

Supplementary Table 1: Primers used for aminoglycoside modifying enzymes (AMEs) genes in the study

	Forward/ Reverse	Primer Sequences	Amplic on size (bp)	References
AAC(6’)-Ib	F	5’TTGCGATGATGTATGACTGGCTA3’	482bp	Djagbare P et al., 2023 (20)
	R	5’CTCGAATCGCTGGCTTGAAA3’		
AAC(3’)-IIc	F	5’ATATGCGAGAGTCGTAGCCGA3’	877 bp	Djagbare P et al., 2023 (20)
	R	5’GAGCCGCTCTGACCGGCAGG3’		
APH(2’)-Ib	F	5’CAAGCACGCTGAGCTATGTGAGCAG3’	867bp	Vakulenko et al., 2003 (21)
	R	5’GCCCCGTAGGAATTCGAAAACGCCCTT3’		
ANT(3’)-I	F	5’TGACCCGCTGCATACGGTGAG3’	284bp	Wangkheim ayum J et al., 2020 (22)
	R	5’CGGTGTGTTCTATTCCTTTTA3’		
APH(3’)-Ia	F	5’AATCGACTTGATCGAGGA3’	461bp	Wangkheim ayumJ et al., 2020 (22)
	R	5’CAAGCCGTTATTGATACGTCA3’		

Supplementary Table 2: Thermal cycling conditions for standardization of PCR

Initial Denaturation	Denaturation	Annealing (Ta)	Extension	Final Extension	Hold
95°C for 5mins	95°C for 1min	AAC(6′)-Ib 55°C for 45sec	72°C for 1min	72°C for 5mins	4°C ∞
95°C for 5mins	95°C for 1min	AAC(3)-IIc 57°C for 45sec	72°C for 1min	72°C for 5mins	4°C ∞
95°C for 5mins	95°C for 1min	APH(2′′)-Ib 57°C for 45sec	72°C for 1min	72°C for 5mins	4°C ∞
95°C for 5mins	95°C for 1min	ANT(3′′)-I 55°C for 45sec	72°C for 1min	72°C for 5mins	4°C ∞
95°C for 5mins	95°C for 1min	APH(3′)-I 55°C for 45sec	72°C for 1min	72°C for 5mins	4°C ∞