Table S1. Primers used for the determination of multilocus sequence type (MLST) in this study

Gene name	Primer name	Sequences (5′ to 3′ end)	Amplicon size	References
gapA	gapA-F	TGAAATATGACTCCACTCACGG	662	
	gapA-R	CTTCAGAAGCGGCTTTGATGGCTT		
infB	infB-F	CTCGCTGCTGGACTATATTCG	462	
	infB-R	CGCTTTCAGCTCAAGAACTTC		
mdh	mdh-F	CCCAACTCGCTTCAGGTTCAG	756	[1]
	mdh-R	CCGTTTTTCCCCAGCAGCAG		
pgi	pgi-F	GAGAAAAACCTGCCTGTACTGCTGGC	718	
	pgi-R	CGCGCCACGCTTTATAGCGGTTAAT		
phoE	phoE-F	ACCTACCGCAACACCGACTTCTTCGG	602	
	phoE-R	TGATCAGAACTGGTAGGTGAT		
rpoB	rpoB-F	GGCGAAATGGCWGAGAACCA	1075	
	rpoB-R	GAGTCTTCGAAGTTGTAACC		
wzi	wzi_for2	GTGCCGCGAGCGCTTTCTATCTTGGTATTCC	580	[2]
	wzi_rev	GAGAGCCACTGGTTCCAGAAYTTSACCGC		

Table S2. Primers used for the detection of carbapenemases and extended-spectrum β-lactamases in this study

Gene name	Primer name	Sequences (5′ to 3′ end)	Amplicon size (bp)	References
		Primers for carbapenemases		
bla_{IMP}	IMP-F	GGAATAGAGTGGCTTAAYTCTC	233	
	IMP-R	GGTTTAAYAAAACAACCACC		
bla_{VIM}	VIM-F	CCGATGGTGTTTGGTCGC	397	
	VIM-R	CGGTCGAATGCGCAGCAC		
bla_{OXA-48}	OXA-F	CCCAATAGCTTGATCGCCC	466	[3]
	OXA-R	CATCAAGTTCAACCCAACCG		
bla_{KPC}	KPC-Fm	CGTCTAGTTCTGCTGTCTTGTC	798	
	KPC-Rm	CTTGTCATCCTTGTTAGGCGC		
bla_{NDM}	NDM1-F	ATGGAATTGCCCAATATTATGC	813	[4]
	NDM1-R	TCAGCGCAGCTTGTCGGC		
		Primers for TEM, SHV, CTX-M-group 1, 2, 9, 8/25, CMY, DHA		
bla_{TEM}	MultiTSO-T_for	CATTTCCGTGTCGCCCTTATTC	800	
	MultiTSO-T_rev	CGTTCATCCATAGTTGCCTGAC		
bla_{SHV}	MultiTSO-S_for	AGCCGCTTGAGCAAATTAAAC	713	
	MultiTSO-S_rev	ATCCCGCAGATAAATCACCAC		
$bla_{CTX-M-gp1}$	MultiCTXMGp1_for	TTAGGAARTGTGCCGCTGYA	688	
	MultiCTXMGp1-2_rev	CGATATCGTTGGTGGTRCCAT		
$bla_{CTX-M-gp2}$	MultiCTXMGp2_for	CGTTAACGGCACGATGAC	404	
	MultiCTXMGp1-2_rev	CGATATCGTTGGTGGTRCCAT		[5]
$bla_{CTX-M-gp9}$	MultiCTXMGp9_for	TCAAGCCTGCCGATCTGGT	561	
	MultiCTXMGp9_rev	TGATTCTCGCCGCTGAAG		
$bla_{CTX-M-gp8/25}$	CTX-Mg8/25_for	AACRCRCAGACGCTCTAC	326	
	CTX-Mg8/25_rev	TCGAGCCGGAASGTGTYAT		
bla_{DHA}	MultiCaseDHA_for	TGATGGCACAGCAGGATATTC	997	
	MultiCaseDHA_rev	GCTTTGACTCTTTCGGTATTCG		
Gene name	Primer name	Sequences (5′ to 3′ end)	Amplicon size (bp)	References
bla_{CMY}	MultiCaseCIT_for	CGAAGAGGCAATGACCAGAC	538	[5]
	MultiCaseCIT_rev	ACGGACAGGGTTAGGATAGY		

Table S3. Primers used for genes of outer membrane proteins and for the detection of gene expression levels in this study

Gene name	Primer name	Sequences (5′ to 3′ end)	Amplicon size (bp)	References
		Outer membrane proteins		
ompK35	ompK35for	AACTTATTGACGGCAGTGGC	1,132	
	ompK35rev	TTGGTAAACGATACCCACGG		[6]
ompK36	ompK36for	GCAGTGGCATAATAAAAGGCA	1,144	
	ompK36rev	ACTGGTAAACCAGGCCCA		
		Gene expression levels		
acrB	acrBF	CGATAACCTGATGTACATGTCC	206	
	acrBR	CCGACAACCATCAGGAAGCT		[7]
oqxB	oqxB1806F	GAGCGAGATCGGGATGAATAC	84	
	oqxB1890R	CGGCGTGTTGGTGAACTG		[8]
ramA	ramAF	ATCGTCGAGTGGATTGATGA	85	
	ramAR	AGATGCCATTTCGAATACCC		[9]
rpoB	rpoBF	AAGGCGAATCCAGCTTGTTCAGC	147	
	rpoBR	TGACGTTGCATGTTCGCACCCATCA		[7]

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