




















































































SUPPLEMENTARY TABLE LEGENDS

SUPPLEMENTARY TABLE ST1. Structure interpretations of the mutual fragments which were found in all four derivatized 66-kDa N-glycans that have been released after PNGase F digestion in the positive ion MS/MS spectra.

SUPPLEMENTARY TABLE ST2. Structure interpretations of the fragments which were found in the positive ion MS/MS spectra for the most abundant 2AB-labeled N-glycan released by Endo H: m/z 1834.5.

SUPPLEMENTARY TABLE ST1

<i>m/z</i> , (Positive ion, [M+Na] ⁺)		Composition					Proposed structure	
Found*	Calc.	Hex	<i>O</i> -MeHex	Xyl	GlcNAc	Other		
203.7							 	
203.6	203.06	1	0	0	0	0		
203.6	203.08	0	0	0	1	-H ₂ O		
203.7								
364.3							 — 2AB  — β 4 — 	
364.8	364.15	0	0	0	1	2AB		
364.4	365.13	1	0	0	1	-H ₂ O		
364.5								
567.3							 — β 4 —  — 2AB  — α 6 —  — β 4 —   — α 3 —  — β 4 — 	
567.6	567.23	0	0	0	2	2AB		
567.3	568.18	2	0	0	1			
567.3								
655.4							  —  — 	
655.2	655.21	2	1	1	0	-H ₂ O		
655.9								
655.5								
817.5							  —  —  — α 6 — 	
817.1	817.26	3	1	1	0	-H ₂ O		
818.0								
817.5								
993.7							 —  —  —  — α 6 —   —  —  —  — α 6 —   —  — α 6 —   —  — α 3 — 	
993.4	993.33	3	2	1	0	-H ₂ O		
993.1								
993.5								
1154.9							  —  —  — α 6 —   —  —  — α 6 —    —  —  — α 6 —   —  —  — α 6 —   —  — α 3 —	
1155.1	1155.38	4	2	1	0	-H ₂ O		
1155.2								
1154.8								
1493.8							  —  —  — α 6 —   —  —  — α 6 —    —  —  — α 6 —   —  —  — α 6 —   —  — α 3 — 	
1493.8	1493.50	5	3	1	0	-H ₂ O		
1494.0								
1493.8								





 = GlcNAc
 = Man
 = *O*-MeHex
 = Xyl

* The four numbers refer to four compounds.

SUPPLEMENTARY TABLE ST2

<i>m/z</i> (Positive ion, [M+Na] ⁺)		Composition					Proposed structure
Found*	Calc.	Hex	<i>O</i> -MeHex	Xyl	GlcNAc	Other	
347.7	347.09	2	0	0	0	-H ₂ O	
364.5	364.15	0	0	0	1	2AB	
	365.13	1	0	0	1	-H ₂ O	
507.6	508.19	1	0	0	1	2AB -H ₂ O	
523.4	523.17	2	1	0	0	-H ₂ O	
655.5	655.21	2	1	1	0	-H ₂ O	
685.8	685.22	3	1	0	0	-H ₂ O	
818.3	817.26	3	1	1	0	-H ₂ O	
850.4	849.30	2	2	1	0		
921.1	920.34	2	2	0	1		
993.6	993.33	3	2	1	0	-H ₂ O	
1026.5	1026.38	3	1	0	1	2AB	
1154.9	1155.38	4	2	1	0	-H ₂ O	
1317.2	1317.43	5	2	1	0	-H ₂ O	

1334.6	1334.49	3	2	1	1	2AB	
1364.2	1364.50	4	2	0	1	2AB	
1493.8	1493.51	5	3	1	0	-H ₂ O	
1657.7	1658.61	5	2	1	1	2AB	
1834.5	1834.59	5	3	1	1	2AB	

-  = GlcNAc
-  = Man
-  = O-MeHex
-  = Xyl