

1. The specific formula components of the culture medium used in the research

Table S1. LB agar plate culture medium formula component

Formula /L	Content
Peptone	10.0g
Yeast extract	5.0g
Sodium chloride	5.0g
Agar	15.0g
Pure water	1000mL
pH 7.3±0.2	

2. The primers used for the detection of virulence genes in this study

Table S2. Primers sequence

Gene name	primer sequence (5'-3')	Annealing temperature	GenBank accession number
simA	F:CCAAGATTTGGTTTTTGGATGTCTG R: TGCTTGTGCTTTCTCAAGGTC	56°C	MZ913320.1
rmpA	F:ACTGGGCTACCTCTGCTTCA R: CTTGCATGAGCCATCTTTCA	57°C	KF801503.1
esrB1	F:GATCATGCCTTGCTAGCC R: TCGGCGACCAGCTTGAGA	56°C	KM267087.1
nheA	F:GGAGGGGCAAACAGAAAGTGAA R: CGAAGAGCTGCTTCTCTCGT	57°C	PQ729833.1

3. The length of gene fragments, comparison parameters, and consistency/coverage data for bacterial identification

Table S3. Sequencing and alignment parameters of 16s rna genes for 4 pathogenic bacteria

pathogenic bacteria	Query Sequence Length (bp)	Accessi on Length (bp)	Query Cover (%)	Percentage of Identity (%)	The most similar strain (Accession number)
<i>S.iniae</i>	1501	1512	99.2	99.5	<i>Streptococcus iniae</i> strain TOS07 (KP729643.2)
<i>K.pneumoniae</i>	1455	1447	98.8	99.1	<i>Klebsiella pneumoniae</i> strain X11 (MZ389264.1)
<i>E.tarda</i>	1486	1508	99.0	98.9	<i>Edwardsiella tarda</i> strain ETY (GQ180181.1)
<i>B.cereus</i>	1445	1430	98.3	97.7%	<i>Bacillus cereus</i> strain J55 (PV242267.1)