**Supplementary figure:** MS/MS spectrum of the precursor ion of m/z 929.69 (4+), obtained in the data dependent mode with a collision energy ramp from 30 to 40 V, which was assigned to the miss-cleaved glycopeptide TKPREEQF<u>NST</u>YR containing the glycan  $G_2FSA$ . The ions marked with a star are singly charged. The other ions observed in the MS/MS are doubly charged, and the indicated masses are monoisotopic.

