

Description of Additional Supplementary Files

Supplementary Data 1: *Streptococcus mitis* isolates and metadata obtained from the UK Health Security Agency

Supplementary Data 2: *Streptococcus mitis* isolates and metadata obtained from the UK Health Security Agency

Supplementary Data 3: *Streptococcus mitis* virulence gene assessment

Supplementary Data 4: *Streptococcus pneumoniae* genome accession numbers and metadata

Supplementary Data 5: *Streptococcus mitis* genome assembly quality assessment

Supplementary Data 6: *Streptococcus mitis* reference genome accession numbers

Supplementary Data 7: *Streptococcus mitis* genome accession numbers