Supporting information

Differential virulence of *Aggregatibacter actinomycetemcomitans* serotypes explained by exoproteome heterogeneity

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Running title: Virulence of *Aggregatibacter actinomycetemcomitans* in different serotypes

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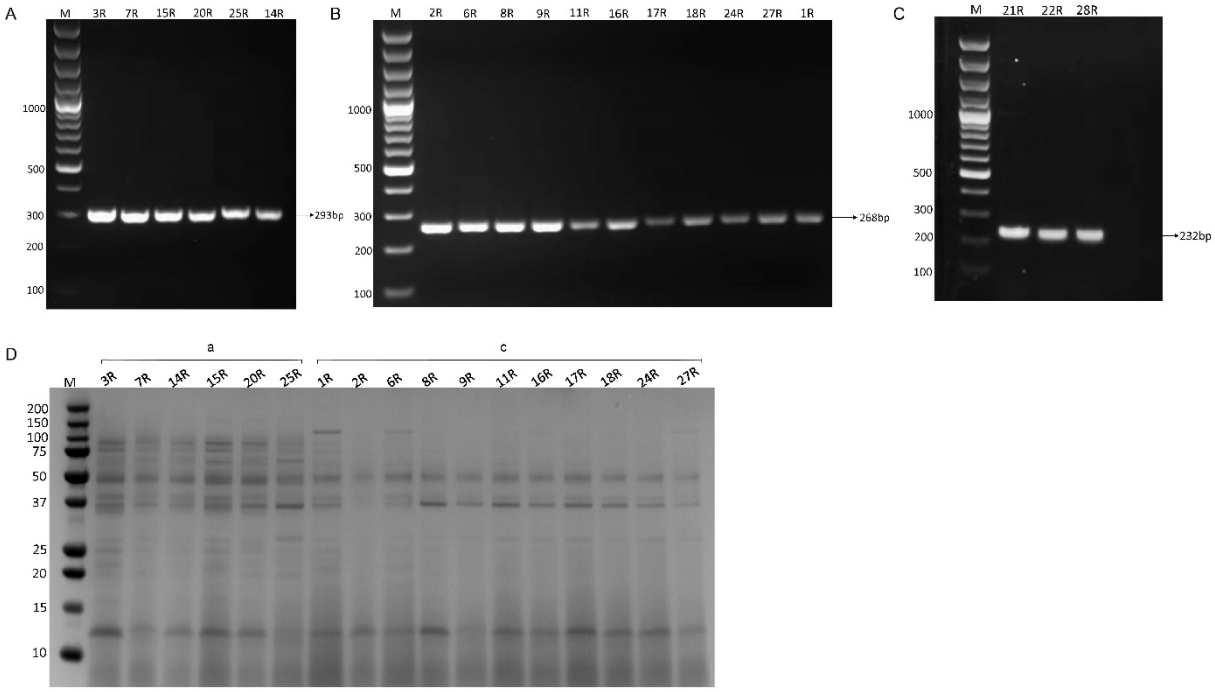
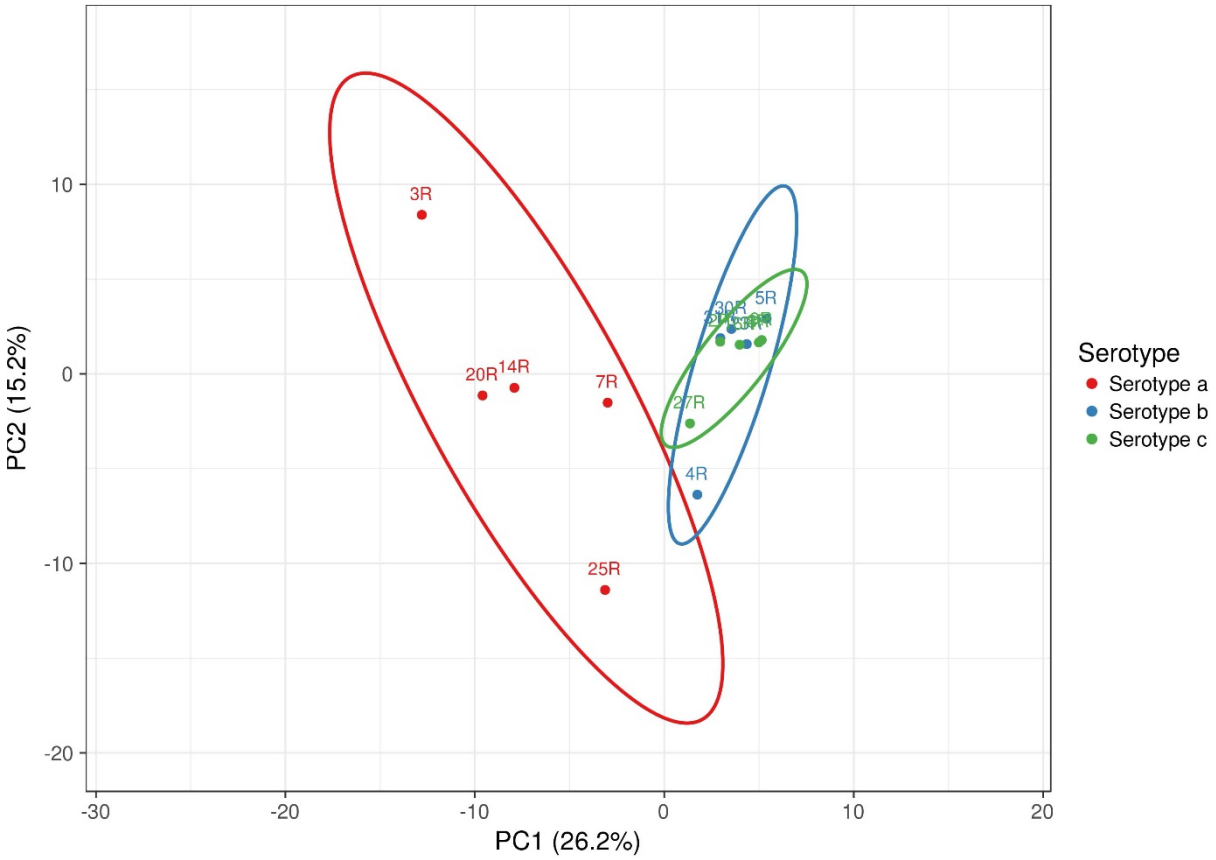
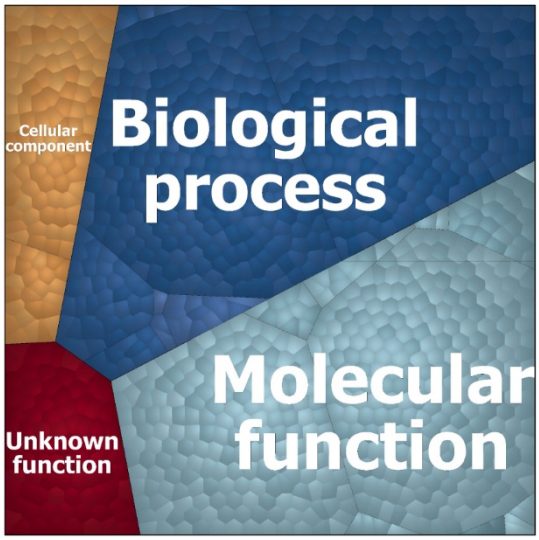


Supplementary Figure S1. Selection of representative *Aa* isolates with serotype a or c. PCR was performed with *Aa* serotype-specific primers as specified in the Materials and Methods section. Next the PCR products obtained from the identified serotype a (A), serotype c (B), and serotype f (C) isolates were separated on 1% agarose gel. (D) LDS-PAGE analysis of extracellular proteins of *Aa* with serotype a and c. The gel was stained by SimplyBlue staining. The Molecular weight of marker proteins is indicated on the left.



Supplementary Figure S2. Principal component analysis (PCA) of all identified extracellular proteins of *Aa* with serotypes a, b or c except the outer membrane proteins (OMPs). The plot is based on the normalized spectral counts of all identified proteins of these three serotypes except OMPs.

A



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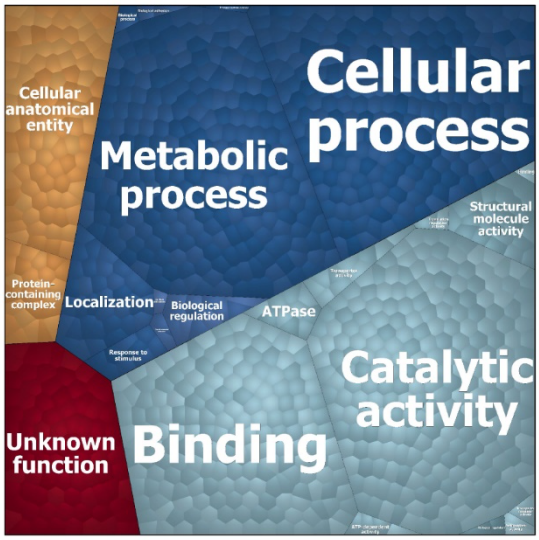

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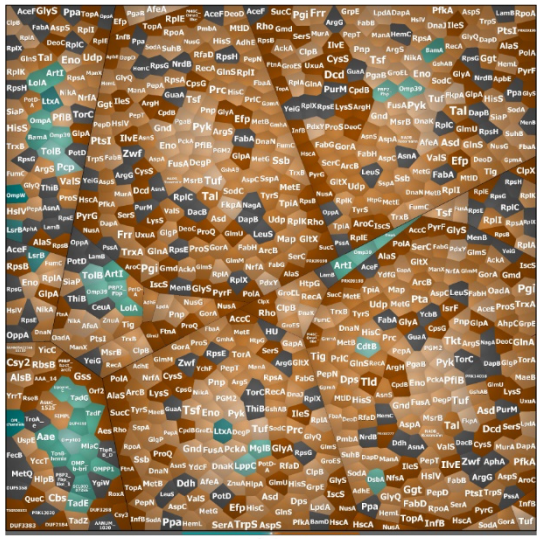
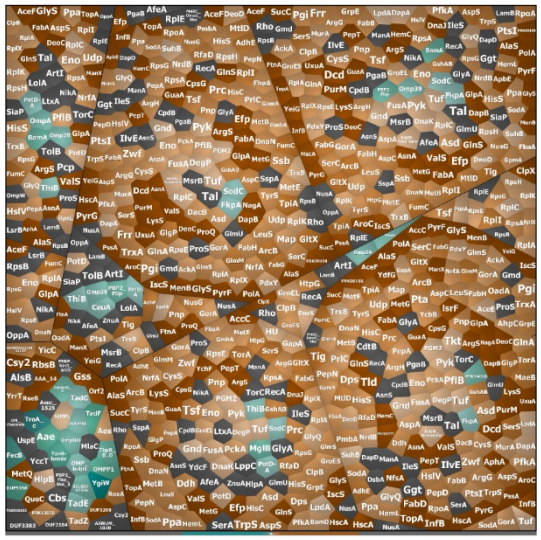


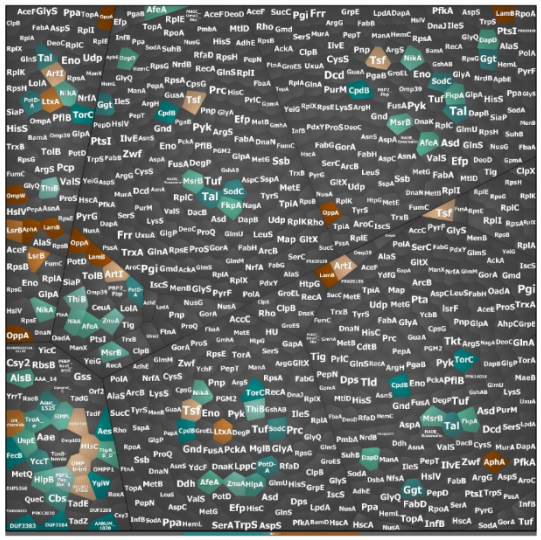
a / b

D



a / c

E



b / c

Supplementary Figure S3. Voronoi treemaps of extracellular proteins from all *Aa* isolates with different serotypes. The functions of all identified extracellular proteins were predicted based on GO terms. The above panels show the functional categories of all identified extracellular proteins. The top-level functional categories of all identified extracellular proteins are indicated in (A), and the second-level functional categories are represented in (B). The panels C-E show the names of the different identified proteins within the respective functional categories with pairwise comparisons: (C) shows the comparison for the serotypes a versus b, (D) for serotypes a versus c, and (E) for serotypes b versus c. The images correspond to Figure 7 in the main manuscript.