

Supplementary Table S3 Grading, RI values, and categorization of risky ARGs ^[1]

ARG	Rank	Risk (RI)	ARG Class
acrF	Q1	4500302.613	Multidrug
adeA	Q3	26.48503492	tetracycline
ceoA	Q3	2.919632784	Multidrug
floR	Q2	67.30231764	phenicol
mepA	Q2	286.1094533	tetracycline
mexD	Q1	19547.5021878154	Multidrug
mexE	Q1	2996.348575	Multidrug
mexF	Q1	5511.991006	Multidrug
oprJ	Q2	473.1157016	Multidrug
bla1	Q3	7.739667715	Beta-lactams
ereA	Q4	0.346851033	MLSB
ermA	Q1	774.9590905	MLSB
ermB	Q1	8055884.08	MLSB
ermC	Q1	12899.54512	MLSB
ermF	Q1	224758.6914	MLSB
ermX	Q1	94317.24846	MLSB
lnuC	Q3	22.44685216	MLSB
mphB	Q1	22666.67055	MLSB
mphC	Q1	103103.606	MLSB
oleC	Q3	5.044346146	MLSB
dfrA1	Q3	19.48617717	diaminopyrimidine
dfrA12	Q3	12.33453789	diaminopyrimidine
sul1	Q1	2331.230198	sulfonamide
sul2	Q1	1483.326902	sulfonamide
tetQ	Q1	367391.4176	tetracycline
tetS	Q2	371.8105175	tetracycline
tetX	Q1	34142.65581	tetracycline
vanG	Q4	0.372153299	glycopeptide
vanHB	Q3	2.526143217	glycopeptide
vanSA	Q4	0.048025706	glycopeptide
catB3	Q3	15.23395991	phenicol
catB8	Q4	0.208096452	phenicol
mdtA	Q2	404.8372543	aminocoumarin

[1] Zhang Z Y, Zhang Q, Wang T Z, et al. 2022. Assessment of global health risk of antibiotic resistance genes. *Nature Communications* 13: 1553.