

Supplementary Materials

Table S1. List of antibiotic resistance genes primers used in this study.

Class	Target gene	Primer	Primer sequence (5' → 3')	Amplicon size (bp)	Annealing temp (°C)	References
Tetracycline	<i>tet(A)</i>	TETA-F TETA-R	GCGCTNTATGCGTTGATGCA ACAGCCCGTCAGGAAATT	387	62	Jiang et al., 2013
	<i>tet(O)</i>	TETO-F TETO-R	ACGGARAGTTTATTGTATACC TGGCGTATCTATAATGTTGAC	171	60	Aminov et al., 2001.
	<i>tet(X)</i>	TETX-F TETX-R	CCGACACGGAAGTTGAAGAA CCTTGGTGAGATGCCATTAGC	468	60	Aminov et al., 2001.
	<i>tet(P)</i>	TETP-F TETP-R	CTTGGATTGCGGAAGAAGAG ATATGCCCATTTAACCACGC	676	60	Hong et al., 2018
	<i>tet(W)</i>	TETW-F TETW-R	GAGAGCCTGCTATATGCCAGC GGGCGTATCCACAATGTTAAC	168	50	Jiang et al., 2013
	<i>tet(K)</i>	<i>tet(X)</i> -F <i>tet(X)</i> -R	TCGATAGGAACAGCAGTA CAGCAGATCCTACTCCTT	169	61	Hong et al., 2018
Colistin	<i>mcr-1</i>	mcr-1-F mcr-1-R	TATCGCTATGTGCTAAAGCCTG CGTCTGCAGCCACTGGG	1139	56	Jousset et al., 2019
	<i>mcr-2</i>	mcr-2-F mcr-2-R	TATCGCTATGTGCTAAAGCCTG AAAATACTGCGTGGCAGGTAGC	816	56	Jousset et al., 2019
	<i>mcr-3</i>	mcr-3-F mcr-3-R	CAATCGTTAGTTACACAATGATGAAG AACACATCTAGCAGGCCCTC	676	56	Jousset et al., 2019
	<i>mcr-4</i>	mcr-4-F mcr-4-R	ATCCTGCTGAAGCATTGATG GCGCGCAGTTTCACC	405	56	Jousset et al., 2019
	<i>mcr-5</i>	mcr-5-F mcr-5-R	GGTTGAGCGGCTATGAAC GAATGTTGACGTCCTACTACGG	207	56	Jousset et al., 2019
Sulfonamide						
	<i>sulI</i>	sulI-F sulI-R	CGCACCGGAAACATCGCTGCAC TGAAGTCCGCCGCAAGGCTCG	163	63	Hong et al., 2018
	<i>sulII</i>	sulII-F	TCCGGTGAGGCCGGTATCTGG	191	63	Hong et al., 2018

		sulII-R	CGGGAATGCCATCTGCCTTGAG			
	<i>suIII</i>	sulIII-F sulIII-R	TCCGTT CAGCGAATTGGTGCAG TTCGTT CACGCCTTACACCAGC	128	61	Hong et al., 2018
β-lactam						
	<i>ampC</i>	AmpC -F AmpC R	GTGACCAGATACTGGCCACA TTACTGTAGCGCCTCGAGGA	822	61	Liu et a., 2018
	<i>SHV</i>	SHV-F SHV-R	CACTCAAGGATGTATTGT G TTAGCGTTGCCAGTGCTCG	885	55	Ramatla et al., 2022
	<i>OXA</i>	OXA-F OXA -R	ACACAATACATATCAACTTCGC AGTGTGTTTAGAATGGTGATC	813	55	Ramatla et al., 2022
	<i>CARB</i>	CARB-F CARB-R	CAAGTACTTTYAAAACAATAGC GCTGTAATACTCCKAGCAC	534	46	Jiang et al., 2013
	<i>TEM</i>	TEM-F TEM-R	TTC TTG AAG ACG AAA GGG C ACGCTCAGTGGAACGAAAAC	1150	55	Ramatla et al., 2022
Aminoglycoside						
	<i>strA</i>	strA-F strA-R	CTTGGTGATAACGGCAATTC CCAATCGCAGATAGAAGGC	548	55	Hong et al., 2018
	<i>strB</i>	strB-F strB-R	ATCGTCAAGGGATTGAAACC GGATCGTAGAACATATTGGC	509	56	Hong et al., 2018
	<i>aadA</i>	aadA-F aadA-R	ATCCTTCGGCGCGATTTTG GCAGCGCAATGACATTCTTG	283	56	Hong et al., 2018
	<i>aadE</i>	aadE-F aadE-r	ATGGAATTATTCCCACCTGA TCAAAACCCCTATTAAAGCC	386	50	Hong et al., 2018

Supplementary References

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