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Supporting information for article:

Structural and enzymatic characterization of the sialidase

SiaPG from *Porphyromonas gingivalis*

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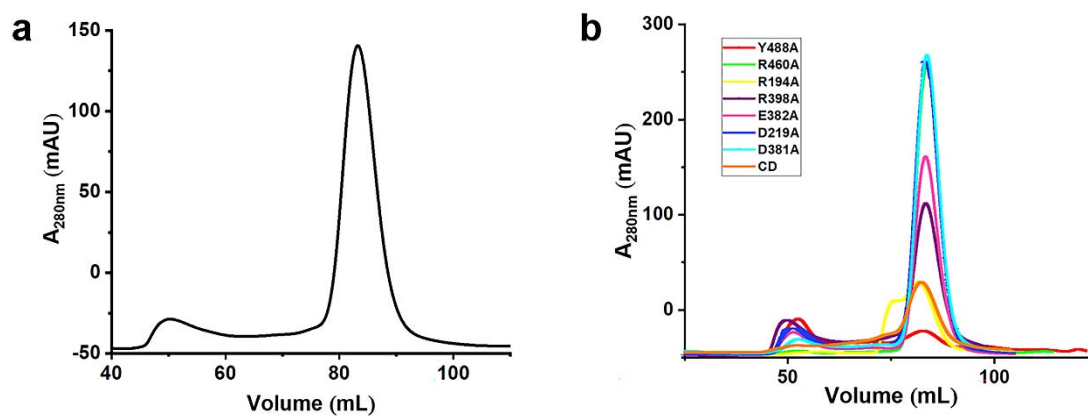


Figure S1 Size-exclusion chromatography profiles of (a) wild-type SiaPG and (b) mutants using a Superdex 200 Increase 16/60 column. CD is the catalytic domain.

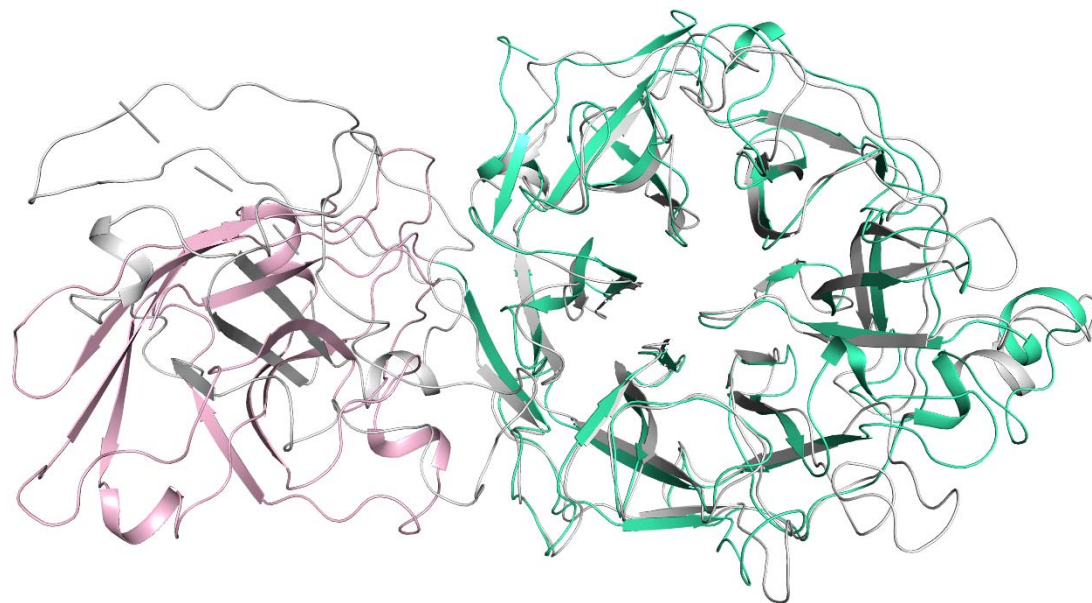


Figure S2 Structural comparison between SiaPG (colored in pink and green) and the model predicted by AlphaFold (colored in gray).

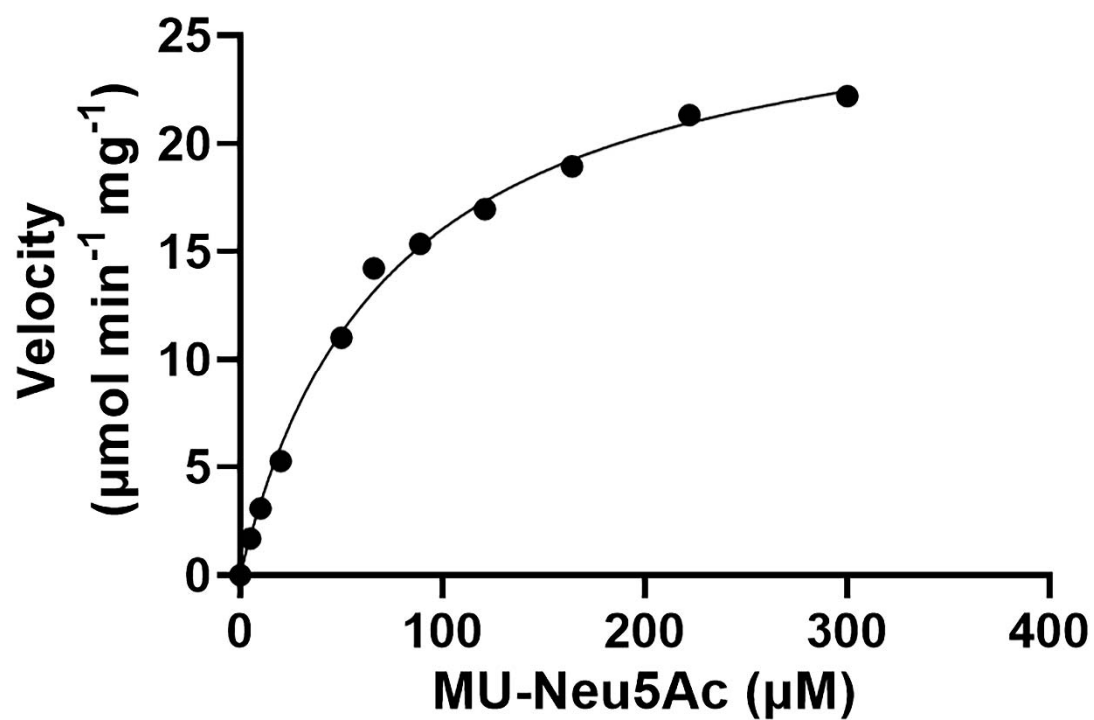


Figure S3 Standard curve of the enzymatic activity of SiaPG against 4MU-Neu5Ac.

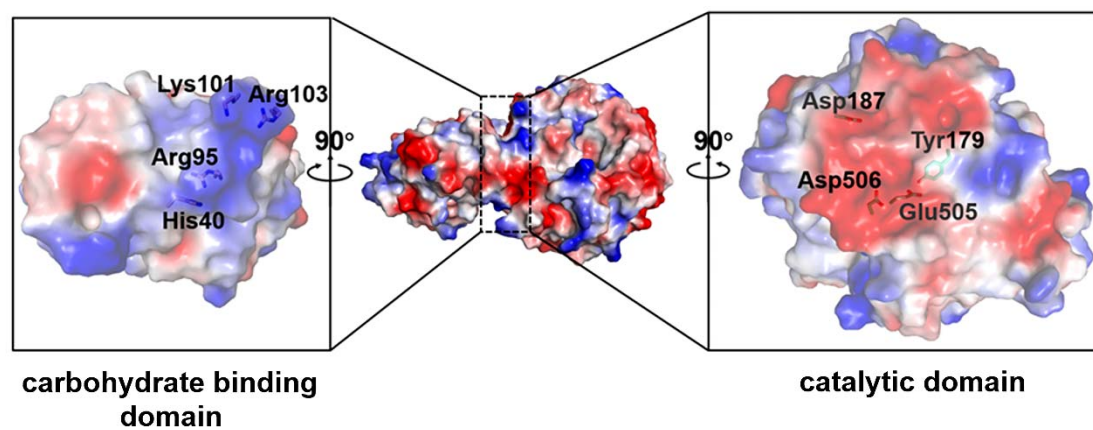


Figure S4 The electrostatic surface potential of SiaPG, colored by ranging from blue (+5 kT/e) to red (-5 kT/e). Two domains are rotated oppositely by 90° to show the interfaces.

