

Table S1, related to Figure 1. Glycans used for glycoconjugate microarray.

Number	Trivial name	Presentation	Glycans	Co.	Cat#
1	α Fuc	PAA	Fuc α 1-PAA	Glycotech	01-007
2	Fuc α 2Gal	PAA	Fuc α 1-2Gal β 1-PAA	Glycotech	01-019
3	Fuc α 3GlcNAc	PAA	Fuc α 1-3GlcNAc β 1-PAA	Glycotech	01-024
4	Fuc α 4GlcNAc	PAA	Fuc α 1-4GlcNAc β 1-PAA	Glycotech	01-025
5	H type1	PAA	Fuc α 1-2Gal β 1-3GlcNAc β 1-PAA	Glycotech	01-037
6	H type2	PAA	Fuc α 1-2Gal β 1-4GlcNAc β 1-PAA	Glycotech	08-034
7	H type3	PAA	Fuc α 1-2Gal β 1-3GalNAc α 1-PAA	Glycotech	08-060
8	A	PAA	GalNAc α 1-3(Fuc α 1-2)Gal β 1-4GlcNAc β 1-PAA	Glycotech	08-091
9	B	PAA	Gal α 1-3(Fuc α 1-2)Gal β 1-4GlcNAc β 1-PAA	Glycotech	08-092
10	Le ^a	PAA	Gal β 1-3(Fuc α 1-4)GlcNAc β 1-PAA	Glycotech	01-035
11	[3S]Le ^a	PAA	(3OSO ₃)Gal β 1-3(Fuc α 1-4)GlcNAc β 1-PAA	Glycotech	01-040
12	Le ^b	PAA	Fuc α 1-2Gal β 1-3(Fuc α 1-4)GlcNAc β 1-PAA	Glycotech	08-042
13	Le ^x	PAA	Gal β 1-4(Fuc α 1-3)GlcNAc β 1-PAA	Glycotech	01-036
14	Le ^y	PAA	Fuc α 1-2Gal β 1-4(Fuc α 1-3)GlcNAc β 1-PAA	Glycotech	08-043
15	α Neu5Ac	PAA	Neu5Ac α 2-PAA	Glycotech	01-012
16	α Neu5Gc	PAA	Neu5Gc α 2-PAA	Glycotech	01-051
17	Sia2	PAA	Neu5Ac α 2-8Neu5Ac α 2-PAA	Glycotech	08-064
18	Sia3	PAA	Neu5Ac α 2-8Neu5Ac α 2-8Neu5Ac α 2-PAA	Glycotech	01-081
19	3'SiaLe ^c	PAA	Neu5Ac α 2-3Gal β 1-3GlcNAc β 1-PAA	Glycotech	01-078
20	3'SL	PAA	Neu5Ac α 2-3Gal β 1-4Glc β 1-PAA	Glycotech	01-038
21	3'SLN	PAA	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-PAA	Glycotech	01-077
22	sLe ^a	PAA	Neu5Ac α 2-3Gal β 1-3(Fuc α 1-4)GlcNAc β 1-PAA	Glycotech	08-044
23	sLe ^x	PAA	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β 1-PAA	Glycotech	01-045
24	6'SL	PAA	Neu5Ac α 2-6Gal β 1-4Glc β 1-PAA	Glycotech	01-039
25	FET	Glycoprotein	Fetuin (Complex-type N-glycans and O-glycans)	Sigma	F3004
26	AGP	Glycoprotein	α 1-acid glycoprotein (Complex-type N-glycans)	Sigma	G9885
27	TF	Glycoprotein	Transferrin (Complex-type N-glycans)	Sigma	T3309
28	TG	Glycoprotein	Porcine thyroglobulin (Complex and high-mannose-type)	Sigma	T1126
29	β Gal	PAA	Gal β 1-PAA	Glycotech	01-004
30	[3S] β Gal	PAA	(3OSO ₃)Gal β 1-PAA	Glycotech	01-015
31	A-di	PAA	GalNAc α 1-3Gal β 1-PAA	Glycotech	01-017
32	Lac	PAA	Gal β 1-4Glc β 1-PAA	Glycotech	01-021
33	Le ^c	PAA	Gal β 1-3GlcNAc β 1-PAA	Glycotech	01-020
34	[3'S]Le ^c	PAA	(3OSO ₃)Gal β 1-3GlcNAc β 1-PAA	Glycotech	01-062
35	LN	PAA	Gal β 1-4GlcNAc β 1-PAA	Glycotech	01-022
36	[3'S]LN	PAA	(3OSO ₃)Gal β 1-4GlcNAc β 1-PAA	Glycotech	01-061
37	[6S]LN	PAA	Gal β 1-4(6OSO ₃)GlcNAc β 1-PAA	Glycotech	01-066
38	[6'S]LN	PAA	(6OSO ₃)Gal β 1-4GlcNAc β 1-PAA	Glycotech	01-068
39	β GalNAc	PAA	GalNAc β 1-PAA	Glycotech	01-011
40	di-GalNAc β	PAA	GalNAc β 1-3GalNAc β 1-PAA	Glycotech	01-070
41	LDN	PAA	GalNAc β 1-4GlcNAc β 1-PAA	Glycotech	01-057
42	GA2	PAA	GalNAc β 1-4Gal β 1-4Glc β 1-PAA	Glycotech	08-074
43	Asialo-FET	Glycoprotein	Asialo fetuin (Desialylated complex-type N- and O-glycans)	Sigma	F3004 (Acid-
44	Asialo-AGP	Glycoprotein	Asialo α 1-acid glycoprotein (Desialylated complex-type N-	Sigma	G9885 (Acid-
45	Asialo-TF	Glycoprotein	Asialo transferrin (Desialylated complex-type N-glycans)	Sigma	T3309 (Acid-
46	Asialo-TG	Glycoprotein	Asialo porcine thyroglobulin (Desialylated complex-type	Sigma	T1126 (Acid-
47	β GlcNAc	PAA	GlcNAc β 1-PAA	Glycotech	01-009
48	[6S] β GlcNAc	PAA	(6OSO ₃)GlcNAc β 1-PAA	Glycotech	01-016
49	Agalacto-Fet	Glycoprotein	Agalacto fetuin (Agalactosylated complex-type N- and O-	Sigma	F3004
50	Agalacto-AGP	Glycoprotein	Agalacto α 1-acid glycoprotein (Agalactosylated complex-	Sigma	G9885
51	Agalacto-TF	Glycoprotein	Agalacto transferrin (Agalactosylated complex-type N-	Sigma	T3309
52	OVN	Glycoprotein	Ovomucoid (Complex-type N-glycans)	Sigma	T2011
53	OVA	Glycoprotein	Ovalbumin (Hybrid-type N-glycans)	Sigma	A2512
54	α Man	PAA	Man α 1-PAA	Glycotech	01-005
55	β Man	PAA	Man β 1-PAA	Glycotech	01-050
56	[6P]Man	PAA	(6OPO ₃)Man α 1-PAA	Glycotech	01-006
57	INV	Glycoprotein	Yeast invertase (High mannose-type N-glycans)	Sigma	I4504
58	Tn	PAA	GalNAc α 1-PAA	Glycotech	01-010
59	Core1	PAA	Gal β 1-3GalNAc α 1-PAA	Glycotech	08-023
60	Core2	PAA	Gal β 1-3(GlcNAc β 1-6)GalNAc α 1-PAA	Glycotech	01-083
61	Core3	PAA	GlcNAc β 1-3GalNAc α 1-PAA	Glycotech	01-071
62	Core4	PAA	GlcNAc β 1-3(GlcNAc β 1-6)GalNAc α 1-PAA	Glycotech	01-089
63	Forssman	PAA	GalNAc α 1-3GalNAc β 1-PAA	Glycotech	01-026
64	Core6	PAA	GlcNAc β 1-6GalNAc α 1-PAA	Glycotech	01-072
65	Core8	PAA	Gal α 1-3GalNAc α 1-PAA	Glycotech	01-028
66	[3'S]Core1	PAA	(3OSO ₃)Gal β 1-3GalNAc α 1-PAA	Glycotech	08-069
67	Gal β -Core3	PAA	Gal β 1-4GlcNAc β 1-3GalNAc α 1-PAA	Glycotech	01-116
68	Asialo-BSM	Glycoprotein	Asialo bovine submaxillary mucin (Tn)	Sigma	M3895 (Acid-
69	Asialo-GP	Glycoprotein	Asialo human glycophorin MN (T)	Sigma	A9791 (Acid-
70	STn	PAA	Neu5Ac α 2-6GalNAc α 1-PAA	Glycotech	01-059
71	STn (Gc)	PAA	Neu5Gc α 2-6GalNAc α 1-PAA	Glycotech	01-107
72	ST	PAA	Neu5Ac α 2-3Gal β 1-3GalNAc α 1-PAA	Glycotech	01-088
73	Sia α 2-6Core 1	PAA	Gal β 1-3(Neu5Ac α 2-6)GalNAc α 1-PAA	Glycotech	01-113
74	BSM	Glycoprotein	Bovine submaxillary mucin (Sialyl Tn)	Sigma	M3895
75	GP	Glycoprotein	Human glycophorin (Disialyl T and sialyl Tn)	Sigma	G5017
76	α Gal	PAA	Gal α 1-PAA	Glycotech	01-003
77	Gal α 1-2Gal	PAA	Gal α 1-2Gal β 1-PAA	Glycotech	01-056
78	Gal α 1-3Gal	PAA	Gal α 1-3Gal β 1-PAA	Glycotech	01-018
79	Gal α 1-3Lac	PAA	Gal α 1-3Gal β 1-4Glc β 1-PAA	Glycotech	01-075
80	Gal α 1-3LN	PAA	Gal α 1-3Gal β 1-4GlcNAc β 1-PAA	Glycotech	01-079
81	Gal α 1-4LN	PAA	Gal α 1-4Gal β 1-4GlcNAc β 1-PAA	Glycotech	01-110
82	Melibiose	PAA	Gal α 1-6Glc β 1-PAA	Glycotech	01-063
83	α Glc	PAA	Glc α 1-PAA	Glycotech	01-001
84	β Glc	PAA	Glc β 1-PAA	Glycotech	01-002
85	Maltose	PAA	Glc α 1-4Glc β 1-PAA	Glycotech	01-054
86	HA	BSA	Hyaluronic acid-BSA	Seikagaku	400720
87	CSA	BSA	Chondroitin Sulfate A-BSA	Seikagaku	400655
88	CSB	BSA	Chondroitin Sulfate B-BSA	Seikagaku	400660
89	HS	BSA	Heparan Sulfate-BSA	Seikagaku	400700
90	HP	BSA	Heparin-BSA	Calbiochem	375095
91	KS	BSA	Keratan Sulfate-BSA	Seikagaku	400760
92	α Rha	PAA	Rhamnose α 1-PAA	Glycotech	01-008
93	Mannan (SC)	Glycoprotein	<i>S. cerevisiae</i> mannan	Sigma	M7504
94	Mannan (CA)	Glycoprotein	<i>C. albicans</i> mannan	Takara	MG001
95	Zymosan	Glycoprotein	Zymosan	Sigma	Z4250
96	Chitobiose	PAA	GlcNAc β 1-4GlcNAc β 1-PAA	Glycotech	08-057
97	BSA	BSA	-	Sigma	A7638
98	Negative PAA	PAA	-	Glycotech	01-000