

Table S1. Primers used in for PCR detection of antibiotic resistant genes.

Target gene	Primer sequence (5'→3')		Tm (°C)	Amplicon size (bp)
	Forward	Reverse		
ESBLs genes				
<i>bla</i> _{SHV}	GGGTTATTCTTATTTGTCGC	TTAGCGTTGCCAGTGCTC	52	927
<i>bla</i> _{TEM}	GACAGTTACCAATGCTTAATCA	ATAAAATTCTTGAAGACGAAA	55	1080
<i>bla</i> _{CTX-M-G1}	GGTTAAAAAATCACTGCGTC	TTGGTGACGATTTTAGCCGC	55	864
<i>bla</i> _{CTX-M-G2}	ATGATGACTCAGAGCATTCG	TGGGTTACGATTTTCGCCGC	55	866
<i>bla</i> _{CTX-M-G9}	ATGGTGACAAAGAGAGTGCA	CCCTTCGGCGATGATTCTC	55	870
<i>bla</i> _{OXA-1}	ACACAATACATATCAACTTCGC	AGTGTGTTTAGAATGGTGATC	45.6	812
<i>bla</i> _{OXA-2}	TTCAAGCCAAAGGCACGATAG	TCCGAGTTGACTGCCGGGTTG	52	701
<i>bla</i> _{OXA-9}	CGTCGCTCACCATATCTCCC	CCTCTCGTGCTTTAGACCCG	52	313
<i>bla</i> _{OXA-10}	CGTGCTTTGTAAAAGTAGCAG	CATGATTTTGGTGGAATGG	46	652
Plasmid-mediated AmpC genes				
<i>bla</i> _{DHA}	CTGATGAAAAAATCGTTATC	ATTCCAGTGCACTCAAAATA	55	1136
<i>bla</i> _{CMY}	CTGCTGCTGACAGCCTCTTT	TTTTCAAGAATGCGCCAGGC	55	1109
Carbapenemases genes				
<i>bla</i> _{KPC}	ATGTCACTGTATCGCCGTCT	TTTTCAGAGCCTTACTGCCC	52	893
<i>bla</i> _{NDM}	GGTTTGGCGATCTGGTTTTTC	CGGAATGGCTCATCACGATC	54	1133
<i>bla</i> _{VIM-1}	TTATGGAGCAGCAACCGATGT	CAAAAGTCCCGCTCCAACGA	52	920
<i>bla</i> _{VIM-2}	AAAGTTATGCCGCACTCACC	TGCAACTTCATGTTATGCCG	50	865
<i>bla</i> _{IMP-1}	TGAGCAAGTTATCTGTATTC	TTAGTTGCTTGTTTTGATG	50	738
<i>bla</i> _{IMP-2}	GGCAGTCGCCCTAAACAAA	TAGTTACTTGGCTGTGATGG	50	737
<i>bla</i> _{NMC}	GCATTGATATACCTTTAGCAGAGA	CGGTGATAAAATCACACTGAGCATA	52	2158
<i>bla</i> _{SME}	AGATAGTAAATTTTATAG	CTCTAACGCTAATAG	42	1138
<i>bla</i> _{SPM-1}	CCTACAATCTAACGGCGACC	TCGCCGTGTCCAGGTATAAC	54	650
<i>bla</i> _{GIM-1}	AGAACCTTGACCGAACGCAG	ACTCATGACTCCTCACGAGG	54	748

<i>bla_{SIM-1}</i>	TACAAGGGATTTCGGCATCG	TAATGGCCTGTTCCCATGTG	51	569
<i>bla_{IMI}</i>	ATAGCCATCCTTGTTTAGCTC	TCTGCGATTACTTTATCCTC	50	818
<i>bla_{GES}</i>	GTTTTGCAATGTGCTCAACG	TGCCATAGCAATAGGCGTAG	52	371
<i>bla_{OXA-48}</i>	CAAAGGAATGGCAAGAAAACAAAA	GCGCAGCCCTAAACCATCC	55	798
Colistin resistance gene				
<i>mcr-1</i>	CGGTCAGTCCGTTTGTTTC	CTTGGTCGGTCTGTAGGG	52	309
Outer membrane porin genes				
<i>ompK35</i>	ATCACGAAGGGGTGTACTGC	GGATGGAAAGATGCCTTCAG	55	1225
<i>ompK36</i>	GCGAGGTTAAACCGGACATA	TGCAGCACAATGAAATAGCC	55	1272