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Glycan No.	Glycan - spacer
1	Alpha1-acid glycoprotein (AGP)
2	AGP-A (AGP ConA flowthrough)
3	AGP-B (AGP ConA bound)
4	Ceruloplasmin
5	Fibrinogen
6	Transferrin
7	α -D-Gal-Sp8
8	α -D-Glc-Sp8
9	α -D-Man-Sp8
10	α -GalNAc-Sp8
11	α -L-Fuc-Sp8
12	α -L-Fuc-Sp9
13	α -L-Rha-Sp8
14	α -Neu5Ac-Sp8
15	Neu5Ac α -Sp11
16	b-Neu5Ac-Sp8
17	β -D-Gal-Sp8
18	β -D-Glc-Sp8
19	β -D-Man-Sp8
20	β -GalNAc-Sp8
21	β -GlcNAc-Sp0
22	β -GlcNAc-Sp8
23	b-GlcN(Gc)-Sp8
24	(Gal β 1-4GlcNAc β) ₂ -3,6-GalNAc α -Sp8
25	GlcNAcb1-3(GlcNAcb1-4)(GlcNAcb1-6)GlcNAc-Sp8
26	[3OSO3][6OSO3]Galb1-4[6OSO3]GlcNAcb-Sp0
27	[3OSO3][6OSO3]Galb1-4GlcNAcb-Sp0
28	[3OSO3]Galb1-4Glc-Sp8
29	[3OSO3]Gal β 1-4(6OSO3)Glc β -Sp0
30	[3OSO3]Gal β 1-4(6OSO3)Glc β -Sp8
31	[3OSO3]Gal β 1-3(Fuca1-4)GlcNAc β -Sp8
32	[3OSO3]Gal β 1-3GalNAc α -Sp8
33	[3OSO3]Gal β 1-3GlcNAc β -Sp8
34	[3OSO3]Gal β 1-4(Fuca1-3)GlcNAc β -Sp8
35	[3OSO3]Galb1-4[6OSO3]GlcNAcb-Sp8
36	[3OSO3]Gal β 1-4GlcNAc β -Sp0
37	[3OSO3]Galb1-4GlcNAcb-Sp8
38	[3OSO3]Gal β -Sp8
39	[4OSO3][6OSO3]Galb1-4GlcNAcb-Sp0
40	[4OSO3]Galb1-4GlcNAcb-Sp8
41	6-H ₂ PO ₃ Mana-Sp8
42	[6OSO3]Gal β 1-4Glc β -Sp0
43	[6OSO3]Gal β 1-4Glc β -Sp8
44	[6OSO3]Gal β 1-4GlcNAc β -Sp8
45	[6OSO3]Galb1-4[6OSO3]Glc-Sp8
46	NeuAca2-3[6OSO3]Gal β 1-4GlcNAc β -Sp8
47	[6OSO3]GlcNAc β -Sp8
48	9NAcNeu5Aca-Sp8
49	9NAcNeu5Aca2-6Galb1-4GlcNAcb-Sp8
50	Mana1-3(Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Gly
51	GlcNAcb1-2Mana1-3(GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Gly
52	Galb1-4GlcNAcb1-2Mana1-3(Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Gly
53	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Gly
54	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6)Manb1-4GlcNAcb1-4GlcNAcb-Sp8
55	Fuca1-2Galb1-3GalNAcb1-3Gala-Sp9
56	Fuca1-2Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp9
57	Fuca1-2Gal β 1-3(Fuca1-4)GlcNAc β -Sp8

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58	Fuca1-2Galβ1-3GalNAcα-Sp8
59	Fuca1-2Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glcβ-Sp0
60	Fuca1-2Galβ1-3GalNAcβ1-4(Neu5Aca2-3)Galβ1-4Glcβ-Sp9
61	Fuca1-2Galβ1-3GlcNAcβ1-3Galβ1-4Glcβ-Sp10
62	Fuca1-2Galβ1-3GlcNAcβ1-3Galβ1-4Glcβ-Sp8
63	Fuca1-2Galβ1-3GlcNAcβ-Sp0
64	Fuca1-2Galβ1-3GlcNAcβ-Sp8
65	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
66	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
67	Fuca1-2Galβ1-4(Fuca1-3)GlcNAcβ-Sp0
68	Fuca1-2Galβ1-4(Fuca1-3)GlcNAcβ-Sp8
69	Fuca1-2Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAc-Sp0
70	Fuca1-2Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
71	Fuca1-2Galβ1-4GlcNAcβ-Sp0
72	Fuca1-2Galβ1-4GlcNAcβ-Sp8
73	Fuca1-2Galβ1-4Glcβ-Sp0
74	Fuca1-2Galβ-Sp8
75	Fuca1-2GlcNAcb-Sp8
76	Fuca1-3GlcNAcβ-Sp8
77	Fuca1-4GlcNAcβ-Sp8
78	Fucb1-3GlcNAcb-Sp8
79	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb-Sp0
80	GalNAca1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb-Sp0
81	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp0
82	GalNAca1-3(Fuca1-2)Galβ1-4GlcNAcβ-Sp8
83	GalNAca1-3(Fuca1-2)Galb1-4Glcβ-Sp0
84	GalNAca1-3(Fuca1-2)Galβ-Sp8
85	GalNAca1-3GalNAcb-Sp8
86	GalNAca1-3Galb-Sp8
87	GalNAca1-4(Fuca1-2)Galb1-4GlcNAcb-Sp8
88	GalNAcb1-3GalNAca-Sp8
89	GalNAcb1-3(Fuca1-2)Galb-Sp8
90	GalNAcb1-3Gala1-4Galb1-4GlcNAcb-Sp0
91	GalNAcb1-4(Fuca1-3)GlcNAcb-Sp0
92	GalNAcβ1-4GlcNAcβ-Sp0
93	GalNAcβ1-4GlcNAcβ-Sp8
94	Galα1-2Galβ-Sp8
95	Gala1-3(Fuca1-2)Galb1-3GlcNAcb-Sp0
96	Gala1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb-Sp0
97	Gala1-3(Fuca1-2)Galb1-4GlcNAc-Sp0
98	Gala1-3(Fuca1-2)Galb1-4Glcβ-Sp0
99	Gala1-3(Fuca1-2)Galβ-Sp8
100	Gala1-3(Gala1-4)Galb1-4GlcNAcb-Sp8
101	Gala1-3GalNAca-Sp8
102	Gala1-3GalNAcβ-Sp8
103	Gala1-3Galβ1-4(Fuca1-3)GlcNAcβ-Sp8
104	Gala1-3Galb1-3GlcNAcb-Sp0
105	Gala1-3Galβ1-4GlcNAcβ-Sp8
106	Gala1-3Galβ1-4Glcβ-Sp0
107	Gala1-3Galβ-Sp8
108	Gala1-4(Fuca1-2)Galb1-4GlcNAcb-Sp8
109	Gala1-4Galβ1-4GlcNAcβ-Sp0
110	Gala1-4Galβ1-4GlcNAcβ-Sp8
111	Gala1-4Galβ1-4Glcβ-Sp0
112	Gala1-4GlcNAcb-Sp8
113	Gala1-6Glcβ-Sp8
114	Galβ1-2Galβ-Sp8
115	Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
116	Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4GlcNAcb-Sp0

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117	Galβ1-3(Fuca1-4)GlcNAc-Sp0
118	Galβ1-3(Fuca1-4)GlcNAc-Sp8
119	Galβ1-3(Fuca1-4)GlcNAcβ-Sp8
120	Galβ1-3(Galβ1-4GlcNAcβ1-6)GalNAcα-Sp8
121	Galβ1-3(GlcNAcβ1-6)GalNAcα-Sp8
122	Galb1-3(Neu5Aca2-6)GalNAca-Sp8
123	Galb1-3(Neu5Acb2-6)GalNAca-Sp8
124	Galb1-3(Neu5Aca2-6)GlcNAcb1-4Galb1-4Glcβ-Sp10
125	Galβ1-3GalNAcα-Sp8
126	Galβ1-3GalNAcβ-Sp8
127	Galb1-3GalNAcb1-3Gala1-4Galb1-4Glcβ-Sp0
128	Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glcβ-Sp0
129	Galβ1-3GalNAcβ1-4Galβ1-4Glcβ-Sp8
130	Galβ1-3Galβ-Sp8
131	Galb1-3GlcNAcb1-3Galb1-4GlcNAcb-Sp0
132	Galβ1-3GlcNAcβ1-3Galβ1-4Glcβ-Sp10
133	Galβ1-3GlcNAcβ-Sp0
134	Galβ1-3GlcNAcβ-Sp8
135	Galβ1-4(Fuca1-3)GlcNAcb-Sp0
136	Galβ1-4(Fuca1-3)GlcNAcb-Sp8
137	Galb1-4(Fuca1-3)GlcNAcb1-4Galb1-4(Fuca1-3)GlcNAcb-Sp0
138	Galβ1-4(Fuca1-3)GlcNAcβ1-4Galβ1-4(Fuca1-3)GlcNAcβ1-4Galβ1-4(Fuca1-3)GlcNAcβ-Sp0
139	Galβ1-4[6OSO3]Glcβ-Sp0
140	Galβ1-4[6OSO3]Glcβ-Sp8
141	Galb1-4GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8
142	Galb1-4GalNAcb1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8
143	Galb1-4GlcNAcb1-3(Galb1-4GlcNAcb1-6)GalNAca-Sp8
144	Galβ1-4GlcNAcβ1-3GalNAcα-Sp8
145	Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
146	Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0
147	Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0
148	Galβ1-4GlcNAcβ1-3Galβ1-4Glcβ-Sp0
149	Galβ1-4GlcNAcβ1-3Galβ1-4Glcβ-Sp8
150	Galβ1-4GlcNAcβ1-6(Galβ1-3)GalNAcα-Sp8
151	Galβ1-4GlcNAcβ1-6GalNAcα-Sp8
152	Galβ1-4GlcNAcβ-Sp0
153	Galβ1-4GlcNAcβ-Sp8
154	Galβ1-4Glcβ-Sp0
155	Galβ1-4Glcβ-Sp8
156	GlcNAca1-3Galb1-4GlcNAcb-Sp8
157	GlcNAca1-6Galb1-4GlcNAcb-Sp8
158	GlcNAcβ1-2Galβ1-3GalNAcα-Sp8
159	GlcNAcβ1-3(GlcNAcβ1-6)GalNAcα-Sp8
160	GlcNAcβ1-3(GlcNAcβ1-6)Galb1-4GlcNAcb-Sp8
161	GlcNAcβ1-3GalNAcα-Sp8
162	GlcNAcb1-3Galb-Sp8
163	GlcNAcb1-3Galb1-3GalNAca-Sp8
164	GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0
165	GlcNAcb1-3Galb1-4GlcNAcb-Sp8
166	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
167	GlcNAcβ1-3Galβ1-4Glcβ-Sp0
168	GlcNAcb1-4MDPLys (bacterial cell wall)
169	GlcNAcb1-4(GlcNAcb1-6)GalNAca-Sp8
170	GlcNAcb1-4Galb1-4GlcNAcb-Sp8
171	(GlcNAcb1-4) ₆ β-Sp8
172	(GlcNAcb1-4) ₅ β-Sp8
173	GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ-Sp8
174	GlcNAcβ1-6(Galβ1-3)GalNAcα-Sp8
175	GlcNAcβ1-6GalNAcα-Sp8

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176	GlcNAcb1-6Galb1-4GlcNAcb-Sp8
177	Glcα1-4Glcβ-Sp8
178	Glcα1-4Glcα-Sp8
179	Glcα1-6Glcα1-6Glcβ-Sp8
180	Glcβ1-4Glcβ-Sp8
181	Glcβ1-6Glcβ-Sp8
182	G-ol-amine
183	GlcAa-Sp8
184	GlcAb-Sp8
185	GlcAb1-3Galb-Sp8
186	GlcAb1-6Galb-Sp8
187	KDNα2-3Galβ1-3GlcNAcβ-Sp0
188	KDNα2-3Galβ1-4GlcNAcβ-Sp0
189	Mana1-2Mana1-2Mana1-3Mana-Sp9
190	Mana1-2Mana1-3(Mana1-2Mana1-6)Mana-Sp9
191	Mana1-2Mana1-3Mana-Sp9
192	Mana1-6(Mana1-2Mana1-3)Mana1-6(Mana2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Asn
193	Mana1-2Mana1-6(Mana1-3)Mana1-6(Mana2Mana2Mana1-3)Manβ1-4GlcNAcβ1-4GlcNAcβ-Asn
194	Mana1-2Mana1-2Mana1-3(Mana1-2Mana1-3(Mana1-2Mana1-6)Mana1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Asn
195	Mana1-3(Mana1-6)Mana-Sp9
196	Mana1-3(Mana1-2Mana1-2Mana1-6)Mana-Sp9
197	Mana1-6(Mana1-3)Mana1-6(Mana2Mana1-3)Manβ1-4GlcNAcβ1-4GlcNAcβ-Asn
198	Mana1-6(Mana1-3)Mana1-6(Mana1-3)Manb1-4GlcNAcb1-4 GlcNAcb-Asn
199	Man5-9mix-Asn
200	Manb1-4GlcNAcb-Sp0
201	Neu5Aca2-3(Galb1-3GalNAcb1-4)Galb1-4Glcβ-Sp0
202	Neu5Aca2-3Galb1-3GalNAca-Sp8
203	NeuAca2-8NeuAca2-8NeuAca2-8NeuAca2-3(GalNAcb1-4)Galb1-4Glcβ-Sp0
204	Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3(GalNAcb1-4)Galb1-4Glcβ-Sp0
205	Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3Galβ1-4Glcβ-Sp0
206	Neu5Aca2-8Neu5Aca2-3(GalNAcb1-4)Galβ1-4Glcβ-Sp0
207	Neu5Aca2-8Neu5Aca2-8Neu5Aca-Sp8
208	Neu5Aca2-3(6-O-Su)Galβ1-4(Fuca1-3)GlcNAcβ-Sp8
209	Neu5Aca2-3(GalNAcb1-4)Galb1-4GlcNAcb-Sp0
210	Neu5Aca2-3(GalNAcb1-4)Galb1-4GlcNAcb-Sp8
211	Neu5Aca2-3(GalNAcβ1-4)Galβ1-4Glcβ-Sp0
212	NeuAca2-3(NeuAca2-3Galb1-3GalNAcb1-4)Galb1-4Glcβ-Sp0
213	Neu5Aca2-3(Neu5Aca2-6)GalNAca-Sp8
214	Neu5Aca2-3GalNAca-Sp8
215	Neu5Aca2-3GalNAcb1-4GlcNAcb-Sp0
216	Neu5Aca2-3Galβ1-3(6OSO3)GlcNAc-Sp8
217	Neu5Aca2-3Galb1-3(Fuca1-4)GlcNAcβ-Sp8
218	NeuAca2-3Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
219	Neu5Aca2-3Galβ1-3(Neu5Aca2-3Galβ1-4)GlcNAcβ-Sp8
220	Neu5Aca2-3Galb1-3[6OSO3]GalNAca-Sp8
221	Neu5Aca2-3Galβ1-3(Neu5Aca2-6)GalNAca-Sp8
222	Neu5Aca2-3Galb-Sp8
223	NeuAca2-3Galb1-3GalNAcb1-3Gala1-4Galb1-4Glcβ-Sp0
224	NeuAca2-3Galb1-3GlcNAcb1-3Galb1-4GlcNAcb-Sp0
225	Neu5Aca2-3Galβ1-3GlcNAcβ-Sp0
226	Neu5Aca2-3Galβ1-3GlcNAcβ-Sp8
227	Neu5Aca2-3Galb1-4[6OSO3]GlcNAcb-Sp8
228	Neu5Aca2-3Galβ1-4(Fuca1-3)(6OSO3)GlcNAcβ-Sp8
229	Neu5Aca2-3Galβ1-4(Fuca1-3)GlcNAcβ1-3Galβ1-4(Fuca1-3)GlcNAcβ1-3Galβ1-4(Fuca1-3)GlcNAcβ-Sp0
230	Neu5Aca2-3Galβ1-4(Fuca1-3)GlcNAcβ-Sp0
231	Neu5Aca2-3Galβ1-4(Fuca1-3)GlcNAcβ-Sp8
232	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb-Sp8
233	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4GlcNAcb-Sp8
234	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAc-Sp0

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235	Neu5Aca2-3Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0
236	Neu5Aca2-3Galβ1-4GlcNAcβ-Sp0
237	Neu5Aca2-3Galβ1-4GlcNAcβ-Sp8
238	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
239	Neu5Aca2-3Galβ1-4Glcβ-Sp0
240	Neu5Aca2-3Galβ1-4Glcβ-Sp8
241	Neu5Aca2-6(Galβ1-3)GalNAca-Sp8
242	Neu5Aca2-6GalNAca-Sp8
243	Neu5Aca2-6GalNAcb1-4GlcNAcb-Sp0
244	Neu5Aca2-6Galb1-4[6OSO3]GlcNAcb-Sp8
245	Neu5Aca2-6Galβ1-4GlcNAcβ-Sp0
246	Neu5Aca2-6Galβ1-4GlcNAcβ-Sp8
247	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
248	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
249	Neu5Aca2-6Galβ1-4Glcβ-Sp0
250	Neu5Aca2-6Galβ1-4Glcβ-Sp8
251	Neu5Aca2-6Galβ-Sp8
252	Neu5Aca2-8Neu5Aca-Sp8
253	Neu5Aca2-8Neu5Aca2-3Galβ1-4Glcβ-Sp0
254	Neu5Acβ1-6GalNAca-Sp8
255	Neu5Acβ2-6Galb1-4GlcNAcb-Sp8
256	Neu5Acβ2-6(Galβ1-3)GalNAca-Sp8
257	Neu5Gca2-3Galb1-3(Fuca1-4)GlcNAcb-Sp0
258	Neu5Gca2-3Galb1-3GlcNAcb-Sp0
259	Neu5Gca2-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
260	Neu5Gca2-3Galβ1-4GlcNAcβ-Sp0
261	Neu5Gca2-3Galβ1-4Glcβ-Sp0
262	Neu5Gca2-6GalNAca-Sp0
263	Neu5Gca2-6Galβ1-4GlcNAcβ-Sp0
264	Neu5Gca-Sp8
Spacer Arms	
Code	Spacers
Sp0	CH ₂ CH ₂ NH ₂
Sp8	CH ₂ CH ₂ CH ₂ NH ₂
Sp9	CH ₂ CH ₂ CH ₂ CH ₂ CH ₂ NH ₂
Sp10	NHCOCH ₂ NH
Sp11	OCH ₂ C ₆ H ₄ -p-NHCOCH ₂ NH
Gly	Glycine
Asn	Asparagine