

NCFG SBA DEFINED GLYCAN ARRAY v1

#	COMMON NAME	COMPANY	STRUCTURE*
1	Gb3	Glycohub, Inc.	Gal α 1-4Gal β 1-4Glc-AEAB
2	Gb4	Glycohub, Inc.	GalNAc β 1-3Gal α 1-4Gal β 1-4Glc-AEAB
3	Gb5	Glycohub, Inc.	Gal β 1-3GalNAc β 1-3Gal α 1-4Gal β 1-4Glc-AEAB
4	iGb3	Glycohub, Inc.	Gal α 1-3Gal β 1-4Glc-AEAB
5	iGb4	Glycohub, Inc.	GalNAc β 1-3Gal α 1-3Gal β 1-4Glc-AEAB
6	iGb5	Glycohub, Inc.	Gal β 1-3GalNAc β 1-3Gal α 1-3Gal β 1-4Glc-AEAB
7	Ac-iGb5	Glycohub, Inc.	Neu5Ac α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-3Gal β 1-4Glc-AEAB
8	Gc-iGb5	Glycohub, Inc.	Neu5Gc α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-3Gal β 1-4Glc-AEAB
9	Kdn-iGb5	Glycohub, Inc.	Kdn α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-3Gal β 1-4Glc-AEAB
10	8MeAc-iGb5	Glycohub, Inc.	Neu5Ac8Me α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-3Gal β 1-4Glc-AEAB
11	Ac-Gb5	Glycohub, Inc.	Neu5Ac α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-4Gal β 1-4Glc-AEAB
12	Gc-Gb5	Glycohub, Inc.	Neu5Gc α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-4Gal β 1-4Glc-AEAB
13	Kdn-Gb5	Glycohub, Inc.	Kdn α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-4Gal β 1-4Glc-AEAB
14	8MeAc-Gb5	Glycohub, Inc.	Neu5Ac8Me α 2-3Gal β 1-3GalNAc β 1-3Gal α 1-4Gal β 1-4Glc-AEAB
15	Lc3	Glycohub, Inc.	GlcNAc β 1-3Gal β 1-4Glc-AEAB
16	LNnT	Glycohub, Inc.	Gal β 1-4GlcNAc β 1-3Gal β 1-4Glc-AEAB
17	LNT	Glycohub, Inc.	Gal β 1-3GlcNAc β 1-3Gal β 1-4Glc-AEAB
18	FucLNnT	Glycohub, Inc.	Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4Glc-AEAB
19	Ac-FucLNnT	Glycohub, Inc.	Neu5Ac α 2-3Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4Glc-AEAB
20	Gc-FucLNnT	Glycohub, Inc.	Neu5Gc α 2-3Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4Glc-AEAB
21	8MeAc-FucLNnT	Glycohub, Inc.	Neu5Ac8Me α 2-3Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4Glc-AEAB
22	Kdn-FucLNnT	Glycohub, Inc.	Kdn α 2-3Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4Glc-AEAB
23	Ac-LNT	Glycohub, Inc.	Neu5Ac α 2-3Gal β 1-3GlcNAc β 1-3Gal β 1-4Glc-AEAB
24	Gc-LNT	Glycohub, Inc.	Neu5Gc α 2-3Gal β 1-3GlcNAc β 1-3Gal β 1-4Glc-AEAB
25	8MeAc-LNT	Glycohub, Inc.	Neu5Ac8Me α 2-3Gal β 1-3GlcNAc β 1-3Gal β 1-4Glc-AEAB
26	Kdn-LNT	Glycohub, Inc.	Kdn α 2-3Gal β 1-3GlcNAc β 1-3Gal β 1-4Glc-AEAB
27	Ac-LNnT	Glycohub, Inc.	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4Glc-AEAB
28	Gc-LNnT	Glycohub, Inc.	Neu5Gc α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4Glc-AEAB
29	8MeAc-LNnT	Glycohub, Inc.	Neu5Ac8Me α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4Glc-AEAB
30	Kdn-LNnT	Glycohub, Inc.	Kdn α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4Glc-AEAB
31	Ac-GM3	Glycohub, Inc.	Neu5Ac α 2-3Gal β 1-4Glc-AEAB
32	Gc-GM3	Glycohub, Inc.	Neu5Gc α 2-3Gal β 1-4Glc-AEAB
33	8MeAc-GM3	Glycohub, Inc.	Neu5Ac8Me α 2-3Gal β 1-4Glc-AEAB
34	Kdn-GM3	Glycohub, Inc.	Kdn α 2-3Gal β 1-4Glc-AEAB
35	Ac-GM1	Glycohub, Inc.	Neu5Ac α 2-3(Gal β 1-3GalNAc β 1-4)Gal β 1-4Glc-AEAB
36	Gc-GM1	Glycohub, Inc.	Neu5Gc α 2-3(Gal β 1-3GalNAc β 1-4)Gal β 1-4Glc-AEAB
37	Ac-GM2	Glycohub, Inc.	Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
38	Gc-GM2	Glycohub, Inc.	Neu5Gc α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
39	8MeAc-GM2	Glycohub, Inc.	Neu5Ac8Me α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
40	Kdn-GM2	Glycohub, Inc.	Kdn α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
41	8MeAc-GM1	Glycohub, Inc.	Neu5Ac8Me α 2-3(Gal β 1-3GalNAc β 1-4)Gal β 1-4Glc-AEAB
42	Kdn-GM1	Glycohub, Inc.	Kdn α 2-3(Gal β 1-3GalNAc β 1-4)Gal β 1-4Glc-AEAB
43	Ac-Ac-GD3	Glycohub, Inc.	Neu5Ac α 2-8Neu5Ac α 2-3Gal β 1-4Glc-AEAB
44	Kdn-Ac-GD3	Glycohub, Inc.	Kdn α 2-8Neu5Ac α 2-3Gal β 1-4Glc-AEAB
45	Kdn-Gc-GD3	Glycohub, Inc.	Kdn α 2-8Neu5Gc α 2-3Gal β 1-4Glc-AEAB
46	Ac-Kdn-GD3	Glycohub, Inc.	Neu5Ac α 2-8Kdn α 2-3Gal β 1-4Glc-AEAB
47	Kdn-Kdn-GD3	Glycohub, Inc.	Kdn α 2-8Kdn α 2-3Gal β 1-4Glc-AEAB
48	Gc-Ac-GD3	Glycohub, Inc.	Neu5Gc α 2-8Neu5Ac α 2-3Gal β 1-4Glc-AEAB
49	Gc-Gc-GD3	Glycohub, Inc.	Neu5Gc α 2-8Neu5Gc α 2-3Gal β 1-4Glc-AEAB
50	Gc-Kdn-GD3	Glycohub, Inc.	Neu5Gc α 2-8Kdn α 2-3Gal β 1-4Glc-AEAB
51	Kdn-Kdn-GD2	Glycohub, Inc.	Kdn α 2-8Kdn α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
52	Ac-Ac-GD2	Glycohub, Inc.	Neu5Ac α 2-8Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
53	Kdn-Ac-GD2	Glycohub, Inc.	Kdn α 2-8Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
54	Gc-Kdn-GD2	Glycohub, Inc.	Neu5Gc α 2-8Kdn α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
55	Kdn-Gc-GD2	Glycohub, Inc.	Kdn α 2-8Neu5Gc α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
56	Gc-Ac-GD2	Glycohub, Inc.	Neu5Gc α 2-8Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB
57	Ac-Gc-GD2	Glycohub, Inc.	Neu5Ac α 2-8Neu5Gc α 2-3(GalNAc β 1-4)Gal β 1-4Glc-AEAB

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58	Gc-Gc-GD2	Glycohub, Inc.	Neu5Gca2-8Neu5Gca2-3(GalNAcβ1-4)Galβ1-4Glc-AEAB
59	Kdn-Kdn-GD1a	Glycohub, Inc.	Kdna2-8Kdna2-3(Galβ1-3GalNAcβ1-4)Galβ1-4Glc-AEAB
60	Ac-Ac-GD1a	Glycohub, Inc.	Neu5Aca2-8Neu5Aca2-3(Galβ1-3GalNAcβ1-4)Galβ1-4Glc-AEAB
61	Kdn-Gc-GD1a	Glycohub, Inc.	Kdna2-8Neu5Gca2-3(Galβ1-3GalNAcβ1-4)Galβ1-4Glc-AEAB
62	Gc-Ac-GD1a	Glycohub, Inc.	Neu5Gca2-8Neu5Aca2-3(Galβ1-3GalNAcβ1-4)Galβ1-4Glc-AEAB
63	Gc-Gc-GD1a	Glycohub, Inc.	Neu5Gca2-8Neu5Gca2-3(Galβ1-3GalNAcβ1-4)Galβ1-4Glc-AEAB
64	Tn-Ser	Life Bioscience	GalNAcα1-Ser
65	Tn-Thr	Life Bioscience	GalNAcα1-Thr
66	T-Ser	Life Bioscience	Galβ1-3GalNAcα1-Ser
67	T-Thr	Life Bioscience	Galβ1-3GalNAcα1-Thr
68	Core 2-Ser	Life Bioscience	GlcNAcβ1-6(Galβ1-3)GalNAcα1-Ser
69	Core 2-Thr	Life Bioscience	GlcNAcβ1-6(Galβ1-3)GalNAcα1-Thr
70	Core 3-Ser	Life Bioscience	GlcNAcβ1-3GalNAcα1-Ser
71	Core 3-Thr	Life Bioscience	GlcNAcβ1-3GalNAcα1-Thr
72	Core 4-Ser	Life Bioscience	GlcNAcβ1-6(GlcNAcβ1-3)GalNAcα1-Ser
73	Core 4-Thr	Life Bioscience	GlcNAcβ1-6(GlcNAcβ1-3)GalNAcα1-Thr
74	Core 5-Ser	Life Bioscience	GalNAcα1-3GalNAcα1-Ser
75	Core 5-Thr	Life Bioscience	GalNAcα1-3GalNAcα1-Thr
76	Core 6-Ser	Life Bioscience	GlcNAcβ1-6GalNAcα1-Ser
77	Core 6-Thr	Life Bioscience	GlcNAcβ1-6GalNAcα1-Thr
78	Core 7-Ser	Life Bioscience	GalNAcα1-6GalNAcα1-Ser
79	Core 7-Thr	Life Bioscience	GalNAcα1-6GalNAcα1-Thr
80	Core 8-Ser	Life Bioscience	Galα1-3GalNAcα1-Ser
81	Core 8-Thr	Life Bioscience	Galα1-3GalNAcα1-Thr
82	STn-Ser	Life Bioscience	Neu5Aca2-6GalNAcα1-Ser
83	STn-Thr	Life Bioscience	Neu5Aca2-6GalNAcα1-Thr
84	2,3-ST-Ser	Life Bioscience	Neu5Aca2-3Galβ1-3GalNAcα-Ser
85	2,3-ST-Thr	Life Bioscience	Neu5Aca2-3Galβ1-3GalNAcα-Thr
86	Glycopeptide PPA	Life Bioscience	H2N-APGST ¹ APP-NH2 (¹ =GalNAc)
87	Glycopeptide RPAP	Life Bioscience	H2N-TSAPDT ¹ RPAP-NH2 (¹ =GalNAc)
88	GlcNAcβ-Ser	Life Bioscience	GlcNAcβ-Ser
89	GlcNAcβ-Thr	Life Bioscience	GlcNAcβ-Thr
90	Manα-Ser	Life Bioscience	Manα-Ser
91	Manα-Thr	Life Bioscience	Manα-Thr
92	GlcNAcβ1-2Manα-Ser	Life Bioscience	GlcNAcβ1-2Manα-Ser
93	GlcNAcβ1-2Manα-Thr	Life Bioscience	GlcNAcβ1-2Manα-Thr
94	Galβ1-4GlcNAcβ1-2Manα1-Ser	Life Bioscience	Galβ1-4GlcNAcβ1-2Manα1-Ser
95	Galβ1-4GlcNAcβ1-2Manα1-Thr	Life Bioscience	Galβ1-4GlcNAcβ1-2Manα1-Thr
96	Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-Ser	Life Bioscience	Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-Ser
97	Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-Thr	Life Bioscience	Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-Thr
98	GlcNAcβ1-4Manα1-Ser	Life Bioscience	GlcNAcβ1-4Manα1-Ser
99	GlcNAcβ1-4Manα1-Thr	Life Bioscience	GlcNAcβ1-4Manα1-Thr
100	Gb5 Triaose		Galβ1-3GalNAcβ1-3Gal-AEAB
101	Lewis ^b pentaose		Fuca1-2Galβ1-3(Fuca1-4)GlcNAcβ1-3Gal-AEAB
102	LSTa		Neu5Aca2-3Galβ1-3GlcNAcβ1-3Galβ1-4Glc-AEAB
103	LSTd		Neu5Aca2-3Galβ1-4GlcNAcβ1-3Galβ1-4Glc-AEAB
104	GM2		GalNAcβ1-4(Neu5Aca2-3)Galβ1-4Glc-AEAB
105	Blood Group A antigen hexaose type 1		GalNAcα1-3(Fuca1-2)Galβ1-3GlcNAcβ1-3Galβ1-4Glc-AEAB
106	Chitin hexaose		GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ1-4GlcNAc-AEAB

*AEAB: 2-Amino-N-(2-amino-ethyl)-benzamide. Reducing end saccharides undergo ring opening during conjugation with AEAB.