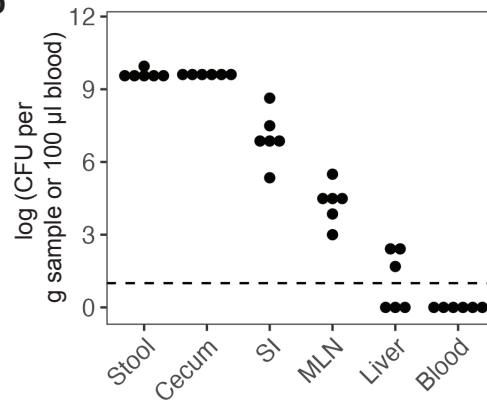


a

	Antibiotic	MKP103	xyIR-L4	xyIR-Tn1
1	Ampicillin	>256	>256	>256
2	Vancomycin	>256	>256	>256
3	Neomycin	256	ND	ND
4	Metronidazole	>256	ND	ND
5	Ciprofloxacin	>32	ND	ND
6	Azithromycin	>256	ND	ND
7	Rifaximin	>256	ND	ND

ND = not determined

b

C

	Antibiotic	Drug class	Mechanism	Target
1	Cocktail (AMNV)	See Below	See Below	See Below
2	Ampicillin (A)	beta-lactam, penicillin	Inhibits cell wall synthesis	Many gram-positive and some gram-negative bacteria
3	Metronidazole (M)	Nitroimidazole	Destabilizes DNA	Anaerobes
4	Neomycin (N)	Aminoglycoside	Inhibits protein synthesis	Gram-positive and -negative bacteria
5	Vancomycin (V)	Glycopeptide	Inhibits cell wall synthesis	Gram-positive bacteria
6	Ciprofloxacin	Fluoroquinolone	Inhibits DNA gyrase	Some gram-positive and many gram-negative bacteria
7	Azithromycin	Macrolide	Inhibits protein synthesis	Many gram-positive and some gram-negative bacteria
8	Rifaximin	Rifamycins	Inhibits RNA polymerase	Gram-positive and -negative bacteria