

Table S1. List of primers used in this study

	Gene	Primer name	Primer sequence 5'-3'	PCR product (bp)	T _a	Reference
<i>S. aureus</i>	16S	16S1	GTGCCAGCAGCCGCGGTAA	886		[60]
		16S2	AGACCCGGGAACGTATTCAC			
	<i>mecA</i>	mecA1	GGGATCATAGCGTCATTATTC	527		[60]
		mecA2	AACGATTGTGACACGATAGCC			
Enterotoxins	<i>nuc</i>	nuc1	TCAGCAAATGCATCACAAACAG	255		[60]
		nuc2	CGTAAATGCACTTGCTTCAGG			
	<i>sea</i>	sea3	CCTTTGGAAACGGTAAAAACG	127		[61]
		sea4	TCTGAACCTTCCCATCAAAAAC			
	<i>seb</i>	sebF	AAATACGTAGATGTGTTTGGAGC	374	58°C	This study
		sebR	GGTGCAGGCATCATGTCATAC			
	<i>sec</i>	sec3	CTCAAGAACTAGACATAAAAGCTAGG	271		[61]
		sec4	TCAAAATCGGATTAACATTATCC			
	<i>sed</i>	sed3	CTAGTTTGGTAATATCTCCTTTAAACG	319		[61]
		sed4	TTAATGCTATATCTTATAGGGTAAACATC			
	<i>see</i>	seeF	TACCAATTAACCTTGTGGATAGAC	171		[62]
		seeR	CTCTTTGCACCTTACCGC			
	<i>seg</i>	seg1	TGCTATCGACACACTACAACC	704		[63]
		seg2	CCAGATTCAAATGCAGAACC			
	<i>seh</i>	seh-1	GTCTATATGGAGGTACAACACT	213		[64]
		seh-2	GACCTTTACTTATTTTCGCTGTC			
	<i>sei</i>	sei1	GACAACAAAACGTGTCGAAACTG	630		[63]
		sei2	CCATATTCTTTGCCTTTACCAG			
	<i>sej</i>	sejF	GCATGATAAAAAGAATCAGCCAGC	1338	58°C	This study
		sejR	GCATATACGGGGGCGTTAC			
<i>selk-selq</i> *		QF	TAGCATATGCTGATGTAGGGGT	1200	58°C	This study
		KR	CTTCTCCTTTTTTAGTGCCGTTATG			
<i>ser</i> **		serF	CCAGATCCAAGACCTGGAGAA	1123	58°C	This study
		serR	CATCAGAAGCTGTTGTTCCGCT			

Antimicrobials	<i>blaZ</i>	blaZ1	ATGTAATTCAAACAGTTCACATGCC	701	57°C	This study
		blaZ2	ATAGGTTCAGATTGGCCCTTAGG			
Biofilm	<i>icaA</i>	icaAF	CCTAACTAACGAAAGGTAG	1315 bp		[65]
		icaAR	AGATATAGCGATAAGTGC			
Virulence	<i>tst</i>	TST1	TTCACTATTTGTAAAAGTGTGACACCCACT	180 bp		[66]
		TST2	TACTAATGAATTTTTTATCGTAAGCCCTT			
	PVL	Pv1	ATCATTAGGTAAAATGTCTGGACATGATCCA	433 bp		[46]
		Pv2	GCATCAASTGTATTGGATAGCAAAAGC			
Enterotoxin gene cluster	<i>egc</i>	tSerF	AAAGTGTGTAGGCGCCAC	755 bp	56°C	This study
		selOR	CATTATCCTTATACACAGCTACTCC			
		selOF	TGCAATATGTAGTGTAACAATG	1380 bp	52°C	This study
		selmvR3	CATTAAACCCAAAGATTAATAGGAATA			
		selmvF	GCTGAATTTAAGAACGTTGA	1064 bp	50°C	This study
		seiR	TGTTATTATGACCATATATATTGTATTC			
		seiF1	GCCACTTTATCAGGACAATAC	1736 bp	51°C	This study
		selnR2	GTAAAGCCTACACATTTATTTCC			
		2427F†	AGGACAATACTTAAATTCTGCT	1338 bp	53°C	This study
		3758R†	TCTCCCTCAATTTTTTGGT			
		3082F†	GAATTCCTGGTCTAATGGAT	1153 bp	53°C	This study
		4215R†	TCTCTTCATCTAATTGATTCCA			
		selnF	CAGATTTAGCAAATCAATTTAAAG	1311 bp	55°C	This study
		segR3	GTCTTGCTTTGTAATCTAGTTC			
		segF	CTCCACCTGTTGAAGGAAGAG			
		HPR1***	TATCATTTCCACTGGAGAATCATG	1338 bp	56°C	This study
		HPR2***	GTGATATCAAACCAAACAGACC	870 bp	56°C	This study

*Amplifies 1200 bp comprising part of both genes (*selk* and *selq*).

** *ser* gene is located along with *sej*, these primers amplify a fragment of both genes.

† Amplifies a fragment of *egc* cluster reluctant in several strains with primers seiF-selnR2.

*** HPR1 or HPR2 were used as reverse primers with segF depending on the strain comprising part of the mentioned genes.

