## AMB Express

## A Promising Detection Candidate for Flagellated Salmonella spp.

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Fig. S1 Phylogenetic analysis based on predicted amino acid sequences of FliC.

The evolutionary distances were computed using the Maximum Composite Likelihood method in

MEGA7 (version 7. 0. 26). The analysis involved 53 nucleotide sequences ( 36 Salmonella and 17 non-

Salmonella). The phylogenetic tree showed that sequences of fliC within Salmonella species had close




- Heidelberg_str. $\mathrm{SGSC2} 220 \mathrm{~T}$
-Arizonae str. CDC Ar Ar
Saintpau1_str. ${ }^{84}$ - ${ }^{-1}$
Brandenburg-str. $559-1$

Anatum_str. ${ }^{\text {SGSC2459}}$
- Abony_str._-
-Paratyphi_ć_str._RKS4594
-Panama

Derby str. s241

 Muenster_str
_senftenberg - Tenestesee.st Welteveden - Orani eniurg str. CFSSANO7 621
 -Infantis_strain_ FSISI502169


## 

 Newpot str. SGSC2493


 - Anatun_str.
 - Eastbourne--Tarshyne_
-Panama -

- Dublin

Montevide-str.-USDA-ARS-USMARC-1903 -Menster_str.
- Senftenberg
-Tennesseest
. Rubis law str. ATCC. 10717 -





Fig. S2 Similarity analysis of the amino acid sequence of FliC from different serotype of Salmonella strains.

The amino acid sequences were aligned by the Clustal W method using the MegAlign of DNASTAR (version 7.1.0). Sites with pink background color represent the conservative region, and sites without background color represent the variable region.

