

Table S1. Primers used for screening of resistance determinants in *CoNS*.

Antimicrobial	Gene	Primer sequence 5'-3'	Amplicon size (bp)	References
Penicillin	<i>blaZ</i>	F: CAAAGATGATATAGTTGCTTATTCTC R: TGCTTGACCACTTTTATCAGC	400	[1]
Oxacillin	<i>mecA</i>	F: AAAATCGATGGTAAAGGTTGGC R: AGTTCTGGCACTACCGGATTTCG	533	[2]
	<i>mecC</i>	F: GAAAAAAGGCTTAGAACGCCTC R: GAAGATCTTTCCGTTTTCAGC	138	[3]
Tetracycline	<i>tetK</i>	F: TTATGGTGGTTGTAGCTAGAAA R: AAAGGGTTAGAACTCTTGAAA	348	[4]
	<i>tetM</i>	F: GTGGACAAAGGTACAACGAG R: CGGTAAAGTTCGTACACAC	406	[5]
	<i>tetL</i>	F: TGGTGAATGATAGCCATT R: CAGGAATGACAGCACGCTAA	229	[4]
Fusidic acid	<i>fusB</i>	F: CCGTCAAAGTTATTCAATCG R: ACAATGAATGCTATCTCGACA	492	[6]
	<i>fusC</i>	F: GGACTTTATTACATCGATTGAC R: CTGTCATAACAAATGTAATCTCC	411	
	<i>fusD</i>	F: AATTCGGTCAACGATCCC R: GCCATCATTGCCAGTACG	465	
Macrolides	<i>msr(A/B)</i>	F: TCCAATCATAGCACAAAATC R: AATTCCTCTATTTGGTGGT	162	[7]
	<i>mph(C)</i>	F: ATGACTCGACATAATGAAAT R: CTACTCTTTCATACCTAACTC	900	
	<i>ermA</i>	F: TCTAAAAAGCATGTAAAAGAA R: CTTGATAGTTTATTAATATTAG	645	
	<i>ermB</i>	F: GAAAAGTACTCAACCAAATA R: AGTAACGGTACTTAAATTGTTTA	639	
	<i>ermC</i>	F: TCAAAACATAATATAGATAAA R: GCTAATATTGTTTAAATCGTCAAT	642	
Streptogramins	<i>vga(A)</i>	F: AGTGGTGGTGAAGTAACACG R: GGTTCAACTCAATCGACTGAG	1264	
Aminoglycosides	<i>aac(6')-Ie-aph(2'')-Ia</i>	F: CAGGAATTTATCGAAAATGGTAGAAAAG R: CACAATCGACTAAAGAGTACCAATC	369	[8]
	<i>aph(2'')-Ic</i>	F: ATACAATCCGTCGAGTCGCT R: GTTGGCCTTATCCTCTTCCA	837	[9]
Oxazolidinone	<i>cfr</i>	F: TGAAGTATAAAGCAGGTTGGGAGTCA R: ACCATATAATTGACCACAAGCAGC	746	[10]
	<i>rplC</i>	F: GCGCTTCATTTCGTGAATTCAA R: TTCTTTCTGCATCGACACGTACAA		[11]
	<i>rplD</i>	F: ACGATGCAATCGTAATGCAA R: TTCAGCAACTTTTCTGACAA		
	<i>rplV</i>	F: GGACATGCTGCTGACGATA R: ACCATTTAGCATCCCAGTCG		
	<i>oprA</i>	F: TACTTGATGAACCTACTAACCA R: CCTTGAACACTGATTCTCGG	422	[12]

Table S2a. Antibiotic resistance profiles in *Staphylococcus* spp. isolated from ready-to-eat food.

Species	Phenotyping resistance profiles	Number (%) of strains	Number of antibiotics
<i>S. carnosus</i> (n=9)	P, CN, QD, NOR*, E*, FOX, DA, RD, FD	1 (11.1)	9
	P, QD*, E*, FOX, DA, RD, FD	1 (11.1)	7
	P, FOX, DA*, FD	1 (11.1)	4
	E, FD	1 (11.1)	2
	QD*	1 (11.1)	1
	-	4 (44.4)	0
<i>S. epidermidis</i> (n=21)	LZD, P, CN, QD, NOR*, E*, FOX, DA, RD, FD	1 (4.8)	10
	P, CN, QD*, NOR*, E*, FOX, DA, RD, FD	1 (4.8)	9
	P, CN, QD, NOR*, E*, FOX, DA, RD, FD	1 (4.8)	8
	P, CN, QD, E*, FOX, DA, RD	2 (9.5)	7
	F, LZD, QD, E*, FOX, DA	1 (4.8)	6
	P, E*, FOX, DA, RD	1 (4.8)	5
	P, QD, E*, FOX, DA	1 (4.8)	5
	P, E, DA	1 (4.8)	3
	P, E, FOX	1 (4.8)	3
	E*, FOX, FD	1 (4.8)	3
	P, E*	1 (4.8)	2
	P, FD	1 (4.8)	2
	E, FD	3 (14.3)	1
	E*	2 (9.5)	1
	-	3 (14.3)	0
<i>S. haemolyticus</i> (n=4)	P, CN, NOR*, E, FOX	1 (25)	5
	P, CN, QD*, FOX, FD	1 (25)	5
	P, NOR*, FOX, DA*	1 (25)	4
	P, TE, FD	1 (25)	3
<i>S. lentus</i> (n=2)	P	1 (50)	1
	-	1 (50)	0
<i>S. lugdenensis</i> (n=1)	P, CN, QD, FOX, RD, FD	1 (100)	6
<i>S. pasteurii</i> (n=5)	P, E, FOX, DA, RD, FD	1 (20)	6
	P, CN*, QD, E*, FOX, DA	1 (20)	6
	FD	2 (20)	1
	P	1 (20)	1
	E	1 (20)	1
<i>S. petrasii subsp. petrasii</i> (n=4)	P, CN, QD, FOX, DA	1 (25)	5
	F, C*	1 (25)	2
	C	1 (25)	1
	-	1 (25)	0
<i>S. piscifermentans</i> (n=2)	P, CN, QD, E*, FOX, DA	1 (50)	6
	FD	1 (50)	1
<i>S. saprophyticus</i> (n=6)	P, E, FOX, DA, RD, FD	1 (16.7)	6
	P, QD, FOX, DA	1 (16.7)	4
	P, E*, DA	1 (16.7)	3
	E, FD	1 (16.7)	2
	P	1 (16.7)	1
	-	1 (33.3)	0
<i>S. simulans</i> (n=9)	P, QD, E*, FOX, DA, RD	1 (11.1)	6
	P, CN*, FOX, RD*, FD	1 (11.1)	5
	P, FD	1 (11.1)	2
	TE*	1 (11.1)	1
	P	2 (22.2)	1
	-	4 (44.4)	0

<i>S. warneri</i> (n=14)	LZD, P, C, CN, QD, E, FOX, DA, RD	1 (7.1)	9
	P, CN, QD*, E*, FOX, DA, RD	1 (7.1)	7
	P, CN, QD, NOR*, E*, FOX, DA	1 (7.1)	7
	P, CN, QD, FOX, DA	1 (7.1)	5
	P, E, DA*	1 (7.1)	3
	P, TE	1 (7.1)	2
	P	2 (14.9)	1
	FD	2 (14.9)	1
	-	4 (28.6)	0
<i>S. xylosus</i> (n=8)	P, CN, QD, NOR*, E*, FOX, DA, RD	1 (12.5)	8
	LZD, P, CN, QD, NOR*, E*, FOX, DA	1 (12.5)	8
	P, DA*, FD	1 (12.5)	3
	P	1 (12.5)	1
	-	4 (50)	0

Abbreviations: *intermediate resistance; n= number of MR-CoNS isolated; penicillin (P-10U) - penicillinase, cefoxitin (FOX-30 µg) - penicillinase, gentamicin (CN-10 µg) - aminoglycosides, erythromycin (E-15 µg) - macrolides, tetracycline (TE30 µg) - tetracyclines, ciprofloxacin (CIP-5 µg) - fluoroquinolones, nitrofurantoin (F-300 µg) - nitrofurantoin, clindamycin (DA-2 µg) - lincosamides, trimethoprim/sulfamethoxazole (SXT-1.25/23.75 µg) - folate pathway inhibitors, chloramphenicol (C-30 µg) - phenicols, rifampin (RD-5 µg) - ansamycins, quinupristin/dalfopristin (QD-15 µg) – streptogramins and linezolid (LZD-30 µg) – oxazolidin

Table S2b. Antibiotic resistance profiles of multidrug-resistant CoNS isolated from ready-to-eat food.

Species	Phenotyping resistance profiles	Number (%) of strains	Number of antibiotics
<i>S. carnosus</i> (n=3)	P, CN, QD, NOR*, E*, FOX, DA, RD, FD	1 (33.3)	9
	P, QD*, E*, FOX, DA, RD, FD	1 (33.3)	7
	P, FOX, DA*, FD	1 (33.3)	4
<i>S. epidermidis</i> (n=9)	LZD, P, CN, QD, NOR*, E*, FOX, DA, RD, FD	1 (11.1)	10
	P, CN, QD*, NOR*, E*, FOX, DA, RD, FD	1 (11.1)	9
	P, CN, QD, NOR*, E*, FOX, DA, RD, FD	1 (11.1)	9
	P, CN, QD, E*, FOX, DA, RD, FD	1 (11.1)	8
	F, LZD, QD, E*, FOX, DA	1 (11.1)	6
	P, E*, FOX, DA, RD	1 (11.1)	5
	P, QD, E*, FOX, DA	1 (11.1)	5
	P, E*, FOX, DA, RD	1 (11.1)	5
	E*, FOX, FD	1 (11.1)	3
	P, E, FOX	1 (11.1)	3
<i>S. heamolyticus</i> (n=3)	P, CN, QD*, FOX, FD	1 (33.3)	5
	P, CN, NOR*, E, FOX	1 (33.3)	5
	P, NOR*, FOX, DA*	1 (33.3)	4
<i>S. lugdenensis</i> (n=1)	P, CN, QD, FOX, RD, FD	1 (100)	6
<i>S. pasteurii</i> (n=2)	P, CN*, QD, E*, FOX, DA	1(50)	6
	P, E, FOX, DA, RD, FD	1(50)	5
<i>S. petrasii subsp. petrasii</i> (n=1)	P, CN, QD, FOX, DA	1 (100)	5
<i>S. piscifermentans</i> (n=1)	P, CN, QD, E*, FOX, DA	1 (100)	6
<i>S. saprophyticus</i> (n=2)	P, E, FOX, DA, RD	1(50)	5
	P, QD, FOX, DA	1(50)	4
<i>S. simulans</i> (n=2)	P, QD, E*, FOX, DA, RD, FD	1(50)	7
	P, CN*, FOX, RD*, FD	1(50)	5
<i>S. warneri</i> (n=4)	P, CN, QD, FOX, DA	1(25)	5
	P, CN, QD, NOR*, E*, FOX, DA	1(25)	7
	P, CN, QD*, E*, FOX, DA, RD	1(25)	7
	LZD, P, C, CN, QD, E, FOX, DA, RD	1(25)	9
<i>S. xylosoyus</i> (n=2)	P, CN, QD, NOR*, E*, FOX, DA, RD	1(50)	8
	LZD, P, CN, QD, NOR*, E*, FOX, DA	1(50)	8

Abbreviations: *intermediate resistance; n= number of MR-CoNS isolated; penicillin (P-10U) - penicillinase, cefoxitin (FOX-30 µg) - penicillinase, gentamicin (CN-10 µg) - aminoglycosides, erythromycin (E-15 µg) - macrolides, tetracycline (TE30 µg) - tetracyclines, ciprofloxacin (CIP-5 µg) - fluoroquinolones, nitrofurantoin (F-300 µg) - nitrofurantoin, clindamycin (DA-2 µg) - lincosamides, trimethoprim/sulfamethoxazole (SXT-1.25/23.75 µg) - folate pathway inhibitors, chloramphenicol (C-30 µg) - phenicols, rifampin (RD-5 µg) - ansamycins, quinupristin/dalfopristin (QD-15 µg) - streptogramins and linezolid (LZD-30 µg) - oxazolidino

Table S3. Percentage of *Staphylococcus* spp. strains resistant to different antibiotics.

Antimicrobial agent			<i>Staphylococcus</i> sp. (n=85)			
			R (n)	R (%)	S (n)	S (%)
Penicillin	P	10	48	55.8	37	43.5
Erythromy-	E	15	34	40.0	51	60.0
Cefoxitin	FOX	30	31	36.5	54	62.8
Clindamy-	DA	2	29	34.1	56	65.9
Fusidic acid	FD	10	24	28.2	61	71.8
Quinupris-	QD	15	21	24.7	64	75.3
Gentamicin	CN	120	19	22.4	66	77.6
Rifampicin	RD	5	16	18.8	69	81.1
Linezolid	LZD	30	3	3.5	82	96.5
Chloram-	C	30	3	3.5	82	96.5
Tetracycline	T	30	3	3.5	82	96.5
Nitrofu-	F	300	1	1.2	84	98.8
Ciproflox-	CIP	5	0	0	85	100
Trime-						
thoprim/sul-	SXT	1.25/23.75	0	0	85	100
famethoxa-						
zole						

Table S4. Results of antibiotic resistance genes presence depending on the species.

Species	No. of isolates	Number (%) of strains											
		<i>blaZ</i>	<i>mecA</i>	<i>nuc</i>	<i>tetK</i>	<i>tetL</i>	<i>tetM</i>	<i>ermB</i>	<i>msrA/B</i>	<i>aac (6')-Ie aph (2'')-Ia</i>	<i>fusB/C/D</i>	<i>vgaA</i>	<i>mphC</i>
<i>S. epidermidis</i>	21	17 (81.0)	11 (52.4)	13 (61.9)	7 (33.3)	2 (9.5)	3 (14.9)	11 (52.4)	15 (71.4)	11 (52.4)	5 (23.8)	7 (33.3)	3 (14.9)
<i>S. warneri</i>	14	13 (92.9)	1 (7.1)	9 (64.3)	6 (42.9)	0	1 (7.1)	3 (21.4)	6 (42.9)	7 (50)	2 (14.3)	4 (28.6)	0
<i>S. carnosus</i>	9	9 (100)	3 (22.2)	9 (100)	5 (55.5)	0	2 (22.2)	6 (66.7)	8 (88.9)	5 (55.5)	2 (22.2)	3 (33.3)	1 (11.1)
<i>S. simulans</i>	9	6 (66.7)	0	0	1 (11.1)	0	2 (22.2)	1 (11.1)	6 (66.7)	3 (33.3)	3 (33.3)	5 (55.6)	0
<i>S. xylosus</i>	8	8 (100)	1 (12.5)	6 (75.0)	0	0	0	3 (37.5)	5 (62.5)	5 (62.5)	1 (12.5)	2 (25)	0
<i>S. saprophyticus</i>	6	4 (66.7)	1 (16.7)	5 (83.3)	3 (50)	0	5 (83.3)	0	5 (83.3)	2 (33.3)	0	2 (33.3)	0
<i>S. pasteurii</i>	5	5 (100)	2 (40.0)	3 (60.0)	2 (40)	0	1 (20)	2 (40)	2 (40)	0	0	0	0
<i>S. heamolyticus</i>	4	3 (75.0)	3 (75.0)	1 (25.0)	1 (25)	0	0	2 (50)	4 (100)	2 (50)	1 (25)	0	0
<i>S. petrasii subsp. petrasii</i>	4	4 (100)	2 (50.0)	4 (100)	2 (50)	0	0	3 (75)	4 (100)	2 (50)	0	0	0
<i>S. lentus</i>	2	2 (100)	1 (50.0)	0	0	0	0	1 (50)	1(50)	1 (50)	0	0	0
<i>S. piscifermentas</i>	2	1 (50.0)	0	1 (50.0)	0	0	0	2 (100)	2 (100)	0	1 (50.0)	0	0
<i>S. lugdenensis</i>	1	0	0	1 (100)	0	0	0	0	0	0	0	0	0
Total	85	72 (84.7)	25 (29.4)	53 (62.4)	27 (31.8)	2 (2.35)	14 (16.5)	34 (40.0)	58(68.2)	39 (45.9)	15(17.6)	26 (30.6)	4 (4.7)

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