

**TABLE S1: Primers used in this study**

Purpose	Name	Sequence <sup>a</sup>
Deletion of SPy_0414 ( <i>lctO</i> )	CK014 CK015 CK018 CK019	CCCTCTAGAGGAGGTGATCAGTGAGCATATC CCC <u>GGTACCT</u> ATTTGTGACATGATAGCGGAG CCCAAGCTTCGGATTTTCAACCCCTTTGAG CCCAAGCTTGAAGTCGCTGAAGCAGTTGATC
Deletion of SPy_0514 ( <i>ccpA</i> )	CK214 CK217 CK215 CK216	CCCATCGATGAGCGATGACGTCTGTTTCGGTAG CCC <u>GGATCC</u> GGATCTGCTCCGTAAGTCTCC CATTGAAACACCAGCTTCACG GACTTAGGTGCTGTTAGCATGC
rtPCR		
<i>lctO</i>	CK070 CK071	ACTGGCCAATGAACAAGGAG TTCTGGCAGGTCAGTTGTTG
<i>cfa</i>	CK246 CK247	GATCGTTTCAGTATTGAAGCG GCTTGATGAGGGACATCAAC
<i>speB</i> <sup>b</sup>	JLP017 JLP018	GTCGGTAAAGTAGGCGGACA GCCACCAGTACCAAGAGCTG
<i>sagA</i>	CK363 CK364	CTACTAGTGTAGCTGAAACAAC GGCGTATAACTTCCGCTACC
<i>sagB</i>	CK365 CK366	CCACTTGTCTTATCGGATTAC CGACAATACTAGCTTGGAAGCC
<i>slo</i>	CK361 CK362	GCTAGTACAGAAACCACAAC CTAGTGGCATTCTTTGGGAG
<i>recA</i> <sup>c</sup>	CK040 CK041	ATTGATTGATTCTGGTGCGG ATTACGCATGGCCTGACTC
Generation of Biotinylated DNA probes <sup>d</sup>		
<i>lctO</i>	CK192 CK194 CK303 CK304 CK305 CK306 CK307	Bio - GCGTGTAACCTGTGTGACG CTGTTGTGCCATTTTCTCAAGG CAAGACTATCTGTTAGAAAGAG Bio - CTCTTTCTAACAGATAGTCTTG GTAATCCTACTCTTAACTGTC Bio - GACAGTTAAGAGTAGGATTAC Bio - GGCACAAAAAACAGTCATCACC
<i>guaB</i>	CK195 CK196	GTCAAATTGTCTGCGAGTTTTGTC Bio - CAGAAGTGAAGTCAGCAATGGG
<i>sagA</i>	CK405 CK371	GCTCTCATTTTTGTGCTATTGTTTG Bio - GAGCAACTAGCTGCTTTGACG
<i>speB</i>	CK393 CK396	Bio - GATCGGCAAATACTGGGTTAGC CCATATGTCAAGCCTTCCTAG

<sup>a</sup> Engineered restriction sites within oligos are indicated by underlined bases.

<sup>b</sup> primer sequence from (47).

<sup>c</sup> primer sequence from (14).

<sup>d</sup> Oligos with 5' biotin labels are indicated with Bio.