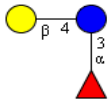
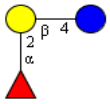
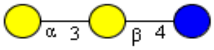
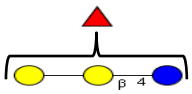
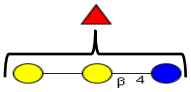
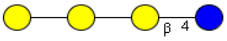
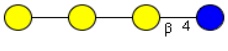
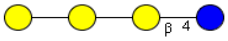
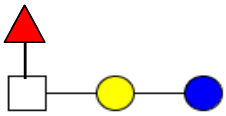
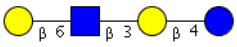
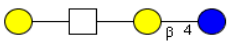
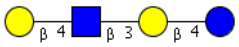
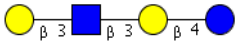
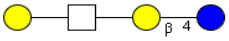
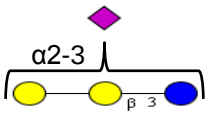
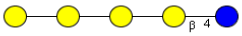
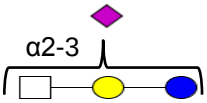
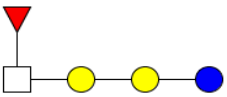
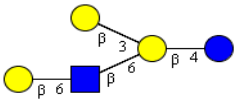
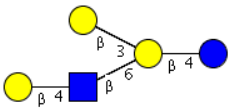
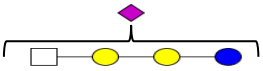
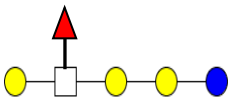
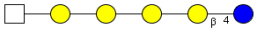
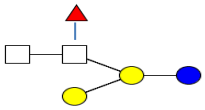
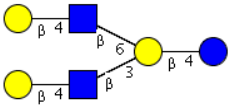
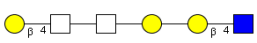
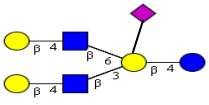
	RT	Mass	Hex	HexNAc	Fuc	NeuAc	NeuGc	Intensity	Relative Intensity	Structure	Ref
1	1.78	490.19	2	0	1	0	0	5655	0.46		1,2
2	12.6	490.19	2	0	1	0	0	7215	0.59		3
3	15.3	506.18	3	0	0	0	0	11441	0.94		4,5,6
4	12.3	506.18	3	0	0	0	0	25270	2.07		4,5,6
5	11.7	506.18	3	0	0	0	0	79632	6.52		4,5,6
6	9.97	506.18	3	0	0	0	0	244882	20.05		4,5,6
7	12	547.21	2	1	0	0	0	1354	0.11		
8	11.2	547.21	2	1	0	0	0	11027	0.90		7
9	10.5	547.21	2	1	0	0	0	1514	0.12		
10	13.5	547.21	2	1	0	0	0	3880	0.32		

11	15.7	547.21	2	1	0	0	0	2193	0.18		
12	9.64	547.21	2	1	0	0	0	74141	6.07		8
13	14.4	547.21	2	1	0	0	0	805	0.07		
14	13.3	635.23	2	0	0	1	0	27605	2.26		7,9,10
15	19.8	635.23	2	0	0	1	0	251914	20.63		7,9,10
16	19.3	651.22	2	0	0	0	1	35974	2.95		7,10
17	13.3	652.24	3	0	1	0	0	3643	0.30		
18	19.9	652.24	3	0	1	0	0	14541	1.19		
19	12.4	668.24	4	0	0	0	0	4329	0.35		
20	15.3	668.24	4	0	0	0	0	2410	0.20		

21	11.5	668.24	4	0	0	0	0	1089	0.09		
22	19.3	668.24	4	0	0	0	0	6013	0.49		
23	13	676.25	1	1	0	1	0	230151	18.84		7
24	14.6	676.25	1	1	0	1	0	2301	0.19		11
25	12.7	692.25	1	1	0	0	1	18273	1.50		9
26	10.4	693.27	2	1	1	0	0	1971	0.16		
27	9.7	709.26	3	1	0	0	0	1265	0.10		12
28	13.5	709.26	3	1	0	0	0	485	0.04		
29	10.8	709.26	3	1	0	0	0	1923	0.16		
30	15.5	709.26	3	1	0	0	0	1659	0.14		

31	12.2	709.26	3	1	0	0	0	47788	3.91		7,8
32	11.3	709.26	3	1	0	0	0	1800	0.15		7,8
33	14.4	709.26	3	1	0	0	0	986	0.08		
34	14.8	750.29	2	2	0	0	0	3708	0.30		
35	14.1	750.29	2	2	0	0	0	5278	0.43		
36	22.5	797.28	3	0	0	1	0	3918	0.32		13
37	10	830.29	5	0	0	0	0	897	0.07		
38	14	838.31	2	1	0	1	0	4926	0.40		
39	11.4	855.32	3	1	1	0	0	3058	0.25		
40	18.8	871.32	4	1	0	0	0	4129	0.34		7,8

41	16.4	871.32	4	1	0	0	0	22953	1.88		7,8
42	15.1	912.34	3	2	0	0	0	15604	1.28		
43	14.3	912.34	3	2	0	0	0	1124	0.09		
44	22.4	1000.4	3	1	0	1	0	1119	0.09		
45	14.3	1017.4	4	1	1	0	0	1670	0.14		
46	18.7	1033.4	5	1	0	0	0	2496	0.20		
47	13.8	1058.4	3	2	1	0	0	2422	0.20		
48	19.4	1074.4	4	2	0	0	0	11799	0.97		7
49	17.7	1115.4	3	3	0	0	0	9861	0.81		
50	13	1365.5	4	2	0	1	0	1222	0.10		

References for supplementary Table 1

1.)(Kuhn, et al. 1956)

2.) (Mariño, et al. 2011)

3.)(Montreuil 1956)

4.) (Chaturvedi and Sharma 1988)

5.) (Urashima, et al. 2001)

6.)(Saito, et al. 1987)

7.) (Urashima, et al. 1989)

8.) (Urashima, et al. 1991)

9.) (Kuhn and Brossmer 1959)

10) (Veh, et al. 1981)

11) (Urashima, et al. 1997)

12) (Kuhn and Gauhe 1962)

13) (Parkkinen and Finne 1987)