SUPPLEMENTARY FIGURE CAPTIONS

Figure S1: Deconvoluted tandem MS data of two kappa casein glycopeptide isomers corresponding in mass to [STVAT+GalNAc₁+Gal₁+NeuAc₁+2H]⁺² (**A**) eluting at 19.5 min with the NeuAc residue connected to the Gal residue and (**B**) eluting at 22.0 min with the NeuAc residue connected to the GalNAc residue. Rectangles (), circles () and diamond symbols () represent GalNAc, Gal and NeuAc residues, respectively.

Figure S2: Deconvoluted tandem MS data of two ribonuclease B glycopeptides corresponding in mass to the glycopeptides (**A**) [**N**LTK+GlcNAc₂+Man₅+2H]⁺² and (**B**) [**N**LTK+GlcNAc₂+Man₉+2H]⁺². Circles (●) and squares (■) represent mannose and GlcNAc residues, respectively.

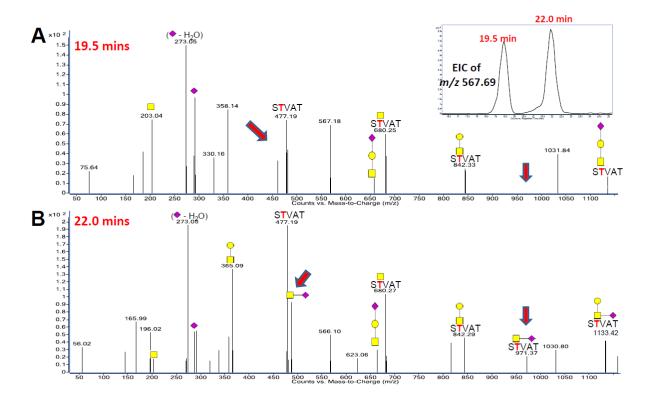
Figure S3: Extracted compound chromatograms (ECCs) of ribonuclease B glycopeptides generated following pronase digestion of (**A**) 1 μg of the protein and (**B**) 100 ng of the protein.

Figure S4: Extracted compound chromatogram (ECC) of ribonuclease B glycopeptides generated following subtilisin digestion of 10 μg of the protein.

Figure S5: Deconvoluted tandem MS data of two bovine lactoferrin glycopeptides corresponding in mass to the glycopeptides (**A**) [NDT+GlcNAc₂+Man₈+2H]⁺² and (**B**) [NDT+GlcNAc₂+Man₉+2H]⁺². Circles (●) and squares (■) represent mannose and GlcNAc residues, respectively.

Figure S6: Detailed site-heterogeneity and detected glycoform abundance of human immunoglobulin M obtained via INPEG analysis on human serum.

Figure S1A and S1B



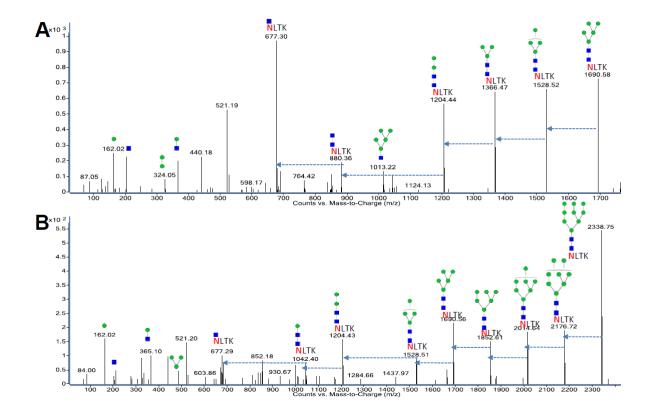


Figure S3A and S3B

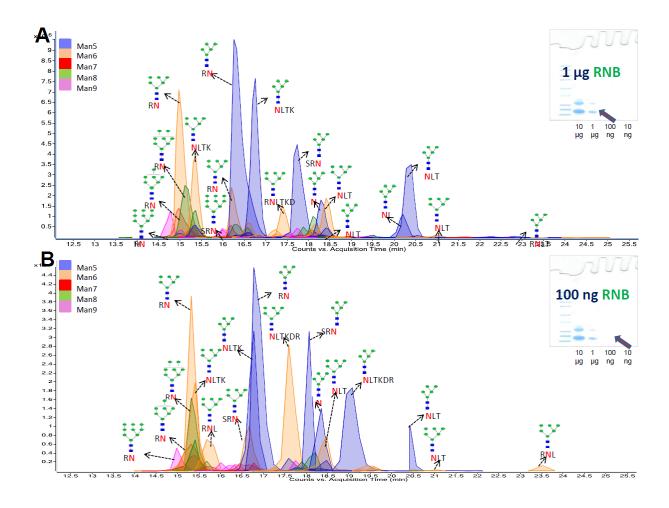


Figure S4

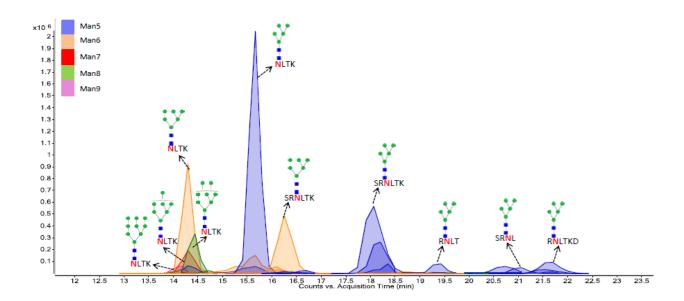


Figure S5A and S5B

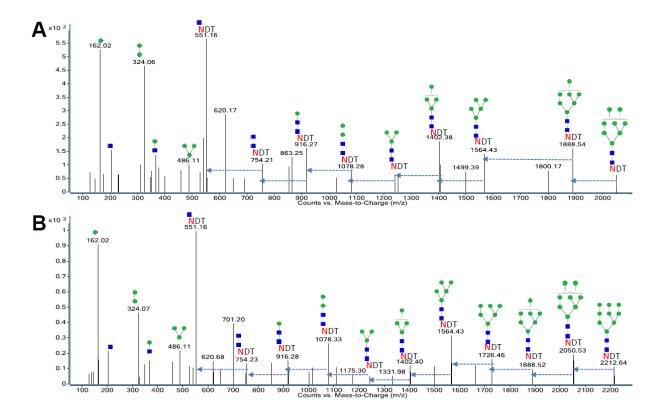


Figure S6

