## **Description of Additional Supplementary Files**

File name: Supplementary Data 1

**Description:** The strain list and information used from the NCBI Pathogens database.

File name: Supplementary Data 2

**Description**: The source data behind Fig 1b in the paper.

File name: Supplementary Data 3

**Description:** The source data behind Fig 1c in the paper.

File name: Supplementary Data 4

**Description:** The source data behind Fig 1d in the paper.

File name: Supplementary Data 5

**Description:** The source data behind Fig 1e in the paper.

File name: Supplementary Data 6

**Description:** The source data behind Fig 2a in the paper.

File name: Supplementary Data 7

**Description:** The source data behind Fig 2a in the paper.

File name: Supplementary Data 8

**Description:** The source data behind Fig 3 in the paper.

File name: Supplementary Data 9

**Description:** The source data behind Fig 4 in the paper.