

Supplementary Table 3. Lectins used in the 96-plex lectin microarray.

Name	Species	Origin	Glycan specificity ^{1,2}
1 LFA	<i>Limax flavus</i>	Natural	Sia
2 WGA	<i>Triticum vulgare</i>	Natural	(GlcNAc) _n , polySia
3 PVL	<i>Psathyrella velutina</i>	Natural	Sia, GlcNAc
4 MAL	<i>Maackia amurensis</i>	Natural	α2-3Sia
5 MAH	<i>Maackia amurensis</i>	Natural	α2-3Sia
6 ACG	<i>Agroclybe cylindracea</i>	Natural	α2-3Sia
7 rACG	<i>Agroclybe cylindracea</i>	Recombinant	α2-3Sia
8 rGal8N	<i>Homo sapiens</i>	Recombinant	α2-3Sia
9 SNA	<i>Sambucus nigra</i>	Natural	α2-6Sia
10 SSA	<i>Sambucus sieboldiana</i>	Natural	α2-6Sia
11 TJAI	<i>Trichosanthes japonica</i>	Natural	α2-6Sia
12 rPSL1a	<i>Polyporus squamosus</i>	Recombinant	α2-6Sia
13 PHAL	<i>Phaseolus vulgaris</i>	Natural	GlcNAcβ1-6Man (Tetraantenna)
14 DSA	<i>Datura stramonium</i>	Natural	GlcNAcβ1-6Man (Tetraantenna)
15 TxLcI	<i>Tulipa gesneriana</i>	Natural	Galactosylated N-glycans up to triantenna
16 ECA	<i>Erythrina cristagalli</i>	Natural	βGal
17 RCA120	<i>Ricinus communis</i>	Natural	βGal
18 rGal7	<i>Homo sapiens</i>	Recombinant	Type1 LacNAc, chondroitin polymer
19 rGal9N	<i>Homo sapiens</i>	Recombinant	GalNAcα1-4Gal (A), PolyLacNAc
20 rGal9C	<i>Homo sapiens</i>	Recombinant	PolyLacNAc, Branched LacNAc
21 rC14	<i>Gallus gallus domesticus</i>	Recombinant	Branched LacNAc
22 rDiscoidin II	<i>Dictyostelium discoideum</i>	Recombinant	LacNAc, Galβ1-3GalNAc (T), GalNAc (Tn)
23 BPL	<i>Bauhinia purpurea alba</i>	Natural	Galβ1-3GlcNAc(GalNAc), αβGalNAc
24 rCGL2	<i>Homo sapiens</i>	Recombinant	GalNAcα1-3Gal (A), PolyLacNAc
25 PHAE	<i>Phaseolus vulgaris</i>	Natural	bisecting GlcNAc
26 GSLII	<i>Griffonia simplicifolia</i>	Natural	GlcNAcβ1-4Man
27 rSRL	<i>Sclerotium rotsii</i>	Recombinant	Galβ1-3GalNAc (T), GalNAcα (Tn)
28 UDA	<i>Urtica dioica</i>	Natural	(GlcNAc) _n
29 PWM	<i>Phytolacca americana</i>	Natural	(GlcNAc) _n
30 rF17AG	<i>Escherichia coli</i>	Recombinant	GlcNAc
31 rGRFT	<i>Griffithia sp.</i>	Recombinant	Man
32 NPA	<i>Narcissus pseudonarcissus</i>	Natural	Manα1-3Man
33 ConA	<i>Canavalia ensiformis</i>	Natural	M3, Manα1-2Manα1-3(Manα1-6)Man, GlcNAcβ1-2Manα1-3(Manα1-6)Man
34 GNA	<i>Galanthus nivalis</i>	Natural	Manα1-3Man, Manα1-6Man
35 HHL	<i>Hippeastrum hybrid</i>	Natural	Manα1-3Man, Manα1-6Man
36 ASA	<i>Allium sativum</i>	Natural	Galβ1-4GlcNAcβ1-2Man
37 DBAI	<i>Dioscorea batatas</i>	Natural	High-man
38 CCA	<i>Castanea crenata</i>	Natural	Galactosylated N-glycans up to triantenna
39 Helituba	<i>Helianthus tuberosus</i>	Natural	Manα1-3Man
40 rHelituba	<i>Helianthus tuberosus</i>	Recombinant	Manα1-3Man
41 ADA	<i>Allomyrina dictyoma</i>	Natural	α2-6Sia, Forssman, A, B
42 VVAII	<i>Vicia villosa</i>	Natural	Man, Agalacto
43 rOryzata	<i>Oryza sativa</i>	Recombinant	Manα1-3Man, Highman, biantenna
44 rPALa	<i>Phlebotomus aureum</i>	Recombinant	Man5, biantenna
45 rBanana	<i>Musa acuminata</i>	Recombinant	Manα1-2Manα1-3(6)Man
46 rCalsepa	<i>Calystegia sepium</i>	Recombinant	Biantenna with bisecting GlcNAc
47 rSL	<i>Ralstonia solanacearum</i>	Recombinant	αMan, α1-2Fuc (H), α1-3Fuc (Le ^a), α1-4Fuc (Le ^b)
48 rBC2LA	<i>Burkholderia cenocepacia</i>	Recombinant	αMan, High-man
49 AOL	<i>Aspergillus oryzae</i>	Natural	α1-6Fuc (Core), α1-2Fuc (H), α1-3Fuc (Le ^a), α1-3Fuc (Le ^b)
50 AAL	<i>Aleuria aurantia</i>	Natural	α1-6Fuc (Core), α1-2Fuc (H), α1-3Fuc (Le ^a), α1-3Fuc (Le ^b)
51 rAAL	<i>Aleuria aurantia</i>	Recombinant	α1-6Fuc (Core), α1-2Fuc (H), α1-3Fuc (Le ^a), α1-3Fuc (Le ^b)
52 rPAII	<i>Pseudomonas aeruginosa</i>	Recombinant	αMan, α1-2Fuc (H), α1-3Fuc (Le ^a), α1-4Fuc (Le ^b)
53 rSIIL	<i>Ralstonia solanacearum</i>	Recombinant	α1-2Fuc (H), α1-3Fuc (Le ^a), α1-3Fuc (Le ^b)
54 PTL	<i>Pholiota terrestris</i>	Recombinant	α1-6Fuc
55 PSA	<i>Pisum sativum</i>	Natural	α1-6Fuc up to biantenna
56 LCA	<i>Lens culinaris</i>	Natural	α1-6Fuc up to biantenna
57 rAOL	<i>Aspergillus oryzae</i>	Recombinant	α1-2Fuc (H), α1-3Fuc (Lex), α1-3Fuc (Lea)
58 rBC2LCN	<i>Burkholderia cenocepacia</i>	Recombinant	Fuc α1-2Galβ1-3GlcNAc (GalNAc)
59 LTL	<i>Lotus tetragonolobus</i>	Natural	Fuc (Le ^a , Le ^b)
60 UEAI	<i>Ulex europaeus</i>	Natural	α1-2Fuc
61 TJAI	<i>Trichosanthes japonica</i>	Natural	α1-2Fuc
62 MCA	<i>Momordica charantia</i>	Natural	α1-2Fuc
63 GSLI	<i>Griffonia simplicifolia</i>	Natural	αGalNAc (A, Tn), αGal (B)
64 PTU	<i>Psophocarpus tetragonolobus</i>	Natural	αGalNAc (A, Tn)
65 GSLIA4	<i>Griffonia simplicifolia</i>	Natural	αGalNAc (A, Tn)
66 rGC2	<i>Geodia cydonium</i>	Recombinant	α1-2Fuc (H), αGalNAc (A), αGal (B)
67 GSLIB4	<i>Griffonia simplicifolia</i>	Natural	αGal (B)
68 rMOA	<i>Marasmius cretades</i>	Recombinant	αGal (B)
69 EEL	<i>Euonymus europaeus</i>	Natural	αGal (B)
70 rPAII	<i>Pseudomonas aeruginosa</i>	Recombinant	αβGal, αGalNAc (Tn)
71 LEL	<i>Lycopersicon esculentum</i>	Natural	Polyactosamine, (GlcNAc) _n
72 STL	<i>Solanum tuberosum</i>	Natural	Polyactosamine, (GlcNAc) _n
73 rGal3C	<i>Homo sapiens</i>	Recombinant	LacNAc, polyactosamine
74 rLSLN	<i>Laetiporus sulphureus</i>	Recombinant	LacNAc, polyactosamine
75 rCGL3	<i>Coprinopsis cinerea</i>	Recombinant	LacDINAc
76 PNA	<i>Arachis hypogaea</i>	Natural	Galβ1-3GalNAc (T), GalNAcα (Tn)
77 ACA	<i>Amaranthus caudatus</i>	Natural	Galβ1-3GalNAc (T), GalNAcα (Tn)
78 HEA	<i>Helicium erinaceum</i>	Natural	Galβ1-3GalNAc (T)
79 ABA	<i>Agaricus bisporus</i>	Natural	Galβ1-3GalNAc (T), GlcNAc
80 Jacalin	<i>Artocarpus integrifolia</i>	Natural	Galβ1-3GalNAc (T), GalNAcα (Tn)
81 MPA	<i>Maclura pomifera</i>	Natural	Galβ1-3GalNAc (T), GalNAcα (Tn)
82 HPA	<i>Helix pomatia</i>	Natural	αGalNAc (A, Tn)
83 VVA	<i>Vicia villosa</i>	Natural	αβGalNAc (A, Tn, LacDINAc)
84 DBA	<i>Dolichos biflorus</i>	Natural	αβGalNAc (A, Tn, LacDINAc)
85 SBA	<i>Glycine max</i>	Natural	αβGalNAc (A, Tn, LacDINAc)
86 rPPL	<i>Pleurocybella porrigens</i>	Recombinant	αβGalNAc (A, Tn, LacDINAc)
87 rCNL	<i>Clitocybe nebularis</i>	Recombinant	αβGalNAc (A, Tn, LacDINAc)
88 rXCL	<i>Xerocomus chrysenteron</i>	Recombinant	Core1,3, agalacto N-glycan
89 VVA I	<i>Vicia villosa</i>	Natural	GalNAcβ1-3(4)Gal
90 WFA	<i>Wisteria floribunda</i>	Natural	Terminal GalNAc, LacDINAc
91 rABA	<i>Agaricus bisporus</i>	Recombinant	Galβ1-3GalNAc (T), GlcNAc
92 rDiscoidin I	<i>Dictyostelium Discoideum</i>	Recombinant	Gal
93 DBAII	<i>Dioscorea batatas</i>	Natural	Maltose
94 rMlectin	<i>Homo sapiens</i>	Recombinant	Glcα1-2Glc
95 CSA	<i>Oncorhynchus keta</i>	Natural	Rhamnose, Galα1-4Gal
96 FLAG-EW29Ch-E20r	<i>Lumbricus terrestris</i>	Recombinant	6-sulfo-Gal

¹Abbreviations: Gal (D-galactose), GalNAc (N-acetyl-galactosamine), GlcNAc (N-acetyl-glucosamine), Fuc (L-fucose), Glc (D-glucose), Sia (Sialic acid), LacNAc (N-acetyl-lactosamine).²Specificity data was obtained by frontal affinity chromatography and glycoconjugate microarray.