

Stowell et al Supplemental Table 1

Glycan binding specificity of Gal-1

Glycan #	Glycan*	RFU	SEM
1	Neu5Aca2-8Neu5Acb-Sp17	22	4
2	Neu5Aca2-8Neu5Aca2-8Neu5Acb-Sp8	11	2
3	Neu5Gcb2-6Galb1-4GlcNAc-Sp8	59	14
4	Galb1-3GlcNAcb1-2Mana1-3(Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp19	827	27
5	Gala-Sp8	1570	219
6	Glca-Sp8	1003	92
7	Mana-Sp8	1631	77
8	GalNAca-Sp8	1104	137
9	Fuca-Sp8	1666	58
10	Fuca-Sp9	1352	78
11	Rha-Sp8	2111	194
12	Neu5Aca-Sp8	1273	112
13	Neu5Aca-Sp11	729	248
14	Neu5Acb-Sp8	298	191
15	Galb-Sp8	2363	165
16	Glcb-Sp8	1971	174
17	Manb-Sp8	86	8

18	GalNAcb-Sp8	50	13
19	GlcNAcb-Sp0	102	20
20	GlcNAcb-Sp8	81	4
21	GlcN(Gc)b-Sp8	134	22
22	Galb1-4GlcNAcb1-3(Galb1-4GlcNAcb1-6)GalNAca-Sp8	2152	148
23	GlcNAcb1-3(GlcNAcb1-4)(GlcNAcb1-6)GlcNAc-Sp8	199	29
24	[3OSO3][6OSO3]Galb1-4[6OSO3]GlcNAcb-Sp0	103	27
25	[3OSO3][6OSO3]Galb1-4GlcNAcb-Sp0	58	10
26	[3OSO3]Galb1-4Glc-Sp8	1010	40
27	[3OSO3]Galb1-4[6OSO3]Glc-Sp0	1579	46
28	[3OSO3]Galb1-4[6OSO3]Glc-Sp8	1440	131
29	[3OSO3]Galb1-3(Fuca1-4)GlcNAcb-Sp8	3021	238
30	[3OSO3]Galb1-3GalNAca-Sp8	33	5
31	[3OSO3]Galb1-3GlcNAcb-Sp8	2078	81
32	[3OSO3]Galb1-4(Fuca1-3)GlcNAcb-Sp8	61	14
33	[3OSO3]Galb1-4[6OSO3]GlcNAcb-Sp8	4157	258
34	[3OSO3]Galb1-4GlcNAcb-Sp0	3099	51
35	[3OSO3]Galb1-4GlcNAcb-Sp8	2368	106
36	[3OSO3]Galb-Sp8	37	8

37	[4OSO3][6OSO3]Galb1-4GlcNAcb-Sp0	32	12
38	[4OSO3]Galb1-4GlcNAcb-Sp8	4	11
39	6-H2PO3Mana-Sp8	22	6
40	[6OSO3]Galb1-4Glc-Sp0	254	19
41	[6OSO3]Galb1-4Glc-Sp8	43	10
42	[6OSO3]Galb1-4GlcNAcb-Sp8	51	14
43	[6OSO3]Galb1-4[6OSO3]Glc-Sp8	25	17
44	Neu5Aca2-3[6OSO3]Galb1-4GlcNAcb-Sp8	49	5
45	[6OSO3]GlcNAcb-Sp8	-18	4
46	Neu5Ac(9Ac)a-Sp8	1382	80
47	Neu5Ac(9Ac)a2-6Galb1-4GlcNAcb-Sp8	1483	99
48	Mana1-3(Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp13	2123	142
49	GlcNAcb1-2Mana1-3(GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp13	57	17
50	Galb1-4GlcNAcb1-2Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	594	97
51	Galb1-4GlcNAcb1-2Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp13	4351	391
52	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	71	13
53	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp13	174	14
54	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp8	100	33
55	Fuca1-2Galb1-3GalNAcb1-3Gala-Sp9	109	30

56	Fuca1-2Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc b-Sp9	31	13
57	Fuca1-2Galb1-3(Fuca1-4)GlcNAcb-Sp8	232	30
58	Fuca1-2Galb1-3GalNAca-Sp8	206	78
59	Fuca1-2Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc b-Sp0	211	33
60	Fuca1-2Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc b-Sp9	36	7
61	Fuca1-2Galb1-3GlcNAcb1-3Galb1-4Glc b-Sp10	475	66
62	Fuca1-2Galb1-3GlcNAcb1-3Galb1-4Glc b-Sp8	399	98
63	Fuca1-2Galb1-3GlcNAcb-Sp0	294	17
64	Fuca1-2Galb1-3GlcNAcb-Sp8	263	65
65	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	100	16
66	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	190	17
67	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb-Sp0	48	15
68	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb-Sp8	145	18
69	Fuca1-2Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	1333	90
70	Fuca1-2Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	2316	85
71	Fuca1-2Galb1-4GlcNAcb-Sp0	103	20
72	Fuca1-2Galb1-4GlcNAcb-Sp8	240	15
73	Fuca1-2Galb1-4Glc b-Sp0	39	12
74	Fuca1-2Galb-Sp8	61	11

75	Fuca1-3GlcNAcb-Sp8	0	7
76	Fuca1-4GlcNAcb-Sp8	32	12
77	Fucb1-3GlcNAcb-Sp8	66	18
78	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb-Sp0	130	16
79	GalNAca1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb-Sp0	218	33
80	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp0	74	13
81	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8	86	13
82	GalNAca1-3(Fuca1-2)Galb1-4Glc-Sp0	59	11
83	GalNAca1-3(Fuca1-2)Galb-Sp8	47	11
84	GalNAca1-3GalNAcb-Sp8	45	13
85	GalNAca1-3Galb-Sp8	-6	14
86	GalNAca1-4(Fuca1-2)Galb1-4GlcNAcb-Sp8	19	8
87	GalNAcb1-3GalNAca-Sp8	33	8
88	GalNAcb1-3(Fuca1-2)Galb-Sp8	9	12
89	GalNAcb1-3Gala1-4Galb1-4GlcNAcb-Sp0	65	9
90	GalNAcb1-4(Fuca1-3)GlcNAcb-Sp0	25	17
91	GalNAcb1-4GlcNAcb-Sp0	18	10
92	GalNAcb1-4GlcNAcb-Sp8	33	14
93	Gala1-2Galb-Sp8	98	12

94	Gala1-3(Fuca1-2)Galb1-3GlcNAcb-Sp0	252	41
95	Gala1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb-Sp0	292	8
96	Gala1-3(Fuca1-2)Galb1-4GlcNAc-Sp0	193	32
97	Gala1-3(Fuca1-2)Galb1-4Glc-Sp0	-12	16
98	Gala1-3(Fuca1-2)Galb-Sp8	38	8
99	Gala1-3(Gala1-4)Galb1-4GlcNAcb-Sp8	47	5
100	Gala1-3GalNAca-Sp8	10	5
101	Gala1-3GalNAcb-Sp8	58	10
102	Gala1-3Galb1-4(Fuca1-3)GlcNAcb-Sp8	95	16
103	Gala1-3Galb1-3GlcNAcb-Sp0	276	94
104	Gala1-3Galb1-4GlcNAcb-Sp8	1378	119
105	Gala1-3Galb1-4Glc-Sp0	173	8
106	Gala1-3Galb-Sp8	79	14
107	Gala1-4(Fuca1-2)Galb1-4GlcNAcb-Sp8	125	15
108	Gala1-4Galb1-4GlcNAcb-Sp0	100	21
109	Gala1-4Galb1-4GlcNAcb-Sp8	127	24
110	Gala1-4Galb1-4Glc-Sp0	128	12
111	Gala1-4GlcNAcb-Sp8	250	66
112	Gala1-6Glc-Sp8	27	13

113	Galb1-2Galb-Sp8	8	4
114	Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	57	12
115	Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4GlcNAcb-Sp0	468	100
116	Galb1-3(Fuca1-4)GlcNAcb-Sp0	47	9
117	Galb1-3(Fuca1-4)GlcNAc-Sp8	39	9
118	Galb1-3(Fuca1-4)GlcNAcb-Sp8	98	13
119	Galb1-3(Galb1-4GlcNAcb1-6)GalNAca-Sp8	521	92
120	Galb1-3(GlcNAcb1-6)GalNAca-Sp8	1354	18
121	Galb1-3(Neu5Aca2-6)GalNAca-Sp8	1083	117
122	Galb1-3(Neu5Acb2-6)GalNAca-Sp8	31	9
123	Galb1-3(Neu5Aca2-6)GlcNAcb1-4Galb1-4Glc-Sp10	28	11
124	Galb1-3GalNAca-Sp8	21	7
125	Galb1-3GalNAcb-Sp8	40	14
126	Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp0	23	12
127	Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc-Sp0	11	8
128	Galb1-3GalNAcb1-4Galb1-4Glc-Sp8	16	6
129	Galb1-3Galb-Sp8	64	10
130	Galb1-3GlcNAcb1-3Galb1-4GlcNAcb-Sp0	766	140
131	Galb1-3GlcNAcb1-3Galb1-4Glc-Sp10	1105	20

132	Galb1-3GlcNAcb-Sp0	437	90
133	Galb1-3GlcNAcb-Sp8	399	75
134	Galb1-4(Fuca1-3)GlcNAcb-Sp0	82	19
135	Galb1-4(Fuca1-3)GlcNAcb-Sp8	87	22
136	Galb1-4(Fuca1-3)GlcNAcb1-4Galb1-4(Fuca1-3)GlcNAcb-Sp0	113	28
137	Galb1-4(Fuca1-3)GlcNAcb1-4Galb1-4(Fuca1-3)GlcNAcb1-4Galb1-4(Fuca1-3)GlcNAcb-Sp0	42	14
138	Galb1-4[6OSO3]Glc b-Sp0	75	25
139	Galb1-4[6OSO3]Glc b-Sp8	160	31
140	Galb1-4GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8	144	20
141	Galb1-4GalNAcb1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8	49	16
142	Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	4998	406
143	Galb1-4GlcNAcb1-3GalNAca-Sp8	1103	91
144	Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	1268	67
145	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	1954	75
146	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	1265	215
147	Galb1-4GlcNAcb1-3Galb1-4Glc b-Sp0	1395	116
148	Galb1-4GlcNAcb1-3Galb1-4Glc b-Sp8	1084	219
149	Galb1-4GlcNAcb1-6(Galb1-3)GalNAca-Sp8	1026	86
150	Galb1-4GlcNAcb1-6GalNAca-Sp8	572	57

151	Galb1-4GlcNAcb-Sp0	282	181
152	Galb1-4GlcNAcb-Sp8	1140	103
153	Galb1-4Glc b-Sp0	419	247
154	Galb1-4Glc b-Sp8	735	187
155	GlcNAca1-3Galb1-4GlcNAcb-Sp8	312	171
156	GlcNAca1-6Galb1-4GlcNAcb-Sp8	1570	187
157	GlcNAcb1-2Galb1-3GalNAca-Sp8	1317	276
158	GlcNAcb1-3(GlcNAcb1-6)GalNAca-Sp8	1360	86
159	GlcNAcb1-3(GlcNAcb1-6)Galb1-4GlcNAcb-Sp8	1376	219
160	GlcNAcb1-3GalNAca-Sp8	1477	78
161	GlcNAcb1-3Galb-Sp8	1733	177
162	GlcNAcb1-3Galb1-3GalNAca-Sp8	147	25
163	GlcNAcb1-3Galb1-4GlcNAcb-Sp0	1751	217
164	GlcNAcb1-3Galb1-4GlcNAcb-Sp8	2333	49
165	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	2244	336
166	GlcNAcb1-3Galb1-4Glc b-Sp0	2065	187
167	GlcNAcb1-4-MDPLys	1653	118
168	GlcNAcb1-4(GlcNAcb1-6)GalNAca-Sp8	139	18
169	GlcNAcb1-4Galb1-4GlcNAcb-Sp8	133	32

170	(GlcNAcb1-4)6b-Sp8	355	117
171	(GlcNAcb1-4)5b-Sp8	106	18
172	GlcNAcb1-4GlcNAcb1-4GlcNAcb-Sp8	80	34
173	GlcNAcb1-6(Galb1-3)GalNAca-Sp8	237	154
174	GlcNAcb1-6GalNAca-Sp8	109	46
175	GlcNAcb1-6Galb1-4GlcNAcb-Sp8	167	33
176	Glca1-4Glcb-Sp8	38	22
177	Glca1-4Glca-Sp8	242	24
178	Glca1-6Glca1-6Glcb-Sp8	148	36
179	Glcb1-4Glcb-Sp8	4	15
180	Glcb1-6Glcb-Sp8	17	6
181	G-ol-Sp8	12	7
182	GlcAa-Sp8	28	11
183	GlcAb-Sp8	265	55
184	GlcAb1-3Galb-Sp8	16	5
185	GlcAb1-6Galb-Sp8	12	6
186	KDNa2-3Galb1-3GlcNAcb-Sp0	347	59
187	KDNa2-3Galb1-4GlcNAcb-Sp0	536	54
188	Mana1-2Mana1-2Mana1-3Mana-Sp9	15	4

189	Mana1-2Mana1-3(Mana1-2Mana1-6)Mana-Sp9	34	22
190	Mana1-2Mana1-3Mana-Sp9	64	17
191	Mana1-6(Mana1-2Mana1-3)Mana1-6(Mana1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	-10	6
192	Mana1-2Mana1-6(Mana1-3)Mana1-6(Mana1-2Mana1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	23	9
193	Mana1-2Mana1-2Mana1-3(Mana1-2Mana1-3(Mana1-2Mana1-6)Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	180	12
194	Mana1-3(Mana1-6)Mana-Sp9	-2	4
195	Mana1-3(Mana1-2Mana1-2Mana1-6)Mana-Sp9	30	0
196	Mana1-6(Mana1-3)Mana1-6(Mana1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	658	139
197	Mana1-6(Mana1-3)Mana1-6(Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	31	12
198	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	454	55
199	Manb1-4GlcNAcb-Sp0	-4	9
200	Fuca1-3(Galb1-4)GlcNAcb1-2Mana1-3(Fuca1-3(Galb1-4)GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp20	22	17
201	Neu5Aca2-3Galb1-3GalNAca-Sp8	14	7
202	Neu5Aca2-8Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3(GalNAcb1-4)Galb1-4Glc-Sp0	53	21
203	Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3(GalNAcb1-4)Galb1-4Glc-Sp0	99	14
204	Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3Galb1-4Glc-Sp0	147	26
205	Neu5Aca2-8Neu5Aca2-3(GalNAcb1-4)Galb1-4Glc-Sp0	25	7
206	Neu5Aca2-8Neu5Aca2-8Neu5Aca-Sp8	13	5
207	Neu5Aca2-3(6-O-Su)Galb1-4(Fuca1-3)GlcNAcb-Sp8	-6	8

208	Neu5Aca2-3(GalNAcb1-4)Galb1-4GlcNAcb-Sp0	49	32
209	Neu5Aca2-3(GalNAcb1-4)Galb1-4GlcNAcb-Sp8	16	12
210	Neu5Aca2-3(GalNAcb1-4)Galb1-4Glc-Sp0	19	18
211	Neu5Aca2-3(Neu5Aca2-3Galb1-3GalNAcb1-4)Galb1-4Glc-Sp0	7	19
212	Neu5Aca2-3(Neu5Aca2-6)GalNAca-Sp8	48	27
213	Neu5Aca2-3GalNAca-Sp8	196	179
214	Neu5Aca2-3GalNAcb1-4GlcNAcb-Sp0	13	20
215	Neu5Aca2-3Galb1-3[6OSO3]GlcNAc-Sp8	654	63
216	Neu5Aca2-3Galb1-3(Fuca1-4)GlcNAcb-Sp8	-22	13
217	Neu5Aca2-3Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	99	22
218	Neu5Aca2-3Galb1-3(Neu5Aca2-3Galb1-4)GlcNAcb-Sp8	98	87
219	Neu5Aca2-3Galb1-3[6OSO3]GalNAca-Sp8	33	20
220	Neu5Aca2-3Galb1-3(Neu5Aca2-6)GalNAca-Sp8	32	24
221	Neu5Aca2-3Galb-Sp8	68	22
222	Neu5Aca2-3Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp0	128	30
223	Neu5Aca2-3Galb1-3GlcNAcb1-3Galb1-4GlcNAcb-Sp0	952	10
224	Neu5Aca2-3Galb1-3GlcNAcb-Sp0	353	40
225	Neu5Aca2-3Galb1-3GlcNAcb-Sp8	603	17
226	Neu5Aca2-3Galb1-4[6OSO3]GlcNAcb-Sp8	857	30

227	Neu5Aca2-3Galb1-4(Fuca1-3)[6OSO3]GlcNAcb-Sp8	264	237
228	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	600	56
229	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	949	85
230	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb-Sp8	663	230
231	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb-Sp8	1257	60
232	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4GlcNAcb-Sp8	978	92
233	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAc-Sp0	119	23
234	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	2566	235
235	Neu5Aca2-3Galb1-4GlcNAcb-Sp0	832	261
236	Neu5Aca2-3Galb1-4GlcNAcb-Sp8	517	41
237	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	1093	55
238	Neu5Aca2-3Galb1-4Glc-Sp0	120	26
239	Neu5Aca2-3Galb1-4Glc-Sp8	66	52
240	Neu5Aca2-6GalNAca-Sp8	6	10
241	Neu5Aca2-6GalNAcb1-4GlcNAcb-Sp0	17	13
242	Neu5Aca2-6Galb1-4[6OSO3]GlcNAcb-Sp8	63	13
243	Neu5Aca2-6Galb1-4GlcNAcb-Sp0	17	18
244	Neu5Aca2-6Galb1-4GlcNAcb-Sp8	42	27
245	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	168	20

246	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	125	48
247	Neu5Aca2-6Galb1-4Glc-Sp0	98	19
248	Neu5Aca2-6Galb1-4Glc-Sp8	23	12
249	Neu5Aca2-6Gal-Sp8	28	3
250	Neu5Aca2-8Neu5Aca-Sp8	11	10
251	Neu5Aca2-8Neu5Aca2-3Galb1-4Glc-Sp0	96	14
252	Neu5Acb2-6GalNAca-Sp8	27	5
253	Neu5Acb2-6Galb1-4GlcNAcb-Sp8	38	9
254	Neu5Gca2-3Galb1-3(Fuca1-4)GlcNAcb-Sp0	72	16
255	Neu5Gca2-3Galb1-3GlcNAcb-Sp0	341	79
256	Neu5Gca2-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	37	2
257	Neu5Gca2-3Galb1-4GlcNAcb-Sp0	520	111
258	Neu5Gca2-3Galb1-4Glc-Sp0	192	9
259	Neu5Gca2-6GalNAca-Sp0	18	17
260	Neu5Gca2-6Galb1-4GlcNAcb-Sp0	127	53
261	Neu5Gca-Sp8	268	141
262	[3OSO3]Galb1-4(Fuca1-3)[6OSO3]Glc-Sp0	299	33
263	[3OSO3]Galb1-4(Fuca1-3)Glc-Sp0	88	19
264	[3OSO3]Galb1-4(Fuca1-3)[6OSO3]GlcNAc-Sp8	371	25

265	[3OSO3]Galb1-4(Fuca1-3)GlcNAc-Sp0	101	12
266	Fuca1-2[6OSO3]Galb1-4GlcNAc-Sp0	19	6
267	Fuca1-2Galb1-4[6OSO3]GlcNAc-Sp8	559	54
268	Fuca1-2[6OSO3]Galb1-4[6OSO3]Glc-Sp0	-82	3
269	Fuca1-2[6OSO3]Galb1-4Glc-Sp0	82	11
270	Fuca1-2Galb1-4[6OSO3]Glc-Sp0	276	17
271	Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-3(Fuca1-4)GlcNAcb-Sp0	32	6
272	Galb1-3(Galb1-4GlcNAcb1-6)GalNAc-Sp14	425	132
273	Galb1-3(GlcNAcb1-6)GalNAc-Sp14	981	71
274	Galb1-3(Neu5Aca2-3Galb1-4GlcNAcb1-6)GalNAca-Sp14	564	150
275	Galb1-3GalNAca-Sp14	350	118
276	Galb1-3GlcNAcb1-3Galb1-3GlcNAcb-Sp0	1104	76
277	Galb1-4(Fuca1-3)[6OSO3]GlcNAc-Sp0	586	142
278	Galb1-4(Fuca1-3)[6OSO3]Glc-Sp0	-5	14
279	Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-3(Fuca1-4)GlcNAcb-Sp0	31	7
280	Galb1-4GlcNAcb1-3Galb1-3GlcNAcb-Sp0	237	82
281	Neu5Aca2-3Galb1-3GlcNAcb1-3Galb1-3GlcNAcb-Sp0	445	71
282	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-3GlcNAcb-Sp0	1443	54
283	[3OSO3]Galb1-4[6OSO3]GlcNAcb-Sp0	5544	245

284	[3OSO3][4OSO3]Galb1-4GlcNAcb-Sp0	8	5
285	[6OSO3]Galb1-4[6OSO3]GlcNAcb-Sp0	1475	119
286	6-H2PO3Glc b-Sp10	677	398
287	Gala1-3(Fuca1-2)Galb-Sp18	1742	243
288	Gala1-3GalNAca-Sp16	120	26
289	Galb1-3GalNAca-Sp16	18	4
290	Galb1-3(Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-6)GalNAca-Sp14	1667	183
291	Galb1-3Galb1-4GlcNAcb-Sp8	2159	140
292	Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	1548	151
293	Galb1-4GlcNAcb1-3(Galb1-4GlcNAcb1-6)Galb1-4GlcNAc-Sp0	2280	267
294	Galb1-4GlcNAcb1-3(GlcNAcb1-6)Galb1-4GlcNAc-Sp0	1410	98
295	Galb1-4GlcNAca1-6Galb1-4GlcNAcb-Sp0	2027	129
296	Galb1-4GlcNAcb1-6Galb1-4GlcNAcb-Sp0	963	122
297	GalNAca1-3(Fuca1-2)Galb-Sp18	53	8
298	GalNAca-Sp15	7	9
299	GalNAcb1-3Galb-Sp8	166	51
300	GlcAb1-3GlcNAcb-Sp8	84	9
301	GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	33	32
302	GlcNAcb1-2Mana1-3(GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	218	108

303	GlcNAcb1-3Man-Sp10	78	28
304	GlcNAcb1-4GlcNAcb-Sp10	189	93
305	GlcNAcb1-4GlcNAcb-Sp12	2	4
306	HOOC(CH ₃)CH-3-O-GlcNAcb1-4GlcNAcb-Sp10	6	6
307	Mana1-3(Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	2534	172
308	Mana1-6Manb-Sp10	47	5
309	Mana1-6(Mana1-3)Mana1-6(Mana1-3)Manb-Sp10	37	10
310	Mana1-2Mana1-2Mana1-3(Mana1-2Mana1-6(Mana1-3)Mana1-6)Mana-Sp9	53	17
311	Mana1-2Mana1-2Mana1-3(Mana1-2Mana1-6(Mana1-2Mana1-3)Mana1-6)Mana-Sp9	21	13
312	Neu5Aca2-3Galb1-3(Neu5Aca2-3Galb1-4GlcNAcb1-6)GalNAca-Sp14	79	19
313	Neu5Aca2-3Galb1-3(Neu5Aca2-6)GalNAca-Sp14	196	22
314	Neu5Aca2-3Galb1-3GalNAca-Sp14	16	8
315	Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	703	87
316	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	326	203
317	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	40	7
318	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-N(LT)AVL	337	31
319	Fuca1-2Galb1-3GalNAca-Sp14	193	31
320	Galb1-3(Neu5Aca2-6)GalNAca-Sp14	1204	209
321	Galb1-4GlcNAcb1-3GalNAc-Sp14	499	84

322	Neu5Ac(9Ac)a2-3Galb1-4GlcNAcb-Sp0	374	73
323	Neu5Ac(9Ac)a2-3Galb1-3GlcNAcb-Sp0	179	18
324	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-3GlcNAcb-Sp0	-8	10
325	Neu5Aca2-3Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-3(Fuca1-4)GlcNAcb-Sp0	27	13
326	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	42	6
327	Gala1-4Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0	41	12
328	GalNAcb1-3Gala1-4Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0	25	7
329	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	274	101
330	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	760	50
331	(Neu5Aca2-3-Galb1-3)(((Neu5Aca2-3-Galb1-4(Fuca1-3))GlcNAcb1-6)GalNAc-Sp14	193	21
332	GlcNAca1-4Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	69	19
333	GlcNAca1-4Galb1-4GlcNAcb-Sp0	44	23
334	GlcNAca1-4Galb1-3GlcNAcb-Sp0	39	12
335	GlcNAca1-4Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0	45	5
336	GlcNAca1-4Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0	188	25
337	GlcNAca1-4Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0	81	30
338	GlcNAca1-4Galb1-3GalNAc-Sp14	34	17
339	Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp12	10	8
340	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp12	28	7

341	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6Manb1-4GlcNAcb1-4GlcNAc-Sp12	56	9
342	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3Manb1-4GlcNAcb1-4GlcNAc-Sp12	44	13
343	Galb1-4GlcNAcb1-2Mana1-3Manb1-4GlcNAcb1-4GlcNAc-Sp12	1518	140
344	Galb1-4GlcNAcb1-2Mana1-6Manb1-4GlcNAcb1-4GlcNAc-Sp12	594	163
345	Galb1-4GlcNAcb1-2Mana1-3(Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp12	1515	79
346	GlcNAcb1-2Mana1-3(GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAc-Sp22	53	2
347	Galb1-4GlcNAcb1-2Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAc-Sp22	3616	30
348	Galb1-3GlcNAcb1-2Mana1-3(Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAc-Sp22	383	40
349	Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-3(Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp19	44	25
350	[6OSO3]GlcNAcb1-3Gal b1-4GlcNAc-b-Sp0	279	60
351	KDNa2-3Galb1-4(Fuca1-3)GlcNAc-Sp0	61	8
352	KDNa2-6Galb1-4GlcNAc-Sp0	60	21
353	KDNa2-3Galb1-4Glc-Sp0	71	21
354	KDNa2-3Galb1-3GalNaca-Sp14	156	19
355	Fuca1-2Galb1-3GlcNAcb1-2Mana1-3(Fuca1-2Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp20	367	33
356	Fuca1-2Galb1-4GlcNAcb1-2Mana1-3(Fuca1-2Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp20	1643	132
357	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-3(Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp20	501	36
358	Gala1-3Galb1-4GlcNAcb1-2Mana1-3(Gala1-3Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp20	5916	141

359	Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp12	469	67
360	Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-3(Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22	33	12
361	Neu5Aca2-6GlcNAcb1-4GlcNAc-Sp21	6	3
362	Neu5Aca2-6GlcNAcb1-4GlcNAcb1-4GlcNAc-Sp21	-4	5
363	Fuca1-2Galb1-3GlcNAcb1-3(Galb1-4(Fuca1-3)GlcNAcb1-6)Galb1-4Glc-Sp21	688	64
364	Galb1-4GlcNAcb1-2(Galb1-4GlcNAcb1-4)Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp21	7143	268
365	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-3(GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp20	8274	136
366	Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-3(Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp20	9497	462
367	Gala1-3Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-3(Gala1-3Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp20	144	24
368	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-3(GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp20	97	8
369	Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-3(Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp20	399	54
370	Fuca1-2Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-3(Fuca1-2Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp19	179	27
371	NeuAca2-3Galb1-4GlcNAcb1-3GalNAc-Sp14	235	29
372	NeuAca2-6Galb1-4GlcNAcb1-3GalNAc-Sp14	20	7
373	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3GalNAca-Sp14	519	17
374	GalNAcb1-4GlcNAcb1-2Mana1-6(GalNAcb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp12	153	20
375	Galb1-3GalNAca1-3(Fuca1-2)Galb1-4Glc-Sp14	29	13

376	Galb1-3GalNAca1-3(Fuca1-2)Galb1-4GlcNAc-Sp14	60	19
377	GlcNAcb1-3GalNAca-Sp14	545	255
378	GlcNAcb1-6GalNAca-Sp14	117	48
379	Galb1-3GlcNAcb1-3(Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-6)Galb1-4Glc-Sp0	3842	57
380	Galb1-3GlcNAcb1-3(Galb1-4(Fuca1-3)GlcNAcb1-6)Galb1-4Glc-Sp21	365	30
381	Fuca1-2Galb1-3(Fuca1-4)GlcNAcb1-3(Galb1-4GlcNAcb1-6)Galb1-4Glc-Sp21	170	52
382	Fuca1-2Galb1-3(Fuca1-4)GlcNAcb1-3(Galb1-4(Fuca1-3)GlcNAcb1-6)Galb1-4Glc-Sp21	83	15
383	Galb1-3GlcNAcb1-3(Galb1-3GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-6)Galb1-4Glc-Sp21	1873	82
384	Galb1-4GlcNAcb1-2(Galb1-4GlcNAcb1-4)Mana1-3(Galb1-4GlcNAcb1-2(Galb1-4GlcNAcb1-6)Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp21	6258	188
385	GlcNAcb1-2(GlcNAcb1-4)Mana1-3(GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp21	67	12
386	Fuca1-2Galb1-3GalNAca1-3(Fuca1-2)Galb1-4Glc-Sp0	33	8
387	Fuca1-2Galb1-3GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp0	31	7
388	Galb1-3GlcNAcb1-3GalNAca-Sp14	86	15
389	Neu5Aca2-3(GalNAcb1-4)Galb1-4GlcNAcb1-3GalNAca-Sp14	802	36
390	GalNAca1-3(Fuca1-2)Galb1-3GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp0	25	6
391	Gala1-3Galb1-3GlcNAcb1-2Mana1-3(Gala1-3Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp19	322	31
392	Gala1-3Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-3(Gala1-3Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp19	23	22
393	Neu5Aca2-3Galb1-3GlcNAcb1-2Mana1-3(Neu5Aca2-3Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp19	-193	46

394	Galb1-4GlcNAcb1-2Mana1-3(GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp12	414	124
395	GlcNAcb1-2Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAc-Sp12	402	24
396	Neu5Aca2-3Galb1-3GlcNAcb1-3GalNaca-Sp14	157	21
397	Fuca1-2Galb1-4GlcNAcb1-3GalNaca-Sp14	189	24
398	Galb1-4(Fuca1-3)GlcNAcb1-3GalNaca-Sp14	153	13
399	GalNaca1-3GalNacb1-3Gala1-4Galb1-4GlcNAcb-Sp0	5	5
400	Gala1-4Galb1-3GlcNAcb1-2Mana1-3(Gala1-4Galb1-3GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp19	146	16
401	Gala1-4Galb1-4GlcNAcb1-2Mana1-3(Gala1-4Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-LVaNKT	733	19
402	Gala1-3Galb1-4GlcNAcb1-3GalNaca-Sp14	355	46
403	Galb1-3GlcNAcb1-6Galb1-4GlcNAcb-Sp0	575	60
404	Galb1-3GlcNAca1-6Galb1-4GlcNAcb-Sp0	304	63
405	GalNAcb1-3Gala1-6Galb1-4Glc-Sp8	606	284
406	GlcNAcb1-6(GlcNAcb1-3)GalNaca-Sp14	314	170

* a indicates alpha linkage, b indicates beta linkage. RFU = relative fluorescence units. SEM = standard error of the mean.