



Table S1. List of primers used in this study.

Primer	Primer sequence 5′ → 3′	Target genes	product size	Annealing T	Ref
16S F	AAATTGAAGAGTTTGATCATGG	16Sr DNA	1554pb	55°c	[1]
16S R	GCTTCTTTAAGGTAAGGAGGT				
Carbapenem resistant genes Conventional PCR					
NDM F	GGTTTGGCGATCTGGTTTTTC	NDM variants	621pb	60°c	[2]
NDM R	CGGAATGGCTCATCACGATC				
GES F	AGTCGGCTAGACCGGAAAG	GES variants	399pb	58°c	[3]
GES R	TTGTCCGTGCTCAGGAT				
OXA4F	GCTTGATCGCCCTCGATT	OXA-48	281pb	60°c	[3]
OXA4R	GATTTGCTCCGTGGCCGAAA				
IMP F	TTGACACTCCATTTACAG	IMP Variants	139pb	56°c	[3]
IMP R	GATCGAGAATTAAGCCACCC				
VIM F	GATGGTGTTTGGTCGCATA	VIM variants	390pb	60°c	[3]
VIM R	CGAATGCGCAGCACCAG				
KPC F	CATTCAAGGGCTTTCTTGCTGC	KPC variants	538	60°c	[3]
KPC R	ACGACGGCATAGTCATTTGC				
ESBL genes multiplex PCR					
TEM F	CATTTCGGTGTGCGCCCTTATTC	TEM-1	800bp	60°c	[3]
TEM F	CGTTCATCCATAGTTGCCTGAC	TEM-2			
SHV F	AGCCGCTTGAGCAAATTAAAC	SHV variants	713bp	60°c	[3]

SHV R	ATCCCGCAGATAAATCACCAC				
CTX F	CGC TTT GCG ATG TGC AG	CTX-M types	550	55°C	[4]
CTX R	ACC GCG ATA TCG TTG GT				
OXA F	GGCACCAGATTCAACTTTCAAG	OXA-1/4/30	564pb	60°C	[3]
OXA R	GACCCCAAGTTTCCTGTAAGTG				

References

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