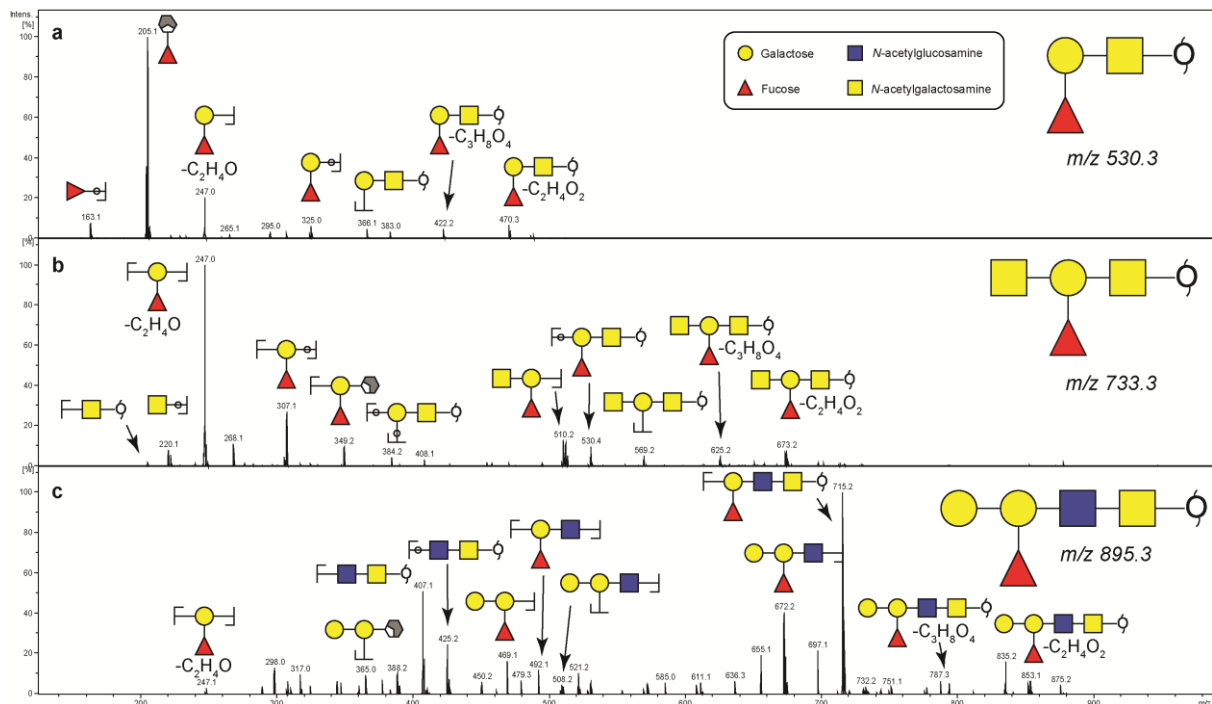


Supplementary Figure 2



Supplementary Figure 2: Representative mass spectra of *O*-glycans released from salivary glycoproteins proteins. Collision-induced dissociation–MS/MS fragment spectra of singly charged negative ion of three *O*-linked glycan structures from saliva at (a) m/z 530.3¹⁻, (b) m/z 733.3¹⁻ and (c) m/z 895.3¹⁻. The fragmentation spectra of these unique glycan species represented here were used to identify secretor and ABO(H) blood group status. For example, the structure with m/z 530.3¹⁻ is indicative of an H-antigen and was observed to be present only in secretor individuals. Similarly, the fragmentation spectra of m/z 733.3¹⁻ show an *O*-glycan structure with blood group A epitope and m/z 895.3¹⁻ with blood group B epitope.