

Table S2. Glycan Structures with their ID numbers, by Array Version (Key for Figure 6A-D).

Glycan No.			Structure
v. 3.2	v. 4.1	v. 4.2	
44	45	45	Neu5Ac α 2-3[6OSO3]Gal β 1-4GlcNAc β -Sp8
	54	54	Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β -N(LT)AVL
54	55		Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β -Sp8
53	56	55	Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β -Sp12
52	57	56	Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-3(Neu5Ac α 2-6Gal β 1-4GlcNAc β 1-2Man α 1-6)Man β 1-4GlcNAc β 1-4GlcNAc β -Sp13
201	221	220	Neu5Ac α 2-3Gal β 1-3GalNAc α -Sp8
314	222	221	Neu5Ac α 2-3Gal β 1-3GalNAc α -Sp14
207	228	227	Neu5Ac α 2-3(6-O-Su)Gal β 1-4(Fuc α 1-3)GlcNAc β -Sp8
208	229	228	Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4GlcNAc β -Sp0
209	230	229	Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4GlcNAc β -Sp8
210	231	230	Neu5Ac α 2-3(GalNAc β 1-4)Gal β 1-4Glc β -Sp0
214	235	234	Neu5Ac α 2-3GalNAc β 1-4GlcNAc β -Sp0
215	236	235	Neu5Ac α 2-3Gal β 1-3[6OSO3]GlcNAc β -Sp8
216	237	236	Neu5Ac α 2-3Gal β 1-3(Fuc α 1-4)GlcNAc β -Sp8
217	238	237	Neu5Ac α 2-3Gal β 1-3(Fuc α 1-4)GlcNAc β 1-3Gal β 1-4(Fuc α 1-3)GlcNAc β -Sp0
218	239	238	Neu5Ac α 2-3Gal β 1-3(Neu5Ac α 2-3Gal β 1-4)GlcNAc β -Sp8
219	240	239	Neu5Ac α 2-3Gal β 1-3[6OSO3]GalNAc α -Sp8
220	241	240	Neu5Ac α 2-3Gal β 1-3(Neu5Ac α 2-6)GalNAc α -Sp8
313	242	241	Neu5Ac α 2-3Gal β 1-3(Neu5Ac α 2-6)GalNAc α -Sp14
223	245	244	Neu5Ac α 2-3Gal β 1-3GlcNAc β 1-3Gal β 1-4GlcNAc β -Sp0
224	247	246	Neu5Ac α 2-3Gal β 1-3GlcNAc β -Sp0
225	248	247	Neu5Ac α 2-3Gal β 1-3GlcNAc β -Sp8
227	250	248	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)[6OSO3]GlcNAc β -Sp8
228	251	250	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β 1-3Gal β 1-4(Fuc α 1-3)GlcNAc β 1-3Gal β 1-4(Fuc α 1-3)GlcNAc β -Sp0
229	252	251	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β -Sp0
230	253	252	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β -Sp8
231	254	253	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β 1-3Gal β -Sp8
232	255	254	Neu5Ac α 2-3Gal β 1-4(Fuc α 1-3)GlcNAc β 1-3Gal β 1-4GlcNAc β -Sp8
234	256	255	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β -Sp0
235	257	256	Neu5Ac α 2-3Gal β 1-4GlcNAc β -Sp0
236	258	257	Neu5Ac α 2-3Gal β 1-4GlcNAc β -Sp8
237	259	258	Neu5Ac α 2-3Gal β 1-4GlcNAc β 1-3Gal β 1-4GlcNAc β -Sp0

238	261	260	Neu5Aca2-3Galβ1-4Glcβ-Sp0
239	262	261	Neu5Aca2-3Galβ1-4Glcβ-Sp8
240	263	262	Neu5Aca2-6GalNAca-Sp8
241	264	263	Neu5Aca2-6GalNAcβ1-4GlcNAcβ-Sp0
242	265	264	Neu5Aca2-6Galβ1-4[6OSO3]GlcNAcβ-Sp8
243	266	265	Neu5Aca2-6Galβ1-4GlcNAcβ-Sp0
244	267	266	Neu5Aca2-6Galβ1-4GlcNAcβ-Sp8
245	268	267	Neu5Aca2-6Galβ1-4GlcNAcβ1-3Galβ1-4(Fuca1-3)GlcNAcβ1-3Galβ1-4(Fuca1-3)GlcNAcβ-Sp0
246	269	268	Neu5Aca2-6Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0
247	271	269	Neu5Aca2-6Galβ1-4Glcβ-Sp0
249	272	271	Neu5Aca2-6Galβ-Sp8
256	278	277	Neu5Gca2-3Galβ1-4(Fuca1-3)GlcNAcβ-Sp0
255	279	278	Neu5Gca2-3Galβ1-3GlcNAcβ-Sp0
257	281	280	Neu5Gca2-3Galβ1-4GlcNAcβ-Sp0
258	282	281	Neu5Gca2-3Galβ1-4Glcβ-Sp0
274	286	285	Galβ1-3(Neu5Aca2-3Galβ1-4GlcNAcβ1-6)GalNAca-Sp14
281	292	291	Neu5Aca2-3Galβ1-3GlcNAcβ1-3Galβ1-3GlcNAcβ-Sp0
282	293	292	Neu5Aca2-3Galβ1-4GlcNAcβ1-3Galβ1-3GlcNAcβ-Sp0
290	297	296	Galβ1-3(Neu5Aca2-3Galβ1-4(Fuca1-3)GlcNAcβ1-6)GalNAca-Sp14
292	299	298	Galβ1-4GlcNAcβ1-2Manα1-3(Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12
301	306	305	GlcNAcβ1-2Manα1-3(Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12
303	307	306	GlcNAcβ1-3Man-Sp10
312	315	314	Neu5Aca2-3Galβ1-3(Neu5Aca2-3Galβ1-4GlcNAcβ1-6)GalNAca-Sp14
315	316	315	Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-3(Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12
316	317	316	Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-3(Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12
317	318	317	Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-3(GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12
	323	322	Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-3(Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12
	324	323	Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-3(Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12
324	328	327	Neu5Aca2-6Galβ1-4GlcNAcβ1-3Galβ1-3GlcNAcβ-Sp0
326	330	329	Neu5Aca2-6Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0
339	343	342	Manα1-3(Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAc-Sp12
345	344	343	Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-3(Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAc-Sp12

344	345	344	Neu5Aca2-6Galβ1-4GlcNAcβ1-2Manα1-6Manβ1-4GlcNAcβ1-4GlcNAc-Sp12
331			(Neu5Aca2-3-Galβ1-3)((Neu5Aca2-3-Galβ1-4(Fuca1-3))GlcNAcβ1-6)GalNAc-Sp14
351	355	353	KDNα2-3Galβ1-4(Fuca1-3)GlcNAc-Sp0
361	365	363	Neu5Aca2-6GlcNAcβ1-4GlcNAc-Sp21
362	366	364	Neu5Aca2-6GlcNAcβ1-4GlcNAcβ1-4GlcNAc-Sp21
371	375	373	NeuAca2-3Galβ1-4GlcNAcβ1-3GalNAc-Sp14
	409	407	Neu5Aca2-6Galβ1-3GlcNAcβ1-3(Galβ1-4GlcNAcβ1-6)Galβ1-4Glc-Sp21
	441	439	Neu5Aca2-3Galβ1-4GlcNAcβ1-3Galβ-Sp8
		472	Neu5Aca2-3Galβ1-4GlcNAcβ1-6GalNAca-Sp14
		476	Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-6(Neu5Aca2-3Galβ1-4GlcNAcβ1-2Manα1-3)Manβ1-4GlcNAcβ1-4(Fuca1-6)GlcNAcβ-6AA