**S10 Fig.** Hexosylation of the peptide ANAKNYGFSDAYGK of MARTH_403. Orbitrap MS showing the doubly and triply charged ions. The 81.0277 shift for \( z = 2 \) between the non-glycosylated and glycosylated peptides equates to a mass shift of 162.0554 Da, which corresponds to the addition of a hexose (162.0528 Da) with a mass accuracy of 0.0026 Da. The 54.0181 shift for \( z = 3 \) between non-glycosylated and glycosylated forms equates to a mass shift of 162.0543 Da, which indicates the addition of a hexose with a mass accuracy of 0.0015 Da. The theoretical and experimental calculated values for \( m/z \) are given in bold. The images presented were obtained from an LC peak of MS scans and are expanded to show the charge states of each form.