## **Supplementary Figure**

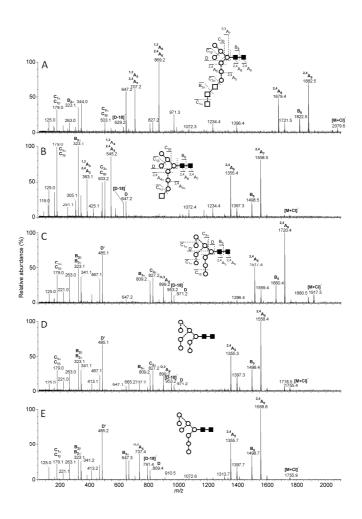


Figure S1

CID spectra of  $[M+CI]^-$  ions of the N-linked glycans from CTLA-4ex. (**A**) Hex<sub>10</sub>HexNAc<sub>2</sub> from the glycans from CTLA-4ex expressed in CHO-K1 cells with 1.5mM NB-DNJ; (**B**) Hex<sub>8</sub>HexNAc<sub>2</sub> from the glycans from CTLA-4ex expressed in CHO Lec3.2.8.1 cells with 0.5mM NB-DNJ; (**C**) Hex<sub>9</sub>HexNAc<sub>2</sub> from the glycans from CTLA-4ex expressed in CHO-K1 cells with  $10\mu$ M kifunensine; (**D**) Hex<sub>8</sub>HexNAc<sub>2</sub> from the glycans from CTLA-4ex expressed in CHO-K1 cells with  $10\mu$ M kifunensine; and (**E**) a D1,D3-Man<sub>8</sub>GlcNAc<sub>2</sub> standard. Symbols as in Figure 2, main text.