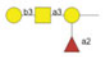
SUPPLEMENTARY FIG. S8. Graphical user interface generated by the algorithm in GLYMMR with parameters set to m = 3 or 9, and normal sorting according to Figure 2, for the motifs of galectin-8 using two concentrations of galectin-8 (5.0 and 50 μg/mL) on version 4.2 of the array. (**A)** Results with m = 3 and not filtered to remove the subsets of identical structures. The designation galectin 8 2_50_5 conc. – 4.2 is generated using the dropdown menu to select what data to display from v4.2 of the array. "View Motifs" is a command field. Checking the box labeled "Filter sub-structures" filters the results. (**B**) Results with m = 9 and not filtered to remove the subsets of identical structures. (**C**) Results with m = 9 and filtered to remove the subsets of identical structures. The m value [#Non-Binders (m)] can be 3–14, selected from the dropdown menu. The sorting method can also be modified, but is not demonstrated here. A single-letter code for the glycan structures is presented (S, Neu5Ac; L, Gal; N, GlcNAc; A, GalNAc; M, Man; F, Fuc; G, Glc). The numbers are the linkage position on the monosaccharide to the right of the number, and a = α and b = β. Below the single-letter designation of each oligosaccharide, the underlined numbers indicate the number of binding glycans on the array that possess the displayed motif (binders), and the number of non-binding glycans (non-binders) on the array that possess the displayed motif (binders).

A

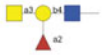
Fa2(Lb3Aa3)L
binders: 5
non-binders: 0



Lb3Aa3L
binders: 5
non-binders: 0

Aa3Lb4N
binders: 12
non-binders: 2

Fa2(Aa3)Lb4N
binders: 12
non-binders: 2



Lb4Nb3Lb4G
binders: 5
non-binders: 3

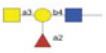
B

Fa2(Lb3Aa3)L
binders: 5
non-binders: 0

Lb3Aa3L
binders: 5
non-binders: 0

Aa3Lb4N
binders: 12
non-binders: 2

Fa2(Aa3)Lb4N
binders: 12
non-binders: 2



Lb4Nb3Lb4G
binders: 5
non-binders: 3

Fa2(Aa3)L
binders: 18
non-binders: 6

Aa3L
binders: 18
non-binders: 7

Nb3Lb4Nb3L
binders: 5
non-binders: 7

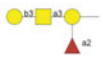
Nb3Lb4Nb3Lb4N
binders: 5
non-binders: 7

La3Lb4N
binders: 5
non-binders: 10

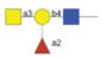
Fa2(La3)L
binders: 7
non-binders: 12

C

Fa2(Lb3Aa3)L
binders: 5
non-binders: 0



Fa2(Aa3)Lb4N
binders: 12
non-binders: 2



Lb4Nb3Lb4G
binders: 5
non-binders: 3

Fa2(Aa3)L
binders: 18
non-binders: 6

Nb3Lb4Nb3Lb4N
binders: 5
non-binders: 7

La3Lb4N
binders: 5
non-binders: 10

Fa2(La3)L
binders: 7
non-binders: 12