

## Supplementary 2

**Table: Standard drug classes used for AMR gene classification**

Standardized Drug Class Categories	Sub-Classes	AMR Genes Present	Drugs tested with clinically applicable breakpoints	Drugs tested without clinically applicable breakpoints
Aminoglycoside		AAC(3)-IV, aadA25, ANT(2'')-Ia, APH(3')-Ia, APH(3'')-Ib, APH(4)-Ia, APH(6)-Id	Gentamicin, Spectinomycin	Neomycin
Beta-Lactam	Cephalosporin( <b>C</b> ), Penicillin( <b>P</b> )	PBP3_mut, OXA-2, OXA-192, ROB-1, ROB-2, ROB-5, ROB-7	Ceftiofur( <b>C</b> ), Penicillin( <b>P</b> )	Ampicillin( <b>P</b> )
Macrolide+	Macrolide( <b>M</b> ), Lincosamide( <b>L</b> ), Streptogramin	Erm(42), ErmF, mphE( <b>Macrolide only</b> ), msrE	Gamithromycin( <b>M</b> ), Tildipirosin( <b>M</b> ), Tilmicosin( <b>M</b> ), Tulathromycin( <b>M</b> )	Clindamycin( <b>L</b> ), Tylosin( <b>M</b> )
Phenicol		CAT, floR, pp-flo	Florfenicol	
Sulfonamide		sul2		Sulphadimethoxine, Trimethoprin-sulfameth
Tetracycline		tet(D), tet(H)	Tetracycline	
Fluoroquinolone			Danofloxacin, Enrofloxacin	
Pleuromutilin				Tiamulin
Diaminopyrimidine		dfrA14		
Elfamycin		EF-Tu_mut		