

File A1. Primers used for the detection of colistin resistance mechanisms in this study.

A. Mutational mechanisms

1. *Klebsiella pneumoniae*

Target gene	PCR Type	Sequences	Program	Reference
<i>PmrA</i>	Standard	pmrA_F ATCTGTTCTCCACCCTGCTC	Annealing T° : 55°C Extension : 1 min 30 s	(Olaitan et al., 2014)
		pmrA_R CATGCTCCACATGTTTCTGG		
<i>PmrB</i>	Standard	pmrB-KP-F1 CGACATTTACAGCTGGGACA		
		PmrB-KP-R2 TTGCGGCCTTCTTAATGTTT		
	Sequencing	pmrB-KP-F1 CGACATTTACAGCTGGGACA	-	
		pmrB-KP-R1 TTTACCACGTCATCCAGCAA		
		pmrB-KP-F2 GAGCTGCTGGCGAAAGTG		
		pmrB-KP-R2 TTGCGGCCTTCTTAATGTTT		
<i>PhoP</i>	Standard	phoP_F GAAGCGAACCCGTAATGACA	Annealing T° : 55°C Extension : 1 min 30 s	
		phoP_R AACAGCCGTTTATATTTTGCGTA		
<i>PhoQ</i>	Standard	phoQ_F GCAGGTGTCTGACAGGGATT	Annealing T° : 55°C Extension : 1 min 30 s	
		phoQ_R AGGCTGAATACCCACAGGAC		
	Sequencing	phoQ_F GCAGGTGTCTGACAGGGATT	-	
		phoQ_R AGGCTGAATACCCACAGGAC		
		phoQ_F1 ATTGACCCCTTTGCGCTGATA		
		phoQ_R1 ATCCGCGAACAGGGCGACGACT		
<i>mgrB</i>	Standard and sequencing	mgrB_F1 ATTCTGCCGCTTTTGCTG	Annealing T° : 51°C Extension : 74°C/90 s	
		mgrB_R1 CGTTTTGAAACAAGTCGATGA		

2. *Enterobacter cloacae*

Target gene	PCR Type	Sequences	Program	Reference
<i>PmrA</i>	Standard and sequencing	pmrA_F ATGAAACTACTGATAGTTGAAGA	Annealing T° : 55°C Extension : 1 min 30 s	Our lab
		pmrA_R CATTTMTGDCTMTCCAGMCG		
<i>PmrB</i>	Standard and sequencing	pmrB_F ATGAACAGYATGCGYCGGCG		
		pmrB_R CTCAGRCCMAGSCCRCTR		
<i>PhoP</i>	Standard and sequencing	phoP_F ATGCGCGTACTGGTTGTTGA		
		phoP_R GCGTAWTTCRAACAGRTARC		
<i>PhoQ</i>	Standard and sequencing	phoQ_F CCCTYTCRCTGCGGGTTCG		
		phoQ_R TCGTACTGRTCGACRATYTC		
<i>mgrB</i>	Standard and sequencing	mgrB_F CGGTTTACTCTATGAAACAAGTGC		
		mgrB_R GCGAAGGAAGGAAATCACCT		

B. *mcr* genes

Target gene	PCR Type	Sequences	Reference
<i>mcr-1</i>	RT PCR	F: GCAGCATACTTCTGTGTGGTAC	(Chabou et al., 2016)
		R: ACAAAGCCGAGATTGTCCGCG	
		Probe : FAM-GACCGCGACCGCCAATCTTACC-TAMRA	
	Standard and sequencing	F: GCAGCATACTTCTGTGTGGTAC R: TATGCACGCGAAAGAAACTGGC	(Touati et al., 2019)
<i>mcr-2</i>	RT PCR	F: CTGTGCCGTGTATGTTTCAGC	
		R: TTATCCATCACGCCTTTTGAG	
		Probe: VIC-TGACCGCTTGGGTGTGGGTA-TAMRA	
<i>mcr-3</i>	RT PCR	F: TGAATCACTGGGAGCATTAGGGC	
		R: TGCTGCAAACACGCCATATCAAC	
		Probe: FAM-TGCACCGGATGATCAGACCCGT-TAMRA	
<i>mcr-4</i>	RT PCR	F: GCCAACCAATGCTCATACCCAAAA	
		R: CCGCCCCATTCGTGAAAACATAC	
		Probe : FAM-GCCACGGCGGTGTCTCTACCC-TAMRA	
<i>mcr-5</i>	RT PCR	F: TATCCCGCAAGCTACCGACGC	
		R: ACGGGCAAGCACATGATCGGT	
		Probe: FAM-TGCGACACCACCGATCTGGCCA-TAMRA	
	Standard and sequencing	F: ATGCGGTTGTCTGCATTTATC R: TCATTGTGGTTGTCCTTTTCTG	(Borowiak et al., 2017)
<i>mcr-8</i>	RT PCR	F: TCCGGGATGCGTGACGTTGC	(Nabti et al., 2020)
		R: TGCTGCGCGAAT-GAAGACG	
		Probe: FAM-TCATGGAGAATCGCTGGGG-GAAAGC-TAMRA	

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