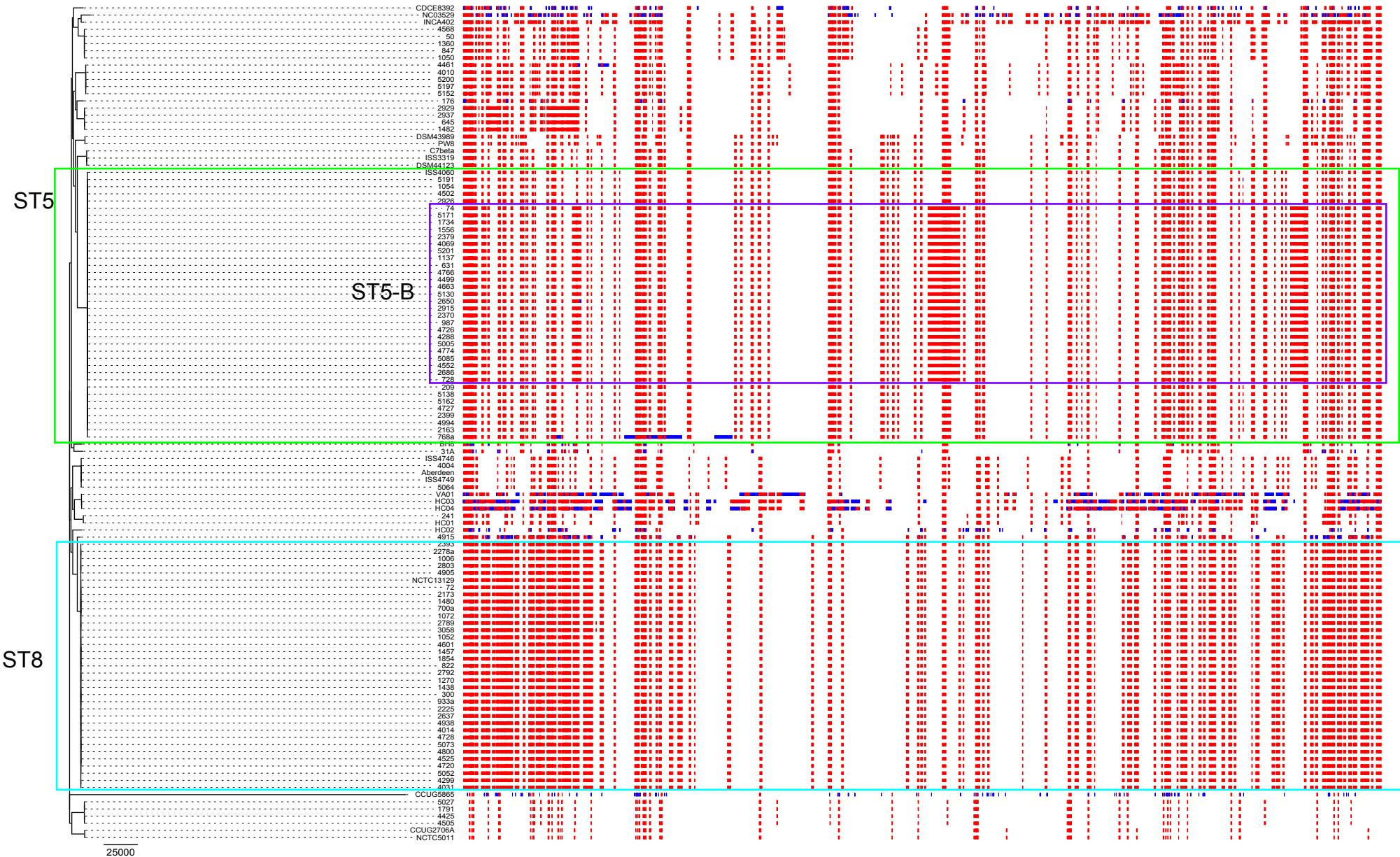
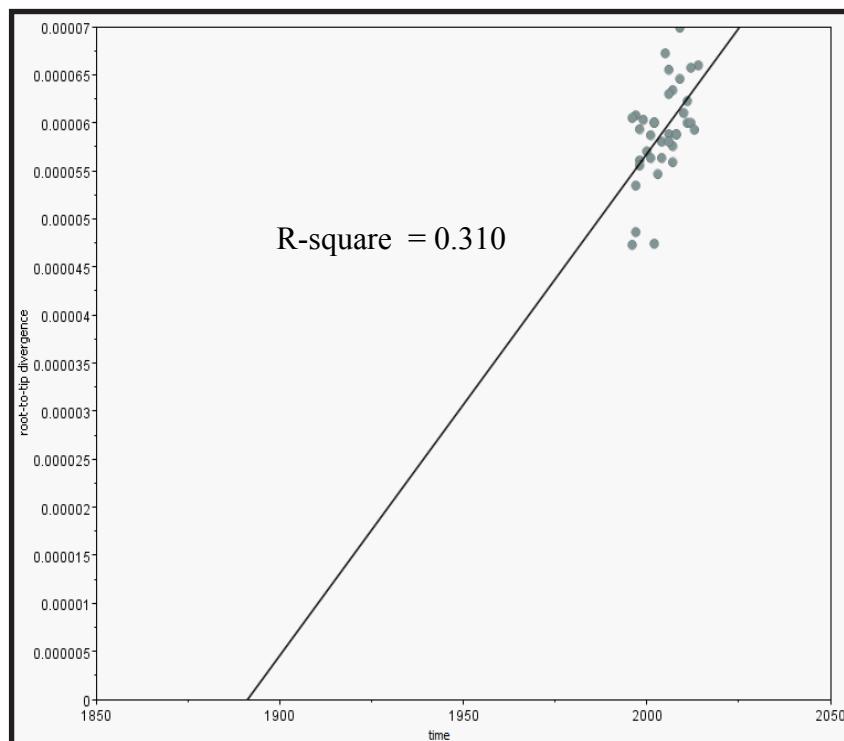


Additional File 3: Fig S1. A ML tree from core genomic alignment of ST5 strains. The strain designations of isolates of biovar belfanti, gravis and mitis are presented in light brown, red, and green colour, respectively.

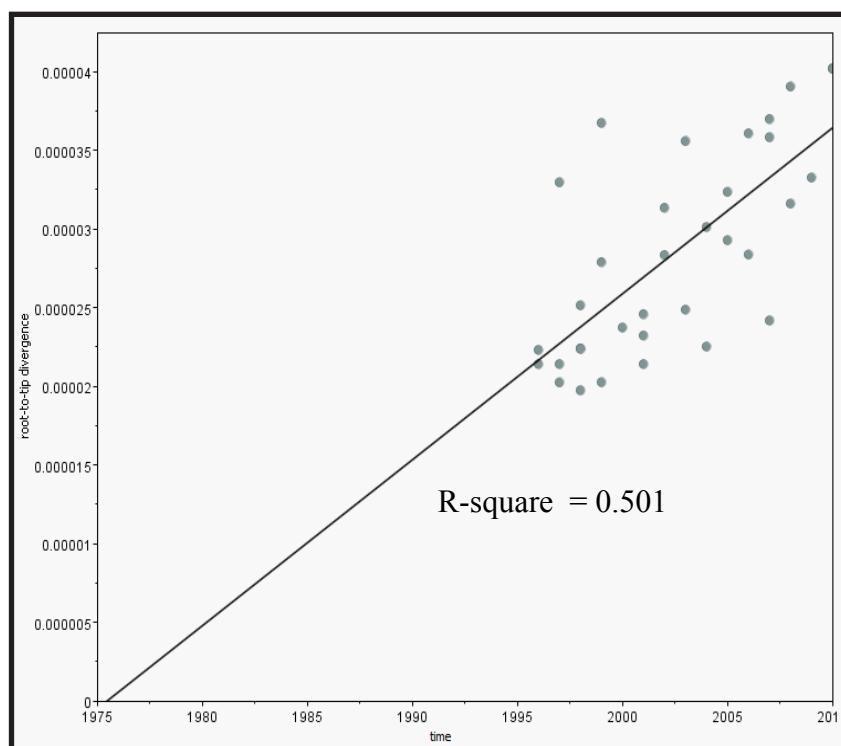


Additional File 3: Fig S2. Gubbins analysis of recombination in the core genome of *C. diphtheriae*. Predicted recombination events on internal branches are shown in red and those occurred at terminal branches are shown in blue. isolates within ST5, subgroup ST5-B and ST8 are highlighted within green, purple and cyan rectangles.

A. ST5

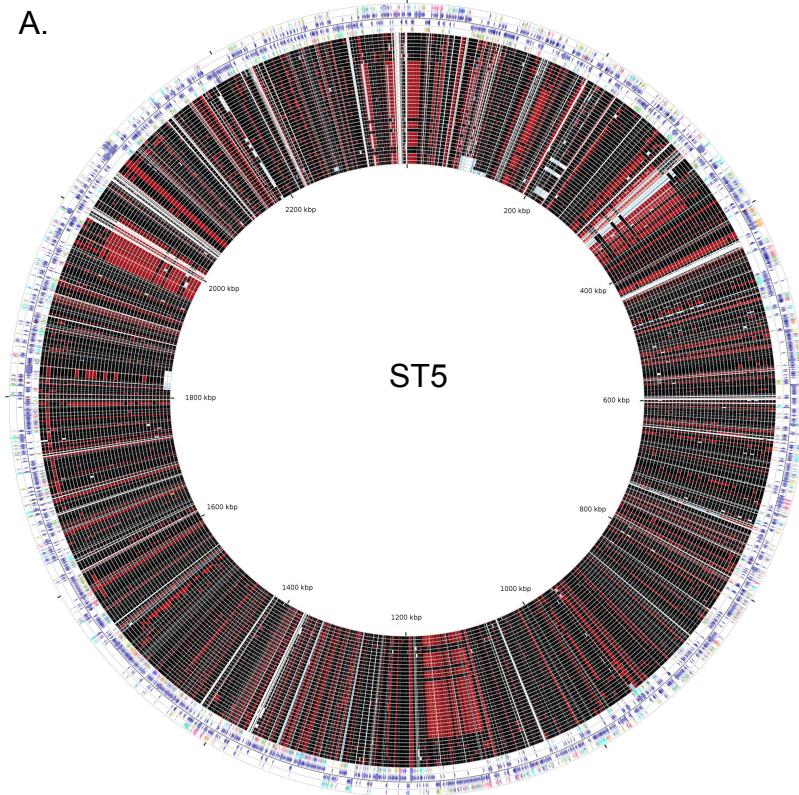


B. ST8

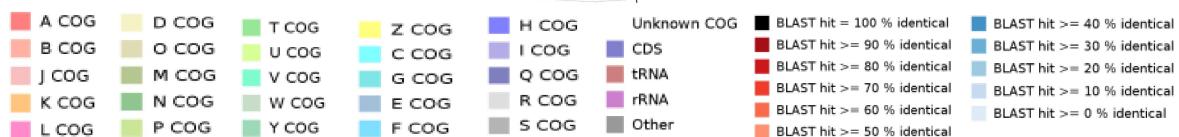
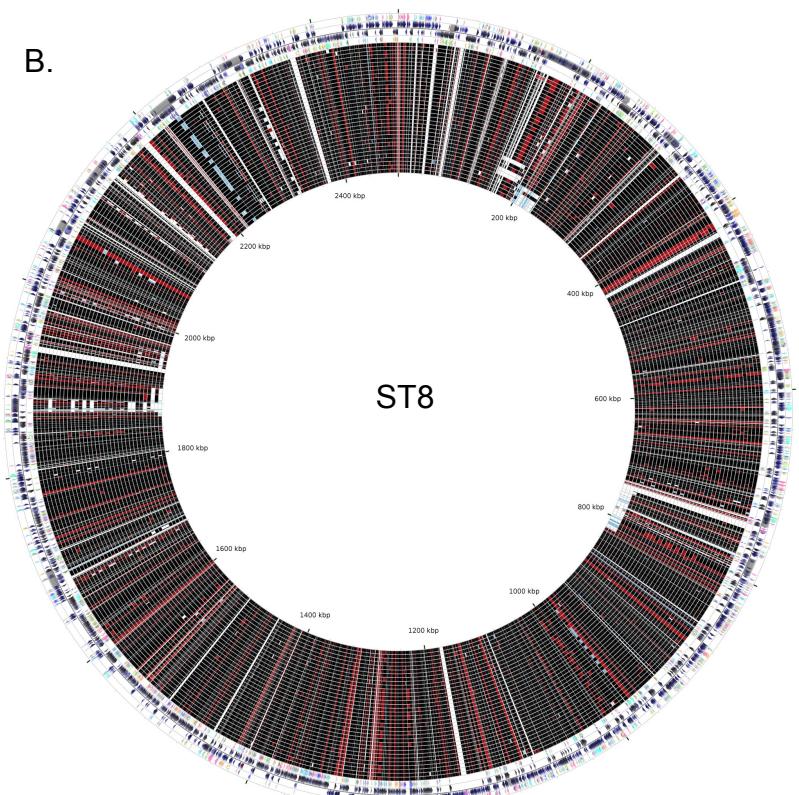


Additional File 3: Fig S3. A plot of root-to-tip divergence (Y-axis) against the sampling dates (X-axis); A. within ST5 and B. within ST8.

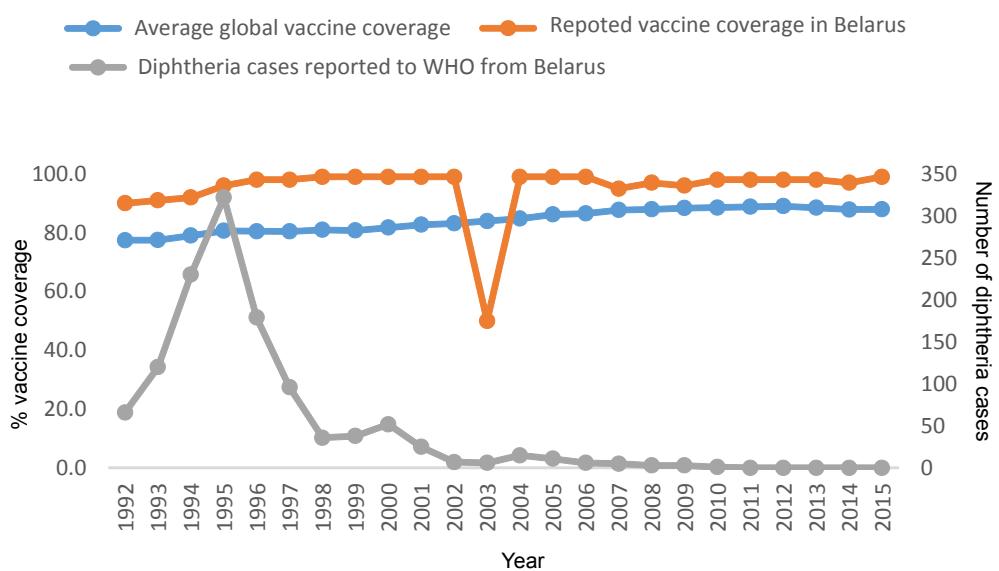
A.



B.



Additional File 3: Fig S4. A. CDS BLAST map of ST5 using strain ISS 4060 as the reference. B. CDS BLAST map of ST8 using strain NCTC 13129 as the reference.



Additional File 3: Fig S6. A plot showing the average global vaccine coverage, reported vaccination in Belarus and the reported number of diphtheria cases between 1992 - 2015 (WHO, 2017; <http://www.who.int/topics/diphtheria/en/> and http://www.who.int/immunization/monitoring_surveillance/data/en/; accessed February 2017)