

Supplementary information, Table S1 The list of forty-five types of lectins printed on LecChip™ lectin microarray chips

Lectins	Extraction Sources	Major binding Specificity ^{1,2}
LTL	<i>Lotus tetragonolobus</i>	Fuca1-2Galβ1-4GlcNAc, Fuca1-3(Galβ1-4)GlcNAc
PSA	<i>Pisum sativum</i>	Fuca1-6GlcNAc, α-D-Glc, α-D-Man
LCA	<i>Lens culinaris</i>	Fuca1-6GlcNAc, α-D-Glc, α-D-Man
UEAI	<i>Ulex europaeus</i>	Fuca1-2Galβ1-4GlcNAc
AOL	<i>Aspergillus oryzae</i>	Fuca1-6GlcNAc (core fucose)
AAL	<i>Aleuria aurantia</i>	Fuca1-6GlcNAc, Fuca1-3(Galβ1-4)GlcNAc
MALI	<i>Maackia amurensis</i>	Neu5Acα2-3Galβ1-4GlcNAc
SNA	<i>Sambucus nigra</i>	Neu5Acα2-6Gal, Neu5Acα2-6GalNAc
SSA	<i>Salvia sclarea</i>	Neu5Acα2-6Gal, Neu5Acα2-6GalNAc
TJAI	<i>Trichosanthes japonica</i>	Neu5Acα2-6Gal, Neu5Acα2-6GalNAc
PHAL	<i>Phaseolus vulgaris</i>	tri/tetra-antennary complex-type N-glycan
ECA	<i>Erythrina cristagalli</i>	Galβ1-4GlcNAc
RCA120	<i>Ricinus communis</i>	Galβ1-4GlcNAc
PHAE	<i>Phaseolus vulgaris</i>	bi-antennary complex-type N-glycan with outer Gal and bisecting GlcNAc
DSA	<i>Datura stramonium</i>	(GlcNAcβ1-4) _n , Galβ1-4GlcNAc
GSLII	<i>Griffonia simplicifolia</i>	agalactosylated tri/tetra antennary glycans, GlcNAc
NPA	<i>Narcissus Pseudonarcissus</i>	High mannose, Manα1-6Man
ConA	<i>Canavalia ensiformis</i>	High mannose, Manα1-6(Manα1-3)Man
GNA	<i>Galanthus nivalis</i>	High mannose, Manα1-3Man
HHL	<i>Hippeastrum Hybrid</i>	High-Mannose, Manα1-3Man, Manα1-6Man
ACG	<i>Agrocybe cylindracea</i>	Neu5Acα2-3Galβ1-4GlcNAc
TxLCI	<i>Tulipa gesneriana</i>	Manα1-3(Manα1-6)Man, bi- and tri-antennary complex-type N-glycan, GalNAc
BPL	<i>Bauhinia purpurea</i>	Galβ1-3GalNAc, GalNAc
TJAI	<i>Trichosanthes japonica</i>	Fuca1-2Galβ1→ or GalNAcβ1→ groups at their nonreducing terminals
EEL	<i>Euonymus Europaeus</i>	blood group B antigen, Galα1-3Gal
ABA	<i>Agaricus bisporus</i>	Galβ1-3GalNAc
LEL	<i>Lycopersicon Esculentum</i>	GlcNAc trimers/tetramers
STL	<i>Solanum tuberosum</i>	GlcNAc oligomers, oligosaccharide containing GlcNAc and MurNAc
UDA	<i>Urtica dioica</i>	GlcNAcβ1-4GlcNAc, Mixture of Man5 to Man9
PWM	<i>Phytolacca americana</i>	(GlcNAcβ1-4) _n
Jacalin	<i>Artocarpus integrifolia</i>	Galβ1-3GalNAc, GalNAc
PNA	<i>Arachis hypogaea</i>	Galβ1-3GalNAc
WFA	<i>Wisteria floribunda</i>	GalNAcβ1-4GlcNAc, Galβ1-3(-6)GalNAc
ACA	<i>Amaranthus caudatus</i>	Galβ1-3GalNAc
MPA	<i>Maclura pomifera</i>	Galβ1-3GalNAc, GalNAc
HPA	<i>Helix pomation</i>	α-linked terminal GalNAc
VVA	<i>Vicia villosa</i>	α-linked terminal GalNAc, GalNAcα1-3Gal
DBA	<i>Dolichos biflorus</i>	blood group A antigen, GalNAcα1-3GalNAc
SBA	<i>Glycine max</i>	α- or β-linked terminal GalNAc, GalNAcα1-3Gal
Calsepa	<i>Calystegia sepium</i>	Mannose, Maltose
PTLI	<i>Psophocarpus Tetragonolobus</i>	α-linked terminal GalNAc
MAH	<i>Maackia amurensis</i>	Neu5Acα2-3Galβ1-3(Neu5Acα2-6)GalNAc
WGA	<i>Triticum vulgaris</i>	chitin oligomers, Neu5Ac
GSLI_A4	<i>Griffonia simplicifolia</i>	α-linked GalNAc
GSLI_B4	<i>Griffonia simplicifolia</i>	α-linked Gal

- The information of binding specificity of each lectin printed on the LecChip™ lectin microarray chip is obtained from GPBiosciences website at http://www.gpbio.jp/pdf/Lectin%20Specificity_with%20layout.pdf
- Fuc: fucose, Man: mannose, Gal: galactose, GlcNAc: *N*-Acetylglucosamine, GalNAc: *N*-Acetylgalactosamine, MurNAc: *N*-Acetylmuramic acid, Neu5Ac: *N*-Acetylneuraminic acid

The gray highlights indicate the thirteen priority lectins that show selectivity toward pluripotent cells