

Supplementary material

Table 1. Primers used in this study

Primer	Sequence	Amplicon size (bp)
MobCF	5'-GGTGGGATATATGAGCGAAC-3'	350
MobCR	5'-CGCTGATATTACGTTCTAATGC-3'	
MobAF	5'-GCGCAACCAAATCAACCTCA-3'	390
MobAR	5'-GTCATGATTACGACAAACTTGG-3'	
MobBF	5'-CGGTTTATCAGCGCGATGAA-3'	390
MobBR	5'- GCGCCATGCTGAATGACC-3'	
GyrF	5'-GCGTGAATCATTTTTAGATTATGCG-3'	447
GyrR	5'-AAGTTAGGGAATCGAGCAG-3'	
OriT9F	5'-AGCTAAATCGGCTGCGTC-3'	319
OriT9R	5'-TATGAATTTGCCCATTAACCG-3'	
MobDF2	5'-ATCTGCAGGTGAGTTACGTGAAAGGCTGG-3'	251
MobDR2	5'-CGGAATTCGCGCTTAGTTTAGTGGTTGCC-3'	

Restriction sites are underlined: MobDF2, *Pst*I; MobDR2, *Eco*RI.

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Table 2. Strategies employed to construct some strains used in this study

Transduction		Intermediate strain	Conjugation		Resultant strain
Phage 80 α propagated into	Transduced strain		Donor	Recipient	
--	--	--	RN7242 (pGO1)	MB49 (pRJ14, pRJ6)	MB367 (pGO1, pRJ14, pRJ6)
MB490 (pTmobD ₆)	MB126 (pGO1, pRJ14)	--	--	--	MB491 (pGO1, pRJ14, pTmobD ₆)
MB439 (pCNoriT ₉)	A70 (pRJ6)	(pCNoriT ₉ , pRJ6)	RN7242 (pGO1)	(pCNoriT ₉ , pRJ6)	MB464 (pGO1, pRJ6, pCNoriT ₉)
MB387 (pCN37)	A70 (pRJ6)	(pCN37, pRJ6)	RN7242 (pGO1)	(pCN37, pRJ6)	MB465 (pGO1, pRJ6, pCN37)
MB439 (pCNoriT ₉)	MB180 (A70 cured of pRJ6)	(pCNoriT ₉)	RN7242 (pGO1)	(pCNoriT ₉)	MB476 (pGO1, pCNoriT ₉)