

## Supplementary Tables

Supplementary informations are also available at [www.pasteur.fr/recherche/unites/Ggb/supmat.html](http://www.pasteur.fr/recherche/unites/Ggb/supmat.html)

**TABLE S2:** Primers used in this study.

Target gene	Primer name	Sequence
Primers used to generate deletion mutants		
<i>kpsD</i>	KpsD.500-5	GACCAGCTTGCCTTTGCAGAAACG
	KpsD.500-3	CTTTTTCAGCATTACGCGGATAGG
	KpsD.GB.L-5	TGCTCGATGAGTTTTTCTAAGGAGTTGAAATGAGCAA
	KpsD.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATCACAAACTCATTACGCGACA
	KpsD.ext-5	TTGCGCTTAAGTTTAACCAAACCG
	KpsD.ext-3	GCTCTGGCATGGACTCCGGTAACT
<i>kpsU</i>	KpsU.500-5	ATGAACGCAGTTCAGCTTATCGCC
	KpsU.500-3	CCAAATTTTCGGCTTGAGGATTTTC
	KpsU.GB.L-5	TGCTCGATGAGTTTTTCTAACAGGAACTGGCTGAAAACGCATGA
	KpsU.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATTTCAACTCCTTACAAAAGACAGA
	KpsU.ext-5	TGCAGAACGGCGATACCTTAATCG
	KpsU.ext-3	CTCGGCAATCAAACGTACTCGTTG
<i>kpsC</i>	KpsC.500-5	GAGGCAGATATCAACATTAACC
	KpsC.500-3	GTTGAAGTTTTTAAGTTCTCAAC
	KpsC.GB.L-5	TGCTCGATGAGTTTTTCTAAACAATTTTCATAGTTGACTATTAC
	KpsC.GB.L-3	GATTTTGAGACACAACGTGGCTTTGAGTAAATGCCAATCATGCGTTTTTC
	KpsC.ext-5	CGACTCACATTACGATTATGCG
	KpsC.ext-3	GAAAATGATTTGTGGTGGCGGTAGC
<i>kpsS</i>	KpsS.500-5	AGAGCAACCTTGAGTTATTACG
	KpsS.500-3	AAAGACAAGGGATAGCTTTAGG
	KpsS.GB.L-5	TGCTCGATGAGTTTTTCTAATTTATTCTAAATTATCAACG
	KpsS.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATAAATAATCTGTGTAATAGTCAA
	KpsS.ext-5	AGCGACTGGTTGAAAGCAAACG
	KpsS.ext-3	TTCGATGAGTCAAGACTATTGG
<i>kpsM</i>	KpsM.500-5	TACTACGCATAAAAATTCATGG
	KpsM.500-3	AATGCCATGCTTAAACCAAAGCC
	KpsM.GB.L-5	TGCTCGATGAGTTTTTCTAACAATGCTGACATCATGATTAAGATTG
	KpsM.GB.L-3	GATTTTGAGACACAACGTGGCTTCTTGCCATTTGGTGATGTGATCCT
	KpsM.ext-5	TCGCATGCGTTCTGGTTTGG
	KpsM.ext-3	CACATCACAAAACCTTTCAATG
<i>kps</i> R1 region	KpsD.500-5	GACCAGCTTGCCTTTGCAGAAACG
	KpsS.500-3	AAAGACAAGGGATAGCTTTAGG
	KpsD.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATCACAAACTCATTACGCGACA
	KpsS.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATAAATAATCTGTGTAATAGTCAA
	KpsD.ext-5	TTGCGCTTAAGTTTAACCAAACCG
	KpsS.ext-3	TTCGATGAGTCAAGACTATTGG
<i>kps</i> R2 region	KpsR2.500-5	ATATAGGAGTATGGAGCGAAAC
	KpsR2.500-3	TTGAGTAAGGAATATGGCTTAG
	KpsR2.GB-L5	TGCTCGATGAGTTTTTCTAAGAAATCAGACGAGTTTTTC
	KpsR2.GB-L3	GATTTTGAGACACAACGTGGCTTTCATAACTACTATGTCCCATGATTATT
	KpsR2.ext-5	CATGTACTCATTTTCACGTAAAG
	KpsR2.ext-3	TGCTAAAATTGCATTATTAGGTC
<i>kps</i> R3 region	KpsM.500-5	TACTACGCATAAAAATTCATGG
	KpsR3.500-3	AATTAACCATACTTTTGGATTTGAG
	KpsR3.GB-L5	TGCTCGATGAGTTTTTCTAATCAGACTTGTCTTTATCAG
	KpsM.GB.L-3	GATTTTGAGACACAACGTGGCTTCTTGCCATTTGGTGATGTGATCCT
	KpsM.ext-5	TCGCATGCGTTCTGGTTTGG
	KpsR3.ext-3	CCTAGCAACAAAATATTTAGCGAC

<i>c3695-3696</i>	Kps95-96.500-5	AAACAATATCATGGCCAGTCGG
	Kps95-96.500-3	AATAACGTCAGGTATTGAAGG
	Kps95-96.GB-L5	TGCTCGATGAGTTTTTCTAACCTTGAGGTCTATATAACTGAA
	Kps95-96.GB-L3	GATTTTGAGACACAACGTGGCTTTCATCAAATGTACCAAAGGTGATAAC
	Kps95-96.ext-5	TAAATCAACGTTACTGAGAATG
	Kps95-96.ext-3	GAATATCCGAGTGCATAATACC
	Kps95-96.500-5	AAACAATATCATGGCCAGTCGG
<i>c3694</i>	c3694.500-5	AAGCATTAGAATTGGAACCC
	c3694.500-3	CTTCCATGTATTCCCTCTCCAAG
	c3694.GB.L-5	TGCTCGATGAGTTTTTCTAAGTGCAAGTATTTCTTGTAACCC
	c3694.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATATACGCATCAATAGCCTTAGCCC
	c3694.ext-5	GCGGAGAGCTATTTTAAAGCAGG
	c3694.ext-3	CGGAAAACGATATGACAATCCTG
<i>c3693</i>	c3693.500-5	GTTTATTGTTGCAGGCATCCAAG
	c3693.500-3	ATGCCGTTAGATAGTTTTATTCC
	c3693.GB.L-5	TGCTCGATGAGTTTTTCTAAATGGATGCTCAAAAAGGAGGTACG
	c3693.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATCAGCATTGGTTGGTAATGCATTG
	c3693.ext-5	ACATATTAACAGTAATATAACC
	c3693.ext-3	CTACAAATTTGGATACTGCAAATC
<i>c3692</i>	c3692.500-5	TTATACTTGCGGTGATTTGCAG
	c3692.500-3	ATGACTCATAAAAATATATTC
	c3692.GB.L-5	TGCTCGATGAGTTTTTCTAATATTTACAGAATAATTATTCTGG
	c3692.GB.L-3	GATTTTGAGACACAACGTGGCTTTCATTAAGCCAATAGTCTTGACTCATCG
	c3692.ext-5	AATTCATATGATTGTAGCAATG
	c3692.ext-3	CAACGTAGAATAAAAAGCATTACC
<i>luxS</i>	LuxS.500-5	AAACTGCGCAGTTCCCGTTACC
	LuxS.500-3	CCTGATTTTGTTCCCTGGGAGG
	LuxS.GB-L5	TGCTCGATGAGTTTTTCTAATCAGTGGAACAAAAGAAG
	LuxS.GB-L3	GATTTTGAGACACAACGTGGCTTTCATTTAGCCACCTCCGGTAATTT
	LuxS.ext-5	CTGGAACCGGGTGATCCTCGAAG
	LuxS.ext-3	AGCAACAATGCTGGGGAAAAATGC
Primers used for group II capsule screening		
	Kps95-F	AACGAAAATTGCTTGCTCTGGC
	Kps94-R	CGGTGCCAAGTTTGAAATAACG
	Kps94-F	GAAAATAGTGTAGACGGTCTCTTC
	Kps92-R	TTTGGATACTGCAAATCACCGC
	KpsII <sub>f</sub>	GCGCATTTGCTGATACTGTTG
	KpsK2 <sub>r</sub>	AGGTAGTTCAGACTCACACCT
Primers used to check the mutation by PCR: verification primers on inserted resistance markers		
	KmGB.verif-5	TGGCTCCCTCACTTTCTGGC
	KmGB.verif-3	ATATGGCTCATAACACCCCTTG
Primers used for sequence determination by arbitrary PCR		
	ARB1	GGCCACGCGTCGACTAGTACNNNNNNNNNGATAT
	ARB6	GGCCACGCGTCGACTAGTACNNNNNNNNNACGCC
	ARB2	GGCCACGCGTCGACTAGTAC
	IR2	CTGACCGCTTCTCGTGCTTTACGG
	IR2-60-5	TTCTGAGCGGGACTCTGGGGTACG