

Table S3: Full list of glycans analyzed on the MALDI-TOF mass spectrometer

Observed m/z	Theoretical m/z	Error in PPM	Glycan Structure
933.318	933.317	1.0714	Hex3HexNAc2
1079.371	1079.375	3.7058	Hex3dHex1HexNAc2
1095.370	1095.370	0.0000	Hex4HexNAc2
1136.395	1136.396	0.8800	Hex3HexNAc3
1257.423	1257.423	0.0000	Hex5HexNAc2
1282.446	1282.454	6.2380	Hex3dHex1HexNAc3
1298.446	1298.449	2.3104	Hex4HexNAc3
1339.473	1339.476	2.2397	Hex3HexNAc4
1419.475	1419.475	0.0000	Hex6HexNAc2
1444.495	1444.507	8.3073	Hex4dHex1HexNAc3
1460.513	1460.502	7.5317	Hex5HexNAc3
1485.531	1485.534	2.0195	Hex3dHex1HexNAc4
1501.528	1501.529	0.6660	Hex4HexNAc4
1542.547	1542.555	5.1862	Hex3HexNAc5
1581.526	1581.528	1.2646	Hex7HexNAc2
1606.585	1606.560	15.5612	Hex5dHex1HexNAc3
1622.543	1622.555	7.3957	Hex6HexNAc3
1647.596	1647.587	5.4625	Hex4dHex1HexNAc4
1663.582	1663.581	0.6011	Hex5HexNAc4
1688.603	1688.613	5.9220	Hex3dHex1HexNAc5
1704.597	1704.608	6.4531	Hex4HexNAc5
1743.582	1743.581	0.5735	Hex8HexNAc2
1792.627	1792.624	1.6735	Hex4HexNAc4NeuAc1
1809.641	1809.639	1.1052	Hex5dHex1HexNAc4
1825.626	1825.634	4.3820	Hex6HexNAc4
1850.660	1850.666	3.2421	Hex4dHex1HexNAc5
1866.669	1866.661	4.2857	Hex5HexNAc5
1905.636	1905.634	1.0495	Hex9HexNAc2
1911.567	1911.586	9.9394	Hex5dHex1HexNAc4 + 2Na + SO4
1955.699	1955.697	1.0227	Hex5dHex2HexNAc4
1976.671	1976.667	2.0236	Hex5HexNAc4NeuAc1 + 2Na
2010.670	2010.622	23.8732	Hex7dHex1HexNAc3 + SO4
2012.719	2012.719	0.0000	Hex5dHex1HexNAc5
2028.712	2028.714	0.9858	Hex6HexNAc5
2057.702	2057.644	28.1876	Hex5dHex2HexNAc4 + 2Na + SO4
2067.680	2067.684	1.9345	Hex10HexNAc2
2122.738	2122.725	6.1242	Hex5dHex1HexNAc4NeuAc1 + 2Na
2174.767	2174.772	2.2991	Hex6dHex1HexNAc5
2215.794	2215.730	28.8844	Hex5dHex1HexNAc6
2320.835	2320.829	2.5853	Hex6dHex2HexNAc5
2341.809	2341.799	4.2702	Hex6HexNAc5NeuAc1 + 2Na
2377.842	2377.851	3.7849	Hex6dHex1HexNAc6
2393.849	2393.846	1.2532	Hex7HexNAc6
2421.770	2421.798	11.5617	Hex9HexNAc3NeuAc1 + 2Na

2487.867	2487.857	4.0195	Hex6dHex1HexNAc5NeuAc1 + 2Na
2539.902	2539.904	0.7874	Hex7dHex1HexNAc6
2685.955	2685.962	2.6061	Hex7dHex2HexNAc6
2743.062	2742.983	28.8008	Hex7dHex1HexNAc7
2759.059	2758.978	29.3587	Hex8HexNAc7
2905.054	2905.036	6.1961	Hex8dHex1HexNAc7
3124.155	3124.110	14.4041	Hex9HexNAc8