

S1 Table. The list of sugar chains tested.

number	sugar chain	number	sugar chain
1	Glc α 1-4Glc	25	GalNAc α 1-6Glc
2	Glc α 1-4Glc α 1-4Glc	26	GalNAc β 1-3Gal
3	Glc α 1-6Glc	27	NeuAc α 2-3Gal β 1-4Glc
4	Glc α 1-6Glc α 1-6Glc	28	NeuAc α 2-3Gal β 1-4GlcNAc
5	Glc β 1-3Glc β 1-3Glc	29	NeuAc α 2-3Gal β 1-3GlcNAc β 1-6Glc
6	Glc β 1-4Glc	30	NeuAc α 2-3Gal β 1-4GlcNAc β 1-6Glc
7	Glc β 1-6Glc	31	NeuAc α 2-6Gal β 1-4Glc
8	Gal α 1-6Glc	32	NeuAc α 2-6Gal β 1-3GlcNAc β 1-6Glc
9	Gal α 1-4Gal β 1-4Glc	33	NeuAc α 2-6Gal β 1-4GlcNAc β 1-6Glc
10	Gal β 1-3GalNAc α 1-6Glc	34	NeuAc α 2-6GalNAc α 1-6Glc
11	Gal β 1-4GlcNAc β 1-6Glc	35	Chondroitin
12	Gal β 1-4Glc	36	Chondroitin sulfate A
13	Gal β 1-4(Fuc α 1-3)GlcNAc β 1-3Gal β 1-4Glc	37	Chondroitin sulfate B
14	Man α 1-2Man	38	Chondroitin sulfate C
15	Man α 1-3Man α 1-6Man	39	Chondroitin sulfate D
16	Man α 1-6Man	40	Chondroitin sulfate E
17	Fuc α 1-2Gal β 1-4Glc	41	GlcNS6S α 1-4GlcA β 1-6Glc
18	Fuc α 1-6Glc	42	GlcNS6S α 1-4IdA2S α 1-6Glc
19	Fuc β 1-6Glc	43	GlcNS α 1-4GlcA β 1-6Glc
20	Xyl β 1-6Glc	44	GlcNS α 1-4IdA2S α 1-6Glc
21	GlcNAc α 1-6Glc	45	GlcA β 1-3GalNAc4S6S β 1-6Glc
22	GlcNAc β 1-4GlcNAc	46	Heparin
23	GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4Glc	47	LMW Dextran sulfate
24	GlcNAc β 1-6Glc	48	CM-chitin

Note that ring structures of sugars at reducing-ends were lost during reductive amination to prepare sugar chain ligand-likers conjugate.