

TABLE S1. Oligonucleotides used in this study.

Oligonucleotides	Description	Comments or RE ^a site
pBT-QnrB1-F	GCGGGAATTCTATGGCTCTGGCACTCGTTG	EcoRI
pBT-QnrB1-R	CTCGAATTCCTCGAGTTACTAACCAATCACCGC	XhoI
pTRG-GyrA-F	ATGGATCCATGAGCGACCTTGCGA	BamHI
pTRG-GyrA-R	GCGGGAATTCTTATTCTTCTTCTGGCTC	EcoRI
pTRG-GyrB-F	ACTCA GGATCCATGTCGAATTCTTATGACT	BamHI
pTRG-GyrB-R	AGTAACTCGAGTTAAATATCGATATTCGCCGCTTTC	XhoI
pTRG-GyrBA-F	GCGCGGATCCATGTCGAATTCTTATGACTCCT	BamHI
pTRG-GyrBA-R	ATCGCTCGAGTTATTCTTCTTCTGGCTCGTCGTC	XhoI
PBT-F	TCCGTTGTGGGGAAAGTTAT	Colony PCR ^b
PBT-R	CAGGGTAGCCAGCAGCAT	Colony PCR
PTRG-F	TGGCTGAACAACCTGGAAGCT	Colony PCR
PTRG-R	ATTCGTGCCCCGCCATAA	Colony PCR
ΔC5-F	GCGGGAATTCTATGGCTCTGGCA	EcoRI
ΔC5-R	CAATCTCGAGGATGCCAAGTCGCT	XhoI
ΔC10-F	GCGGGAATTCTATGGCTCTGGCA	EcoRI
ΔC10-R	CAAGCTCGAGCATGAGCAACGATG	XhoI
ΔN5-F	GCGGGAATTCTATGGGCGAAAAAATTGACA	EcoRI
ΔN5-R	CTCGAATTCCTCGAGTTACTAACCAATCACCGC	XhoI
ΔN10-F	GCGGGAATTCTATGAGAAACCGTTTCACCG	EcoRI
ΔN10-R	CTCGAATTCCTCGAGTTACTAACCAATCACCGC	XhoI
ΔN20-F	GCGGGAATTCTATGAATAGTACATTTTTTAA	EcoRI
ΔN20-R	CTCGAATTCCTCGAGTTACTAACCAATCACCGC	XhoI
Q51A-F	TCGTGAAAGCGCTAAAGGGTG	SDM ^c

Q51A-R	TCATAGAACTGACAGCCGATAAAATTCAGT	SDM
I105A-F	TATGAATATGGCTACCACGCGC	SDM
I105A-R	AAGCTTGCGCCGCG	SDM
Δ 105I-F	TATGAATATGGCTACCACGCGC	SDM
Δ 105I-R	CATATTCATAAAGCTTGCGCCG	SDM
T106A-F	GAATATGATCGCCACGCGCAC	SDM
T106A-R	ATAAAGCTTGCGCCGCGGAA	SDM
Δ 106T-F	GAATATGATCACGCGCACCTG	SDM
Δ 106T-R	ATAAAGCTTGCGCCGCGGAA	SDM
F111A-F	CGCACCTGGGCTTGTAGCGC	SDM
F111A-R	CGTGGTGATCATATTCATAAAGCT	SDM
Δ loopA-F	AAAGGGTGCAATTTTAGTCGTGC	SDM
Δ loopA-R	GAACTGACAGCCGATAAAATTCAGT	SDM
Δ loopB-F	GCATATATCACGAATACCAATCTAAGCTAC	SDM
Δ loopB-R	ATTCATAAAGCTTGCGCCGCG	SDM
Δ loopA+B	Dual SDM using primers for Δ loopA and Δ loopB	SDM
GYRBS83L-F	CATGGTGACTTGGCGGTCTATG	SDM
GYRBS83L-R	GGGATGGTATTTACCGATTACGTC	SDM

^aRE, restriction enzyme

^bPCR, polymerase chain reaction

^cSDM, site-directed mutagenesis