

Quinolone resistance in MDR *Klebsiella pneumoniae*

Table S1. Primer sequences used for PCR amplification of resistant-associated genes for *K. pneumoniae*.

Target(s)	Primers	Sequence (5' to 3')	Annealing temp (°C)	Amplicon size (bp)	Reference
<i>gyrA</i>	<i>gyrA6</i>	CGACCTTGCGAGAGAAAT	55	620	13
	<i>gyrA631R</i>	GTTCCATCAGCCCTTCAA			
<i>parC</i>	<i>parCF</i>	TGAATTTACGGAAAACGCCTA	55	559	13
	<i>parCR</i>	GCCACTTCACGCAGGTTATG			
<i>qnrA</i>	<i>qnrA-1A</i>	TTCAGCAAGAGGATTTCTCA	55	627	14
	<i>qnrA-1B</i>	GGCAGCACTATTACTCCCAA			
<i>qnrB</i>	<i>qnrB-CS-1A</i>	CCTGAGCGGCACTGAATTTAT	60	408	14
	<i>qnrB-CS-1B</i>	GTTTGCTGCTCGCCAGTCGA			
<i>qnrS</i>	<i>qnrS-1A</i>	CAATCATACATATCGGCACC	60	641	14
	<i>qnrS-1B</i>	TCAGGATAAACAACAATACCC			
<i>qnrC</i>	<i>qnrC-F</i>	GGGTTGTACATTTATTGAATC	50	447	15
	<i>qnrC-R</i>	TCCACTTTACGAGGTTCT			
<i>qnrD</i>	<i>qnrD-fw</i>	CGAGATCAATTTACGGGGAATA	50	644	16
	<i>qnrD-rev</i>	AACAAGCTGAAGCGCCTG			
<i>aac(6')-Ib-cr</i>	<i>aac(6')-Ib-F</i>	TTGCGATGCTCTATGAGTGGCTA	55	482	17
	<i>aac(6')-Ib-R</i>	CTCGAATGCCTGGCGTGTTT			
<i>qepA</i>	<i>qepA-F</i>	CGGCGGCGTGTGCTGGAGTTCTT	60	450	18
	<i>qepA-R</i>	CCGACAGGCCACGACGAGGATGC			
<i>oqxA</i>	<i>oqxAF</i>	CTCGGCGCGATGATGCT	57	393	19
	<i>oqxAR</i>	CCACTCTTACGGGAGACGA			
<i>oqxB</i>	<i>oqxBF</i>	CCACCCTAACTGATCCCTAA	55	544	20
	<i>oqxBR</i>	CGCCAGCTCATCCTTAC			
<i>CTX-M</i>	<i>CTX_211_F</i>	ATGTGCAGYACCAGTAARGT	55	511	21
	<i>CTX_722_R</i>	CCGCTGCCGGTYTTATCVCC			

(Continued)

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Table S1 (Continued)

Target(s)	Primers	Sequence (5' to 3')	Annealing temp (°C)	Amplicon size (bp)	Reference
<i>TEM</i>	TEM_019_F	CGTGTCGCCCTTATTCCCTT	57	842	21
	TEM_861_R	TTACCAATGCCTAATCAGTG			
<i>SHV</i>	SHV_011_F	TTCGCCTGTGTATTATCTCCC	57	850	21
	SHV_861_R	TTAGCGTTGCCAGTGYTCGAT			
<i>OXA</i>	OXA_339_F	GCGATCAGCRATGCGRAATTC	55	384	21
	OXA_723_R	GTTTGGCGTATCAATATTCAG			
<i>MOX-1 or 2,</i> <i>CMY-1, 8 to11</i>	MOXMF	GCTGCTCAAGGAGCACAGGAT	64	520	22
	MOXMR	CACATTGACATAGGTGTGGTGC			
<i>LAT-1 to 4, CMY-2</i> <i>to 7, BIL-1</i>	CITMF	TGGCCAGAACTGACAGGCAAA	64	462	22
	CITMR	TTTCTCCTGAACGTGGCTGGC			
<i>DHA-1, DHA-2</i>	DHAMF	AACTTTCACAGGTGTGCTGGGT	64	405	22
	DHAMR	CCGTACGCATACTGGCTTTGC			
<i>ACC</i>	ACCMF	AACAGCCTCAGCAGCCGGTTA	64	346	22
	ACCMR	TTCGCCGCAATCATCCCTAGC			
<i>MIR-1T, ACT-1</i>	EBCMF	TCGGTAAAGCCGATGTTGCGG	64	302	22
	EBCMR	CTTCCACTGCGGCTGCCAGTT			
<i>FOX-1 to FOX-5b</i>	FOXMF	AACATGGGGTATCAGGGAGATG	64	190	22
	FOXMR	CAAAGCGCGTAACCGGATTGG			
<i>KPC</i>	KPCF	ATGTCACTGTATCGCCGTCT	55	890	23
	KPCR	TTTTCAGAGCCTTACTGCCC			
<i>NDM</i>	NDM-F	GGTTTGGCGATCTGGTTTTTC	52	621	24
	NDM-R	CGGAATGGCTCATCACGATC			
<i>armA</i>	armA-F	CCGAAATGACAGTTCCTATC	55	846	25
	armA-R	GAAAATGAGTGCCTTGGAGG			

(Continued)

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Table S1 (Continued)

Target(s)	Primers	Sequence (5' to 3')	Annealing temp (°C)	Amplicon size (bp)	Reference
<i>rmtB</i>	rmtB-F	ATGAACATCAACGATGCCCT	55	769	25
	rmtB-R	CCTTCTGATTGGCTTATCCA			
<i>ompK35</i>	OmpK35F	CAGACACCAACTCTCATCAATGG	55	1183	26
	OmpK35R	AGAATTGGTAAACGATACCCACG			
<i>ompK36</i>	OmpK36F	CAGACAATGAATATAGCCGAC	55	1115	26
	OmpK36R	GCTGTTGTCGTCCAGCAGGTTG			
<i>acrR</i>	KpacrRNru1	TGAGTCGCGAATTAAGCTGACAAGCTCTC	58	750	27
	KpacrRBcl1	TGAGTGATCAGGTCATGCTATGGTACATA			
	KpacrR3P	TGGCTTTCATGTATTCGATG	55	1850	This study