

1 **Supplementary data**

2 **Table S1: Primers used for the detection of antibiotic-resistance genes**

PCR assay	Target gene	Primer name	Sequence (5'-3')	Amplicon size (bp)	Reference
Multiplex PCR for CTX-M groups	CTX-M group 1	MultiCTXMGp1_for MultiCTXMGp1-2_rev	TTAGGAARTGTGCCGCTGYA CGATATCGTTGGTGGTRCCAT	688	(1)
	CTX-M group 2	MultiCTXMGp2_for MultiCTXMGp1-2_re	CGTTAACGGCACGATGAC CGATATCGTTGGTGGTRCCAT	404	
	CTX-M group 9	MultiCTXMGp9_for MultiCTXMGp9_rev	TCAAGCCTGCCGATCTGGT TCAAGCCTGCCGATCTGGT	561	
	CTX-M group 8/25	CTX-Mg8/25_for CTX-Mg8/25_re	AACRCRCAGACGCTCTAC TCGAGCCGGAASGTGYAT	326	
Multiplex PCR for TEM, SHV and OXA-1-like	TEM	MultiTSO-T_for MultiTSO-T_rev	CATTTCCGTGTCGCCCTTATTC CGTTCATCCATAGTTGCCTGAC	800	(1)
	SHV	MultiTSO-S_for MultiTSO-S_rev	AGCCGCTTGAGCAAATTAAC ATCCCGCAGATAAATCACCAC	713	
	OXA-1-like (OXA-1, -4 & -30)	MultiTSO-O_for MultiTSO-O_re	GGCACCAGATTCAACTTTCAAG GACCCCAAGTTTCTGTAAGTG	564	
Multiplex PCR for carbapenemases	IMP	IMP_for IMP_rev	GGAATAGAGTGGCTTAAYTCTC GGTTTAAAYAAAACAACCACC	232	(2)
	SPM	SPM_for SPM_rev	AAAATCTGGGTACGCAAACG ACATTATCCGCTGGAACAGG	271	
	AIM	AIM_for AIM_rev	CTGAAGGTGTACGAAACAC GTTCCGGCCACCTCGAATTG	322	
	VIM	VIM_for VIM_rev	GATGGTGTGGTTCGCATA CGAATGCGCAGCACCAG	390	
	KPC	KPC_for KPC_rev	CGTCTAGTTCTGCTGTCTTG CTTGTATCCTTGTAGGCG	798	
	GIM	GIM_for GIM_rev	CGACACACCTTGGTCTGAA AACTTCCAACCTTGCCATGC	477	
	BIC	BIC_for BIC_rev	TATGCAGCTCCTTTAAGGGC TCATTGGCGGTGCCGTACAC	537	
	SIM	SIM_for SIM_rev	TACAAGGGATTGCGCATCG TAATGGCCTGTTCCCATGTG	570	
	OXA-48	OXA_for OXA_rev	GCGTGGTTAAGGATGAACAC CATCAAGTTCAACCAACCG	438	
	NDM	NDM_for NDM_rev	GGTTTGGCGATCTGGTTTTTC CGGAATGGCTCATCACGATC	621	
DIM	DIM_for DIM_rev	GCTTGTCTTCGCTTGTAAACG CGTTCGGCTGGATTGATTTG	699		
Multiplex PCR 1 for PMQR	<i>qnrA</i>	<i>qnrA</i> _for <i>qnrA</i> _rev	AGAGGATTTCTCACGCCAGG TGCCAGGCACAGATCTTGAC	579	(2)
	<i>qnrB</i>	<i>qnrB</i> _for <i>qnrB</i> _rev	GGMATHGAAATTCGCCACTG TTYGCBGYCCGAGTCGAA	263	

	<i>qnrS</i>	<i>qnrS_for</i> <i>qnrS_rev</i>	GCAAGTTCATTGAACAGGGT TCTAAACCGTCGAGTTCGGCG	427	(3)
	<i>qepA</i>	<i>qepA_for</i> <i>qepA_rev</i>	AACTGCTTGAGCCCGTAGAT CGTGTGCTGGAGTTCCTCC	189	
Multiplex PCR 2 for PMQR	<i>aac(6)- lb-cr</i>	<i>aac(6)-lb-cr_for</i> <i>aac(6)-lb-cr_rev</i>	TTGGAAGCGGGGACGGAM ACACGGCTGGACCATA	264	
	<i>qnrC</i>	<i>qnrC_for</i> <i>qnrC_rev</i>	GGGTTGTACATTTATTGAATCG CACCTACCCATTTATTTCA	308	
	<i>qnrD</i>	<i>qnrD_for</i> <i>qnrD_rev</i>	ATGGAAAAGCACTTTATCAA TTATCGGTGAACAATAACAC	645	
	<i>oqxAB</i>	<i>oqxAB_for</i> <i>oqxAB_rev</i>	GACGACAAAGCGGTACTIONGAC GTCTCGGCAATCACTTTCGG	448	
Multiplex PCR for 16S rRNA methylase	<i>rmtB</i>	<i>rmtB_for</i> <i>rmtB_rev</i>	GCT TTC TGC GGG CGA TGT AA ATG CAA TGC CGC GCT CGT AT	173	(4)
	<i>rmtC</i>	<i>rmtC_for</i> <i>rmtC_rev</i>	CGA AGA AGT AAC AGC CAA AG ATC CCA ACA TCT CTC CCA CT	711	
	<i>armA</i>	<i>armA_for</i> <i>armA_rev</i>	ATT CTG CCT ATC CTA ATT GG ACC TAT ACT TTA TCG TCG TC	315	

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