Online Resource 3

Article title: Molecular profiling of antimicrobial resistance determinants among ESBL-producing Enterobacteriaceae isolated from community-acquired urinary tract infections in Tétouan, Morocco

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Online Resource 3. Primer sequences used for PCR amplification of β-lactamase, plasmid-mediated quinolone resistance (PMQR), and aminoglycoside resistance genes| Primer sequences used for PCR amplification of extended-spectrum β-lactamase (ESBL), plasmid-mediated quinolone resistance (PMQR), and aminoglycoside-modifying enzyme (AME) resistance genes investigated in the present study.

Gene group	Target gene	Primer	Primer sequence (5′–3′)	Annealing temperature (°C)	Amplicon size (bp)
ESBL	*bla*CTX-M	CTX-M-F	CGCTTTGCGATGTGCAG	**60**	551
		CTX-M-R	ACCGCGATATCGTTGGT	**60**	
	*bla*TEM	TEM-F	CATTTCCGTGTCGCCCTTATTC	**60**	800
		TEM-R	CGTTCATCCATAGTTGCCTGAC	**60**	
	*bla*SHV	SHV-F	AGCCGCTTGAGCAAATTAAAC	**60**	713
		SHV-R	ATCCCGCAGATAAATCACCAC	**60**	
Aminoglycoside-modifying enzymes (AMEs)	*aac*(3)-IIa	AAC-3-IIaF	GGCAATAACGGAGGCGCTTCAAAA	**55**	563
		AAC-3-IIaR	TTCCAGGCATCGGCATCTCATACG	**55**	
	aac(6′)-Ib	AAC-6′-IbF	CAAAGTTAGGCATCACA	**55**	540
		AAC-6′-IbR	ACCTGTACAGGATGGAC	**55**	

	ant(2″)-Ia	ANT-2″-IaF	ACGCCGTGGGTCGATGTTTGATGT	**55**	572
		ANT-2″-IaR	CTTTTCCGCCCCGAGTGAGGTG	**55**	
PMQR	*qnrA*	qnrA-F	GCCGTATGGATATTATTGA	**56**	662
		qnrA-R	CTAATCCGGCAGCACTAT	**56**	
	qnrB	qnrB-F	CCTGAGCGGCACTGAATTTAT	**56**	409
		qnrB-R	GTTTGCTGCTCGCCAGTCGA	**56**	
	qnrS	qnrS-F	ATGGAAACCTACAATCATAC	**56**	492
		qnrS-R	AAAAACACCTCGACTTAAGT	**56**	

Abbreviations: ESBL, extended-spectrum β-lactamase; PMQR, plasmid-mediated quinolone resistance; AME, aminoglycoside-modifying enzyme; bp, base pairs. Primer sequences are presented in the 5′–3′ orientation, and amplicon sizes correspond to the expected PCR products.