



Supplementary Table

Table S1. Antimicrobial resistance profile of staphylococci recovered from dairy cows' mastitis cases from two counties, Kenya.

Isolate ID	Antibiotic Resistant gene expressed	Phenotypic resistance profile
457(1) ¹	<i>blaZ, tetM, ermB, msrA</i>	AMP, FOX, ERY, TET
803(1) ²	<i>blaZ, strB, msrA</i>	AMP, FOX, STR, ERY, NX
657 ¹	<i>blaZ, tetM, ermB</i>	AMP, FOX, TET
379 ¹	<i>blaZ, strB, msrA</i>	AMP, SXT, STR, ERY, TET
525 ¹	<i>blaZ, strB, msrA</i>	AMP, STR, ERY, TET
1510(1) ²	<i>blaZ, tetM, msrA</i>	AMP, FOX, C, ERY, TET, CIP
244 ²	<i>tetM, strB, ermB</i>	AMP, FOX, SXT, STR, GEN, TET, C
1530 ²	<i>blaZ, strB, ermB</i>	AMP, FOX, SXT, STR, GEN, ERY, TET, CIP, C
683 ²	<i>blaZ, tetM, strB</i>	AMP, FOX, STR, TET
37 ¹	<i>blaZ, strB</i>	AMP, FOX, SXT, STR, ERY, TET
65(4) ¹	<i>blaZ, msrA</i>	AMP, FOX, SXT, STR, ERY, GEN, TET, C
242(2) ¹	<i>blaZ, strB</i>	AMP, FOX, STR, ERY, GEN, TET, C
247(2) ¹	<i>blaZ, ermB</i>	AMP, FOX, STR, GEN, ERY, TET, NX, C,
5(KRF) ¹	<i>blaZ, msrA</i>	AMP, FOX, SXT, ERY
482(2) ¹	<i>blaZ, tetM</i>	AMP, FOX, TET,
1338 ¹	<i>blaZ, msrA</i>	AMP, SXT, ERY, CIP
908(1) ¹	<i>blaZ, tetM</i>	AMP, STR, SXT, TET
253(1) ¹	<i>blaZ, tetM</i>	AMP, TET
187 ¹	<i>blaZ, strB</i>	AMP, STR, TET
474 ¹	<i>blaZ, strB</i>	AMP, SXT, STR, ERY, TET
806 ²	<i>blaZ, strB</i>	AMP, TET
1512 ²	<i>blaZ, tetM</i>	AMP, TET
1604 ²	<i>blaZ, ermB</i>	AMP, FOX, SXT, ERY, TET
1579 ²	<i>blaZ, msrA</i>	AMP, SXT, STR, GEN, ERY, C
1247 ²	<i>blaZ, tetM</i>	AMP, TET, C
1189 ²	<i>blaZ, strB</i>	AMP, STR, NX
1609 ²	<i>blaZ, ermB</i>	AMP, ERY
472(2) ²	<i>blaZ, strB</i>	AMP, FOX, STR
1178 ²	<i>blaZ, tetM</i>	AMP, ERY, CIP, TET

Only staphylococci isolates carrying ≥ 2 antibiotic resistant genes are shown in Table S1; ¹*Staphylococcus aureus*, ²Coagulase-negative staphylococci, FOX cefoxitin, AMP ampicillin, ERY erythromycin, TET tetracycline, C chloramphenicol, GEN gentamicin, STR streptomycin, SXT trimethoprim-sulfamethoxazole, CIP ciprofloxacin and NX, norfloxacin.