

Description of Additional Supplementary Files

Supplementary Data 1 : Distribution of indels within 1741 emm1 strains analyzed.

Supplementary Data 2 : Frequency of antibiotic resistance genes and mutations in pbp genes in 1815 emm1 strains analyzed.

Supplementary Data 3 : Metadata and genome accession numbers of emm1 GAS genome sequences used in this study.