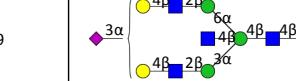
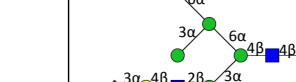
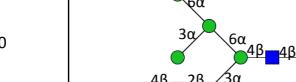
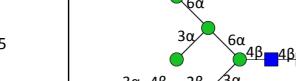
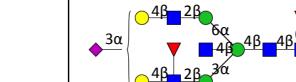
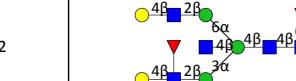
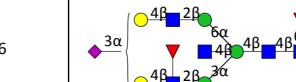
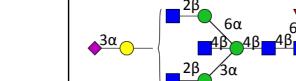
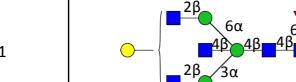
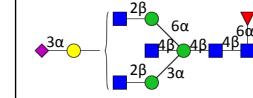
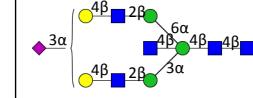
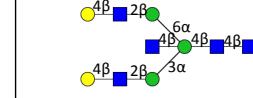


Table S2. Exoglycosidase treatments of glycan fractions and their elucidated structures.

Fraction #	Theoretical <i>m/z</i>	Experimental <i>m/z</i>	Mass Error (ppm)	Glycan Composition	Exoglycosidase	Relative Retention Time (min)	Structure
33	967.86	967.86	0.2	Hex ₅ HexNAc ₄ Neu5Ac ₁ + ol	--	0	
33a	822.31	822.31	-2.2	Hex ₅ HexNAc ₄ + ol	α-2,3-sialidase	-4.81	
33b	785.29	785.29	-4.9	Hex ₄ HexNAc ₃ Neu5Ac ₁ + ol	β-1,4-galactosidase; β-GlcNAcase; α-1,3-mannosidase	-1.79	
38	858.32	858.32	-3.3	Hex ₄ HexNAc ₃ Fuc ₁ Neu5Ac ₁ + ol	--	0	
38a	712.77	712.78	7.3	Hex ₄ HexNAc ₃ Fuc ₁ + ol	α-2,3-sialidase	-5.12	
38b	858.32	858.32	-3.3	Hex ₄ HexNAc ₃ Fuc ₁ Neu5Ac ₁ + ol	α-1,3-mannosidase	-0.45	
22	1142.43	1142.43	1.9	Hex ₅ HexNAc ₅ Fuc ₁ Neu5Ac ₁ + ol	--	0	
22a	996.88	996.88	-0.8	Hex ₅ HexNAc ₅ Fuc ₁ + ol	α-2,3-sialidase	-4.72	

22b	1142.43	1142.43	1.9	$\text{Hex}_5\text{HexNAc}_5\text{Fuc}_1\text{Neu5Ac}_1 + \text{ol}$	$\beta\text{-GlcNAcase}$	0.09	
29	947.35	947.34	-6.1	$\text{Hex}_5\text{HexNAc}_3\text{Neu5Ac}_1 + \text{ol}$	--	0	
29a	801.80	801.80	1.5	$\text{Hex}_5\text{HexNAc}_3 + \text{ol}$	$\alpha\text{-2,3-sialidase}$	-5.10	
29c	947.35	947.34	-6.1	$\text{Hex}_5\text{HexNAc}_3\text{Neu5Ac}_1 + \text{ol}$	$\alpha\text{-1,3-mannosidase}$	-0.05	
19	1215.46	1215.46	2.6	$\text{Hex}_5\text{HexNAc}_5\text{Fuc}_2\text{Neu5Ac}_1 + \text{ol}$	--	0	
19a	1069.91	1069.91	0.6	$\text{Hex}_5\text{HexNAc}_5\text{Fuc}_2 + \text{ol}$	$\alpha\text{-2,3-sialidase}$	-5.12	
19b	1215.46	1215.45	-5.6	$\text{Hex}_5\text{HexNAc}_5\text{Fuc}_2\text{Neu5Ac}_1 + \text{ol}$	$\beta\text{-GlcNAcase}$	-0.06	
18	1061.40	1061.40	-1.6	$\text{Hex}_4\text{HexNAc}_5\text{Fuc}_1\text{Neu5Ac}_1 + \text{ol}$	--	0	
18a	915.85	915.85	-4.3	$\text{Hex}_4\text{HexNAc}_5\text{Fuc}_1 + \text{ol}$	$\alpha\text{-2,3-sialidase}$	-4.61	

18b	1061.40	1061.40	-1.6	Hex ₆ HexNAc ₅ Fuc ₁ Neu5Ac ₁ + ol	β -GlcNAcase	0.02	
11	1069.40	1069.40	0.8	Hex ₅ HexNAc ₅ Neu5Ac ₁ + ol	--	0	
11a	923.85	923.85	-1.5	Hex ₅ HexNAc ₅ + ol	α -2,3-sialidase	-4.80	
11b	1069.40	1069.40	0.8	Hex ₅ HexNAc ₅ Neu5Ac ₁ + ol	β -GlcNAcase	0.02	