

Supplementary Tables I & II

High Sensitivity O-glycomic Analysis of Mice Deficient
in Core 2 β 1,6-N-acetylglucosaminyltransferases

Ismail et al. 2010
Glycobiology

Supplementary Table I. O-glycan structures from the stomach of wild type and knockout mice. This table summarises all structures $[M+Na]^+$ observed in the MALDI-TOF-MS spectra of stomach tissues from wild type, C2GnT2 knockout, C2GnT3 knockout and C2GnT triple knockout mice.

<i>m/z</i>	Structures				<i>m/z</i>	Structures			
	WT	C2GnT2 KO	C2GnT3 KO	C2GnT Triple KO		WT	C2GnT2 KO	C2GnT3 KO	C2GnT Triple KO
534					1473				ND
708					1505		2 2 3	ND	
738	ND		ND		1518	ND		ND	
779					1535		ND		
895					1578				ND
912					1589	ND		ND	
925				ND	1606				
953					1647		ND		
983					1677				
1024					1692	ND	ND	ND	
1086	ND	ND	ND		1709	ND	ND	ND	
1140	ND		ND	ND	1780				
1157					1810	ND	ND	ND	
1187					1852				ND
1198					1882		4 4		ND
1228					1922				ND
1256	ND				1955	ND	ND	ND	
1286	ND	ND		ND					
1269		ND	ND	ND					
1316				ND					
1331									
1361									
1374				ND					
1402									
1432									

m/z	Structures			
	WT	C2GnT2 KO	C2GnT3 KO	C2GnT Triple KO
1985	ND	ND	ND	
2026		ND		ND
2056				
2097				ND
2127		ND		ND
2230				
2243	ND	ND	ND	
2271		ND		ND
2404				
2578		ND		ND
2617		ND		ND
2853		ND		ND
3272		ND	ND	ND
3027		ND		ND
3098		ND		ND
3126		ND		ND
3302		ND		ND
3476		ND		ND

WT; wild type mice, C2GnT2 KO; C2GnT2 knockout mice, C2GnT3 KO, C2GnT3 knockout mice, C2GnT triple KO: C2GnT triple knockout mice, ND; not detected.

Key: GalNAc GlcNAc HexNAc Gal Man Fuc NeuAc NeuGc

Supplementary Table II. O-glycan structures from the small intestine of wild type and knockout mice. This table summarises all structures $[M+Na]^+$ observed in the MALDI-TOF-MS spectra of small intestine tissues from wild type, C2GnT2 knockout, C2GnT3 knockout and C2GnT triple knockout mice.

m/z	Structures				m/z	Structures			
	WT	C2GnT2 KO	C2GnT3 KO	C2GnT Triple KO		WT	C2GnT2 KO	C2GnT3 KO	C2GnT Triple KO
534					1432				
708					1473				ND
779					1501	ND			ND
895					1518	ND	ND	ND	ND
925		ND			1576		ND	ND	ND
953		ND	ND		1589				
983					1763				ND
1024					1780		ND	ND	ND
1069	ND	ND	ND		1834	ND	ND		ND
1140					1851	ND		ND	ND
1157					1950	ND			
1187					2026		ND	ND	ND
1228					2039	ND			
1256	ND			ND	2196	ND			ND
1286	ND			ND	2230		ND		ND
1269		ND	ND	ND	2645	ND	ND		ND
1316	ND			ND					
1331									
1344	ND								
1402				ND					

WT; wild type mice, C2GnT2 KO; C2GnT2 knockout mice, C2GnT3 KO, C2GnT3 knockout mice, C2GnT triple KO; C2GnT triple knockout mice, ND; not detected.

Key: GalNAc GlcNAc HexNAc Gal Man Fuc NeuAc NeuGc