

Supplementary Figure S3

```

      10      20      30      40      50
ATGAAAGTAA ATACTAATAT CATTAGCTTG AAAACACAAG AATATCTTCG
TACTTTCATT TATGATTATA GTAATCGAAC TTTTGTGTTC TTATAGAAGC
  M  K  V   N  T  N  I   I  S  L   K  T  Q   E  Y  L  R
>_____ORF flaA_____<

      60      70      80      90      100
AGTCAAGTCC AGACTCCTGT GTAAAATGAT CTAGTGGATC CTGCAGATGA
TCAGTTCAGG TCTGAGGACA CATTTTACTA GATCACCTAG GACGTCTACT
  V  K  S   R  L  L   C  K  M  I   *>
>_____ORF frameshift mutation_____<
```

Sequence of the lux-kan transposon integration site in the *flaA* locus of *Listeria monocytogenes* strain Xen32.

Shown are the nucleotide and translated protein sequences. The insertion of the lux-kan transposon cassette results in a frameshift mutation with the generation of an amber stop codon (TAG) after 80 bp. Translated protein sequences of *flaA* are shown in blue, the frameshift protein translation is shown in red. The amber stop codon is underlined and depicted in bold red.