

SUPPLEMENTAL DATA

For

ASN347-GLYCOSYLATION OF CORTICOSTEROID BINDING GLOBULIN FINE-TUNES THE
HOST IMMUNE RESPONSE BY MODULATING PROTEOLYSIS BY *P. AERUGINOSA* AND
NEUTROPHIL ELASTASE*

**Zeynep Sumer-Bayraktar¹, Oliver C. Grant², Vignesh Venkatakrisnan¹, Robert J. Woods², Nicolle
H. Packer¹ and Morten Thaysen-Andersen^{1^}**

¹Dept. Chemistry and Biomolecular Sciences, Macquarie University, Sydney, NSW-2109, Australia.

²Complex Carbohydrate Research Center, 315 Riverbend Road, University of Georgia, Athens, 30602,
Georgia, US.

*Running title: *Asn347-glycans fine-tune elastase-based RCL cleavage of CBG*

[^]To whom correspondence should be addressed: Dr. Morten Thaysen-Andersen,
Department of Chemistry and Biomolecular Sciences, Macquarie University, Sydney, NSW-2109,
Australia, Tel: +61 2 9850 7487, Fax: +61 2 9850 6192, E-mail: morten.andersen@mq.edu.au

Supplementary Table S1.....Page S2

SUPPLEMENTARY TABLES

Supplementary Table S1: Overview of the nomenclature and structure of *N*-glycans used for MD simulations of glycosylated CBG. The 3D structures of the glycans can be generated via GLYCAM-Web by copying the glycan structures into the carbohydrate builder on GLYCAM-Web or built via URL by preceding each structure with “<http://glycam.org/url?condensed=>”.

Glyco-form	Glycan structure (Condensed GLYCAM nomenclature)	Structure
BS2	DNeup5Aca2-3DGalpb1-4DGlcNac1-2DManpa1-6[DNeup5Aca2-3DGalpb1-4DGlcNac1-2DManpa1-3]DManpb1-4DGlcNac1-4DGlcNac1-OH	
TS3-A	DNeup5Aca2-3DGalpb1-4DGlcNac1-2DManpa1-6[DNeup5Aca2-3DGalpb1-4DGlcNac1-2[DNeup5Aca2-3DGalpb1-4DGlcNac1-4]DManpa1-3]DManpb1-4DGlcNac1-4DGlcNac1-OH	
DTS3-A	DGalpb1-4DGlcNac1-2DManpa1-6[DGalpb1-4DGlcNac1-2[DGalpb1-4DGlcNac1-4]DManpa1-3]DManpb1-4DGlcNac1-4DGlcNac1-OH	
TS3f-A	DNeup5Aca2-3DGalpb1-4DGlcNac1-2DManpa1-6[DNeup5Aca2-3DGalpb1-4DGlcNac1-2[DNeup5Aca2-3DGalpb1-4DGlcNac1-4]DManpa1-3]DManpb1-4DGlcNac1-4[LFucpa1-6]DGlcNac1-OH	
TS3-B	DNeup5Aca2-3DGalpb1-4DGlcNac1-2[DNeup5Aca2-3DGalpb1-4DGlcNac1-6]DManpa1-6[DNeup5Aca2-3DGalpb1-4DGlcNac1-2DManpa1-3]DManpb1-4DGlcNac1-4DGlcNac1-OH	
DTS3-B	DGalpb1-4DGlcNac1-2[DGalpb1-4DGlcNac1-6]DManpa1-6[DGalpb1-4DGlcNac1-2DManpa1-3]DManpb1-4DGlcNac1-4DGlcNac1-OH	
TS3f-B	DNeup5Aca2-3DGalpb1-4DGlcNac1-2[DNeup5Aca2-3DGalpb1-4DGlcNac1-6]DManpa1-6[DNeup5Aca2-3DGalpb1-4DGlcNac1-2DManpa1-3]DManpb1-4DGlcNac1-4[LFucpa1-6]DGlcNac1-OH	