

Supplementary Materials

Table S1. Primers for detecting QRDRs mutations in fluoroquinolone-resistant NAS

Target gene	Species		Primer sequence (5'→3')	Amplicon size (bp)	PCR condition
<i>gyrA</i>	All species	F	AATGAACAAGGTATGACACC	368	95°C 5 min+28X (95°C 30 s+50°C 30 s +72°C 40 s)+72°C 5 min
		R	GCGATACCTGATGCACCATT		
<i>gyrB</i>	<i>Staphylococcus agnetis</i>	F	AGTGACACGTCGTAAGTCGG	612	95°C 5 min+28X (95°C 30 s+53°C 30 s +72°C 40 s)+72°C 5 min
		R	TGAAGCATCGCACGGTTTTTC		
	<i>Staphylococcus arlettae</i>	F	TGGCTCGTGTTCATTGTCGAA	790	
		R	GTCGCATACACTGCGTTGTC		
	<i>Staphylococcus nepalensis</i>	F	AAAAAGCGCGTGAAGTGACA	696	
		R	GGTTCTCAACAACATCGCCC		
	<i>Staphylococcus chromogenes</i>	F	GAAACACGGGGACCCTCAAT	545	95°C 5 min+28X (95°C 30 s+54°C 30 s +72°C 40 s)+72°C 5 min
		R	TTCGGATATGGGCACCATCG		
	<i>Staphylococcus lentus</i>	F	AGAGCTCGTCTAGCAGCGAA	681	
		R	CGTTTCGTCAGCTTCTATCGC		
	<i>Staphylococcus simulans</i>	F	CCTCTCGTGCACGTATCGCA	300	95°C 5 min+28X (95°C 30 s+48°C 30 s +72°C 40 s)+72°C 5 min
		R	TGATATGCGCACCATCCACA		
<i>parC</i>	<i>S. agnetis</i>	F	TTACCTGATGTACGCGACGG	922	95°C 5 min+28X (95°C 30 s+54°C 30 s +72°C 40 s)+72°C 5 min
		R	GTCGACCTTCACTGATCGCT		
	<i>S. lentus</i>	F	ATCCAAGACCGAGCACTTCC	575	
		R	CCGGTAGGGAAATCAGGTCC		
	<i>S. arlettae</i>	F	ACCCGATGTACGTGATGGTT	257	95°C 5 min+28X (95°C 30 s+53°C 30 s +72°C 40 s)+72°C 5 min
		R	ATAGCTGCTGCAGGGTTCATT		
	<i>S. chromogenes</i>	F	CGTCGGGGATGTCATTGGAC	162	95°C 5 min+28X (95°C 30 s+50°C 30 s +72°C 40 s)+72°C 5 min
		R	GTATAACGCATCGCAGCAGG		
	<i>S. nepalensis</i>	F	TTGGCGACCGATTTGGTAGAT	309	
		R	TAGCTGCTGCTGGATCGTTA		
	<i>S. simulans</i>	F	GTGCCAAAACAGTCGGTGAT	364	95°C 5 min+28X (95°C 30 s+52°C 30 s +72°C 40 s)+72°C 5 min
		R	AAGTTGTGCGGCGGAATATC		
<i>parE</i>	<i>S. agnetis</i>	F	GGGTGGGTCTGCAAACTTG	308	95°C 5 min+28X (95°C 30 s+52°C 30 s +72°C 40 s)+72°C 5 min
		R	GTAACGCGATAAACACGCGA		
	<i>S. nepalensis</i>	F	AGCCCAACAAGCAAGAGAAG	649	
		R	TGTCTCTGGGTTCATTGTCGT		
	<i>S. arlettae</i>	F	TTAGGTACACCGGAAGCACG	566	95°C 5 min+28X (95°C 30 s+53°C 30 s +72°C 40 s)+72°C 5 min
		R	ACACGTCCTGCCAACACTAA		
	<i>S. chromogene</i>	F	TAGGGACACCTGAAGCGAGA	851	
		R	ACGACGTGGGGCAACTTTAT		
	<i>S. simulans</i>	F	CGCGTCGCATTGGTGAATTA	628	
		R	CCATCTGTATCGGCATCGGT		
	<i>S. lentus</i>	F	CGATTAAAGCACAACAAGCAAG	393	
		R	GCGCACCATCAGTATCAG		

QRDR, quinolone-resistance determining region; NAS, non-*aureus* staphylococci; PCR, polymerase chain reaction.

Table S2. Antimicrobial resistance profiles of 100 NAS strains isolated from poultry slaughterhouses

NAS species	Strain	AMR profiles
<i>Staphylococcus agnetis</i> (n=17)	CCSM-112	AMP-PEN-CIP-FUS-GEN
	CCSM-151	CIP-FUS
	CCSM-1101	CHL-FUS
	CCSM-1112	CHL-FUS
	CSSM-231	AMP-PEN-FUS-GEN
	CSSM-241	AMP-PEN-FUS-GEN
	CSSM-2101	AMP-PEN-FUS-GEN
	CSSM-2111	AMP-PEN-CIP-FUS-GEN
	CGSM-1131EA	AMP-PEN-CIP-CLI-ERY-FUS-GEN
	CGSM-132EB	AMP-PEN-CLI-ERY-GEN-TET
	CGSM-162EA	AMP-PEN-CIP-CLU-ERY-FUS-GEN
	CGSM-172EA	AMP-PEN-CIP-CLI-ERY-FUS-GEN-TET
	CGSM-1102EA	AMP-PEN-CIP-FUS-GEN
	CGSM-1102EA	AMP-PEN-CIP-CLI-ERY-FUS-GEN-TET
	CGSM-1122EA	AMP-PEN-CIP-FUS-GEN
	CGSM-1172EA	AMP-PEN-CIP-FUS-GEN
	CGSE-103EB	AMP-PEN-CLI-ERY-GEN-TET
<i>Staphylococcus chromogenes</i> (n=1)	CCSM-1181	AMP-PEN-CHL-CIP-CLI-ERY-TET
	CGSM-191EA	AMP-PEN-CIP-CLI-ERY-FUS-GEN
<i>Staphylococcus alrettiae</i> (n=8)	CSSE-103	AMP-PEN-CHL-CIP-CLI-ERY-FUS-TET
	CSSM-161	AMP-PEN-CHL-CIP-CLI-ERY-FUS
	CSSM-172	AMP-PEN-CHL-CIP-CLI-ERY-FUS-TET
	CSSM-111	AMP-PEN-CHL-CIP-ERY-FUS
	CSSM-1132	AMP-PEN-CHL-CLI-ERY-FUS-TET
	CSSM-1142	AMP-PEN-CIP-CLI-ERY-FUS
	CSSM-1192	AMP-PEN-CHL-CIP-CLI-ERY-FUS
	CSSE-102	AMP-PEN-CHL-CIP-ERY-FUS
<i>Staphylococcus epidermidis</i> (n=1)	CJSM-112	AMP-FOX-PEN-ERY-FUS
<i>Staphylococcus lentus</i> (n=11)	CSSM-191	PEN-CHL-CIP-CLI-ERY-FUS
	CSSM-1112	AMP-FOX-PEN-CHL-CIP
	CSSM-1122	CHL-CIP-CLI-ERY-TET
	CSSE-104	FUS
	CSSM-221	AMP-FOX-PEN-CIP-ERY-FUS-SXT
	CSSM-2131	AMP-PEN-CLI-ERY-FUS
	CSSM-2141	AMP-FOX-PEN-CHL-FUS-SXT
	CGSM-1111-10	CIP-CLI-ERY-SXT-TET
	CGSM-1181	CHL-CIP-CLI-FUS-SXT
	CGSE-102-10	CHL-CLI-ERY-FUS-SXT
	CSSM-151	AMP-FOX-PEN-CHL-CIP-CLI-ERY-FUS

Table S2. Antimicrobial resistance profiles of 100 NAS strains isolated from poultry slaughterhouses (continued)

NAS species	Strain	AMR profiles
<i>Staphylococcus sciuri</i> (n=4)	CSSM-181	AMP-PEN-FUS
	CCSM-172	FUS
	CSSM-122	CHL-FUS
	CSSM-141	AMP-PEN-FUS
<i>Staphylococcus warneri</i> (n=3)	CSSM-1181	CLI-ERY-SYN
	CSSM-112	CLI-ERY-SYN
	CSSM-1102	CLI-ERY-SYN
<i>Staphylococcus xylosus</i> (n=4)	CSSM-1182	AMP-PEN-FUS
	CSSM-1171	AMP-PEN-FUS
	CSSM-132	AMP-PEN-FUS
	CSSM-1152	PEN-FUS
<i>Staphylococcus simulans</i> (n=49)	CSSM-131	CHL-CIP-CLI-ERY-TET
	CCSM-162	-
	CCSM-1191	-
	CSSM-1101	CIP-CLI-ERY
	CSSM-1151	CHL-CLI-ERY
	CSSM-162	CIP-TET
	CSSM-182	AMP-PEN-CLI-ERY
	CSSM-1162	CIP-TET
	CSSM-1202	AMP-PEN-CLI-ERY
	CSSE-101	AMP-PEN-CHL-CLI-ERY
	CSSM-251	AMP-FOX
	CSSM-291	CHL-CIP
	CSSM-2161	CHL-CIP-ERY-TET
	CSSM-2171	AMP-PEN
	CSSM-2181	CHL
	CSSM-2191	FOX-FUS
	CSSM-2201	-
	CGSM-141EB	CIP-CLI-ERY
	CGSM-151	CLI-ERY
	CGSM-151-10	CLI-ERY
	CGSM-161	CHL-CLI-ERY-TET
	CGSM-161-10	CHL-CIP-ERY-FUS-SXT
	CGSM-181	CLI-ERY
	CGSM-181-10	CHL-CLI-ERY-FUS
	CGSM-191EB	CLI-ERY
	CGSM-1101	CHL-CLI-ERY
	CGSM-1121-10	CHL-CLI-ERY

Table S2. Antimicrobial resistance profiles of 100 NAS strains isolated from poultry slaughterhouses (continued)

NAS species	Strain	AMR profiles
	CGSM1131-10	CHL-CLI-ERY
	CGSM-1141-10	CLI-ERY
	CGSM-1151-10	CHL-CLI-ERY-SXT
	CGSM-1151EA	CHL-CLI-ERY
	CGSM-1161-10	CLI-ERY
	CGSM-1171-10	CHL-CLI-ERY-SXT
	CGSM-1181-10	CHL-CLI-ERY-SXT
	CGSM-1191-10	CHL-CLI-ERY-SXT
	CGSM-1191	CHL-CLI-ERY
	CGSM-1201-10	CHL-CLI-ERY
	CGSM-112-10	CLI-ERY
	CGSM-142EA-10	CHL-CLI-ERY-SXT
	CGSM-142	CLI-ERY
	CGSM-162EA-10	CLI-ERY
	CGSM-192EB	CHL-CLI-ERY
	CGSM-1142-10	CHL-CLI-ERY
	CGSM-1152	CHL-CLI-ERY-SXT
	CGSM-1182	CHL-SXT
	CGSE-102	CHL-CLI-ERY-SXT
	CGSE-103-10	CLI-ERY
	CGSE-105	CHL-CLI-ERY-SXT
	CSSM-152	CIP-CLI-ERY
<i>Staphylococcus ureilyticus</i> (n=1)	CSSM-261	CHL-CIP-CLI-ERY-FUS

NAS, non-*aureus* staphylococci; AMR, antimicrobial resistance; AMP, ampicillin; PEN, penicillin; CIP, ciprofloxacin; FUS, fusidic acid; GEN, gentamycin; FOX, ceftiofur; CHL, chloramphenicol; CLI, clindamycin; ERY, erythromycin; MUP, mupirocin; RIF, rifampin; SXT, trimethoprim-sulfamethoxazole; SYN, quinupristin-dalfopristin; TET, tetracycline.