Supplementary Information

Unraveling the Surface Glycoprotein Interaction Network by Integrating Chemical Crosslinking with MS-Based Proteomics

Fangxu Sun, Suttipong Suttapitugsakul and Ronghu Wu*

School of Chemistry and Biochemistry and the Petit Institute for Bioengineering and Bioscience, Georgia Institute of Technology, Atlanta, Georgia 30332, USA

*Corresponding author: Phone: 404-385-1515; Fax: 404-894-7452.
E-mail: ronghu.wu@chemistry.gatech.edu

Supplementary Tables

Table S1. Identified and quantified proteins in the experiment.

Table S2. Identification of 657 N-glycosylation sites on 328 glycoproteins.

Table S3. Protein domains from the identified proteins with fold change>2 and P<0.05.

Table S4. Protein-protein interactions extracted from IntAct.

Table S5. Crosslinked peptides identified in the duplicate experiments.

Supplementary Figures

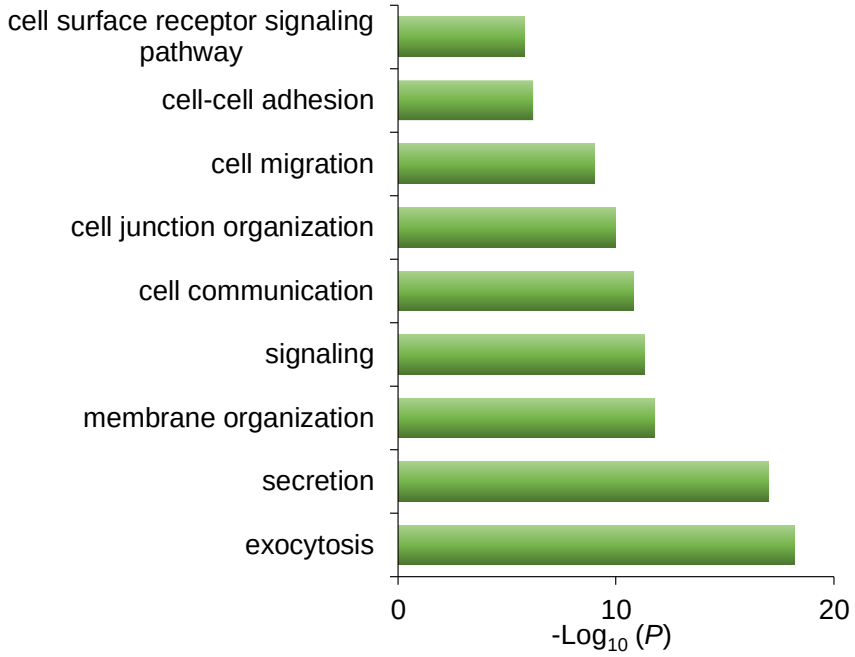

Figure S1. Protein clustering of enriched proteins based on biological process.

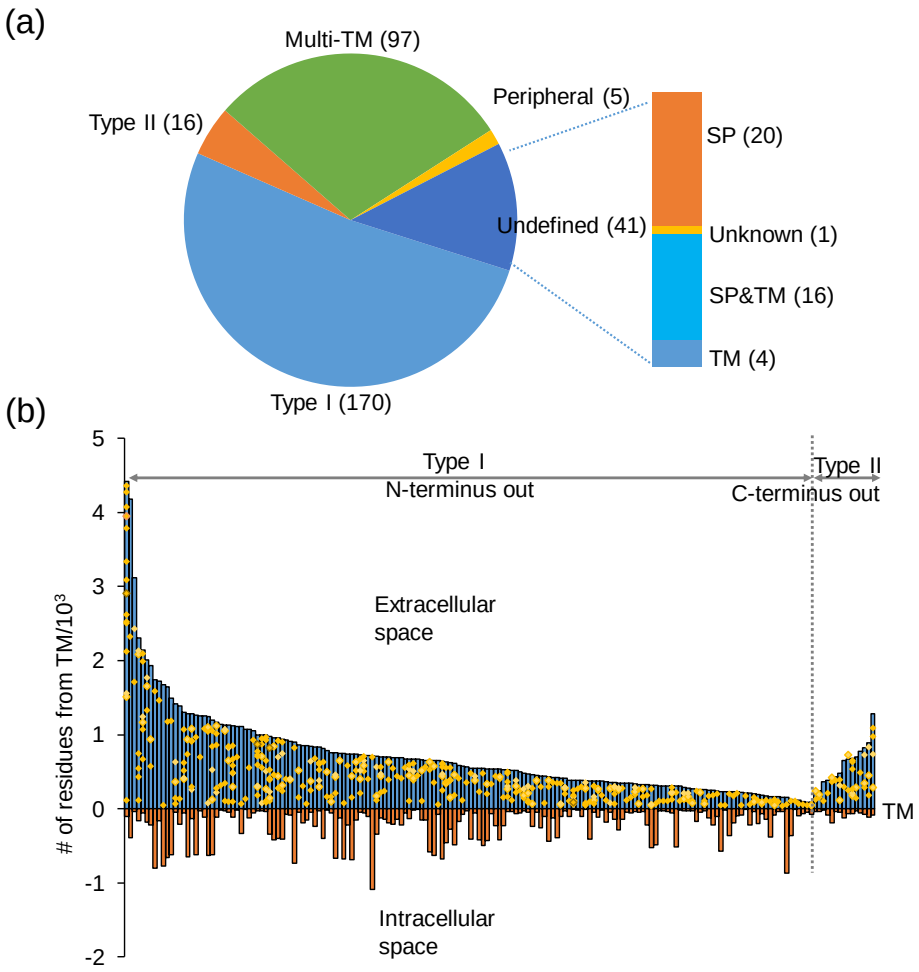

Figure S2. (a) Classification of identified surface N-glycoproteins. (b) Site location of the type I and II N-glycoproteins based on the transmembrane domain (TM).

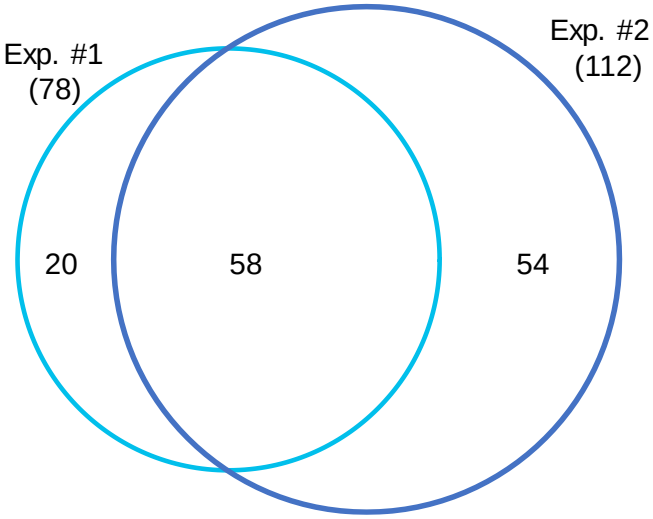

Figure S3. Overlap of the crosslinked peptides identified from the biological duplicate experiments.