaaatgagaatatca	
kanOrf-Re-pSp72-OH	ATTTACAAAAGCGACTCATAGAActaaaacaattcatccagtaa	
spcOrf-Fr-pSp72-OH	GTAATTAAGAAGGAGTGATTACatgaatacatacgaacaatta	
spectOrf-Re-pSp72-OH	ATTTACAAAAGCGACTCATAGAActataatttttaactgttattta	
<i>Primers used to amplify antibiotic resistance Orfs or cassettes</i>		
AbCass-Fr	ttcgtgtcgtgacttgca	
AbCass-Re	atgttgctgattaagacgagca	
ErmOrf-Fr	atgaacaaaaatataaaaatattctc	
ErmOrf-Re	ttatttctcccgttaataatag	
KanOrf-Fr	atggctaaaatgagaatatca	
KanOrf-Re	ctaaaacaattcatccagtaaaa	
TetOrf-Fr	atggaggaaaatcacatgaaaa	
TetOrf-Re	ctaagttattttattgaacatatatc	

Primer	Sequence (5'-3') ^a	Comment
<i>Primers used to produce amplicons for sequencing of transformants</i>		
lytUpFr-seq	atgagttcaattgtatctatc	
lytDoRe-seq	cattcctcaatctatataaca	
fakB3-UpFr-seq	gaatcgcgcccacttttagcac	
fakB3-DoRe-seq	ctttgacaaaagctagacatgc	
fakB1-UpFr-seq	tacaataccacaggtgatggt	
fakB1-DoRe-seq	cttgctgaatggactctcga	
fakB2-UpFr-seq	cttccgaggtcatcattaatc	
fakB2-DoRe-seq	agtatagcatgttccctaag	
fabT-UpFr-seq	gagatttgtagagatgaag	
fabT-DoRe-seq	tcaatagtctgcttgatagact	
tesS-UpFr-seq	ctgaaactggctggttttgaca	
tesS-DoRe-seq	gtaaaacctgctgccaag	
acpB-UpFr-seq	acgagagctattcggaataag	
acpB-DoRe-seq	aatccataattaccaaca	
SP0743-UpFr-seq	tttttctgataggcgggga	
SP0743-DoRe-seq	ccatttttgaattcctct	
SP0741-UpFr-seq	atatttatctggaagaccat	
SP0741-DoRe-seq	agagtttaaggaaaacattga	
SP0740-UpFr-seq	agattttccacataaagcct	
SP0740-DoRe-seq	atagcagagctgttaaagga	
<i>Primers for cloning fakB3 promoter into pPP2 vector</i>		
pPP2-Fr	atgaaacatctgatcccgtc	Forward primer for amplifying pPP2
pPP2-Re	gattctagactagaattcgca	Reverse primer for amplifying pPP2
PfakB3-Fr-pPP2-OH	TGCGAATTCTAGTCTAGAATCaacattttcttctactgt	Amplifies fakB3 promoter with an overhang sequence complementary to 3' end of the PCR amplified pPP2 vector
PfakB3-Re-pPP2-OH	ACGGGATCAAGATGTTTCATagaaattcctcatctttgtca	Amplifies fakB3 promoter with an overhang sequence complementary to 5' end of the PCR amplified pPP2 vector
pPP2-seq-Fr	tgctcgcttcgctacttgga	Forward primer – amplifies a 308 bp fragment including the <i>fakB3</i> promoter
pPP2-seq-Re	aggcgattaagttgggtaac	Reverse primer – amplifies a 308 bp fragment including the <i>fakB3</i> promoter

Primer	Sequence (5'-3') ^a	Comment
<i>Primers for cloning fabT-c-6His into pET21d protein expression vector</i>		
pET21-Fr-6His-OH	CACCATCACCATCACCATTAAccaagcttgggcccgaaca	Forward primer for amplifying pET21d with an overhang sequence including six histidine codons plus a TAA Stop codon
pET21-Re	gctagccaaggtatatctct	Reverse primer for amplifying pET21d
fabT-Fr-pET21-OH	GGAGATATACCTTGGCTAGCatggactaccaacgaatcaat	Forward primer for amplifying <i>fabT</i> Orf with an overhang sequence complementary to the 3' end of the amplified pET21 vector
fabT-Re-6His-OH	TTAATGGTGATGGTGATGGTGttcaaatcctccaaaattggt	Forward primer for amplifying <i>fabT</i> Orf with an overhang sequence including six histidine codons plus a TAA Stop codon complementary to the 5' end of the amplified pET21 vector
<i>Primers for amplifying the 300bp GAPDH fragments used for EMSA experiments</i>		
GAPDH300-Fr	aaagttggtattaacggtttcg	Forward primer for amplifying the 300bp GAPDH fragments with FabT binding sites from the <i>fabT</i> and <i>fabK</i> promoter included, and with no binding site
GAPDH300-Re	tttcttagcaaagaaccagtagc	Reverse primer for amplifying the 300bp GAPDH fragments with FabT binding sites from the <i>fabT</i> and <i>fabK</i> promoter included, and with no binding site
<i>qPCR primer</i>		
fakB3-qPCR-Fr	caactgccaacaccagctat	
fakB3-qPCR-Rev	ccttcaaatgctcgcaaata	
fabK-qPCR-Fr	ccctttgtggaagacatcgt	
fabK-qPCR-Rev	cgattatcccagcttcatgg	
gyrA-qPCR-Fr	gttcgcttggttcaggaaaa	
gyrA-qPCR-Rev	tgcatttgggtcattttga	

Notes: ^a) Annealing sequences are displayed in lower case letters and non-annealing overhang sequences in upper case letters