

This Table represents all glycans (oligo- and polysaccharides) printed on microarrays used in this work and also fluorescent signals (0-65535 RFU, relative fluorescent units) for each animal. Median - is median of 6-8 replicates of particular glycan; Q1 and Q3 - 25%- and 75% quartiles as a measure of deviation. All "positive" signals marked with red colour; measure of "positivity" is a signal that is 5 times greater than the background value, which was not higher than 300 RFU. Measurement of 5-time greater background values is our conventional practice.

<b>Nr (CarbLab)</b>	<b>Structure</b>	<b>Short Name</b>
001	<b>Fuc<math>\alpha</math>-sp3</b>	aF
002	<b>Gal<math>\alpha</math>-sp3</b>	aA
003	<b>Gal<math>\beta</math>-sp3</b>	bA
004	<b>GalNAc<math>\alpha</math>1-OSer</b>	TnSer
005	<b>GalNAc<math>\alpha</math>-sp3</b>	Tn
006	<b>GalNAc<math>\beta</math>-sp3</b>	bAN
007	<b>Glc<math>\alpha</math>-sp3</b>	aG
009	<b>Glc<math>\beta</math>-sp3</b>	bG
010	<b>GlcNAc<math>\beta</math>-sp3</b>	GN
011	<b>GlcNAc<math>\beta</math>-sp2</b>	GN-C2
012	<b>GlcNAc<math>\beta</math>-sp7</b>	GN-Ph
013	<b>GlcNAc<math>\beta</math>-sp8</b>	GN-PEG
014	<b>GlcN(Gc)<math>\beta</math>-sp4</b>	bGN(Gc)
015	<b>HOCH<sub>2</sub>(HOCH)<sub>4</sub>CH<sub>2</sub>NH<sub>2</sub></b>	glucitol
016	<b>Man<math>\alpha</math>-sp3</b>	aM
017	<b>Man<math>\alpha</math>-sp4</b>	aM-Gly
018	<b>Man<math>\beta</math>-sp4</b>	bM
019	<b>ManNAc<math>\beta</math>-sp4</b>	bMN
020	<b>Rha<math>\alpha</math>-sp3</b>	aR
021	<b>Gal<math>\beta</math>-sp4</b>	bA-Gly
022	<b>GlcNAc<math>\beta</math>-sp4</b>	GN-Gly

023	<b>GalNAc<math>\beta</math>-sp4</b>	bAN-Gly
024	<b>GlcNAc<math>\alpha</math>-sp3</b>	GNa
025	<b>GalNAc<math>\beta</math>-sp10</b>	bAN-PEG2
026	<b>Rha<math>\beta</math>-sp4</b>	bR
027	<b>3,6-O-Me<sub>2</sub>-Glc<math>\beta</math>-sp3</b>	3,6-Me <sub>2</sub> Glc
037	<b>3-O-Su-Gal<math>\beta</math>-sp3</b>	bA3Su
038	<b>3-O-Su-GalNAc<math>\beta</math>-sp3</b>	bAN3Su
043	<b>6-O-Su-GlcNAc<math>\beta</math>-sp3</b>	GN6Su
044	<b>GlcA<math>\alpha</math>-sp3</b>	aGU
045	<b>GlcA<math>\beta</math>-sp3</b>	bGU
046	<b>6-H<sub>2</sub>PO<sub>3</sub>Glc<math>\beta</math>-sp4</b>	G6P
047	<b>6-H<sub>2</sub>PO<sub>3</sub>Man<math>\alpha</math>-sp3</b>	M6P
048	<b>Neu5Ac<math>\alpha</math>-sp3</b>	Sia
049	<b>Neu5Ac<math>\alpha</math>-sp9</b>	Sia-Bn
050	<b>Neu5Ac<math>\beta</math>-sp3</b>	bSia
051	<b>Neu5Ac<math>\beta</math>-sp9</b>	bSia-Bn
052	<b>Neu5Gc<math>\alpha</math>-sp3</b>	aNeu5Gc
053	<b>Neu5Gc<math>\beta</math>-sp3</b>	bSia5Gc
054	<b>9-NAc-Neu5Ac<math>\alpha</math>-sp3</b>	9NAcSia
055	<b>3-O-Su-GlcNAc<math>\beta</math>-sp3</b>	GN3Su
071	<b>Fuc<math>\alpha</math>1-2Gal<math>\beta</math>-sp3</b>	Hdi
072	<b>Fuc<math>\alpha</math>1-3GlcNAc<math>\beta</math>-sp3</b>	Fa3GN
073	<b>Fuc<math>\alpha</math>1-4GlcNAc<math>\beta</math>-sp3</b>	Le
074	<b>Fuc<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp3</b>	Fb3GN
075	<b>Gal<math>\alpha</math>1-2Gal<math>\beta</math>-sp3</b>	Aa2A
076	<b>Gal<math>\alpha</math>1-3Gal<math>\beta</math>-sp3</b>	Bdi

077	<b>Gal<math>\alpha</math>1-3GalNAc<math>\beta</math>-sp3</b>	Tab
078	<b>Gal<math>\alpha</math>1-3GalNAc<math>\alpha</math>-sp3</b>	Taa
080	<b>Gal<math>\alpha</math>1-3GlcNAc<math>\beta</math>-sp3</b>	Aa3GN
081	<b>Gal<math>\alpha</math>1-4GlcNAc<math>\beta</math>-sp3</b>	aLN
082	<b>Gal<math>\alpha</math>1-4GlcNAc<math>\beta</math>-sp8</b>	aLN-PEG
083	<b>Gal<math>\alpha</math>1-6Glc<math>\beta</math>-sp4</b>	Aa6G
084	<b>Gal<math>\beta</math>1-2Gal<math>\beta</math>-sp3</b>	Ab2A
085	<b>Gal<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp3</b>	LeC
086	<b>Gal<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp2</b>	LeC-C2
087	<b>Gal<math>\beta</math>1-3Gal<math>\beta</math>-sp3</b>	Ab3A
088	<b>Gal<math>\beta</math>1-3GalNAc<math>\beta</math>-sp3</b>	Tbb
089	<b>Gal<math>\beta</math>1-3GalNAc<math>\alpha</math>-sp3</b>	TF
092	<b>Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp2</b>	Lac-C2
093	<b>Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4</b>	Lac-Gly
094	<b>Gal<math>\beta</math>1-4Gal<math>\beta</math>-sp4</b>	Ab4A
096	<b>Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	LN-C2
097	<b>Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LN
098	<b>Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp5</b>	LN-C8
099	<b>Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp8</b>	LN-PEG
100	<b>Gal<math>\beta</math>1-6Gal<math>\beta</math>-sp4</b>	Ab6A
101	<b>GalNAc<math>\alpha</math>1-3GalNAc<math>\beta</math>-sp3</b>	Fs-2
102	<b>GalNAc<math>\alpha</math>1-3Gal<math>\beta</math>-sp3</b>	Adi
103	<b>GalNAc<math>\alpha</math>1-3GalNAc<math>\alpha</math>-sp3</b>	core5
104	<b>GalNAc<math>\beta</math>1-3Gal<math>\beta</math>-sp3</b>	ANb3A
105	<b>GalNAc<math>\beta</math>1-3GalNAc<math>\beta</math>-sp3</b>	para-Fs
106	<b>GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc

107	<b>GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	LacdiNAc-C2
110	<b>Glc<math>\alpha</math>1-4Glc<math>\beta</math>-sp3</b>	Malt2
111	<b>Glc<math>\beta</math>1-4Glc<math>\beta</math>-sp4</b>	cello
112	<b>Glc<math>\beta</math>1-6Glc<math>\beta</math>-sp4</b>	gent
113	<b>GlcNAc<math>\beta</math>1-3GalNAc<math>\alpha</math>-sp3</b>	core3
114	<b>GlcNAc<math>\beta</math>1-3Man<math>\beta</math>-sp4</b>	GN3M
115	<b>GlcNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-Asn</b>	Ch2-Asn
116	<b>GlcNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	Ch2
117	<b>GlcNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp4</b>	Ch2-Gly
118	<b>GlcNAc<math>\beta</math>1-6GalNAc<math>\alpha</math>-sp3</b>	core6
119	<b>Man<math>\alpha</math>1-2Man<math>\beta</math>-sp4</b>	Ma2Mb
120	<b>Man<math>\alpha</math>1-3Man<math>\beta</math>-sp4</b>	Ma3M
121	<b>Man<math>\alpha</math>1-4Man<math>\beta</math>-sp4</b>	Ma4M
122	<b>Man<math>\alpha</math>1-6Man<math>\beta</math>-sp4</b>	Ma6M
123	<b>Man<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp4</b>	Mb4GN
125	<b>6-Bn-Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	6'Bn-LN
126	<b>6-Bn-Gal<math>\alpha</math>1-4(6-Bn)GlcNAc<math>\beta</math>-sp3</b>	Bn2-aLN
127	<b>Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Phe</b>	Lac-Phe
128	<b>Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Trp</b>	Lac-Trp
129	<b>Gal<math>\beta</math>1-3(6-O-Bn)GlcNAc<math>\beta</math>-sp3</b>	6BnLeC
130	<b>(6-O-Bn-Gal<math>\beta</math>1)-3GlcNAc<math>\beta</math>-sp3</b>	6'BnLeC
131	<b>(6-O-Bn-Gal<math>\beta</math>1)-3(6-O-Bn)GlcNAc<math>\beta</math>-sp3</b>	Bn2LeC
132	<b>Gal<math>\beta</math>1-3GalNAc<math>\alpha</math>-sp5</b>	TF-C8
133	<b>Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Ala</b>	Lac-Ala
134	<b>Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Arg</b>	Lac-Arg
135	<b>Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Asn</b>	Lac-Asn

136	Galβ1-4Glcβ-sp4-Ile	Lac-Ile
137	Galβ1-4Glcβ-sp4-Nle	Lac-Nle
138	Galβ1-4Glcβ-sp4-Val	Lac-Val
139	Galβ1-4GlcNAcα-sp3	LNa
140	Galα1-3GalNAc(fur)β-sp3	Tab(f)
142	GlcNAcα1-3GalNAcβ-sp3	GNa3AN
143	Fucα1-2(3-O-Su)Galβ-sp3	Hdi3Su
144	Galβ1-3(6-O-Su)GlcNAcβ-sp2	LeC6Su-C2
145	Galβ1-3(6-O-Su)GlcNAcβ-sp3	LeC6Su
146	Galβ1-4(6-O-Su)Glcβ-sp2	Lac6Su
149	GlcNAcβ1-4(6-O-Su)GlcNAcβ-sp2	Ch2-6Su
150	3-O-Su-Galβ1-3GalNAcα-sp3	TF3'Su
151	6-O-Su-Galβ1-3GalNAcα-sp3	TF6'Su
152	3-O-Su-Galβ1-4Glcβ-sp2	Lac3'Su
153	6-O-Su-Galβ1-4Glcβ-sp2	Lac6'Su
154	3-O-Su-Galβ1-3GlcNAcβ-sp3	LeC3'Su
156	3-O-Su-Galβ1-4GlcNAcβ-sp2	LN3'Su-C2
158	4-O-Su-Galβ1-4GlcNAcβ-sp2	LN4'Su-C2
159	4-O-Su-Galβ1-4GlcNAcβ-sp3	LN4'Su
160	6-O-Su-Galβ1-3GlcNAcβ-sp2	LeC6'Su-C2
161	6-O-Su-Galβ1-3GlcNAcβ-sp3	LeC6'Su
162	6-O-Su-Galβ1-4GlcNAcβ-sp2	LN6'Su-C2
164	GlcAβ1-3GlcNAcβ-sp3	GUb3GN
165	GlcAβ1-3Galβ-sp3	GUb3A
166	GlcAβ1-6Galβ-sp3	GUb6A
167	GlcNAcβ1-4-[HOOC(CH <sub>3</sub> )CH]-3-O-GlcNAcβ-sp4	GN-Mur

168	<b>GlcNAc<math>\beta</math>1-4Mur-L-Ala-D-i-Gln-Lys</b>	GMDPLys
169	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>-sp3</b>	GM4
170	<b>Neu5Ac<math>\alpha</math>2-6Gal<math>\beta</math>-sp3</b>	Sia6A
171	<b>Neu5Ac<math>\alpha</math>2-3GalNAc<math>\alpha</math>-sp3</b>	3-SiaTn
173	<b>Neu5Ac<math>\beta</math>2-6GalNAc<math>\alpha</math>-sp3</b>	bSiaTn
174	<b>Neu5Gc<math>\alpha</math>2-6GalNAc<math>\alpha</math>-sp3</b>	Neu5GcTn
175	<b>Neu5Gc<math>\beta</math>2-6GalNAc<math>\alpha</math>-sp3</b>	bNeu5GcTn
176	<b>3-O-Su-Gal<math>\beta</math>1-4(6-O-Su)Glc<math>\beta</math>-sp2</b>	Lac3',6Su2
177	<b>3-O-Su-Gal<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	LN3'6Su2
178	<b>6-O-Su-Gal<math>\beta</math>1-4(6-O-Su)Glc<math>\beta</math>-sp2</b>	Lac6,6'Su2
179	<b>6-O-Su-Gal<math>\beta</math>1-3(6-O-Su)GlcNAc<math>\beta</math>-sp2</b>	LeC6,6'Su2
180	<b>6-O-Su-Gal<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp2</b>	LN66'Su2
181	<b>3,4-O-Su<sub>2</sub>-Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LN3'4'Su2
182	<b>3,6-O-Su<sub>2</sub>-Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	LN3'6'Su2
183	<b>4,6-O-Su<sub>2</sub>-Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	LN4'6'Su2-C2
184	<b>4,6-O-Su<sub>2</sub>-Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LN4'6'Su2
186	<b>Neu5Ac<math>\alpha</math>2-8Neu5Ac<math>\alpha</math>2-sp3</b>	(Sia)2
187	<b>Neu5Ac<math>\alpha</math>2-8Neu5Ac<math>\alpha</math>2-sp9</b>	(Sia)2Bn
188	<b>Neu5Ac<math>\alpha</math>2-8Neu5Ac<math>\beta</math>-sp9</b>	(Sia)2-bBn
189	<b>3,6-O-Su<sub>2</sub>-Gal<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp2</b>	LN3'66'Su3
190	<b>Gal<math>\beta</math>1-4-(6-P)GlcNAc<math>\beta</math>-sp2</b>	LN6P
191	<b>6-P-Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	LN6'P
192	<b>GalNAc<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc6Su
193	<b>3-O-Su-GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc3'Su
194	<b>6-O-Su-GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc6'Su
195	<b>6-O-Su-GalNAc<math>\beta</math>1-4(3-O-Ac)GlcNAc<math>\beta</math>-sp3</b>	3Ac-LacdiNAc6'Su

196	<b>3-O-Su-GalNAc<math>\beta</math>1-4(3-O-Su)GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc3,3'Su2
197	<b>3,6-O-Su<sub>2</sub>-GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc3',6'Su2
198	<b>4,6-O-Su<sub>2</sub>-GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc4',6'Su2
199	<b>4,6-O-Su<sub>2</sub>-GalNAc<math>\beta</math>1-4-(3-O-Ac)GlcNAc<math>\beta</math>-sp3</b>	3Ac-LacdiNAc4',6'Su2
200	<b>4-O-Su-GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc4'Su
201	<b>3,4-O-Su<sub>2</sub>-GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc3',4'Su2
202	<b>6-O-Su-GalNAc<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	LacdiNAc6,6'Su2
203	<b>Gal<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp2</b>	LN6Su
204	<b>4-O-Su-GalNAc<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	LacdiNAc4'Su-C2
205	<b>Neu5Ac<math>\alpha</math>2-6GalNAc<math>\beta</math>-sp3</b>	6SiaANb
206	<b>Neu5Gc<math>\alpha</math>2-3Gal<math>\beta</math>-sp3</b>	Neu5Gc3A
207	<b>Neu5Ac<math>\beta</math>2-6GalNAc<math>\beta</math>-sp3</b>	bSiaANb
215	<b>Fuc<math>\alpha</math>1-2Gal<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp3</b>	LeD
216	<b>Fuc<math>\alpha</math>1-2Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	Htype2
217	<b>Fuc<math>\alpha</math>1-2Gal<math>\beta</math>1-3GalNAc<math>\alpha</math>-sp3</b>	Htype3
219	<b>Fuc<math>\alpha</math>1-2Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4</b>	Htype6
220	<b>Gal<math>\alpha</math>1-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp2</b>	Aa3'Lac-C2
221	<b>Gal<math>\alpha</math>1-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4</b>	Aa3'Lac-Gly
222	<b>Gal<math>\alpha</math>1-3Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	Galili3
223	<b>Gal<math>\alpha</math>1-4Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp2</b>	Pk-C2
225	<b>Gal<math>\alpha</math>1-4Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	P1
226	<b>Gal<math>\alpha</math>1-3(Fuc<math>\alpha</math>1-2)Gal<math>\beta</math>-sp3</b>	Btri
227	<b>Gal<math>\alpha</math>1-3(Fuc<math>\alpha</math>1-2)Gal<math>\beta</math>-sp5</b>	Btri-C8
228	<b>Gal<math>\beta</math>1-2Gal<math>\alpha</math>1-3GlcNAc<math>\beta</math>-sp3</b>	Ab2Aa3GN
229	<b>Gal<math>\beta</math>1-3Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp4</b>	Ab3'LN-Gly
231	<b>Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>1-3GalNAc<math>\alpha</math>-sp3</b>	LN3Tn

232	Galβ1-4GlcNAcβ1-6GalNAcα-sp3	LN6Tn
233	Galβ1-3(Fuca1-4)GlcNAcβ-sp3	LeA
234	Galβ1-4(Fuca1-3)GlcNAcβ-sp3	LeX
235	GalNAcα1-3(Fuca1-2)Galβ-sp3	Atri
236	GalNAcα1-3(Fuca1-2)Galβ-sp5	Atri-C8
237	GalNHα1-3(Fuca1-2)Galβ-OCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> NHAc	ABtri
239	GalNAcβ1-3(Fuca1-2)Galβ-sp3	Fa2(ANb3)A
240	(Glcα1-4) <sub>3</sub> β-sp4	(Ga4)3b
241	(Glcα1-6) <sub>3</sub> β-sp4	(Ga6)3b
242	GlcNAcα1-3Galβ1-4GlcNAcβ-sp2	GNa3'LN-C2
243	GlcNAcα1-3Galβ1-4GlcNAcβ-sp3	GNa3'LN
245	GlcNAcα1-6Galβ1-4GlcNAcβ-sp2	GNa6'LN
246	GlcNAcβ1-2Galβ1-3GalNAcα-sp3	GN2'TF
247	GlcNAcβ1-3Galβ1-3GalNAcα-sp3	GN3'TF
248	GlcNAcβ1-3Galβ1-4Glcβ-sp2	GN3'Lac
249	GlcNAcβ1-3Galβ1-4GlcNAcβ-sp2	GN3'LN-C2
250	GlcNAcβ1-3Galβ1-4GlcNAcβ-sp3	GN3'LN
251	GlcNAcβ1-4Galβ1-4GlcNAcβ-sp2	GN4'LN
252	GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ-sp4	Ch3
253	GlcNAcβ1-6Galβ1-4GlcNAcβ-sp2	GN6'LN
254	GlcNAcβ1-6(Galβ1-3)GalNAcα-sp3	core2
255	GlcNAcβ1-6(GlcNAcβ1-3)GalNAcα-sp3	core4
256	GlcNAcβ1-6(GlcNAcβ1-4)GalNAcα-sp3	GN2-4,6Tn
258	Manα1-6(Manα1-3)Manβ-sp4	(Ma)3b
259	Galβ1-4(Galβ1-3)GlcNAcβ-sp3	(Ab)2-3,4GN
260	Galβ1-3(Fucβ1-4)GlcNAcβ-sp3	bLeA

261	<b>Galβ1-4(Fucβ1-3)GlcNAcβ-sp3</b>	bLeX
262	<b>Galβ1-3GalNAcβ1-3Galβ-sp4</b>	Tbb-A
263	<b>(GalNAcβ-PEG<sub>2</sub>)<sub>3</sub>-β-Asp-Asp</b>	ANb-cluster
264	<b>Galβ1-4Galβ1-4GlcNAcβ-sp3</b>	Ab4'LN
266	<b>Galα1-4Galβ1-4GlcNAcβ-sp3</b>	P1
267	<b>GlcNAcβ1-3Galβ1-3GlcNAcβ-sp3</b>	GlcNAc3'Le <sup>c</sup>
268	<b>GlcNAcβ1-4(Fuca1-6)GlcNAcβ-sp3</b>	Fa6Ch2
287	<b>3-O-Su-Galβ1-3(Fuca1-4)GlcNAcβ-sp3</b>	3'SuLeA
288	<b>3-O-Su-Galβ1-4(Fuca1-3)GlcNAcβ-sp3</b>	3'SuLeX
289	<b>Neu5Acα2-6(Galβ1-3)GalNAcα-sp3</b>	6SiaTF
290	<b>Neu5Acα2-6(Galα1-3)GalNAcα-sp3</b>	A3a(Sia)Tn
291	<b>Neu5Acβ2-6(Galβ1-3)GalNAcα-sp3</b>	b6SiaTF
292	<b>Neu5Acα2-3Galβ1-3GalNAcα-sp3</b>	Sia3'TF
293	<b>Neu5Acα2-3Galβ1-4Glcβ-sp3</b>	3'SL
294	<b>Neu5Acα2-3Galβ1-4Glcβ-sp4</b>	3'SL-Gly
295	<b>Neu5Acα2-6Galβ1-4Glcβ-sp2</b>	6'SL-C2
296	<b>Neu5Acα2-6Galβ1-4Glcβ-sp4</b>	6'SL-Gly
297	<b>Neu5Acβ2-6Galβ1-4Glcβ-sp2</b>	b6'SL
298	<b>Neu5Acα2-3Galβ1-4GlcNAcβ-sp3</b>	3'SLN
299	<b>Neu5Acα2-3Galβ1-3GlcNAcβ-sp3</b>	3'SiaLeC
300	<b>Neu5Acα2-6Galβ1-4GlcNAcβ-sp3</b>	6'SLN
302	<b>Neu5Acβ2-6Galβ1-4GlcNAcβ-sp3</b>	b6'SLN
303	<b>Neu5Gcα2-3Galβ1-4GlcNAcβ-sp3</b>	3'SLN(Gc)
304	<b>Neu5Gcα2-6Galβ1-4GlcNAcβ-sp3</b>	6'SLN(Gc)
305	<b>Neu5Gcβ2-6Galβ1-4GlcNAcβ-sp3</b>	b6'SLN(Gc)
306	<b>9-NAc-Neu5Acα2-6Galβ1-4GlcNAcβ-sp3</b>	9NAc-6'SLN

307	<b>KDN<math>\alpha</math>2-3Gal<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp2</b>	KDN3LeC
308	<b>KDN<math>\alpha</math>2-3Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	KDN3LN
309	<b>Neu5Ac<math>\alpha</math>2-6(Neu5Ac<math>\alpha</math>2-3)GalNAc<math>\alpha</math>-sp3</b>	Sia2-3,6Tn
310	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-O(CH<sub>2</sub>)<sub>3</sub>NH-amide-Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	(3'SLN)2
315	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4-(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	3'SLN6Su
318	<b>Neu5Ac<math>\alpha</math>2-6Gal<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	6'SLN6Su
319	<b>Neu5Ac<math>\alpha</math>2-3(6-O-Su)Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	3'SLN6'Su
320	<b>4-O-Su-Neu5Ac<math>\alpha</math>2-3(6-O-Su)Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	3'SLN6',4''Su2
321	<b>(Neu5Ac<math>\alpha</math>2-8)<sub>3</sub>-sp3</b>	(Sia)3
322	<b>(Neu5Ac<math>\alpha</math>2-8)<sub>3</sub><math>\beta</math>-sp3</b>	(Sia)3b
323	<b>Neu5Ac<math>\alpha</math>2-6Gal<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp3</b>	6'SiaLeC
324	<b>Neu5Ac<math>\alpha</math>2-6Gal<math>\beta</math>1-3(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	6'SiaLeC6Su
325	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Ala</b>	3'SL-Ala
326	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Ile</b>	3'SL-Ile
327	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Nle</b>	3'SL-Nle
328	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Phe</b>	3'SL-Phe
329	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Trp</b>	3'SL-Trp
330	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Val</b>	3'SL-Val
331	<b>Neu5Gc<math>\alpha</math>2-3Gal<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp3</b>	3'SiaLeC(Gc)
332	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-4Glc<math>\beta</math>-sp4-Asn</b>	3'SL-Asn
333	<b>Neu5Gc<math>\alpha</math>2-3Gal<math>\beta</math>1-3(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	3'SiaLeC(Gc)6Su
334	<b>Neu5Gc<math>\alpha</math>2-3Gal<math>\beta</math>1-4(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	3'SLN(Gc)6Su
335	<b>Neu5Ac<math>\alpha</math>2-3Gal<math>\beta</math>1-3(6-O-Su)GlcNAc<math>\beta</math>-sp3</b>	3'SiaLeC6Su
359	<b>Gal<math>\alpha</math>1-3(Fuc<math>\alpha</math>1-2)Gal<math>\beta</math>1-3GlcNAc<math>\beta</math>-sp3</b>	Btype1
360	<b>Gal<math>\alpha</math>1-3(Fuc<math>\alpha</math>1-2)Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp3</b>	Btype2
361	<b>Gal<math>\alpha</math>1-3(Fuc<math>\alpha</math>1-2)Gal<math>\beta</math>1-4GlcNAc<math>\beta</math>-sp2</b>	Btype2-C2

362	Gal $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\beta$ 1-3GalNAc $\alpha$ -sp3	Btype3
363	Gal $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\beta$ 1-3GalNAc $\beta$ -sp3	Btype4
364	Gal $\alpha$ 1-3Gal $\beta$ 1-4(Fuc $\alpha$ 1-3)GlcNAc $\beta$ -sp3	aGalLeX
365	Gal $\alpha$ 1-4(Fuc $\alpha$ 1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	Aa4'(Fa2')LN
366	GalNAc $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\beta$ 1-3GlcNAc $\beta$ -sp3	Atype1
368	GalNAc $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	Atype2
369	GalNAc $\alpha$ 1-4(Fuc $\alpha$ 1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	ANa4'(Fa2')LN
371	Fuc $\alpha$ 1-2Gal $\beta$ 1-3(Fuc $\alpha$ 1-4)GlcNAc $\beta$ -sp3	LeB
372	Fuc $\alpha$ 1-2Gal $\beta$ 1-4(Fuc $\alpha$ 1-3)GlcNAc $\beta$ -sp3	LeY
373	Gal $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ -sp3	Galili4
374	Gal $\alpha$ 1-3(Gal $\alpha$ 1-4)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	Aa2-3',4'LN
375	Gal $\alpha$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	aLN3'LN
376	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	LNT
377	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp2	LeCb3'LeC
378	Gal $\beta$ 1-3GlcNAc $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	LeCa3'LN
379	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	LeC3'LN
380	Gal $\beta$ 1-3GlcNAc $\alpha$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LeCa6'LN
381	Gal $\beta$ 1-3GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LeC6'LN
382	Gal $\beta$ 1-3GalNAc $\beta$ 1-4Gal $\beta$ 1-4Glc $\beta$ -sp3	aGM1
383	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	LNnT
384	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LN3'LN-C2
386	Gal $\beta$ 1-4GlcNAc $\alpha$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LNa6'LN
387	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LN6'LN
388	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAc $\alpha$ -sp3	LN6TF
389	GalNAc $\beta$ 1-3Gal $\alpha$ 1-4Gal $\beta$ 1-4Glc $\beta$ -sp3	Gb4
390	(Glc $\alpha$ 1-4) $_4\beta$ -sp4	(Ga4)4b

392	GalNAc $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\beta$ 1-3GalNAc $\alpha$ -sp3	A(type 3)
394	GlcNAc $\beta$ 1-4(GlcNAc $\beta$ 1-3)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	GN2-3',4'LN
395	GlcNAc $\beta$ 1-6(GlcNAc $\beta$ 1-3)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	Tk
396	(GlcNAc $\beta$ 1) <sub>3</sub> -3,4,6-GalNAc $\alpha$ -sp3	GN3-3,4,6Tn
397	Gal $\beta$ 1-3GlcN(Fm) $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	LeC(Fm)b3'LN
398	Gal $\beta$ 1-3GlcN(Fm) $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3	LeC(Fm)3'LeC
399	Gal $\beta$ 1-3GlcNAc $\alpha$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp2	LeCa3'LeC-C2
401	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3	Le <sup>C</sup> 3'Le <sup>C</sup>
402	GalNAc $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\alpha$ 1-4GlcNAc $\beta$ -sp3	Atria4GN
403	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LeC3'LN
419	3-O-SuGal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	(3'SuLN)3'LN
420	4-O-SuGal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	(4'SuLN)3'LN
423	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(Fuc $\alpha$ 1-3)GlcNAc $\beta$ -sp3	SiaLeX
425	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(Fuc $\beta$ 1-3)GlcNAc $\beta$ -sp3	bF-SiaLeX
426	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3(Fuc $\alpha$ 1-4)GlcNAc $\beta$ -sp3	SiaLeA
428	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(Fuc $\alpha$ 1-3)(6-O-Su)GlcNAc $\beta$ -sp3	SiaLeX6Su
429	Neu5Ac $\alpha$ 2-3(6-O-Su)Gal $\beta$ 1-4(Fuc $\alpha$ 1-3)GlcNAc $\beta$ -sp3	SiaLeX6'Su
431	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(2-O-Su-Fuc $\alpha$ 1-3)GlcNAc $\beta$ -sp3	SiaLeX2''Su
432	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(3-O-Su-Fuc $\alpha$ 1-3)GlcNAc $\beta$ -sp3	SiaLeX3'''Su
433	Neu5Ac $\alpha$ 2-6(Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3)GalNAc $\alpha$ -sp3	Sia2-3',6TF
434	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4Glc $\beta$ -sp4	GD3
435	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(2-O-Su-Fuc $\alpha$ 1-3)(6-O-Su)GlcNAc $\beta$ -sp3	SiaLeX6,2''Su2
436	4-O-Su-Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(Fuc $\alpha$ 1-3)(6-O-Su)GlcNAc $\beta$ -sp3	SiaLeX6,4''Su2
437	GalNAc $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\beta$ 1-3GalNAc $\beta$ -sp3	A(type 4)
479	Fuc $\alpha$ 1-2Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	Htype1Lac
480	Fuc $\alpha$ 1-2Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	Htype1LN

481	Gal $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	Galili5
483	Gal $\alpha$ 1-3(Fuca $\alpha$ 1-2)Gal $\beta$ 1-4(Fuca $\alpha$ 1-3)GlcNAc $\beta$ -sp3	BLeY
492	(Glc $\alpha$ 1-6) $_5\beta$ -sp4	(Ga6)5b
493	(GlcNAc $\beta$ 1-4) $_5\beta$ -sp4	Ch5
495	Man $\alpha$ 1-6(Man $\alpha$ 1-3)Man $\alpha$ 1-6(Man $\alpha$ 1-3)Man $\beta$ -sp4	(Ma)5b
496	Fuca $\alpha$ 1-2Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	LeBLac
497	Fuca $\alpha$ 1-2Gal $\beta$ 1-4(Fuca $\alpha$ 1-3)GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	LeYLac
498	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	(LNb3')3
499	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6(Gal $\beta$ 1-4GlcNAc $\beta$ 1-3)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LN2-3',6'LN
501	Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gal $\alpha$ 1-4Gal $\beta$ 1-4Glc $\beta$ -sp4	Gb5
502	(Glc $\alpha$ 1-6) $_6\beta$ -sp4	(Ga6)6b
503	(GlcNAc $\beta$ 1-4) $_6$ -sp4	Ch6
504	(A $\beta$ 1-4GN $\beta$ 1-2M $\alpha$ 1) $_2$ -3,6-M $\beta$ 1-4GN $\beta$ 1-4GN $\beta$ -sp4	9-OS
505	(GN $\beta$ 1-2M $\alpha$ 1) $_2$ -3,6-M $\beta$ 1-4GN $\beta$ 1-4GN $\beta$ -sp4	7-OS
506	Araf $\beta$ 1-2Araf $\alpha$ 1-5(Araf $\beta$ 1-2Araf $\alpha$ 1-3) Araf $\alpha$ 1-5Araf $\alpha$ -O(CH $_2$ ) $_2$ NHCOCH $_2$ (OCH $_2$ CH $_2$ ) $_6$ NH $_2$	Araf6
527	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	3'SLN-LN
528	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(Fuca $\alpha$ 1-3)GlcNAc $\beta$ 1-3Gal $\beta$ -sp3	SiaLeX3A
529	Neu5Ac $\alpha$ 2-6(Gal $\beta$ 1-3)GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	LSTb
530	(Neu5Ac $\alpha$ 2-3Gal $\beta$ 1) $_2$ -3,4-GlcNAc $\beta$ -sp3	(Sia3A)2-3,4GN
531	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc $\beta$ -sp2	GD2
534	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6'SLN-LN
535	Neu5Ac $\alpha$ 2-8Neu5Ac $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc $\beta$ -sp4	GD2-Gly
536	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	LSTa
537	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4	LSTd
538	Gal $\beta$ 1-4(Fuca $\alpha$ 1-3)GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3GlcNAc $\beta$ 1-3)Gal $\beta$ 1-4Glc $\beta$ -sp4	MFLNH III
539	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6(Fuca $\alpha$ 1-2Gal $\beta$ 1-3GlcNAc $\beta$ 1-3)Gal $\beta$ 1-4Glc $\beta$ -sp4	MFLNH I

540	Galβ1-4(Fuca1-3)GlcNAcβ1-6(Neu5Aca2-6Galβ1-4GlcNAcβ1-3)Galβ1-4Glcβ-sp4	MSMFLNnH
541	Galβ1-4(Fuca1-3)GlcNAcβ1-6(Fuca1-2Galβ1-3GlcNAcβ1-3)Galβ1-4Glcβ-sp4	DFLNH (a)
542	Galβ1-3GlcNAcβ1-3Galβ1-4(Fuca1-3)GlcNAcβ1-6(Galβ1-3GlcNAcβ1-3)Galβ1-4Glcβ-sp4	MF(1-3)iLNO
625	(GlcAβ1-3GlcNAcβ1-4) <sub>11-12</sub> -NH <sub>2</sub> -ol	HyalU(11-12)-ol
627	(Siaα2-6Aβ1-4GNβ1-2Mα1)2-3,6-Mβ1-4GNβ1-4GNβ-sp4	11-OS
800	GlcNAcα1-4GlcNAcβ-sp3	GNa4GN
801	GalNAcα1-3GalNAc(fur)β-sp3	Fs(f)-2
900	H-(Gly) <sub>6</sub> -NH <sub>2</sub> Gly6-amide, linear	Gly6
1001	-4Qui3Nα1-3Rhaα1-4Galβ1-3(Glcβ1-4)GalNα1-	S. enterica O28deAc
1002	-2Rib-ol5-P-6Galα1-3FucNAma1-3GlcNβ1-	S. enterica O47deAc
1003	-4(Fuca1-3)GalNα1-6ManNα1-3Fuca1-3(Glcβ1-4)Galβ1-	S. enterica O16deAc
1004	-2Fuca1-2Galβ1-3GalNAcα1-3GlcNAcα1-	S. enterica O13
1005	-4Qui3NAcα1-3Rhaα1-4Galβ1-3(Glcβ1-4)GalNAcα1-	S. enterica O28
1006	-4(Fuca1-3)GalNAcα1-6Man2(20%)Ac3(40%)Ac4(20%)Acα1-3Fuca1-3(Glcβ1-4)Galβ1-	S. enterica O16
1007	-2(Galf α1-4)Galα1-3ManNAcβ1-6Galf β1-3GlcNAcβ1-	S. enterica O17
1008	-3Galf 2(30%)Acβ1-3Galα1-	S. enterica O67
1009	-3(S-3HOBu1-2Ala1-4)Qui4Nβ1-6GlcNAcα1-3QuiNAcα1-3GlcNAcα1-	S. enterica O58
1010	-2Manβ1-4Glcα1-3QiuNAcα1-3GlcNAcα1-	S. enterica O41
1011	-3(GalNAcA6NH <sub>2</sub> α1-2)Rhaα1-2Rhaα1-3Rhaα1-2Rhaα1-3GlcNAcβ1-	S. enterica O62
1012	-2(Fuc3NFoa1-3)Manβ1-3Glcβ1-3GlcNAcβ1-	S. enterica O60
1013	-4Manα1-2Manα1-2Manβ1-3GalNAcα1-	S. enterica O18
1014	-2Galβ1-3GlcNAcα1-4Rhaα1-3GlcNAcβ1-	S. enterica O59
1015	-3(ManNAcβ1-2)Rhaα1-2Rhaα1-2Galα1-3GlcNAcβ1-	S. enterica O42
1016	-2Ribf β1-4Galβ1-4GlcNAcα1-4Galβ1-3GlcNAcα1-	S. enterica O52
1017	-3GlcNAcβ1-3(Manβ1-4)Galα1-4Rhaα1-	S. enterica O11
1018	-6Glcα1-4(GlcNAcβ1-3)Galβ1-3GalNAcα1-3GlcNAcβ1-	S. enterica O51

1019	-2Glc $\alpha$ 1-6Glc $\alpha$ 1-4(GlcNAc $\beta$ 1-3)Gal $\alpha$ 1-3GlcNAc $\beta$ 1-	S. enterica O44
1020	-7Neu5Ac $\alpha$ 2-3FucNAc $\alpha$ 1-3GlcNAc6Ac $\beta$ 1-	S. enterica O21
1021	-3(GlcNAc $\beta$ 1-2)Rha $\alpha$ 1-2Rha $\alpha$ 1-4Glc $\alpha$ 1-3GalNAc $\beta$ 1-	S. enterica O57
1022	-3(Ser2Ac1-4)Qui4N $\beta$ 1-3Ribf $\beta$ 1-4GalNAc $\alpha$ 1-3GlcNAc $\alpha$ 1-	S. enterica O56
1023	-3(Gal $\beta$ 1-4)Gal $\beta$ 1-4(GlcNAc $\beta$ 1-2)Glc $\beta$ 1-3GalNAc $\beta$ 1-	S. enterica O38
1024	-3(Rha2(%))Ac3(%))Ac4(%))Ac $\alpha$ 1-4Gal $\alpha$ 1-2)Rha $\alpha$ 1-4Glc $\alpha$ 1-2Rha $\alpha$ 1-3GlcNAc $\beta$ 1-	C. sakazakii G2356 O2
1025	-3FucNAc $\alpha$ 1-4(GlcNAc $\beta$ 1-2)Gal $\alpha$ 1-3FucNAc $\alpha$ 1-3GlcNAc $\beta$ 1-	C. sakazakii G2592 O7
1026	-2(Glc $\alpha$ 1-4)Glc $\beta$ 1-2Fuc3NR Hb $\beta$ 1-6GlcNAc $\alpha$ 1-4GalNAc $\alpha$ 1-3(Glc $\alpha$ 1-6)GlcNAc $\beta$ 1-	C. sakazakii G2594 O4
1027	-4Qui3NAc $\alpha$ 1-3Rha $\alpha$ 1-6GlcNAc $\alpha$ 1-4GlcA $\beta$ 1-3(Glc $\beta$ 1-4)GalNAc $\alpha$ 1-	C. sakazakii G2726 O3
1201	-4(Col $\alpha$ 1-3)(Col $\alpha$ 1-6)Glc $\alpha$ 1-4Gal $\alpha$ 1-3GlcNAc $\beta$ 1-	E. coli O11
1202	-2Gal $\beta$ 1-3FucNAc $\alpha$ 1-3GlcNAc $\beta$ 1-	E. coli O15
1203	-2Man $\alpha$ 1-2(Glc $\alpha$ 1-4)Man $\beta$ 1-3GlcNAc $\alpha$ 1-6Man $\alpha$ 1-	E. coli O44
1204	-2(S-3HOBut1-4)Qui4N $\alpha$ 1-4GalNAc $\beta$ 1-4Rha $\alpha$ 1-3GlcNAc6(30%)Ac $\beta$ 1-	E. coli O49
1205	-3(GlcNAc $\beta$ 1-2)Rha $\alpha$ 1-2Rha $\alpha$ 1-4Glc $\alpha$ 1-3GalNAc $\beta$ 1-	E. coli O51
1206	-3Fucf 2(50%)Ac $\beta$ 1-3-6dmanHep $\beta$ 1-	E. coli O52
1207	-2-DRha4NAc $\alpha$ 1-3Fuca1-4Glc $\beta$ 1-3GalNAc $\alpha$ 1-	E. coli O57
1208	-4(R-Lac2-3Rhap2Ac $\alpha$ 1-3)Man $\beta$ 1-4Man $\alpha$ 1-3GalNAc $\beta$ 1-	E. coli O58
1209	-4Quip3NAc $\alpha$ 1-3Rha $\alpha$ 1-4Gal $\beta$ 1-3GalNAc $\alpha$ 1-	E. coli O71
1210	-6Man $\alpha$ 1-2(Glc $\alpha$ 1-4)Man $\alpha$ 1-2(Glc $\alpha$ 1-3)Man $\beta$ 1-3GlcNAc $\alpha$ 1-	E. coli O73
1211	-2(Galf $\alpha$ 1-4)Gal $\alpha$ 1-3ManNAc $\beta$ 1-6Galf $\beta$ 1-3GlcNAc $\beta$ 1-	E. coli O85
1212	-3)Fuca1-3Xluf $\beta$ 1-	E. coli O95
1213	-3(Glc $\alpha$ 1-2)Rha $\alpha$ 1-2Rha $\alpha$ 1-2Rha $\alpha$ 1-3(Glc $\alpha$ 1-2)Rha $\alpha$ 1-	E. coli O99
1214	-4-8eLeg5Ac7Ac $\alpha$ 2-6Gal $\alpha$ 1-3FucNAc $\alpha$ 1-3GlcNAc $\alpha$ 1-	E. coli O108
1215	-4(GlcpNAc $\beta$ 1-3)GalNAc $\alpha$ 1-2Glc $\alpha$ 1-4L-Ido $\alpha$ 1-3GalNAc $\beta$ 1-	E. coli O112ab
1216	-3Rib-ol5-P-6Gal $\alpha$ 1-3FucNAc $\alpha$ 1-3GlcNAc $\beta$ 1-	E. coli O118
1217	-2(RhaNAc3NFo $\beta$ 1-3)Man $\beta$ 1-3Gal $\alpha$ 1-4Rha $\alpha$ 1-3GlcNAc $\alpha$ 1-	E. coli O119

1218	-3(S-3HOBut1-2DAla1-4)Qui4Nβ1-6GlcNAcα1-3LQuiNAcα1-3GlcNAc6(30%)Acα1-	E. coli O123
1219	-2(Glcα1-3)Manα1-3Fucα1-3GalNAcα1-4(Galβ1-3)GalNAcβ1-	E. coli O125
1220	-2Fuc3(65%)Ac4(35%)Acα1-2Galβ1-3GalNAcα1-3GalNAcα1-	E. coli O127
1221	-4(GalNAcβ1-3)Galα1-6Glcβ1-3GalNAcβ1-	E. coli O130
1222	-3Rhaα1-3Rhaα1-2Glcα1-3GlcNAcα1-	E. coli O148
1223	-3(S-Lac2-4)GlcNAcβ1-2Rhaα1-2Rhaα1-3(Glcβ1-2)Rhaα1-3GlcNAcβ1-	E. coli O150
1224	-2Rib-ol5-P-6Galα1-3FucNAμα1-3(GlcNAcβ1-4)GlcNAcβ1-	E. coli O151
1225	-8(D-Ala1-7)Leg5Acα2-4GlcAβ1-3GlcNAcβ1-	E. coli O161
1226	-4(Fucα1-3)GlcNAc6(30%)Acα1-4GlcAα1-3Fucα1-3GlcNAcβ1-	E. coli O168
1230	Unpublished	E. coli O10a10b
1231	-2Glcβ1-6GlcNAcα1-3FucNAcα1-3GlcNAcβ1-	E. coli O12
1232	Galα1-2Galα1-2(Galβ1-4)Glcα1-3Glcα1-/inner core-lipid A/	E. coli O14
1233	-2Rhaα1-2Rhaα1-2Rhaα1-2Glcα1-3GlcNAc6Acα1-	E. coli O19ab
1234	Unpublished	E. coli O27
1238	-3Galα1-3(GlcAβ1-4)Fucα1-4GlcNAcβ1-3Fucα1-3GlcNAcβ1-	E. coli O41
1239	Unpublished	E. coli O54
1240	Unpublished	E. coli O62
1241	Unpublished	E. coli O81
1401	GalNAcα1-4GlcNAc3NAcAβ1-3DFucNAcα1-3QuiNAcβ1-3Rhaα1-3(Glcα1-6)Glcβ1-3(Glcα1-4)(L-Ala1-2)GalNA(P-6)1-3L-gro-manHep7Cμα1-3(P-2)(P-4)L-gro-manHepα1-5Kdoα	P. aeruginosa O1(F4)
1402	-3Rhaα1-4LGalNAcAα1-3QuiNAcα1-	P. aeruginosa O10ac(F5)
1403	-2LGlcβ1-3FucNAcα1-3DFucNAcβ1-	P. aeruginosa O11ab
1404	-2Rhaα1-3Rhaα1-4GalNAcA3Acα1-3QuiNAcβ1-	P. aeruginosa O13ab
1405	Rhaα1-3Rhaα1-4GalNAcAα1-3QuiNAcβ1-3Rhaα1-3(Glcα1-6)Glcβ1-3(Glcα1-4)(L-Ala1-2GalNA1-3(P-6)L-gro-manHep7Cμα1-3(P-2)(P-4)L-gro-manHepα1-5Kdoα	P. aeruginosa O13ac

1406	Glc $\alpha$ 1-6Glc $\beta$ 1-3(Rha $\alpha$ 1-6Glc $\alpha$ 1-4)GalNA $\alpha$ 1-3(P-6)L-gro-manHep $\alpha$ 1-3(P-2)(P-4)L-gro-manHep $\alpha$ 1-5(Kdo $\alpha$ 2-4)Kdo $\alpha$ 2-6(P-4)GlcN $\beta$ 1-6GlcNA $\alpha$ 1-P	P. aeruginosa O14
1407	-2Ribf $\beta$ 1-3GalNAc $\alpha$ 1-	P. aeruginosa O15
1408	Unpublished	P. aeruginosa O2abc
1409	-4ManNAc3NAmA $\beta$ 1-4LGulNAc3NAcA $\alpha$ 1-3DFucNAc4N $\beta$ 1-	P. aeruginosa O2ac
1410	-4ManNAc3NAmA $\beta$ 1-4LGulNAc3NAcA $\alpha$ 1-3DFucNAc $\beta$ 1-	P. aeruginosa O2ac(F3)
1412	-4LGulNAc3NAmA $\alpha$ 1-4ManNAc3NAcA $\beta$ 1-3DFucNAc4A $\alpha$ 1-	P. aeruginosa O2adf
1413	-2LRha3A $\alpha$ 1-6GlcNAc $\alpha$ 1-4GalNAcA3A $\alpha$ 1-3(S-3HOBut1-4)QuiNAc4N $\beta$ 1-	P. aeruginosa O3(Habs 3)
1416	-2Rha $\alpha$ 1-3FucNAc $\alpha$ 1-3FucNAc $\alpha$ 1-3DFucNAc $\alpha$ 1-	P. aeruginosa O4ac
1418	-3R-3HOBut1-7Pse4Ac5Ac $\beta$ 2-4DFucNAc $\alpha$ 1-3QuiNAc $\beta$ 1-	P. aeruginosa O9ad
1501	Unpublished	P. genomospecies 5/6 O79
1601	Unpublished	P. mirabilis 12B-r
1602	-3(Rib1(50%)Ac-ol5-P-6)Gal $\beta$ 1-4(GlcNAc $\beta$ 1-2)Glc $\beta$ 1-3GlcNAc $\beta$ 1-	P. mirabilis 1B-m
1603	-2Glc $\beta$ 1-3L6dTal2(85%)A $\alpha$ 1-3GlcNAc $\beta$ 1-	P. mirabilis 3B-m
1605	-3(Glc $\alpha$ 1-6)GlcNAc $\beta$ 1-4(GlcNAc $\beta$ 1-2)GlcA $\beta$ 1-3(L-Thr2-6)GalA $\beta$ 1-	P. mirabilis O11
1606	-3GlcNAc $\beta$ 1-3(S,R-CetLys2-6GalA $\alpha$ 1-4)Gal $\alpha$ 1-	P. mirabilis O13
1607	GalNAc $\beta$ 1-4GalNAc $\alpha$ 1-3GlcNAc $\alpha$ 1-2Rib-ol	P. mirabilis O16
1608	-3GlcA $\beta$ 1-4(Gal $\alpha$ 1-3)FucNAc $\alpha$ 1-3GlcNAc $\alpha$ 1-	P. mirabilis O23
1609	-4(Lys2-6)GalA $\alpha$ 1-4Gal $\alpha$ 1-3(Ser-(2-6)GalA4A $\alpha$ 1-3GlcNAc $\beta$ 1-	P. mirabilis O28
1610	-3LQuiNAc $\alpha$ 1-3GlcNAc $\alpha$ 1-6(S-Lac-1-3)GlcNAc $\alpha$ 1-	P. mirabilis O31
1611	-2(Rib-ol5-P-3)Gal $\beta$ 1-3GlcNAc $\alpha$ 1-3(EtN1-75%P-6)Glc $\beta$ 1-3GlcNAc $\beta$ 1-	P. mirabilis O33
1613	-3(EtNAc1-P-6)GlcNAc $\alpha$ 1-3D-Asp2Ac4-4)Qui4N $\beta$ 1-6Glc $\alpha$ 1-4GalA $\alpha$ 1-	P. mirabilis O38
1614	-6(GalA6(L-Lys) $\alpha$ 1-4)GalNAc $\beta$ 1-4(Glc $\alpha$ 1-2)GlcA $\beta$ 1-3GalNAc $\beta$ 1-	P. mirabilis O3ab
1615	-4(GalA6(L-Thr)3A $\alpha$ 1-3)GalNAc $\beta$ 1-3Rha $\beta$ 1-4GlcNAc6Ac $\beta$ 1-	P. mirabilis O58
1616	-4(GlcA $\alpha$ 1-3)FucNAc $\alpha$ 1-3GlcNAc $\beta$ 1-	P. mirabilis O6
1617	-4(S,R-CetLys2-6)GlcA $\beta$ 1-6GalNAc $\alpha$ 1-6GlcNAc $\beta$ 1-3GlcNAc $\beta$ 1-	P. mirabilis O60

1618	-6GlcNAc $\alpha$ 1-3Gal $\beta$ 1-3GalNAc $\alpha$ 1-	P. mirabilis OE
1701	-3GlcA $\beta$ 1-4(Gal $\alpha$ 1-3)FucNAc $\alpha$ 1-3GlcNAc $\alpha$ 1-	P. penneri 107
1702	-3(Glc $\beta$ 1-3GlcNAc4(S-Lac) $\beta$ 1-2)Rha $\alpha$ 1-2Rha $\alpha$ 1-2Gal6Ac $\alpha$ 1-3GlcNAc $\beta$ 1-	P. penneri 113
1703	-4(Glc $\alpha$ 1-2)GlcA3Ac $\beta$ 1-3GlcNAc $\alpha$ 1-2(R-3HOBu1-3)Fuc3N $\beta$ 1-6Glc4Ac $\alpha$ 1-	P. penneri 17
1705	-3Gal $\alpha$ 1-4GalNAc $\alpha$ 1-3FucNAc $\alpha$ 1-3(EtN1-P-6)GlcAc $\beta$ 1-	P. penneri 31
1706	-6(S-Lac2-3)GlcNAc $\beta$ 1-3Gal $\alpha$ 1-3GlcNAc6Ac $\beta$ 1-	P. penneri 40
1707	-4(Glc $\alpha$ 1-3)Glc $\beta$ 1-3Gal $\beta$ 1-3GalNAc $\beta$ 1-4Rib-ol5-P-	P. penneri 75
1801	-3(EtN1-P-6)GlcNAc $\alpha$ 1-2(R-3HOBu1-3)Fuc3N $\beta$ 1-6Glc $\alpha$ 1-4GlcA $\beta$ 1-	P. vulgaris 32/57 O17
1802	-4(L-Ala2-6)GlcA $\beta$ 1-3GalNAc $\beta$ 1-4Glc $\beta$ 1-3Gal $\alpha$ 1-4GalNAc $\beta$ 1-	P. vulgaris 70/57 O44
1804	-3GlcNAc $\beta$ 1-3(Qui3NAc2(65%)Ac4Ac $\alpha$ 1-2)Rha $\beta$ 1-4Rha $\alpha$ 1-4GlcA $\beta$ 1-	P. vulgaris O22
1806	-4GlcA $\beta$ 1-3GlcNAc $\beta$ 1-2(R-3HOBu1-2L-Ala1-4)Qui4N $\beta$ 1-3Gal $\alpha$ 1-	P. vulgaris O4
1807	-4Glc6(65%)Ac $\alpha$ 1-3GlcA4Ac $\beta$ 1-3GlcNAc $\alpha$ 1-3GlcA4(87%)Ac $\beta$ 1-	P. vulgaris O46
1808	-4Glc $\beta$ 1-3GalNAc $\beta$ 1-4GalNAc $\beta$ 1-4Gal $\beta$ 1-	P. vulgaris O65
1809	-4LQuiNAc $\alpha$ 1-3GlcNAc $\alpha$ 1-4(LQuiNAc $\alpha$ 1-3)GalNAc $\alpha$ 1-4Gal $\alpha$ 1-P	P. vulgaris OX19
1810	-4Glc $\beta$ 1-3GalNAc $\beta$ 1-4GalNAc $\beta$ 1-4Gal $\beta$ 1-	P. vulgaris TG251
2001	-3(Ribf $\beta$ 1-4GlcA $\beta$ 1-4)Gal $\alpha$ 1-6Man $\alpha$ 1-2Man $\alpha$ 1-3GalNAc $\beta$ 1-	Sh. boydii type 10
2002	-3GlcNAc $\beta$ 1-4GlcA3Ac $\beta$ 1-2(Rha3Ac $\alpha$ 1-3)Man $\alpha$ 1-4Gal $\beta$ 1-	Sh. boydii type 12
2003	-6Gal $\alpha$ 1-4GlcA $\beta$ 1-6Gal $\beta$ 1-4Gal $\beta$ 1-4GlcNAc $\beta$ 1-	Sh. boydii type 14
2004	-4(GlcNAc $\beta$ 1-3)GalNAc $\alpha$ 1-4Glc $\alpha$ 1-4L-IdoA $\alpha$ 1-3GalNAc $\beta$ 1-	Sh. boydii type 15
2005	-4GlcA $\beta$ 1-2(Gal $\alpha$ 1-3)Man6(50%)Ac $\beta$ 1-4Man $\beta$ 1-3GlcNAc $\beta$ 1-	Sh. boydii type 16
2006	-6(R-Lac2-4)Glc $\beta$ 1-4GalNAc $\alpha$ 1-3GalNAc $\beta$ 1-	Sh. boydii type 17
2007	-3Rha $\beta$ 1-4Rha $\alpha$ 1-2Rha $\alpha$ 1-2GalA $\alpha$ 1-3GalNAc $\alpha$ 1-	Sh. boydii type 18
2008	-2Ribf $\beta$ 1-4GalA $\alpha$ 1-3GlcNAc $\alpha$ 1-2(Galf $\beta$ 1-3)Rha $\alpha$ 1-2Rha $\alpha$ 1-2Ribf $\beta$ 1-4GalA $\alpha$ 1-	Sh. boydii type 2
2009	-3(GlcA $\beta$ 1-4)Gal $\alpha$ 1-6Man $\alpha$ 1-2Man $\alpha$ 1-3GalNAc $\beta$ 1-	Sh. boydii type 6
2010	-2Galf $\beta$ 1-3GlcNAc $\alpha$ 1-8(3HOBu1-7)Pse5Ac2-6Gal $\alpha$ 1-6Glc $\alpha$ 1-	Sh. boydii type 7
2011	-3GalNAc $\alpha$ 1-4GlcA $\beta$ 1-3GlcNAc $\beta$ 1-2GalA $\beta$ 1-	Sh. boydii type 8

2012	-4Glc $\alpha$ 1-4GlcA $\beta$ 1-3GlcNAc $\alpha$ 1-3Rha $\alpha$ 1-	Sh. boydii type 9
2013	Unpublished	Sh. boydii type X
2101	-3Rha $\alpha$ 1-3Rha $\alpha$ 1-2Gal $\alpha$ 1-3GlcNAc $\alpha$ 1-	Sh. dysenteriae type 1
2102	-1D-Gro3-P-6Glc $\beta$ 1-4(Glc $\alpha$ 1-6Gal2(25%)Ac $\alpha$ 1-3)FucNAc $\alpha$ 1-3GlcNAc $\beta$ 1-	Sh. dysenteriae type 11
2103	-3(R-Lac2-4Glc $\beta$ 1-6Glc $\alpha$ 1-4)Gal $\beta$ 1-6Gal $f$ $\beta$ 1-3GalNAc $\beta$ 1-	Sh. dysenteriae type 3
2104	-3GlcNAc $\alpha$ 1-3(Fuc3Ac4Ac $\alpha$ 1-4)GlcNAc $\alpha$ 1-4GlcA $\alpha$ 1-3Fuc $\alpha$ 1-	Sh. dysenteriae type 4
2105	GalNAcA3Ac6NH $2\alpha$ 1-4GalNAcA $\alpha$ 1-3GlcNAc	Sh. dysenteriae type 7
2106	-4GlcA $\beta$ 1-3GalNAc $\beta$ 1-3(GlcNAc $\beta$ 1-4Glc $\beta$ 1-4)GalNAc $\beta$ 1-	Sh. dysenteriae type 8
2107	-2Gal3,4(R Pyr) $\beta$ 1-4Man $\beta$ 1-4Gal $\alpha$ 1-3GlcNAc $\beta$ 1-	Sh. dysenteriae type 9
2201	-3GlcNAc $\beta$ 1-2Rha $\alpha$ 1-2Rha $\alpha$ 1-3(Glc $\alpha$ 1-4)Rha $\alpha$ 1-	Sh. flexneri type 2a
2202	-3GlcNAc $\beta$ 1-2(Glc $\alpha$ 1-3)Rha $\alpha$ 1-2Rha $\alpha$ 1-3(Glc $\alpha$ 1-4)Rha $\alpha$ 1-	Sh. flexneri type 2b
2203	-3GlcNAc $\beta$ 1-2(Glc $\alpha$ 1-3)Rha $\alpha$ 1-2Rha $\alpha$ 1-3Rha2Ac $\alpha$ 1-	Sh. flexneri type 3a
2204	-2Rha $\alpha$ 1-2Rha $\alpha$ 1-3Rha2Ac $\alpha$ 1-3GlcNAc $\beta$ 1-	Sh. flexneri type 3b
2205	-3(Glc $\alpha$ 1-6)GlcNAc $\beta$ 1-2Rha $\alpha$ 1-2Rha $\alpha$ 1-3Rha $\alpha$ 1-	Sh. flexneri type 4a
2206	-3(Glc $\alpha$ 1-6)GlcNAc $\beta$ 1-2Rha $\alpha$ 1-2Rha $\alpha$ 1-3Rha2Ac $\alpha$ 1-	Sh. flexneri type 4b
2207	-3GlcNAc $\beta$ 1-2Rha $\alpha$ 1-2(Glc $\alpha$ 1-3)Rha $\alpha$ 1-3Rha $\alpha$ 1-	Sh. flexneri type 5a
2208	-3GlcNAc $\beta$ 1-2(Glc $\alpha$ 1-3)Rha $\alpha$ 1-2(Glc $\alpha$ 1-3)Rha $\alpha$ 1-3Rha $\alpha$ 1-	Sh. flexneri type 5b
2209	-2Rha3(%)Ac4(%)Ac $\alpha$ 1-2Rha $\alpha$ 1-4GalA $\beta$ 1-3GalNAc $\beta$ 1-	Sh. flexneri type 6
2210	-2Rha3(60%)Ac4(30%)Ac $\alpha$ 1-2Rha $\alpha$ 1-4GalA $\beta$ 1-3GalNAc $\beta$ 1-	Sh. flexneri type 6b
2211	-3GlcNAc $\beta$ 1-2(Glc $\alpha$ 1-3)Rha $\alpha$ 1-2Rha $\alpha$ 1-3Rha $\alpha$ 1-	Sh. flexneri type X
2212	-2Rha $\alpha$ 1-2Rha $\alpha$ 1-3Rha $\alpha$ 1-3GlcNAc $\beta$ 1-	Sh. flexneri type Y
2501	Streptococcus equi sp. hyaluronic acid sodium salt	S. equi sp. hyaluronic acid
3001	-3Glc $\beta$ 1-	S. cerevisiae zymozaan A
3301	-3Glc $\beta$ 1-6Glc $\beta$ 1-	Laminarin
3302	-3Glc $\beta$ 1-	Laminaran
3401	-4Glc $\beta$ 1-4Glc $\beta$ 1-3Glc $\beta$ 1-	bGlucan

9001	-3Glcβ1-3Glcβ1-3(Glcβ1-6)Glcβ1-	Scleroglucan
9002	-3Glcβ1-	Curdlan
9003	-4GlcN(%)Acβ1-	Chitosan

**LEGEND:**

sp1 = ol = aminoalditol

sp2 = C2 = -O(CH<sub>2</sub>)<sub>2</sub>NH<sub>2</sub>

sp3 = C3 = -O(CH<sub>2</sub>)<sub>3</sub>NH<sub>2</sub>

sp4 =Gly = -NHCOCH<sub>2</sub>NH<sub>2</sub>

sp5 =C8 = -O(CH<sub>2</sub>)<sub>3</sub>NH-CO(CH<sub>2</sub>)<sub>5</sub>NH<sub>2</sub>

sp7 = Ph = -OC<sub>6</sub>H<sub>4</sub>-p-NH<sub>2</sub>

sp8 = PEG = -(OCH<sub>2</sub>CH<sub>2</sub>)<sub>6</sub>NH<sub>2</sub>

sp9 = Bn = -OCH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>-p-NHCOCH<sub>2</sub>NH<sub>2</sub>

sp10 = PEG2 = -(OCH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>NH<sub>2</sub>

sp12 = PEG3 = H<sub>2</sub>N-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>3</sub>-CH<sub>2</sub>CH<sub>2</sub>CO

LPS - lipopolysaccharide

sp0 = other spacers:Asn, Ser, C2Et etc.

Ala = alanine

Arg = arginine

Asn = asparagine, NH-CO-CH<sub>2</sub>CH(COOH)NH<sub>2</sub>

Ile = iso-leucine

Nle = norleucine

Ser = serine, -OCH<sub>2</sub>CH(COOH)NH<sub>2</sub>

Trp = tryptophan

Phe = phenylalanine, -COCH(CH<sub>2</sub>C<sub>6</sub>H<sub>5</sub>)NH<sub>2</sub>

C2Et = -O(CH<sub>2</sub>)<sub>2</sub>NHEt

Cit = citrullin

A = Gal

AN = GalNAc

Ch = chito

F = L-Fuc

G = Glc

Gc = glycolyl

GN = GlcNAcβ

R = Rha

i = iso

(fur, f) = furanose cycle

Fm = formyl

Lac = lactose

LN = N-acetyllactosamine

M = Man

MN = ManNAc

Malt = maltose

OS = oligosaccharide

P = phosphate

S = Sia = Neu5Ac $\alpha$

Su = sulfate

Tn = GalNAc $\alpha$

U = uronic acid

D-Fuc3NR Hb = 3,6-dideoxy-3-[(*R*)-3-hydroxybutanoyl]-D-galactose

D-Xlu = D-*threo*-pent-2-ulose (D-xylulose)

8eLeg = 8-epilegionaminic acid

8-Leg = 8-legionaminic acid

L-Ido = L-iduronic acid

D-aThr = D-allothreonine

Dhpa = (2*R*,4*R*)-2,4-dihydroxypentanoic acid

L-6dTal = 6-deoxy-L-talose

HEP = L-glycero-D-manno-heptopyranose