Note: This is Online Appendix 1 of Mosime LB, Newton-Foot M, Nel P. Fosfomycin resistance in community-acquired urinary pathogens from Western Cape, South Africa. S Afr J Infect Dis. 2022;37(1), a321. <https://doi.org/10.4102/sajid.v37i1.321>

TABLE 1-A1: Primer sequences and reaction conditions used for PCR.

Target gene (Species)	Primer gene	Sequence (5'–3')	Denaturation temperature (°C)/ No of cycles	Annealing temperature (°C)	Amplicon size (bp)	Primer Reference
<i>fosA1/fosA2</i>	<i>fosA1-2_Fw</i>	STAYGACGAGGCGCGCSRKTACGTG	98/X35	58	176	(Nordmann, Poirel and Mueller, 2019)
<i>fosA3/fosA4</i>	<i>fosA3-4_Fw</i>	CTGGATGMGCAGCGGCGTAAACG		55	175	(Nordmann, Poirel and Mueller, 2019)
<i>fosA5/fosA6</i>	<i>fosA5-6_Fw</i>	CCGCAGCGGCGCGTTACTCCGCCG		55	168	(Nordmann, Poirel and Mueller, 2019)
<i>fosA1-6</i>	<i>fosA_Univ_Rv*</i>	CRTCvGGRTCGAGRAAATAG		Dependant on forward primer	Dependant on forward primer	(Nordmann, Poirel and Mueller, 2019)
<i>fosA7</i>	<i>fosA7_Fw</i>	TGTGGCGACCTTTGGGTCTG		58	218	(Mueller <i>et al.</i> , 2019)
	<i>fosA7_Rv</i>	AGTTCAGCTTGTGGCCATC				
<i>murA (K. pneumoniae)</i>	KP-murA-F	GCGAGACCGCAAACCTCAATG	95/X30	52	1439	(Lu <i>et al.</i> , 2016)
	KP-murA-R	CGACAGAACGCAGATGATGC		55	1643	(Liu <i>et al.</i> , 2020)
<i>glpT (K. pneumoniae)</i>	KP-glpT-F	CACCAGGTCTTGCTCAAGGT				
	KP-glpT-R	TATTGCCTACCATCGCGACC		55	1583	(Lu <i>et al.</i> , 2016)
<i>uhpT (K. pneumoniae)</i>	KP-uhpT-F	GCTGTCGACTGTCGGACCT		52	1541	(Takahata <i>et al.</i> , 2010)
	KP-uhpT-R	GCGCTGGTTTTTACAATGCC				
<i>murA (E. coli)</i>	murA-F	AAACAGCAGACGGTCTATGG		68	1825	(Takahata <i>et al.</i> , 2010)
	murA-R	CCATGAGTTTATCGACAGAACG				
<i>glpT (E. coli)</i>	glpT-F	GCGAGTCGCGAGTTTTTCATTG		60	1667	(Takahata <i>et al.</i> , 2010)
	glpT-R	GGCAAATATCCACTGGCACC				
<i>uhpT (E. coli)</i>	uhpT-F	TTTTTGAACGCCAGACACC				
	uhpT-R	AGTCAGGGGCTATTTGATGG				

S- Guanine / Cytosine; Y- Cytosine / Thymine; R- Guanine / Adenine; K- Guanine / Thymine; M- Adenine / Cytosine; V- Guanine / Cytosine / Adenine.

*, *fosA_Univ_Rv* was used as a reverse primer for *fosA1-6* gene amplification.