

**Supplementary Table 2. Lectins used in the 45-plex lectin microarray**

Name	Species	Origin	Glycan specificity <sup>1,2</sup>
1 LTL	<i>Lotus tetragonolobus</i>	Natural	Fuc (Le <sup>x</sup> , Le <sup>y</sup> )
2 PSA	<i>Pisum sativum</i>	Natural	α1-6Fuc up to biantenna
3 LCA	<i>Lens culinaris</i>	Natural	α1-6Fuc up to biantenna
4 UEAI	<i>Ulex europaeus</i>	Natural	α1-2Fuc
5 AOL	<i>Aspergillus oryzae</i>	Recombinant	α1-6Fuc (Core), α1-2Fuc (H), α1-3Fuc (Le <sup>x</sup> ), α1-3Fuc (Le <sup>a</sup> )
6 AAL	<i>Aleuria aurantia</i>	Natural	α1-6Fuc (Core), α1-2Fuc (H), α1-3Fuc (Le <sup>x</sup> ), α1-3Fuc (Le <sup>a</sup> )
7 MAL	<i>Maackia amurensis</i>	Natural	α2-3Sia
8 SNA	<i>Sambucus nigra</i>	Natural	α2-6Sia
9 SSA	<i>Sambucus sieboldiana</i>	Natural	α2-6Sia
10 TJAI	<i>Trichosanthes japonica</i>	Natural	α2-6Sia
11 PHAL	<i>Phaseolus vulgaris</i>	Natural	GlcNAcβ1-6Man (Tetraantenna)
12 ECA	<i>Erythrina cristagalli</i>	Natural	βGal
13 RCA120	<i>Ricinus communis</i>	Natural	βGal
14 PHAE	<i>Phaseolus vulgaris</i>	Natural	bisecting GlcNAc
15 DSA	<i>Datura stramonium</i>	Natural	GlcNAcβ1-6Man (Tetraantenna)
16 GSLII	<i>Griffonia simplicifolia</i>	Natural	GlcNAcβ1-4Man
17 NPA	<i>Narcissus pseudonarcissus</i>	Natural	Manα1-3Man
18 ConA	<i>Canavalia ensiformis</i>	Natural	M3, Manα1-2Manα1-3(Manα1-6)Man, GlcNAcβ1-2Manα1-3(Manα1-6)Man
19 GNA	<i>Galanthus nivalis</i>	Natural	Manα1-3Man, Manα1-6Man
20 HHL	<i>Hippeastrum hybrid</i>	Natural	Manα1-3Man, Manα1-6Man
21 ACG	<i>Agroclype cylindracea</i>	Natural	α2-3Sia
22 TxLcl	<i>Tulipa gesneriana</i>	Natural	Galactosylated N-glycans up to triantenna
23 BPL	<i>Bauhinia purpurea alba</i>	Natural	Galβ1-3GlcNAc(GalNAc), α/βGalNAc
24 TJAI	<i>Trichosanthes japonica</i>	Natural	α1-2Fuc
25 EEL	<i>Euonymus europaeus</i>	Natural	αGal (B)
26 ABA	<i>Agaricus bisporus</i>	Natural	Galβ1-3GalNAc (T), GlcNAc
27 LEL	<i>Lycopersicon esculentum</i>	Natural	Polylactosamine, (GlcNAc) <sub>n</sub>
28 STL	<i>Solanum tuberosum</i>	Natural	Polylactosamine, (GlcNAc) <sub>n</sub>
29 UDA	<i>Urtica dioica</i>	Natural	(GlcNAc) <sub>n</sub>
30 PWM	<i>Phytolacca americana</i>	Natural	(GlcNAc) <sub>n</sub>
31 Jacalin	<i>Artocarpus integrifolia</i>	Natural	Galβ1-3GalNAc (T), GalNAcα (Tn)
32 PNA	<i>Arachis hypogaea</i>	Natural	Galβ1-3GalNAc (T)
33 WFA	<i>Wisteria floribunda</i>	Natural	Terminal GalNAc, LacDiNAc
34 ACA	<i>Amaranthus caudatus</i>	Natural	Galβ1-3GalNAc (T), GalNAcα (Tn)
35 MPA	<i>Maclura pomifera</i>	Natural	Galβ1-3GalNAc (T), GalNAcα (Tn)
36 HPA	<i>Helix pomatia</i>	Natural	αGalNAc (A, Tn)
37 VVA	<i>Vicia villosa</i>	Natural	α,βGalNAc (A, Tn, LacDiNAc)
38 DBA	<i>Dolichos biflorus</i>	Natural	α,βGalNAc (A, Tn, LacDiNAc)
39 SBA	<i>Glycine max</i>	Natural	α,βGalNAc (A, Tn, LacDiNAc)
40 Calsepa	<i>Calystegia sepium</i>	Natural	Biantenna with bisecting GlcNAc
41 PTL I	<i>Psophocarpus tetragonolobus</i>	Natural	αGalNAc (A, Tn)
42 MAH	<i>Maackia amurensis</i>	Natural	α2-3Sia
43 WGA	<i>Triticum vulgaris</i>	Natural	(GlcNAc) <sub>n</sub> , polySia
44 GSLIA4	<i>Griffonia simplicifolia</i>	Natural	αGalNAc (A, Tn)
45 GSLIB4	<i>Griffonia simplicifolia</i>	Natural	αGal (B)

<sup>1</sup>Abbreviations: Gal (D-galactose), GalNAc (N-acetyl-galactosamine), GlcNAc (N-acetyl-glucosamine), Fuc (L-fucose), Glc (D-glucose), Sia (Sialic acid), LacNAc (N-acetyl-lactosamine).

<sup>2</sup>Specificity data was obtained by frontal affinity chromatography and glycoconjugate microarray.