

Supplemental Table 2. Glycans represented on the CDC glycan microarray.

#	Structure
1	Neu5Ac α
2	Neu5Ac α
3	Neu5Ac β
4	Neu5Ac α 2-3(6-O-Su)Gal β 1-4GlcNAc β
5	Neu5Ac α 2-3Gal β 1-3[6OSO3]GalNAc α
6	Neu5Ac α 2-3Gal β 1-4[6OSO3]GlcNAc β
7	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)[6OSO3]GlcNAc β -propyl-NH ₂
8	Neu5Ac α 2-3Gal β 1-3[6OSO3]GlcNAc-propyl-NH ₂
9	Neu5Ac α 2-3Gal β 1-3(Neu5Ac α 2-3Gal β 1-4)GlcNAc β
10	Neu5Ac α 2-3Gal β 1-3(Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-6)GalNAc α
11	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β
	Neu5Ac α (2-3)-Gal β (1-4)-GlcNAc β (1-3)-Gal β (1-4)-GlcNAc β (1-2)-Man α (1-3)-[Neu5Ac α (2-3)-Gal β (1-4)-GlcNAc β (1-3)-Gal β (1-4)-GlcNAc β (1-2)-Man α (1-6)]-Man β (1-4)-GlcNAc β (1-4)-GlcNAc β
12	
13	Neu5Ac α 2-3Gal β
14	Neu5Ac α 2-3Gal β 1-3GalNAc α
15	Neu5Ac α 2-3Gal β 1-3GlcNAc β
16	Neu5Ac α 2-3Gal β 1-3GlcNAc β
17	Neu5Ac α 2-3Gal β 1-4Glc β
18	Neu5Ac α 2-3Gal β 1-4Glc β
19	Neu5Ac α 2-3Gal β 1-4GlcNAc β
20	Neu5Ac α 2-3Gal β 1-4GlcNAc β
21	Neu5Ac α 2-3GalNAc β 1-4GlcNAc β
22	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β
23	Neu5Ac α 2-3Gal β 1-3GlcNAc β 1-3Gal β 1-4GlcNAc β
24	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β
25	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-3GlcNAc β
26	Neu5Ac α 2-3Gal β 1-3GalNAc α
27	Gal β 1-3(Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β 1-6)GalNAc α
28	Neu5Ac α 2-3Gal β 1-3(Fuc α 1-4)GlcNAc β
29	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β
30	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β
31	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β 1-3Gal β

32 Neu5Ac α 2-3Gal β 1-3[Fuca1-4]GlcNAc β 1-3Gal β 1-4[Fuca1-3]GlcNAc β
33 Neu5Ac α 2-3Gal β 1-3[Fuca1-3]GlcNAc β 1-3Gal β 1-4[Fuca1-3]GlcNAc β
34 Neu5Ac α 2-3Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4(Fuca1-3)GlcNAc β
35 Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4GlcNAc β
36 Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4GlcNAc β
37 Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc β
38 Gal β 1-3GalNAc β 1-4(Neu5Ac α 2-3)Gal β 1-4Glc β
39 Fuca1-2Gal β 1-3GalNAc β 1-4(Neu5Ac α 2-3)Gal β 1-4Glc β
40 Fuca1-2Gal β 1-3GalNAc β 1-4(Neu5Ac α 2-3)Gal β 1-4Glc β
41 Neu5Ac α 2-6Gal β 1-4[6OSO3]GlcNAc β
42 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-3(Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β
43 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β
44 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-2Man α 1-3[Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-2Man α 1-6]Man β 1-4GlcNAc β 1-4GlcNAc β
45 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-2Man α 1-3[Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-2Man α 1-6]-Man β 1-4GlcNAc β 1-4GlcNAc β
46 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3[Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-6]GalNAca
47 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3[Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-6]GalNAca
48 Neu5Ac α 2-6GalNAca
49 Neu5Ac α 2-6Gal β
50 Neu5Ac α 2-6Gal β 1-4Glc β
51 Neu5Ac α 2-6Gal β 1-4Glc β
52 Neu5Ac α 2-6Gal β 1-4GlcNAc β
53 Neu5Ac α 2-6Gal β 1-4GlcNAc β
54 Neu5Ac α 2-6GalNAc β 1-4GlcNAc β
55 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3GalNAca
56 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β
57 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3GalNAca
58 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β
59 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4(Fuca1-3)GlcNAc β 1-3Gal β 1-4(Fuca1-3)GlcNAc β
60 Gal β 1-3(Neu5Ac α 2-6)GlcNAc β 1-4Gal β 1-4Glc β -Sp10
61 Neu5Ac α 2-6[Gal β 1-3]GalNAca
62 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-6[Gal β 1-3]GalNAca
63 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-6[Gal β 1-3]GalNAca

64 Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β

65 Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β

66 Neu5Ac α 2-3Gal β 1-3(Neu5Ac α 2-6)GalNAc α

67 Neu5Ac α 2-3(Neu5Ac α 2-6)GalNAc α

68 Neu5Gc α

69 Neu5Gc α 2-3Gal β 1-3(Fuca1-4)GlcNAc β

70 Neu5Gc α 2-3Gal β 1-3GlcNAc β

71 Neu5Gc α 2-3Gal β 1-4(Fuca1-3)GlcNAc β

72 Neu5Gc α 2-3Gal β 1-4GlcNAc β

73 Neu5Gc α 2-6GalNAc α

74 Neu5Gc α 2-6Gal β 1-4GlcNAc β

75 Neu5Ac α 2-8Neu5Ac α

76 Neu5Ac α 2-8Neu5Ac α 2-8Neu5Ac α

77 Neu5Ac α 2-8Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc β

78 Neu5Ac α 2-8Neu5Ac α 2-3Gal β 1-4Glc β

79 Neu5Ac α 2-8Neu5Ac α 2-8Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc β

80 Neu5Ac α 2-8Neu5Ac α 2-8Neu5Ac α 2-3Gal β 1-4Glc β

81 Neu5Ac α 2-8Neu5Ac β -Sp17

82 Neu5Ac α 2-8Neu5Ac α 2-8Neu5Ac β

83 Neu5Ac β 2-6GalNAc α

84 Neu5Ac β 2-6Gal β 1-4GlcNAc β

85 Neu5Gc β 2-6Gal β 1-4GlcNAc

86 Gal β 1-3(Neu5Ac β 2-6)GalNAc α

87 [9NAc]Neu5Ac α

88 [9NAc]Neu5Ac α 2-6Gal β 1-4GlcNAc β

89 Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β

90 Gal β 1-3GlcNAc β 1-3Gal β 1-3GlcNAc β

91 Gal β 1-4GlcNAc β 1-2Man α 1-3[Gal β 1-4GlcNAc β 1-2Man α 1-6]Man β 1-4GlcNAc β 1-4GlcNAc β

92 GalNAc α 1-3(Fuca1-2)Gal β 1-3GlcNAc β

93 GalNAc α 1-3(Fuca1-2)Gal β 1-4GlcNAc β

94 Gal α 1-3(Fuca1-2)Gal β 1-3GlcNAc β

95 Gal α 1-3(Fuca1-2)Gal β 1-4(Fuca1-3)GlcNAc β

96 Gal β 1-3GalNAc α