Supplemental Figure 6. Analysis of IM$_{Man1A}$xIM$_{XylT1A}$xIM$_{FucT}$, IM$_{XylT1A}$xIM$_{FucT}$ and IM$_{Man1A}$xIM$_{XylT1AB}$.

A, For all identified *N*-glycan compositions, the number of *N*-glycosites harboring this glycan is shown for IM$_{XylT1A}$xIM$_{FucT}$ (light violet) and IM$_{Man1A}$xIM$_{XylT1A}$xIM$_{FucT}$ (green). The *N*-glycan complexity is increasing from left (oligomannosidic, not methylated) to right (decorated, methylated). *N*-glycan compositions were grouped according to the presence of Pent and/or dHex (optional for sugars written in parenthesis). All *N*-glycosites are taken into account. Peptide sequences and *N*-glycan compositions attached are listed in Supplemental Data 2. B, Venn diagram for *N*-glycosites for which the *N*-glycan composition could be determined for IM$_{XylT1A}$xIM$_{FucT}$ and IM$_{Man1A}$xIM$_{XylT1A}$xIM$_{FucT}$. C, Venn diagram for *N*-glycosites for which the

N-glycan composition could be determined for IM$_{Man1A}$xIM$_{XylT1A}$ and IM$_{Man1A}$xIM$_{XylT1AB}$. d, Differences in number of dHex for *N*-glycosites found in both strains were calculated. The legends indicate the total number of *N*-glycosites compared. Some *N*-glycosites harboring multiple *N*-glycoforms could not be assigned to one of the categories (n.a.).