

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

Primer name	Use	Sequence (5'- 3')
R_GlmS_Sall	Partial amplification of <i>GlmS</i> for chromosomal insertion	GCGGTCGACTTCAACTAAGGCATTTACAAC
F_GlmS_AatII	Partial amplification of <i>GlmS</i> for chromosomal insertion	GGCGACGTCAACCTTATTCCACCGTCAC
R_RpmE_SacI	Partial amplification of <i>RpmE</i> for chromosomal insertion	GGCGAGCTCTAGTAAGAAGTTGAAATAAGCC
F_RpmE_SpeI	Partial amplification of <i>RpmE</i> for chromosomal insertion	GCTACTAGTTAAACCCGAGTTATAAGC
L_verif_GlmS	PCR verification of chromosomal insertion	TGCGGATACATTAGCAGCAC
R_verif_RpmJ	PCR verification of chromosomal insertion	GCACTAATAAGGTTTCATTTTGCAT
plu0004-F	qRT-PCR on <i>gyrB</i> gene	ATACACGAAGAAGAAGGTGTTTCAG
plu0004-R	qRT-PCR on <i>gyrB</i> gene	TACCTGTCTGTTTCAGTTTCTCCAAC
plu087-F	qRT-PCR on <i>dam</i> gene	CTGATGAGTTTATAGTCCACACACG
plu087-R	qRT-PCR on <i>dam</i> gene	ACCATGAGAATTATAACGACAGAGG
MSRE-10531-F	Determination of the DNA methylation status	CAGCACTGACTCTGGAATTAATAAAT
MSRE-10531-R	Determination of the DNA methylation status	CCCTTAATAAAAACATGAACTCTCA