

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Running time and glycoPSMs identified by GlycanFinder, pGlyco3, MetaMorpheus, and MSFragger on the fission yeast dataset from Liu et al.²⁷

File Name: Supplementary Data 2

Description: Glycan de novo sequencing results by GlycanFinder and StrucGP on the dataset of five mouse tissues from Liu et al.²⁷

File Name: Supplementary Data 3

Description: glycoPSMs identified by GlycanFinder, pGlyco3, and MSFragger on the IgG Orbitrap dataset.

File Name: Supplementary Data 4

Description: glycoPSMs identified by GlycanFinder on the IgG timsTOF dataset.

File Name: Supplementary Data 5

Description: N-linked and O-linked evaluation results and glycoPSMs identified by GlycanFinder from the HCD-EThcD-CID dataset from the community-based evaluation study by Kawahara et al.³

File Name: Supplementary Data 6

Description: Protein, glycan databases, and a Python script to calculate the evaluation criteria for the HCD-EThcD-CID dataset from the community-based evaluation study by Kawahara et al.³

File Name: Supplementary Data 7

Description: Documentation of GlycanFinder.