

Appendix Table S1

Pos ^a	Probe ^b	Sequence	Binding signals (5fmol/probe spot)	
			F77	Anti-B
Lactose and N-acetyllactosamine-based				
1	Galactocerebrosides	Gal β -Cer	15	191
2	H-Di	Fuc α -2Gal	- ^c	-
3	A-Tri	GalNAc α -3Gal Fuc α -2	-	-
4	B-Tri	Gal α -3Gal Fuc α -2	-	3
5	B-Tri-AO	Gal α -3Gal-AO Fuc α -2	-	-
6	GSC-426	3-deoxy, 3-carboxymethyl-Gal β -C30	-	-
7	Sulfatide	SU-3Gal β -Cer	-	-
8	GSF-1	SU-3Gal β -C30	-	-
9	GSC-209	GlcA β -3Gal β -Cer42	-	-
10	GSC-210	SU-3GlcA β -3Gal β -Cer42	-	-
11	GSC-187	NeuAc α -3Gal β -C29	-	-
12	GSC-40	NeuAc α - (S) -3Gal β -Cer42	-	-
13	GSC-230	NeuAc α -8NeuAc α -3Gal β -Cer36	-	-
14	GSC-27	NeuAc α -6Gal β -Cer36	-	-
15	GSC-144	KDN α -6Gal β -Cer36	-	-
16	GSC-13	NeuAc α - (S) -6Gal β -Cer36	-	-
17	GSC-72	NeuAc α - (S) -6Gal β - (S) -Cer36	-	-
18	GSC-231	NeuAc α -8NeuAc α -6Gal β -Cer36	-	-
19	GSC-439	NeuAc α -8NeuAc α -8NeuAc α -6Gal β -Cer36	-	-
20	Glucocerebrosides	Glc β -Cer?	-	-
21	GSF-19	SU-6Glc β -C30	-	-
22	GSC-60	NeuAc α -6Glc β -Cer36	-	-

23	GSC-9	NeuAc α -(S)-6Glc β -Cer36	-	-
24	GSC-62	NeuAc α -2Glc β -Cer36	-	-
25	GSC-59	NeuAc α -6GlcNAc β -Cer36	-	-
26	GSC-95	NeuAc α -(S)-6GlcNAc β -Cer36	-	-
27	GSC-232	NeuAc α -8NeuAc α -6Glc β -Cer36	-	-
28	Lactocerebrosides	Gal β -4Glc β -Cer	-	-
29	Lac	Gal β -4Glc	-	-
30	Lac-AO	Gal β -4Glc-AO	-	-
31	GSC-432	3-deoxy, 3-carboxymethyl-Gal β -4Glc β -C30	-	-
32	GSC-296	GlcA β -3Gal β -4Glc β -C30	-	-
33	GSC-353	SU-3GlcA β -3Gal β -4Glc β -C30	-	-
34	GalNAc α -3Gal β -4Glc	GalNAc α -3Gal β -4Glc	-	-
35	Globotri-AO	Gal α -4Gal β -4Glc β -AO	-	-
36	Ceramide trihexoside	Gal α -4Gal β -4Glc β -Cer	-	-
37	Globoside (P-antigen)	GalNAc β -3Gal α -4Gal β -4Glc β -Cer	-	-
38	Forssmann glycolipid	GalNAc α -3GalNAc β -3Gal α -4Gal β -4Glc β -Cer	-	-
39	Fuc(3)-Lac-AO	Gal α -4Gal-AO Fuca-3	-	-
40	GSC-430	3-deoxy, 3-carboxymethyl-Gal β -3Glc β -C30 Fuca-4	-	-
41	GSC-260	3-deoxy, 3-carboxymethyl-Gal β -4Glc β -C30 Fuca-3	-	-
42	GSC-150	SU-3Gal β -4Glc β -C30 Fuca-3	-	-
43	GSC-160	SU-3Gal β -4Glc β -Cer36 Fuca-3	-	-
44	NeuAc α -(3')Lac	NeuAc α -3Gal β -4Glc	-	-
45	NeuAc α -(3')Lac-AO	NeuAc α -3Gal β -4Glc-AO	-	-
46	Neu4,5Ac-(3')Lac	Neu4,5Ac α -3Gal β -4Glc	-	-
47	Neu4,5Ac-(3')Lac-AO	Neu4,5Ac α -3Gal β -4Glc-AO	-	-
48	GSC-16	NeuAc α -3Gal β -4Glc β -Cer32	-	-

49	GSC-178	NeuAc α -3Gal β -4Glc β -Cer34	-	-
50	GSC-17	NeuAc α -3Gal β -4Glc β -Cer36	-	-
51	GSC-18	NeuAc α -3Gal β -4Glc β -Cer42	-	-
52	GSC-197	KDN α -3Gal β -4Glc β -Cer28	-	-
53	GSC-199	KDN α -3Gal β -4Glc β -C30	-	-
54	GSC-198	KDN α -3Gal β -4Glc β -Cer34	-	-
55	GSC-75	(4-deoxy) NeuAc α -3Gal β -4Glc β -Cer36	-	-
56	GSC-76	(7-deoxy) NeuAc α -3Gal β -4Glc β -Cer36	-	-
57	GSC-77	(8-deoxy) NeuAc α -3Gal β -4Glc β -Cer36	-	-
58	GSC-153	(4,8-deoxy) NeuAc α -3Gal β -4Glc β -Cer36	-	-
59	GSC-51	(9-deoxy) NeuAc α -3Gal β -4Glc β -Cer36	-	-
60	GSC-78	(4-OMe) NeuAc α -3Gal β -4Glc β -Cer36	-	-
61	GSC-79	(9-OMe) NeuAc α -3Gal β -4Glc β -Cer36	-	-
62	GSC-23	(C7) NeuAc α -3Gal β 1-4Glc β -Cer36	-	-
63	GSC-24	(C8) NeuAc α -3Gal β 1-4Glc β -Cer36	-	-
64	GSC-50	(C8 diastereoisomer) NeuAc α -3Gal β -4Glc β -Cer36	-	-
65	GSC-229	NeuAc α -8NeuAc α -3Gal β -4Glc β -Cer36	-	-
66	GSC-96	NeuAc α -9NeuAc α -3Gal β -4Glc β -Cer36	-	-
67	GSC-437	NeuAc α -8NeuAc α -8NeuAc α -3Gal β -4Glc β -Cer36	-	-
68	Neu α -(3')Lac	Neu α -3Gal β -4Glc	-	-
69	Neu α -(3')Lac-AO	Neu α -3Gal β -4Glc-AO	-	-
70	NeuAc α -(6')Lac	NeuAc α -6Gal β -4Glc	-	-
71	NeuAc α -(6')Lac-AO	NeuAc α -6Gal β -4Glc-AO	-	-
72	GSC-61	NeuAc α -6Gal β -4Glc β -Cer36	-	-
73	GSC-12	NeuAc α -(S)-6Gal β -4Glc β -Cer36	-	-
74	GSC-234	NeuAc α -(S)-6Gal(S) β -4Glc β -Cer36	-	-
75	GSC-73	NeuAc α -(S)-6Gal β -4Glc β -(S)-Cer36	-	-
76	Neu α -(6')Lac	Neu α -6Gal β -4Glc	-	-
77	Neu α -(6')Lac-AO	Neu α -6Gal β -4Glc-AO	-	-
78	NeuAc β -(3')Lac	NeuAc β -3Gal β -4Glc	-	-
79	NeuAc β -(3')Lac-AO	NeuAc β -3Gal β -4Glc-AO	-	-
80	NeuAc β -(6')Lac	NeuAc β -6Gal β -4Glc	-	-

81	NeuAc β -(6')Lac-AO	NeuAc β -6Gal β -4Glc-AO	-	-
82	GSC-161	NeuAc α -3Gal β -4Glc β -C30 Fuca-3	-	-
83	GSC-162	NeuAc α -3Gal β -4Glc β -Cer36 Fuca-3	-	-
84	LacNAc(1-3)	Gal β -3GlcNAc	-	-
85	LacNAc(1-3)-AO	Gal β -3GlcNAc-AO	-	-
86	LacNAc	Gal β -4GlcNAc	-	-
87	LacNAc-AO	Gal β -4GlcNAc-AO	-	-
88	Gal α -4Gal β -4GlcNAc	Gal α -4Gal β -4GlcNAc	-	2
89	SU(3')-LN	SU-3Gal β -4GlcNAc	-	-
90	Lea-Tri	Gal β -3GlcNAc Fuca-4	-	-
91	Lea-Tri-AO	Gal β -3GlcNAc-AO Fuca-4	-	-
92	Lex-Tri	Gal β -4GlcNAc Fuca-3	-	-
93	Lex-Tri-AO	Gal β -4GlcNAc-AO Fuca-3	-	-
94	Lex-Tri-(Me)AO	Gal β -4GlcNAc-(Me)AO Fuca-3	-	-
95	SU(3')-Lea-Tri	SU-3Gal β -3GlcNAc Fuca-4	-	-
96	SU(3')-Lex-Tri	SU-3Gal β -4GlcNAc Fuca-3	-	-
97	NeuAc α -(3')LN1-3	NeuAc α -3Gal β -3GlcNAc	-	-
98	NeuAc α -(3')LN1-3-AO	NeuAc α -3Gal β -3GlcNAc-AO	-	-
99	NeuAc α -(3')LN	NeuAc α -3Gal β -4GlcNAc	-	-
100	NeuAc α -(3')LN-AO	NeuAc α -3Gal β -4GlcNAc-AO	17	-
101	PI-1	NeuAc α -3(6-NAc)Gal β -4GlcNAc	23	-

102	PI-1-AO	NeuAc α -3(6-Nac)Gal β -4GlcNAc-AO	-	-
103	PI-2	NeuAc α -3(6-NBz)Gal β -4GlcNAc	-	-
104	PI-2-AO	NeuAc α -3(6-NBz)Gal β -4GlcNAc-AO	-	-
105	NeuAc α -(6')LN	NeuAc α -6Gal β -4GlcNAc	-	-
106	NeuAc α -(6')LN-AO	NeuAc α -6Gal β -4GlcNAc-AO	26	-
107	Neu5,9Ac-(6')LN	Neu5,9Ac α -6Gal β -4GlcNAc	-	-
108	SA(3')-Lea-Tri	NeuAc α -3Gal β -3GlcNAc Fuca-4	-	-
109	SA(3')-Lea-Tri-AO	NeuAc α -3Gal β -3GlcNAc-AO Fuca-4	-	-
110	SA(3')-Lex-Tri	NeuAc α -3Gal β -4GlcNAc Fuca-3	-	-
111	SA(3')-Lex-Tri-AO	NeuAc α -3Gal β -4GlcNAc-AO Fuca-3	-	-
112	GSC-440	NeuAc α -3Gal β -4GlcNAc β -C30 Fuca-3	-	-
113	GSC-512	Neu4,5Ac α -3Gal β -4GlcNAc β -C30 Fuca-3	-	-
114	GSC-513	Neu5,9Ac α -3Gal β -3GlcNAc β -C30 Fuca-4	-	-
115	GSC-511	Neu5,9Ac α -3Gal β -4GlcNAc β -C30 Fuca-3	-	-
Lacto-N-neotetraose and Lacto-N-tetraose-based				
116	GSC-225	(3-carboxymethyl)Gal β -4GlcNAc β -3Gal β -Cer36 Fuca-3	-	-
117	GSC-236	SU3 Gal β -4GlcNAc β -3Gal β -C30 Fuca-3	-	-
118	GSC-479	NeuAc α -3Gal β -4GlcNAc β -3Gal β -C30 Fuca-3	-	-

119	GSC-105	NeuAc α -3Gal β -4GlcNAc β -3Gal β -Cer36 Fuca-3	-	-
120	GSC-121	NeuAc α -3Gal β -4GlcNAc β -3Gal β -Cer36 (3-deoxy) Fuca-3	-	-
121	GSC-123	NeuAc α -3Gal β -4GlcNAc β -3Gal β -Cer36 (4-deoxy) Fuca-3	-	-
122	GSC-133	NeuAc α -3Gal β -4GlcNAc β -3Gal β -Cer36 (2-OMe) Fuca-3	-	-
123	GSC-131	NeuAc α -3Gal β -4GlcNAc β -3Gal β -Cer36 Quva-3	-	-
124	GSC-163	NeuAc α -3Gal β -4GlcNAc β -3Gal β -Cer36 Rha α -3	3	-
125	GSC-127	NeuAc α -3Gal β -4GlcNAc β -3Gal β -Cer36 (6-deoxy) L-Tal α -3	-	-
126	GSC-341	KDN α -3Gal β -4GlcNAc β -3Gal β -C30 Fuca-3	-	-
127	GSC-177	NeuGca α -3Gal β -4GlcNAc β -3Gal β -Cer36 Fuca-3	-	-
128	GSC-175	NeuAc α -3(4-deoxy) Gal β -4GlcNAc β -3Gal β -Cer36 Fuca-3	-	-
129	GSC-176	NeuAc α -3(6-deoxy) Gal β -4GlcNAc β -3Gal β -Cer36 Fuca-3	-	-
130	GSC-257	NeuAc α -3(4,6-deoxy) Gal β -4GlcNAc β -3Gal β -Cer36 Fuca-3	-	-
131	DLNN	GlcNAc β -3Gal β -4Glc	-	-
132	LNT	Gal β -3GlcNAc β -3Gal β -4Glc	-	-
133	Paragloboside	Gal β -4GlcNAc β -3Gal β -4Glc β -Cer	-	-
134	LNnT	Gal β -4GlcNAc β -3Gal β -4Glc	-	-
135	B-like pentaosylceramide	Gal α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer	-	-
136	Klaus glycolipid	Gal β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer	-	-

137	GSC-207	GlcA β -3Gal β -4GlcNAc β -3Gal β -4Glc β -C30	-	-
138	GSC-191	GlcA β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36	-	-
139	GSC-189	GlcA β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer42	-	-
140	SU(3')-Tri	SU-3Gal β -4GlcNAc β -3Gal	-	-
141	GSC-208	SU-3GlcA β -3Gal β -4GlcNAc β -3Gal β -4Glc β -C30	-	-
142	GSC-192	SU-3GlcA β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36	-	-
143	GSC-190	SU-3GlcA β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer42	-	-
144	Led-II pentaosylceramide	Fuc α -2Gal β -3GlcNAc β -3Gal β -4Glc β -CerA	-	-
145	Led-I pentaosylceramide	Fuc α -2Gal β -3GlcNAc β -3Gal β -4Glc β -CerB	11	-
146	LNFP-I	Fuc α -2Gal β -3GlcNAc β -3Gal β -4Glc	-	-
147	B-hexaosylceramide	Gal α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer Fuc α -2	-	2,996
148	A-Hexa	GalNAc α -3Gal β -3GlcNAc β -3Gal β -4Glc Fuc α -2	-	-
149	A-Hepta	GalNAc α -3Gal β -3GlcNAc β -3Gal β -4Glc Fuc α -2 Fuc α -4	-	-
150	LNFP-II	Gal β -3GlcNAc β -3Gal β -4Glc Fuc α -4	-	-
151	LNDFH-II	Gal β -3GlcNAc β -3Gal β -4Glc Fuc α -4 Fuc α -3	-	-
152	Leb-hexaosylceramide	Fuc α -2Gal β -3GlcNAc β -3Gal β -4Glc β -Cer Fuc α -4	-	-
153	LNDFH-I	Fuc α -2Gal β -3GlcNAc β -3Gal β -4Glc Fuc α -4	-	-
154	LNTFH-I	Fuc α -2Gal β -3GlcNAc β -3Gal β -4Glc Fuc α -4 Fuc α -2	-	-
155	LNFP-III	Gal β -4GlcNAc β -3Gal β -4Glc Fuc α -3	-	-
156	LNFP-III-AO	Gal β -4GlcNAc β -3Gal β -4Glc-AO Fuc α -3	-	-

175	GSC-31	NeuAc α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36	10	-
176	LSTc	NeuAc α -6Gal β 4-GlcNAc β 3-Gal β 4-Glc	-	-
177	GSC-516B	Neu α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36 SU-6	-	-
178	SA(3/6)LNFP-I	NeuAc α -3/6Gal β -3GlcNAc β -3Gal β -4Glc Fuca-2	-	-
179	SA(3')-LNFP-II	NeuAc α -3Gal β -3GlcNAc β -3Gal β -4Glc Fuca-4	-	-
180	SA(6')-LNFP-VI	NeuAc α -6Gal β -4GlcNAc β -3Gal β -4Glc Fuca-3	-	-
181	GSC-533	NeuAc α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36 Fuca-3	-	-
182	GSC-64	NeuAc α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36 Fuca-3	-	-
183	SA(3')-LNFP-III	NeuAc α -3Gal β -4GlcNAc β -3Gal β -4Glc Fuca-3	-	-
184	GSC-472	Neu α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36 Fuca-3	-	-
185	GSC-97	NeuAc α -6Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36 Fuca-3	-	-
186	GSC-314	KDN α -3Gal β -4GlcNAc β -3Gal β -4Glc β -C30 Fuca-3	-	-
187	GSC-149	KDN α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36 Fuca-3	-	-
188	GSC-311	KDN α -3Gal β -4GlcNAc β -3Gal β -4Glc β -C30 Rha α -3	-	-
189	GSC-268	SU-6 NeuAc α -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36 Fuca-3	-	-

190	GSC-268 deNAc	$\begin{array}{c} \text{SU-6} \\ \\ \text{Neu}\alpha\text{-3Gal}\beta\text{-4GlcN}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{Fuca}\alpha\text{-3} \end{array}$	-	-
191	GSC-269	$\begin{array}{c} \text{SU-6} \\ \\ \text{NeuAc}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{Fuca}\alpha\text{-3} \end{array}$	-	-
192	GSC-406	$\begin{array}{c} \text{SU-6} \\ \\ \text{Neu}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{Fuca}\alpha\text{-3} \end{array}$	-	-
193	GSC-270	$\begin{array}{c} \text{SU-6} \quad \text{SU-6} \\ \quad \\ \text{NeuAc}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{Fuca}\alpha\text{-3} \end{array}$	-	-
<i>Polylactosamine li-antigen type</i>				
194	pLNH	Gal β -3GlcNAc β -3Gal β -4GlcNAc β -3Gal β -4Glc	-	-
195	pLNnH	Gal β -4GlcNAc β -3Gal β -4GlcNAc β -3Gal β -4Glc	-	-
196	GSC-216	GlcA β -3Gal β -4GlcNAc β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer42	-	-
197	GSC-217	SU-3GlcA β -3Gal β -4GlcNAc β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer42	-	-
198	GSC-218	GlcA β -3Gal β -4GlcNAc β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36	34	-
199	GSC-219	SU-3GlcA β -3Gal β -4GlcNAc β -3Gal β -4GlcNAc β -3Gal β -4Glc β -Cer36	-	-
200	LNH	$\begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\beta\text{-4Glc} \\ \\ \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3} \end{array}$	-	-
201	iLNO	$\begin{array}{c} \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\beta\text{-4Glc} \\ \\ \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3} \end{array}$	-	-

202	LND	<pre> Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-6 Galβ-3GlcNAcβ-3 Galβ-4Glc Galβ-3GlcNAcβ-3 Galβ-4Glc </pre>	20	-
203	LNNH	<pre> Galβ-4GlcNAcβ-6 Galβ-4Glc Galβ-4GlcNAcβ-3 </pre>	-	-
204	Nonaosylceramide	<pre> GlcNAcβ-6 GlcNAcβ-6 Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer Galβ-4GlcNAcβ-3 GlcNAcβ-3 </pre>	-	-
205	I-octaosylceramide	<pre> Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer Galβ-4GlcNAcβ-3 </pre>	-	-
206	I-dodecaosylceramide	<pre> Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer Galβ-4GlcNAcβ-3 Galβ-4GlcNAcβ-3 </pre>	38	-
207	I-hexadecaosylceramide	<pre> Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-3 Galβ-4GlcNAcβ-6 Galβ-4GlcNAcβ-3 </pre>	44	23

208	I-eicosaosylceramide	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \quad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \\ \quad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \quad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \end{array} $	47	-
209	B-like decaosylceramide	$ \begin{array}{c} \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3} \end{array} $	-	-
210	B-like pentadecaosylceramide	$ \begin{array}{c} \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \quad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \\ \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3} \end{array} $	-	-
211	B-like eicosaosylceramide	$ \begin{array}{c} \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \quad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \\ \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3} \end{array} $	-	-
212	B-like pentaicosaosylceramide	$ \begin{array}{c} \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \quad \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \\ \quad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \quad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \quad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3} \end{array} $	153	-
213	pLNFH-IV	$ \begin{array}{c} \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc} \\ \\ \text{Fuc}\alpha\text{-3} \end{array} $	9	-

214	DFpLNH-II	Galβ-3GlcNAcβ-3Galβ-4GlcNAcβ-3Galβ-4Glc Fuca-4 Fuca-3	-	-
215	TFpLNH-I	Fuca-2Galβ-3GlcNAcβ-3Galβ-4GlcNAcβ-3Galβ-4Glc Fuca-4 Fuca-3	-	-
216	MFLNH-III	Galβ-4GlcNAcβ-6 Fuca-3 Galβ-4Glc Galβ-3GlcNAcβ-3	-	-
217	DFLNH(b)	Fuca-3 Galβ-4GlcNAcβ-6 Galβ-4Glc Galβ-3GlcNAcβ-3 Fuca-4	-	-
218	DFLNH(c)	Galβ-4GlcNAcβ-6 Galβ-4Glc Fuca-2Galβ-3GlcNAcβ-3 Fuca-4	-	-
219	DFLNH(a)	Galβ-4GlcNAcβ-6 Fuca-3 Galβ-4Glc Fuca-2Galβ-3GlcNAcβ-3	-	-
220	TFLNH	Galβ-4GlcNAcβ-6 Fuca-3 Galβ-4Glc Fuca-2Galβ-3GlcNAcβ-3 Fuca-4	-	-
221	MFILNO-IV	Galβ-3GlcNAcβ-3Galβ-4GlcNAcβ-6 Fuca-3 Galβ-4Glc Galβ-3GlcNAcβ-3	-	-

222	TFILNO	$ \begin{array}{c} \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \qquad \qquad \qquad \qquad \qquad \qquad \\ \text{Fuca}\alpha\text{-4} \qquad \qquad \text{Fuca}\alpha\text{-3} \qquad \qquad \text{Gal}\beta\text{-4Glc} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \text{Fuca}\alpha\text{-4} \end{array} $	-	-
223	MFLND	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \qquad \qquad \qquad \\ \text{Fuca}\alpha\text{-3} \qquad \qquad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \qquad \qquad \qquad \qquad \qquad \qquad \\ \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3} \qquad \qquad \qquad \text{Gal}\beta\text{-4Glc} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3} \end{array} $	-	-
224	MFLNnH(a)	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \qquad \qquad \qquad \\ \text{Fuca}\alpha\text{-3} \qquad \qquad \text{Gal}\beta\text{-4Glc} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \end{array} $	-	-
225	DFLNnH	$ \begin{array}{c} \text{Fuca}\alpha\text{-3} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\beta\text{-4Glc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3} \\ \\ \text{Fuca}\alpha\text{-3} \end{array} $	-	-
226	B-III dodecaosylceramide	$ \begin{array}{c} \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \qquad \qquad \qquad \\ \text{Fuca}\alpha\text{-2} \qquad \qquad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3} \\ \\ \text{Fuca}\alpha\text{-2} \end{array} $	26,739	25,500
227	B-IV tetradecaosylceramide	$ \begin{array}{c} \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \qquad \qquad \qquad \\ \text{Fuca}\alpha\text{-2} \qquad \qquad \text{Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \text{Gal}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-3} \\ \\ \text{Fuca}\alpha\text{-2} \end{array} $	17,201	22,120
228	MSLNH	$ \begin{array}{c} \text{NeuAc}\alpha\text{-6Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \text{Gal}\beta\text{-4Glc} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \\ \text{Gal}\beta\text{-3GlcNAc}\beta\text{-3} \end{array} $	-	-

229	MSLNnH-I	Galβ-4GlcNAcβ-6 Galβ-4Glc NeuAcα-6Galβ-3GlcNAcβ-3	-	-
230	DSLNNH	NeuAcα-6Galβ-4GlcNAcβ-6 Galβ-4Glc NeuAcα-6Galβ-4GlcNAcβ-3	-	-
231	MSMFLNH	Galβ-4GlcNAcβ-6 Fuca-3 Galβ-4Glc NeuAcα-3Galβ-3GlcNAcβ-3	-	-
232	MFMSLNnH	Galβ-4GlcNAcβ-6 Fuca-3 Galβ-4Glc NeuAcα-6Galβ-3GlcNAcβ-3	-	-
233	GSC-221	NeuAcα-3Galβ-4GlcNAcβ-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer36 Fuca-3	-	-
234	GSC-220	NeuAcα-3Galβ-4GlcNAcβ-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer36 Fuca-3 Fuca-3	-	-
235	C4U	NeuAcα-3Galβ-4GlcNAcβ-3Galβ-3GlcNAc SU-6 SU-6 SU-6	-	-
<i>N-glycan-related</i>				
236	Man2(α2)	Manα-2Man	-	-
237	Man2(α3)	Manα-3Man	-	-
238	Man2(α6)	Manα-6Man	-	-
239	Man3(α3,α6)	Manα-6Man Manα-3	21	-
240	Man5(α3,α6)	Manα-6Manα-6Man Manα-3 Manα-3	-	-
241	Man1GN1	Manβ-4GlcNAc	-	-
242	Man2GN1	Manα-3Manβ-4GlcNAc	-	-
243	Man2aGN2	Manα-6Manβ-4GlcNAcβ-4GlcNAc	-	-

244	Man3GN2	$\begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-3} \end{array}$	-	-
245	Man4aGN2	$\begin{array}{c} \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-3} \end{array}$	-	-
246	Man4bGN2	$\begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \end{array}$	-	-
247	Man5GN2	$\begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-3} \end{array}$	-	-
248	Man6GN2	$\begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-3} \end{array}$	-	-
249	Man7(D1)GN2	$\begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array}$	-	-
250	Man7(D1)GN2-AO	$\begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc-AO} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array}$	-	-

251	Man7(D3)GN2	$ \begin{array}{c} \text{Man}\alpha\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
252	Man8(D1D3)GN2	$ \begin{array}{c} \text{Man}\alpha\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
253	Man9GN2	$ \begin{array}{c} \text{Man}\alpha\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
254	Man9GN2-AO	$ \begin{array}{c} \text{Man}\alpha\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc-AO} \\ \\ \text{Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
255	Glc1Man9GN2	$ \begin{array}{c} \text{Man}\alpha\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-6} \\ \quad \\ \text{Man}\alpha\text{-2Man}\alpha\text{-3} \quad \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Glc}\alpha\text{-3Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
256	Glc1Man9GN2-AO	$ \begin{array}{c} \text{Man}\alpha\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-6} \\ \quad \\ \text{Man}\alpha\text{-2Man}\alpha\text{-3} \quad \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc-AO} \\ \\ \text{Glc}\alpha\text{-3Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-

257	Glc2Man9GN2-AO	$ \begin{array}{c} \text{Man}\alpha\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-6} \\ \quad \\ \text{Man}\alpha\text{-2Man}\alpha\text{-3} \quad \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc-AO} \\ \\ \text{Glc}\alpha\text{-Glc}\alpha\text{-3Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
258	Glc2Man7(D1)GN1-AO	$ \begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc-AO} \\ \\ \text{Glc}\alpha\text{-3Glc}\alpha\text{-3Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
259	Glc3Man7(D1)GN1-AO	$ \begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc-AO} \\ \\ \text{Glc}\alpha\text{-2Glc}\alpha\text{-3Glc}\alpha\text{-3Man}\alpha\text{-2Man}\alpha\text{-2Man}\alpha\text{-3} \end{array} $	-	-
260	Man3XylGN2	$ \begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Xyl}\beta\text{-2Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-3} \end{array} $	-	-
261	N1	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \quad \text{Fuc}\alpha\text{-6} \\ \quad \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-3} \end{array} $	-	-
262	N2	$ \begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-
263	N4	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \quad ? \\ \\ \text{Man}\alpha\text{-3} \end{array} $	-	-
264	GlcNac2Man3-AO	$ \begin{array}{c} \text{GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man-AO} \\ \\ \text{GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-

265	N3	$ \begin{array}{c} (\text{Gal}\beta\text{-4}) \text{GlcNAc}\beta\text{-2Man}\alpha\text{-6} \qquad \text{Fuc}\alpha\text{-6} \\ \qquad \qquad \qquad \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ ? \quad \text{GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-
266	NGA2	$ \begin{array}{c} \text{GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-
267	NGA2B	$ \begin{array}{c} \text{GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{GlcNAc}\beta\text{-4Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-
268	NGA3B	$ \begin{array}{c} \text{GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{GlcNAc}\beta\text{-4Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{GlcNAc}\beta\text{-4Man}\alpha\text{-3} \\ \\ \text{GlcNAc}\beta\text{-2} \end{array} $	-	-
269	NGA4	$ \begin{array}{c} \text{GlcNAc}\beta\text{-6} \\ \\ \text{GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{GlcNAc}\beta\text{-2Man}\alpha\text{-3} \\ \\ \text{GlcNAc}\beta\text{-4} \end{array} $	-	-
270	NGA5B	$ \begin{array}{c} \text{GlcNAc}\beta\text{-2} \\ \\ \text{GlcNAc}\beta\text{-4Man}\alpha\text{-6} \\ \\ \text{GlcNAc}\beta\text{-6} \\ \\ \text{GlcNAc}\beta\text{-4Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{GlcNAc}\beta\text{-4Man}\alpha\text{-3} \\ \\ \text{GlcNAc}\beta\text{-2} \end{array} $	-	-

271	GNMan5BGN2	$ \begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Man}\alpha\text{-3Man}\alpha\text{-6} \\ \\ \text{GlcNAc}\beta\text{-4Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-
272	NA2	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-
273	NA3	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-4Man}\alpha\text{-3} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2} \end{array} $	-	-
274	NA4	$ \begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-6} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-4Man}\alpha\text{-3} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2} \end{array} $	-	-
275	Fuc-GlcNAc	$\text{Fuc}\alpha\text{-6GlcNAc}$	-	-
276	Man3FGN2	$ \begin{array}{c} \text{Man}\alpha\text{-6} \qquad \text{Fuc}\alpha\text{-6} \\ \qquad \qquad \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Man}\alpha\text{-3} \end{array} $	-	-
277	Man3FXyIGN2	$ \begin{array}{c} \text{Man}\alpha\text{-6} \\ \\ \text{Xyl}\beta\text{-2Man}\alpha\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \qquad \qquad \\ \text{Man}\alpha\text{-3} \qquad \text{Fuc}\alpha\text{-3} \end{array} $	-	-
278	NGA2F	$ \begin{array}{c} \text{GlcNAc}\beta\text{-2Man}\alpha\text{-6} \qquad \text{Fuc}\alpha\text{-6} \\ \qquad \qquad \qquad \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array} $	-	-

279	NA2F	$\begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \quad \text{Fuc}\alpha\text{-6} \\ \quad \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-
280	NA2F-AO	$\begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \quad \text{Fuc}\alpha\text{-6} \\ \quad \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc-AO} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-
281	NA2FB	$\begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \quad \text{Fuc}\alpha\text{-6} \\ \quad \\ \text{GlcNAc}\beta\text{-4Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-
282	NA3-Lex	$\begin{array}{c} \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-4Man}\alpha\text{-3} \\ \\ \text{Gal}\beta\text{-4GlcNAc}\beta\text{-2} \\ +\text{Fuc}\alpha\text{-3} \end{array}$	-	-
283	A2(2-6)	$\begin{array}{c} \text{NeuAc}\alpha\text{-6Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{NeuAc}\alpha\text{-6Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-
284	AGP-Bi-Ac2	$\begin{array}{c} \text{NeuAc}\alpha\text{-Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{NeuAc}\alpha\text{-Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-
285	AGP-Bi-Gc2	$\begin{array}{c} \text{NeuGc}\alpha\text{-Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{NeuGc}\alpha\text{-Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-
286	AGP-Bi-AcGc	$\begin{array}{c} \text{NeuGc}\alpha\text{-Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ ? \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{NeuAc}\alpha\text{-Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-

287	A3	$\begin{array}{c} \text{NeuAc}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \\ \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{NeuAc}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-4Man}\alpha\text{-3} \\ \\ \text{NeuAc}\alpha\text{-6Gal}\beta\text{-4GlcNAc}\beta\text{-2} \end{array}$	-	-
288	A2F(2-3)	$\begin{array}{c} \text{NeuAc}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-6} \quad \text{Fuc}\alpha\text{-6} \\ \quad \quad \quad \\ \text{Man}\beta\text{-4GlcNAc}\beta\text{-4GlcNAc} \\ \\ \text{NeuAc}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-2Man}\alpha\text{-3} \end{array}$	-	-
Ganglioside-related				
289	GM4	NeuAc α -3Gal β -Cer	-	-
290	SM3	SU-3Gal β -4Glc β -Cer	16	-
291	Haematoside	NeuAc α -3Gal β -4Glc β -Cer	-	-
292	GM3	NeuAc α -3Gal β -4Glc β -Cer	-	-
293	GM3(Gc)	NeuGc α -3Gal β -4Glc-Cer	-	-
294	Asialo-GM2	GalNAc β -4Gal β -4Glc β -Cer	-	-
295	SM2	$\begin{array}{c} \text{GalNAc}\beta\text{-4Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \\ \text{SU-3} \end{array}$	-	-
296	SB2	$\begin{array}{c} \text{SU-3GalNAc}\beta\text{-4Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \\ \text{SU-3} \end{array}$	-	-
297	GM2	$\begin{array}{c} \text{GalNAc}\beta\text{-4Gal}\beta\text{-4Glc}\beta\text{-Cer} \\ \\ \text{NeuAc}\alpha\text{-3} \end{array}$	-	-
298	GSC-576	$\begin{array}{c} \text{GalNAc}\beta\text{-4Gal}\beta\text{-3Glc}\beta\text{-C30} \\ \\ \text{NeuAc}\alpha\text{-3} \end{array}$	-	-
299	GSC-108	$\begin{array}{c} \text{GalNAc}\beta\text{-4Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{NeuAc}\alpha\text{-3} \end{array}$	-	-
300	GSC-193	$\begin{array}{c} \text{GalNAc}\beta\text{-4Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{KDN}\alpha\text{-3} \end{array}$	-	-
301	Asialo-GM1	Gal β -3GalNAc β -4Gal β -4Glc β -Cer	-	-
302	Asialo-GM1-Tetra	Gal β -3GalNAc β -4Gal β -4Glc	-	-

303	SM1a	Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer SU-3	-	-
304	SB1a	SU-3Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer SU-3	-	-
305	GSC-335	SU-6 NeuAcα-3Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer ₃₆	-	-
306	GM1	Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer NeuAcα-3	-	-
307	GM1-penta	Galβ-3GalNAcβ-4Galβ-4Glc NeuAcα-3	-	-
308	GM1(Gc)	Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer NeuGcα-3	-	-
309	GM1(Gc)-penta	Galβ-3GalNAcβ-4Galβ-4Glc NeuGcα-3	-	-
310	GD1a	NeuAcα-3Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer NeuAcα-3	-	-
311	GD1a-hexa	NeuAcα-3Galβ-3GalNAcβ-4Galβ-4Glc NeuAcα-3	-	-
312	GalNAc-GD1a(Ac,Gc)	GalNAcβ-4Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer NeuGcα-3 NeuAcα-3 GalNAcβ-4Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer NeuAcα-3 NeuGcα-3	-	-
313	GSC-195	KDNα-3Galβ-3GalNAcβ-4Galβ-4Glcβ-Cer ₃₆ KDNα-3	-	-
314	GD3	NeuAcα-8NeuAcα-3Galβ-4Glcβ-Cer	-	-
315	GD3-tetra	NeuAcα-8NeuAcα-3Galβ-4Glc	-	-
316	GD3-tetra-AO	NeuAcα-8NeuAcα-3Galβ-4Glc-AO	-	-
317	GD2	GalNAcβ-4Galβ-4Glcβ-Cer NeuAcα-8NeuAcα-3	-	-

318	GD1b	Gal β -3GalNAc β -4Gal β -4Glc β -Cer NeuAc α -8NeuAc α -3	-	-
319	GT1a	NeuAc α -8NeuAc α -3Gal β -3GalNAc β -4Gal β -4Glc β -Cer NeuAc α -3	-	-
320	GT1b	NeuAc α -3Gal β -3GalNAc β -4Gal β -4Glc β -Cer NeuAc α -8NeuAc α -3	-	-
321	GQ1b	NeuAc α -8NeuAc α -3Gal β -3GalNAc β -4Gal β -4Glc β -Cer NeuAc α -8NeuAc α -3	-	-
322	GSC-442	GalNAc β -4Gal β -4Glc β -Cer ₃₆ NeuAc α -6	-	-
323	GSC-68	NeuAc α -6Gal β -3GalNAc β -4Gal β -4Glc β -Cer ₃₆	-	-
324	GSC-107	NeuAc α -6Gal β -3GalNAc β -4Gal β -4Glc β -Cer ₃₆ NeuAc α -6	-	-
325	GSC-118	NeuAc α -3Gal β -3GalNAc β -4Gal β -4Glc β -Cer ₃₆ NeuAc α -6	-	-
<i>O-glycan related</i>				
326	GalNAc-Ser	GalNAc-Ser	-	-
327	GalNAc-Thr	GalNAc-Thr	-	-
328	BSM-Di-A1-AO	NeuGc α -6GalNAc-AO	-	-
329	BSM-Di-A2-AO	NeuAc α -6GalNAc-AO	-	-
330	GalNAc α -3GalNAc	GalNAc α -3GalNAc	-	-
331	Gal β -3GalNAc	Gal β -3GalNAc	-	-
332	Gal β -3GalNAc-AO	Gal β -3GalNAc-AO	-	-
333	Gal β -6GalNAc	Gal β -6GalNAc	8	-
334	Gal β -6GalNAc-AO	Gal β -6GalNAc-AO	-	-
335	Man-Ser	Man α -Ser	-	-
336	Man-Ser-Succ	Man-Ser-Succ	-	-
337	Man-Thr	Man-Thr	15	-
338	Man-Thr-Succ	Man-Thr-Succ	-	-
339	A8/1	GlcNAc α -4Gal β -OX	-	-

340	A8/2	SU-6 Fucα-3GlcNAcβ-OY	-	-
341	A15/1	SU-6GlcNAcβ-OY	-	-
342	A15/3	GlcNAcα-4Galβ-3Galβ-OX Fucα-2	-	-
343	B13/a	GlcAβ-3Galβ-3GlcNAcβ-OX	-	-
344	Notch-1	Fucα-Thr	-	-
345	Notch-2	GlcNAcβ-3Fucα-Thr	-	-
346	Notch-3	Galβ-4GlcNAcβ-3Fucα-Thr	-	3
347	GSC-488	NeuAcα-3Galβ-3GalNAcβ-C30	-	-
348	GSC-491	NeuAcα-3Galβ-3 (6-deoxy-6-CH ₂ COOH) GalNAcβ-C30	-	-
349	GSC-489	SU-6 NeuAcα-3Galβ-3GalNAcβ-C30	-	-
350	DST	NeuAcα-3Galβ-3GalNAc NeuAcα-6	-	-
351	DST-AO	NeuAcα-3Galβ-3GalNAc-AO NeuAcα-6	23	-
352	GSC-490	NeuAcα-3Galβ-3GalNAcβ-C30 NeuAcα-6	-	-
353	GlcNAcβ-3Fuc-AO	GlcNAcβ-3Fuc-AO	-	-
354	GlcNAcβ-2Man-AO	GlcNAcβ-2Man-AO	-	-
Polysialyl				
355	SA2(α8)	NeuAcα-8NeuAc	-	-
356	SA3(α8)	NeuAcα-8NeuAcα-8NeuAc	-	-
357	SA4(α8)	NeuAcα-8NeuAcα-8NeuAcα-8NeuAc	-	-
358	SA5(α8)	NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAc*	-	-
359	SA6(α8)	NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAc*	-	-
360	SA7(α8)	NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAc*	-	-
361	SA8(α8)	NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAc-8NeuAcα-8NeuAc*	-	-
362	SA9(α8)	NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAc-8NeuAcα-8NeuAc-8NeuAcα*	-	-
363	SA10(α8)	NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAc-8NeuAcα-8NeuAcα-8NeuAcα-8NeuAc*	-	-

375	Hep-14-AO	$\begin{array}{cccccccccccc} \Delta\text{UA} & -4\text{GlcNS}\alpha & -4\text{IdoA}\alpha & -4\text{GlcNS}\alpha & -4\text{IdoA}\alpha & -4\text{GlcNS}\alpha & -4\text{IdoA}\alpha & -4\text{GlcNS}\alpha & -4\text{IdoA}\alpha & -4\text{GlcNS}\alpha & -4\text{IdoA}\alpha & -4\text{GlcNS}\alpha & -4\text{IdoA}\alpha & - \\ & & & & & & & & & & & & & \\ \text{SU-2} & 6\text{-SU} & \text{SU-2} & \text{SU-6} & \text{SU-2} & \text{SU-6} & \text{SU-2} & \text{SU-6} & \text{SU-2} & \text{SU-6} & \text{SU-2} & \text{SU-6} & \text{SU-2} & \\ \\ -4\text{GlcNS}\alpha & -4\text{IdoA}\alpha & -4\text{GlcNS-AO}^* & & & & & & & & & & & & \\ & & & & & & & & & & & & & & \\ \text{SU-6} & \text{SU-2} & \text{SU-6} & & & & & & & & & & & & \end{array}$	-	-
376	HS-S4-AO	GlcA β -4GlcNAc α -4GlcA β -4aMan-AO* (Variously 6S and NS?)	-	-
377	HS-S8-AO	GlcA β -4GlcNAc α -4GlcA β -4GlcNAc α -4GlcAGlcA β -4GlcNAc α -4GlcA β -4aMan-AO* (Variously 6S and NS?)	-	-
378	GN2	GlcNAc β -4GlcNAc	-	-
379	GN2.AO	GlcNAc β -4GlcNAc-AO	-	-
380	GN3	GlcNAc β -4GlcNAc β -4GlcNAc	-	-
381	GN3.AO	GlcNAc β -4GlcNAc β -4GlcNAc-AO	-	-
382	GN4.AO	GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc-AO	-	-
383	GN5.AO	GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc-AO	-	-
384	GN6.AO	GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc-AO	-	-
385	GN7.AO	GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc-AO*	-	-
386	GN8.AO	GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc β -4GlcNAc-AO*	-	-
387	Man4(β 4)	Man β -4Man β -4Man β -4Man	-	-
388	Man5(β 4)	Man β -4Man β -4Man β -4Man β -4Man	-	-
389	Man6(β 4)	Man β -4Man β -4Man β -4Man β -4Man β -4Man	-	-
390	Xyl5(β 4)	Xyl β -4Xyl β -4Xyl β -4Xyl β -4Xyl	-	-
391	Xyl6(β 4)	Xyl β -4Xyl β -4Xyl β -4Xyl β -4Xyl β -4Xyl	-	-
392	Ara6(α 5)	Ara α -5Ara α -5Ara α -5Ara α -5Ara α -5Ara	-	-
393	Ara7(α 5)	Ara α -5Ara α -5Ara α -5Ara α -5Ara α -5Ara α -5Ara	-	-
394	Glc2(α 2)-AO	Glc α -2Glc-AO	-	-
395	Glc2(α 3)-AO	Glc α -3Glc-AO	-	-
396	Malto-2-AO	Glc α -4Glc-AO	-	-
397	Malto-3-AO	Glc α -4Glc α -4Glc-AO	-	-
398	Malto-4-AO	Glc α -4Glc α -4Glc α -4Glc-AO	-	-
399	Malto-5-AO	Glc α -4Glc α -4Glc α -4Glc α -4Glc-AO	-	-
400	Malto-6-AO	Glc α -4Glc α -4Glc α -4Glc α -4Glc α -4Glc-AO	-	-
401	Malto-7-AO	Glc α -4Glc α -4Glc α -4Glc α -4Glc α -4Glc α -4Glc-AO	-	-

402	Malto-8-AO	Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glc- AO*	-	-
403	Malto-9-AO	Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glc- AO*	-	-
404	Malto-10-AO	Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glc- AO*	-	-
405	Malto-11-AO	Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glc- AO*	-	-
406	Malto-12-AO	Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glc- AO*	-	-
407	Malto-13-AO	Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glcα-4Glc- AO*	-	-
408	Dextran-2-AO	Glcα-6Glc- AO	-	-
409	Dextran-3-AO	Glcα-6Glcα-6Glc- AO	-	-
410	Dextran-4-AO	Glcα-6Glcα-6Glcα-6Glc- AO	-	-
411	Dextran-5-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO	-	-
412	Dextran-6-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO	-	8
413	Dextran-7-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO	-	59
414	Dextran-8-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO*	-	166
415	Dextran-9-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO*	-	74
416	Dextran-10-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO*	-	60
417	Dextran-11-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO*	-	145
418	Dextran-12-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO*	-	109
419	Dextran-13-AO	Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc- AO*	-	37
420	Lam-2-AO	Glcβ-3Glc- AO	-	-
421	Lam-3-AO	Glcβ-3Glcβ-3Glc- AO	-	-
422	Lam-4-AO	Glcβ-3Glcβ-3Glcβ-3Glc- AO	-	-
423	Lam-5-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc- AO	-	-
424	Lam-6-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc- AO	-	-
425	Lam-7-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc- AO	-	-
426	Curd-8-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc- AO*	-	-
427	Curd-9-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc- AO*	-	-

428	Curd-10-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc-AO*	-	-
429	Curd-11-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc-AO*	-	-
430	Curd-12-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc-AO*	-	-
431	Curd-13-AO	Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glcβ-3Glc-AO*	-	-
432	Cello-2-AO	Glcβ-4Glc-AO	-	-
433	Cello-3-AO	Glcβ-4Glcβ-4Glc-AO	-	-
434	Cello-4-AO	Glcβ-4Glcβ-4Glcβ-4Glc-AO	-	-
435	Cello-5-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO	-	-
436	Cello-6-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO	-	-
437	Cello-7-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO	-	-
438	Cello-8-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO*	-	-
439	Cello-9-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO*	-	-
440	Cello-10-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO*	-	-
441	Cello-11-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO*	-	-
442	Cello-12-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO*	-	-
443	Cello-13-AO	Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glcβ-4Glc-AO*	-	-
444	Pust-2-AO	Glcβ-6Glc-AO	-	-
445	Pust-3-AO	Glcβ-6Glcβ-6Glc-AO	-	-
446	Pust-4-AO	Glcβ-6Glcβ-6Glcβ-6Glc-AO	-	-
447	Pust-5-AO	Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glc-AO	-	-
448	Pust-6-AO	Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glc-AO	-	-
449	Pust-7-AO	Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glc-AO	-	-
450	Pust-8-AO	Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glcβ-6Glc-AO*	-	-
451	Glc2β(2).AO	Glcβ-2Glc-AO	-	-
Miscellaneous				
452	Gal	Gal	-	-
453	Gal-AO	Gal-AO	-	-
454	GalNAc	GalNAc	-	-
455	GalNAc-AO	GalNAc-AO	-	-
456	Glc	Glc	-	-
457	Glc-AO	Glc-AO	-	-
458	GN	GlcNAc	-	-

459	GN-AO	GlcNAc-AO	-	-
460	Man	Man	-	-
461	Man-AO	Man-AO	-	-
462	Fuc	Fuc	-	-
463	Fuc-AO	Fuc-AO	-	-
464	NeuAc	NeuAc	-	-
465	NeuAc-AO	NeuAc-AO	-	-
466	NeuGc	NeuGc	-	-
467	NeuGc-AO	NeuGc-AO	-	-
468	Rha	Rha	-	-
469	Rha-AO	Rha-AO	-	-
470	Gal α -6Glc-AO	Gal α -6Glc-AO	-	-
471	(6P)-Glc-AO	P-6Glc-AO	-	-
472	(6P)-Man	P-6Man	-	-
473	(6P)-Man-AO	P-6Man-AO	-	-
474	(6P)-Man5	P-6Man α -3Man α -3Man α -3Man α -2Man	-	-
475	(6P)-Fructose-AO	P-6Fructose-AO	-	-
476	SU-Tyr	SU-Tyr	-	-
477	SU-Cholesterol	SU-Cholesterol	-	-
478	GN-Asn	GlcNAc-Asn	-	-
479	GlcNAc β 1-2Fuc-AO	GlcNAc β 1-2Fuc-AO	-	-
480	GlcNAc β 1-4Fuc-AO	GlcNAc β 1-4Fuc-AO	-	-
481	Xyl3Glc4	$\begin{array}{c} \text{Glc}\beta\text{-4Glc}\beta\text{-4Glc}\beta\text{-4Glc} \\ \quad \quad \\ \text{Xyl}\alpha\text{-6} \quad \text{Xyl}\alpha\text{-6} \quad \text{Xyl}\alpha\text{-6} \end{array}$	-	-
482	GSC-284	$\begin{array}{c} \text{GalNAc}\beta\text{-6Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{NeuAc}\alpha\text{-3} \end{array}$	-	-
483	GSC-575	$\begin{array}{c} \text{GalNAc}\beta\text{-4Gal}\beta\text{-3Gal}\beta\text{-C30} \\ \\ \text{NeuAc}\alpha\text{-3} \end{array}$	-	-
484	GSC-70	NeuAc α -6Gal β -6GalNAc β -4Gal β -4Glc β -Cer36	-	-
485	GSC-154	$\begin{array}{c} \text{NeuAc}\alpha\text{-3Gal}\beta\text{-4GlcNAc}\beta\text{-6Gal}\beta\text{-4Glc}\beta\text{-Cer36} \\ \\ \text{Fuc}\alpha\text{-3} \end{array}$	-	-
486	GSC-446	NeuAc α -3Gal β -4GlcNAc β -6GalNAc α -3Gal β -4Glc-C30	-	-

487	GSC-441	NeuAc α -3Gal β -4GlcNAc β -6GalNAc α -3Gal β -4Glc β -C30	-	-
488	GSC-384	NeuAc α -3Gal β -4GlcNAc β -4GalNAc β -3Gal β -4Glc β -C30 <div style="text-align: center;"> Fuca-3 </div>	8	-
489	Glc(α 6, α 4, α 4)	Glc α -6Glc α -4Glc α -4Glc	-	-
490	Glc(α 6, α 4, α 4)-AO	Glc α -6Glc α -4Glc α -4Glc-AO	-	-
491	O1.AO	GlcNAc β -3 <div style="text-align: center;"> Gal-AO GlcNAcβ-6 </div>	-	-
492	Rutinose.AO	Rha α -gGlc-AO	-	-

^aPos, Probe position in the screening microarray.

^bThe oligosaccharide probes are all lipid-linked, neoglycolipids (NGLs) or glycosylceramides and are from the collection assembled in the course of research in Glycosciences Laboratory. Unless otherwise specified the NGLs are prepared from reducing oligosaccharides by reductive amination with the amino lipid, 1,2-dihexadecyl-*sn*-glycero-3-phosphoethanolamine (DHPE) (Chai,W, et al, Methods Enzymol. 362, 160-195, 2003); AO, NGLs prepared from reducing oligosaccharides by oxime ligation with an aminoxy (AO) functionalized DHPE (Liu et al., Chem. Biol. 14, 847–859, 2007); Cer, natural glycolipids with various ceramide moieties; CerA and CerB denote different natural ceramides; Cer36 and Cer42, synthetic glycolipids with ceramide having a total of 32 and 42 carbon atoms, respectively; C30, a synthetic lipid [2-(tetradecyl)hexadecanol] with 30 carbon atoms. UA, 4,5-unsaturated hexuronic acid; aMan, 2,5-anhydro-mannose; aGal, 3,6-anhydro-galactose.

^cLess than 1.

*Major component.