Table S4. Primers used to construct *Δlah1, Δlah2D and Δlah-1, Δlah-2*

Δlah1	**Sequence (5' to 3')**
5' UTR (sal1)f	CGGTCGACGCCTTCCTTGGGTTCG
2kb in orf (Ecor1)r	GGCGAATTCCTCGGCCAGAACATGGTTGG
STM not1-f 5'UTR	CATACATAGTGTTTAGTATCGCGGCCGCTTACCATACCATCCTAGCCG
STM not1-r 5'UTR	CGGCTAGGATGGTATGGTAAGCGGCCGCGATACTAAACACTATGTATG
STM pac1-f ORF	GACTCTGACCTTGCCTATGGTTAATTAACTCAATACTCGGACGAGAAG
STM pac1-r ORF	CTTCTCGTCCGAGTATTGAGTTAATTAACCATAGGCAAGGTCAGAGTC

Δlah2	**Sequence (5' to 3')**
test3-1	CGCTCTTCCATGTCTGGTGCT
test3-2	CGGTGAGTTCAGGCTTTTTCATATCATCCTCAAACTCATCATC
test3-3	GATGATGAGTTTGAGGATGATATGAAAAAGCCTGAACTCACCG
31603--4stop	CAATCCACCATCCATCAGACAAGTTCGGTCGGCATCTACTC
31603--5 stop	GAGTAGATGCCGACCGAACTTGTCTGATGGATGGTGGATTG
31603--6	TAGACTAGCTAACAAGTTAGG

Δlah-1, Δlah-2	**Sequence (5' to 3')**
Δlah-1	TCTGCACTAGTGTACCCAGG
Δlah-2	CGGTGAGTTCAGGCTTTTTCATTGTTGACCGCTTGGGTATAGG
Δlah-3	CCTATACCCAAGCGGTCAACAATGAAAAAGCCTGAACTCACCG
31603--4stop	CAATCCACCATCCATCAGACAAGTTCGGTCGGCATCTACTC
31603--5 stop	GAGTAGATGCCGACCGAACTTGTCTGATGGATGGTGGATTG
31603--6	TAGACTAGCTAACAAGTTAGG