

Supplementary Materials

Table S1. DNA sequences of oligonucleotide PCR primers.

Target gene and function	Sequence (5' – 3')	Amplicon size (bp)	Ta ¹ / extension time	Source
<i>magA</i> : mucoviscosity associated gene A: (serotype K1); for capsular serotyping	F: GGTGCTCTTTACATCATTGC R: GCAATGGCCATTTGCGTTAG	1283 bp	53 °C / 90 s	[35]
capsular serotype K2 gene (<i>wzy</i>): plays a vital role in the synthesis of the lipopolysaccharide (LPS); for capsular serotyping	F: GACCCGATATTCATACTTGACAGAG R: CCTGAAGTAAATCGTAAATAGATGGC	641 bp	57 °C / 50 s	[35]
<i>kfuBC</i> : uptake of ferric iron	F: GAAGTGACGCTGTTTCTGGC R: TTTCGTGTGGCCAGTGACTC	797 bp	57 °C / 1 min	[35]
<i>entB</i> : enterobactin	F: GATGAAGACGATACCGTGC R: ACCGAATCCAGACCGTAGTC	389 bp	53 °C / 30 s	[36]
<i>iroB</i> : salmochelin siderophore biosynthesis	F: ATCTCATCATCTACCCTCCGCTC R: GGTTCCGCCGTCTTTTCAA	235 bp	59 °C / 30 s	[36]
<i>irp2</i> : yersiniabactin siderophore biosynthesis	F: GCTACAATGGGACAGCAACGAC R: GCAGAGCGATACGGAAAATGC	230 bp	59 °C / 30 s	[36]
<i>terW</i> : tellurite resistance (pLVPK-derived genetic loci)	F: ATGCAATTAAACACCAGACAG R: CTCATTCTCTTGAGTGTTC	239 bp	51 °C / 30 s	[37]
<i>wabG</i> : involved in the biosynthesis of the outer core lipopolysaccharide	F: ACCATCGGCCATTTGATAGA R: CGGACTGGCAGATCCATATC	683 bp	56 °C / 50 s	[38]
<i>uge</i> : uridine diphosphate galacturonate 4-epimerase, responsible for the biosynthesis of the capsule and smooth lipopolysaccharide	F: TCTTCACGCCTTCCTTCACT R: GATCATCCGGTCTCCCTGTA	534 bp	57 °C / 40 s	[38]
<i>iucA</i> : aerobactin	F: AATCAATGGCTATTCCCGCTG R: CGCTTCACTTCTTCACTGACAGG	239 bp	59 °C / 30 s	[36]
<i>rmpA</i> : extracellular polysaccharide synthesis	F: ACTGGGCTACCTCTGCTTCA R: CTTGCATGAGCCATCTTTCA	535 bp	57 °C / 50 s	[35]
<i>rmpA2</i> : extracellular polysaccharide synthesis	F: GTGCAATAAGGATGTTACATTA R: GGATGCCCTCCTCCTG	430 bp	50 °C / 40 s	[36]

¹ Ta: annealing temperature.