1 TABLE S1. Primers, sequences and their respective function.

2

Primer	Sequence (5'-3')[a]	Function
lsc-CmF	ttatgtcagattataattataaaccaacgctgtggactcgtgcc gatgca**GTGTAGGCTGGAGCTGCTTC**	Generation of recombination fragment for *lsc* knockout
lsc-CmR	actcactgcctgacaggtctttggccacagccagaccaacac agcctgcc**ATTCCGGGGATCCGTCGACC**	
rcsB-KmF	tgaataatctgaatgtcattattgccgacgaccatcctattgttc tgttc**GCGATTGTGTAGGCTGGAGCT**	Generation of recombination fragment for *rscB* knockout
rcsB-KmR	atctaccggcgtcatgcttactgatgacaggtagttaagcaa gcaatat**ATTCCGGGGATCCGTCGACC**	
lsc-ChF	CTGCAGCGATCATGGTTATT	Confirmation of *lsc* deletion
lsc-ChR	ACCGCCAATGCGATAG	
rcsB-ChF	CGGCAAGCAGTTATGTG	Confirmation of *rcsB* deletion
rcsB-ChR	TAAGAAAGAGCCGGGAAGCGCTAA	
Cm-F	TTATACGCAAGGCGACAAGG	Confirmation of Cm^R insertion
Cm-R	GATCTTCCGTCACAGGTAGG	
Km-F	CAGTCATAGCCGAATAGCCT	Confirmation of Km^R insertion
Km-R	CGGTGCCCTGAATGAACTGC	

[a] Bold, uppercase: sequence homologous to antibiotic resistance gene, lowercase: sequence homologous to gene of interest.

3