LIST OF ABBREVIATIONS

Km	Kanamycin
Amp	Ampicillin
Cm	Chloramphenicol
Em	Erythromycin
NCBI	National center for biotechnology information
BLAST	Basic Local Alignment Search Tool
NARSA	Network on antimicrobial resistance in *Staphylococcus aureus*
bp	Base pair
nt	Nucleotides
DNA	Deoxyribonucleic acid
RNA	Ribonucleic acid
dNTPs	deoxy ribonucleotide triphosphate
ORF	Open reading frame
Ori	Origin of replication
Kb	Kilo base pair
bp	base pair
mRNA	messenger ribonucleic acid
rRNA	ribosomal ribonucleic acid
ncRNA	noncoding RNA
tmRNA	transfer messenger RNA
sRNA	small RNA
MCS	Multiple cloning site
MW	Molecular weight
PCR	Polymerase chain reaction
RT-PCR	Reverse transcription PCR
qRT-PCR	Quantitative real time PCR
PCR	Polymerase chain reaction
RE	Restriction endonuclease
EDTA	Ethylene diamine tetra acetic acid
EtBr	Ethidium bromide
LB	Luria Bertani broth
PBS	Phosphate buffered saline
OD_x	Optical density at wavelength of x nm
PAGE	Polyacrylamide gel electrophoresis
rpm	Revolutions per minute
APS	ammonium per sulphate
TEMED	N,N,N`,N`- Tetramethylethylenediamine
RT	Room temperature
TBE	Tris-borate EDTA

Tris	Tris (hydroxymethyl) aminomethane
UV	Ultraviolet
v/v	Volume per volume
w/v	Weight per volume
X-Gal	5-Bromo-4-chloro-3- indoyl-β-D galactopyranoside
IPTG	Isopropyl β-D thiogalactopyranoside
FITC	Fluorescein isothiocyanate
BUN	Blood urea nitrogen
CK	Creatinine kinase
SGOT	Serum glutamic oxaloacetate transaminase
SGPT	Serum glutamic pyruvate transaminase
Fig	Figure
Ct	cycle threshold
ml	millilitre
µl	microlitre
dl	decilitre
mm	millimeter
M	molar
mM	millimolar
µM	micromolar
pmol	picomole
g	gram
ng	nanogram
mg	milligram
µg	microgram
nm	nanometer
°C	degree Celsius
Da	Dalton
h	hour
l	litre
min	minute
s	second
U	Unit (enzyme activity)
V	Volt
%	Percentage
σ	sigma
Ώ	ohm
δ	delta
α	alpha
µF	microfarad
kV	kilovolt