**Figure S5**



**Amino acid variation in IroE.** (A) Asterisks denote 4 amino acids variation in *S*. Rissen, S. Typhi and *S*. Typhimurium. The amino acid alignment was performed by BioEdit 7.0. (B) The prediction of transmembrane domains was performed resorting to Center for Biological Sequence analysis ([http://www.cbs.dtu.dk/ services/TMHMM/](http://www.cbs.dtu.dk/%20services/TMHMM/)). All the amino acid variations locate at the C-terminal outside domain and the enzyme active site of IroE were indicated in the figure.