

## Supplementary Table 2

### Annotations of m/z values in Figs 1, 2 and 3 which are not labeled with cartoons in those figures

These structures are based on the molecular weight, N-glycan biosynthetic pathway, MS/MS data and enzymatic digestion results. These structures are simplified to biantennary structures, with additional LacNAc units and capping sugars listed outside the bracket. The NeuGc containing glycan at m/z 2635 is likely diet-derived (83, 84). m/z is mass to charge ratio. ■ GlcNAc, ● Man, ● Gal, ● Glc, ▲ Fuc, ◆ NeuAc, ◇ NeuGc.

Observed m/z value	glycan structure	Observed m/z value	glycan structure	Observed m/z value	glycan structure	Observed m/z value	glycan structure	Observed m/z value	glycan structure
2029.1		2285.1		2605.1, 2605.2		2779.2, 2779.3		3054.2, 3054.3	
2070.1		2315.1, 2315.2		2635.2		2792.2, 2792.3		3140.2, 3140.3	
2081.0, 2081.1, 2081.2		2519.2		2663.2		2837.2, 2837.3		3142.3	
2156.0, 2156.1		2592.1, 2592.2		2676.2		2880.2, 2880.3		3241.3	
2244.1		2600.2		2693.2, 2693.3		3024.2, 3024.3			