

Table S1.Oligonucleotide primer sequences used for PCR assays

Primer use	Target gene	Nucleotide sequence (5'→3')	Annealing temperature (°C)	Amplicon size (bp)	References
Streptococci identification					
<i>Streptococci</i> species	<i>tuf</i>	F: GTACAGTTGCTTCAGGACGTATC R: ACGTTCGATTTTCATCACGTTG	50	196	[28]
<i>S. uberis</i>	16S rRNA	F:GTACCCTATTTAAAAGGGGCAAAT R:CTCCGATGTACCGAAGTAAAGCTCT	49.5	854	[29]
Virulence related genes					
CAMP factor	<i>cfu</i>	F:TATCCCGATTTGCAGCCTAC R:CCTGGTCAACTTGTGCAACTG	50	205	[11]
Oligopeptide binding protein	<i>opp</i>	F:GGCCTAACCAAAACGAAACA R:GGCTCTGGAATTGCTGAAAG	54	419	[9]
Adhesion molecule	<i>sua</i>	F:ACGCAAGGTGCTCAAGAGTT R:TGAACAAGCGATTTCGTCAAG	58	776	Accession number DQ232760
Plasminogen activator	<i>pauA</i>	F:TGCTACTCAACCATCAAAGGTTGC R:TAGCAGTCTCAGTAGGATGAGTGA	57	439	
Streptokinase activator	<i>skc</i>	F:TCCGGATTTTGGGTCCTTAGCCA R:AGTCGACTTTGCGCCTGATGCAC	52	475	[30]
Antimicrobial resistance genes					
Penicillins	<i>blaZ</i>	F: AAGAGATTTCCTATGCTTC R: GCTTGACCACTTTTATCAGC	45	517	[31]
Phenicol	<i>fexA</i>	F: GTACTTGTAGGTGCAATTACGGCTGA R: CGCATCTGAGTAGGACATAGCGTC	56	1272	[32]
Aminoglycosides	<i>aac(6')aph (2'')</i>	F: GAAGTACGCAGAAGAGA R: ACATGGCAAGCTCTAGGA	54	491	[33]
Tetracyclines	<i>tet(M)</i>	F: GTGGACAAAGGTACAACGAG R: CGGTAAAGTTCGTACACAC	50	406	[34]
	<i>tet(O)</i>	F: AACTTAGGCATTCTGGCTCAC R: TCCCACTGTTCCATATCGTCA	56	515	[35]
	<i>tet(L)</i>	F: TCGTTAGCGTGCTGTCATTC R: GTATCCCACCAATGTAGCCG	50	267	[34]
	<i>tet(K)</i>	F: TCGATAGGAACAGCAGTA R: CAGCAGATCCTACTCCTT	44	169	[34]
	<i>erm(A)</i>	F: GTTCAAGAACAAATCAATACAGAG R: GGATCAGGAAAAGGACATTTTAC	48	421	[36]
Macrolides	<i>erm(B)</i>	F: CATTTAACGACGAAACTGGC R: GGAACATCTGTGGTATGGCG	51	425	[37]
	<i>erm(C)</i>	F: ATCTTTGAAATCGGCTCAGG R: CAAACCCGTATTCCACGATT	47	295	[38]
Sulphonamide	<i>sulI</i>	F: CGGCGTGGGCTACCTGAACG R: GCCGATCGCGTGAAGTTCCG	60	433	[39]
Trimethoprim	<i>dfrA</i>	F: TGGTAGCTATATCGAAGAATGGAGT R: TATGTTAGAGGCGAAGTCTTGGGTA	60	425	[40]
Biocide resistance genes					
Quaternary ammonium compounds	<i>qacA/B</i>	F: GCAGAAAGTGCAGAGTTCG R: CCAGTCCAATCATGCCTG	53	361	[41]
	<i>qacC/D</i>	F: GCCATAAGTACTGAAGTTATTGGA R: GACTACGGTTGTTAAGACTAAACCT	53	195	[41]
	<i>qacEDI</i>	F:TAAGCCCTACACAAATTGGGAGATAT R:GCCTCCGCAGCGACTTCCACG	58	362	[42]
PCR-RFLP					
	16S rRNA	F:GAGAGTTTGATCCTGGCTCAGGA R:CGGGTGTTACAACTCTCGTGGT	55	1400	[29]

PCR-RFLP, polymerase chain reaction- restriction fragment length polymorphism; bp, base pair