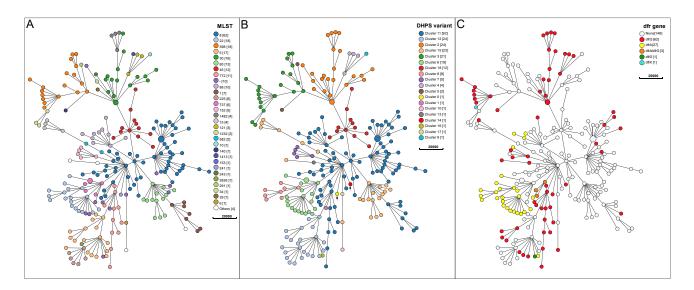
Supplementary figure 1. amino acid sequence of a truncated DHFR $_{dfrG}$ (D1876) due to a nucleotide deletion at position 381 of the dfrG resulting in a trimethoprim susceptible phenotype.



Supplementary figure 2. Minimum spanning tree (MST) of our study cohort. The MST is calculated using all 67571 polymorphic sites across the core-genome and with the MSTV" algorithm from the software grapetree Strains are color-coded based either on A) their MLSTs, B) their DHPS variants, C) their *dfr* genes. The arrows in panel B indicate the two high-level SMZ resistant *S. aureus* isolates harboring the F17L mutation of the chromosomal DHPS.