Table S1. Reported glycan selectivity of the 45 lectins used in this study

No.	Lectin (*origin*)	Reported glycan selectivity
1	LTL (*Lotus tetragonolobus*)	Fucα1-3(Galβ1-4)GlcNAc (Lewis x), Fucα1-2Galβ1-4GlcNAc (H-type 2)
2	PSA (*Pisum sativum*)	Fucα1-6GlcNAc (Core Fuc), α-Man
3	LCA (*Lens culinaris*)	Fucα1-6GlcNAc (Core Fuc), α-Man
4	UEA-I (*Ulex europaeus*)	Fucα1-2Galβ1-4GlcNAc (H-type 2)
5	AOL (*Aspergillus oryzae*)	Fucα1-6GlcNAc (Core Fuc), Fucα1-2Galβ1-4GlcNAc (H-type 2)
6	AAL (*Aleuria aurantia*)	Fucα1-3(Galβ1-4) GlcNAc (Lewis x), Fucα1-6GlcNAc (Core Fuc)
7	MAL_I (*Maackia amurensis*)	Siaα2-3Galβ1-4GlcNAc
8	SNA (*Sambucus nigra*)	Siaα2-6Gal/GalNAc
9	SSA (*Sambucus sieboldiana*)	Siaα2-6Gal/GalNAc
10	TJA-I (*Trichosanthes japonica*)	Siaα2-6Gal/GalNAc, HSO3(-) -6Galβ1-4GlcNAc
11	PHAL (*Phaseolus vulgaris*)	tri/tetra-antennary complex-type *N*-glycan
12	ECA (*Erythrina cristagalli*)	Galβ1-4GlcNAc (up with increasing the number of terminal Gal), no affinity for fully sialylated *N*-type, fully agalactosylated *N*-type
13	RCA120 (*Ricinus communis*)	Galβ1-4GlcNAc (up with increasing the number of terminal Gal), Galβ1-3Gal (weak), no affinity for agalactosylated *N*-type
14	PHAE (*Phaseolus vulgaris*)	bi-antennary complex-type N-glycan with outer Gal and bisecting GlcNAc, no affinity for fully sialylated *N*-type
15	DSA (Datura stramonium)	(GlcNAcβ1-4)n (Chitin), tri/tetra-antennary *N*-glycan, Gal β1-4GlcNAc
16	GSL-II (*Griffonia simplicifolia*)	agalactosylated tri/tetra antennary glycans, GlcNAc, no affinity for fully galactosylated or sialylated *N*-type
17	NPA (*Narcissus pseudonarcissus*)	High-Mannose including Manα1-6Man
18	ConA (*Canavalia ensiformis*)	High-Mannose including Manα1-6(Manα1-3) Man
19	GNA (*Galanthus nivalis*)	High-Mannose including Manα1-3Man
20	HHL (*Hippeastrum hybrid*)	High-Mannose including Manα1-3Man or Manα1-6Man
21	ACG (*mushroom, Agrocybe cylindracea*)	Galβ1-3Gal, Siaα2-3Galβ1-4GlcNAc
22	TxLCI (*Tulipa gesneriana*)	Manα1-3(Manα1-6)Man, bi/tri-antennary complex-type *N*-glycan, GalNAc
23	BPL (*Bauhinia purpurea*)	Galβ1-3GalNAc (up with Lewis x, down with Core Fuc), GalNAc
24	TJA-II (*Tanthes japonica*)	Fucα1-2Galβ1-> or GalNAcβ1-> groups at their non-reducing terminals
25	EEL (*Euonymus europaeus*)	Gala1-3Galβ1-4GlcNAc, Fuca1-2Galβ1-3GlcNAc (H antigen)
26	ABA (*fungus, Agaricus bisporus*)	Galβ1-3GalNAc, GlcNAc
27	LEL (*tomato, Lycopersicon esculentum*)	(GlcNAcβ1-4)n (Chitin), (Galβ1-4GlcNAc)n (polylactosamine)
28	STL (*potato, Solanum tuberosum*)	(GlcNAcβ1-4)n (Chitin) oligosaccharide containing GlcNAc and MurNAc

29	UDA (*Urtica dioica*)	GlcNAcβ1-4GlcNAc (Chitin), High-Mannose (3 to High, up with increasing the number of Man)
30	PWM (*pokeweed*, *Phytolacca Americana*)	(GlcNAcβ1-4)n (Chitin)
31	Jacalin (*Artocarpus integrifolia*)	GlcNAcβ1-3GalNAc (Core3), Siaa2-3Galβ1-3GalNAc (sialyl T), Galβ1-3GalNAc (T-antigen), α-GalNAc (Tn-antigen)
32	PNA (*peanut, Arachis hypogaea*)	Galβ1-3GalNAc
33	WFA (*Wisteria floribunda*)	GalNAcβ1-4GlcNAc (LacdiNAc), Galβ1-3(-6)GalNAc
34	ACA (*Amaranthus caudatus*)	Galβ1-3GalNAc (T-antigen), Siaa2-3Galβ1-3GalNAc (sialyl T)
35	MPA (*Maclura pomifera*)	α-GalNAc (Tn-antigen), Galβ1-3GalNAc (T-antigen)
36	HPA (*snail, Helix pomatia*)	α-GalNAc
37	VVA (*Vicia villosa*)	GalNAcβ1-4Gal, GalNAcβ1-3Gal, α-GalNAc
38	DBA (*Dolichos biflorus*)	Blood group A, GalNAcα1-3GalNAc, GalNAcβ1-4(Siaα2-3) Galβ1-4Glc (GM2)
39	SBA (*soybean, Dolichos biflorus*)	α- or β-linked GalNAc, Galα1-4Gal-Glc
40	Calsepa (*Calystegia sepium*)	Galactosylated bianntenary *N*-type with bisecting GlcNAc (galacto > agalacto, down with Core Fuc), High-Mannose (Man2–6)
41	PTL-I (*Psophocarpus tetragonolobus*)	α-GalNAc, Gala1-3(Fuca1-2) Gal (B-antigen)
42	MAH (*Maackia amurensis*)	Siaα2-3Galβ1-3(Siaα2-6) GalNAc (disialyl-T)
43	WGA (*wheat germ, Triticum aestivum*)	(GlcNAcβ1-4)n (Chitin), Hybrid type *N*-glycan, Sia
44	GSL-I A4 (*Griffonia simplicifolia*)	α-GalNAc
45	GSL-I B4 (Griffonia simplicifolia)	α-Gal