

Table S2. Molecular primers used for antibiotic resistance genes and virulence genes detection.

Marker gene	Primer	Gene target	Primer sequence (5'–3')	Annealing (°C)	Size (bp)	Reference
Glycosyl hydrolase	hylEfm-F hylEfm-R	<i>hylEfm</i>	GAGTAGAGGAATATCTTAGC AGGCTCCAATTCTGT	50	661	[50]
Cell wall-associated protein	TE34 TE36	<i>esp</i>	TTGCTAATGCTAGTCCACGACC GCGTCAACACTTGCATTGCCGAA	56	933	[51]
Insertion element IS16	IS16-F IS16-R	<i>IS16</i>	CATGTTCCACGAACCAGAG TCAAAAAGTGGGCTTGGC	53	547	[52]
C5a-peptidase	scpB-F scpB-R	<i>scpB</i>	AGCCATATGCTGCGATCTCT GGGTTGAACCAAGTGTGCTT	58	198	[53]
Hyaluronate lysase	hly-F hly-R	<i>hlyB</i>	TCCATTAAAGCCCTTGGTG GGCGCCAGTATAAGCAACAT	58	199	[53]
α C-protein	bca-F bca-R	<i>bca</i>	TAACAGTTATGATACTTCACAGAC ACGACTTTCCTCCGTCCACTTAGG	58	535	[54]
β C-protein	bac-F bac-R	<i>bac</i>	CTATTTTGATATTGACAATGCAA GTCGTTACTTCCTTGAGATGTAAC	58	592	[54]
Antiphagocytic M protein	emm-F emm-R	<i>emm</i>	TATTCGCTTAGAAAATTAA GCAAGTTCCTCAGCTTGTTT	58	variable	[55]
Mitogenic exotoxin Z	smeZ-F smeZ-R	<i>smeZ</i>	CTTCAATATTCATTGCAATAATTTC TGTAAGTGTGTTTTGTTAGTTGAT	58	400	[55]
Pyrogenic exotoxin A	speA-F speA-R	<i>speA</i>	ATGGAAAACAATAAAAAAGTATTG TTACTTGGTGTTAGGTAGACTTC	58	755	[56]
Pyrogenic exotoxin G	speG-F speG-R	<i>speG</i>	TGTATCTTTAGGGATTACTGATCAG CTCGACCTAAAAGCTTATCATCCTT	58	389	[55]
Streptococcal superantigen	ssa-F ssa-R	<i>ssa</i>	TCCACAGGTCAGCTTTTACAG TGATCAAATATTGCTCCAGGTG	58	502	[56]
Macrolides	mef(A)-F mef(A)-R	<i>mef(A)</i>	AGTATCATTAACTACTAGTGC TTCTTCTGGTACTAAAAGTGG	55	328	[32]
	ERMAF/Tn554-2 ERMAR/Tn544-1	<i>erm(A)</i>	TCAAAGCCTGTCGGAATTGG AAGCGGTAAACCCCTCTGAG	58	440	[57]
	ermB-1 ermB-2	<i>erm(B)</i>	CATTTAACGACGAAACTGGC GGAACATCTGTGGTATGGCG	55	405	[58]
	ErmCF/ermC-1 ErmCR/ermC-2	<i>erm(C)</i>	ATCTTTGAAATCGGCTCAGG CAAACCCGTATTCCACGATT	58	295	[57]
Lincosamides	lnu(C)-F lnu(C)-R	<i>lnu(C)</i>	AATTTGCAATAGATGCGGAGA TCATGTGCATTTTCATCA	55	400	[59]
Tn916-like transposase	Tn916-like-F	<i>Tn916-like</i>	GCCATGACCTATCTTATA	51	476	[60]

Tn916-like-R

CTAGATTGCGTCAA

N = A, C, G, and T; R = A and G; W = A and T; Y = C and T