Supplementary Materials: Prevalence of Methicillin-Resistant *Staphylococcus aureus* and Other *Staphylococcus* Species in Raw Meat Samples Intended for Human Consumption in Benin City, Nigeria: Implications for Public Health

Etinosa O. Igbinosa, Abeni Beshiru, Lucy U. Akporehe, Faith E. Oviasogie and Owen O. Igbinosa

Table S1. Antimicrobial agents, disc content and zone diameter interpretative standards for *Staphylococcus* species.

Antibiotics Group	Antimicrobial Agent	Disc Content	Zone Diameter (mm)		
			Resistant	Intermediate	Sensitive
Penicillins	Methicillin	5 μg	≤9	10–13	≥14
	Cloxacillin	5 μg	≤10	11–12	≥13
	Penicillin	10 μg	≤28	-	≥29
	Amoxicillin	10 μg	≤19	-	≥20
Macrolides	Erythromycin	15 μg	≤13	14–22	≥23
Aminoglycosides	Gentamycin	10 μg	≤12	13–14	≥15
	Kanamycin	30 μg	≤13	14–17	≥18
Lincosamides	Clindamycin	2 μg	≤14	15–20	≥21
Phenicols	Chloramphenicol	30 μg	≤12	13–17	≥18
Folates	Trimethoprim-Sulfamethoxazole	1.25 μg	≤10	11–15	≥16
Glycopeptides	Vancomycin	30 μg	-	-	≥15

Source: CLSI [1].

Table S2. Staphylococci species isolated from pork samples.

Isolates Code	Identification	Max Score	Total score	Query Cover %	E-Value	Identity %	Accession
P1	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
P2	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P3	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P4	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P5	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
P6	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
P7	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P8	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P9	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P10	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
P11	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P12	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P13	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
P14	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
P15	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP010942.1
P16	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP000029.1
P17	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP009046.1
P18	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP010942.1
P19	*Staphylococcus saprophyticus*	97.6	97.6	100%	1e-17	100%	KT372842.1
P20	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP000029.1
P21	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	HG813242.1
P22	*Staphylococcus sciuri*	95.6	95.6	100%	5e-17	100%	FN646076.1
P23	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	HG326660.1
P24	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP009046.1
P25	*Staphylococcus saprophyticus*	97.6	97.6	100%	1e-17	100%	KT372841.1
P26	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	AF269843.1

Table S3. Staphylococci species isolated from beef samples.

Isolates Code	Identification	Max Score	Total Score	Query Cover %	E-Value	Identity %	Accession
B1	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	FJ577582.1
B2	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
B3	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
B4	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
B5	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	FJ577582.1
B6	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
B7	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP000029.1
B8	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
B9	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
B10	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
B11	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
B12	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
B13	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
B14	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	AE015929.1

Table S4. Staphylococci species isolated from chicken samples.

Isolates Code	Identification	Max Score	Total Score	Query Cover %	E-Value	Identity %	Accession
C1	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	CP000029.1
C2	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
C3	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
C4	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1
C5	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	FJ577582.1
C6	*Staphylococcus xylosus*	97.6	97.6	100%	1e-17	100%	KT351728.1
C7	*Staphylococcus epidermidis*	89.7	89.7	100%	3e-15	98%	AF269843.1
C8	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
C9	*Staphylococcus aureus*	97.6	97.6	100%	1e-17	100%	FN646074.1
C10	*Staphylococcus aureus*	85.7	85.7	87%	5e-14	100%	JF170962.1

References

1. Clinical and Laboratory Standards Institute (CLSI). *Performance Standards for Antimicrobial Susceptibility Testing*; Twenty-Fourth International Supplements; Clinical and Laboratory Standards Institute: Wayne, PA, USA, 2014; p. 230.