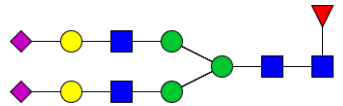
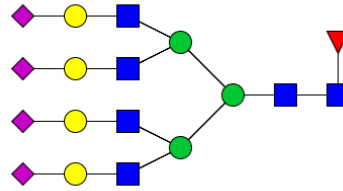
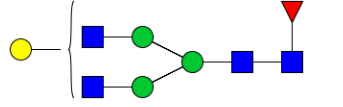
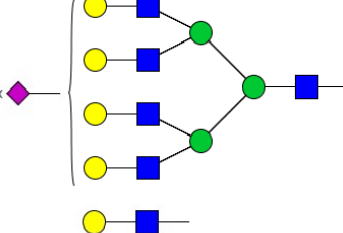
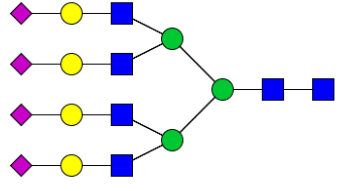
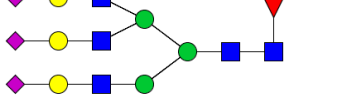
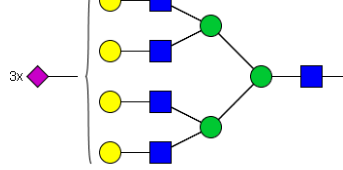
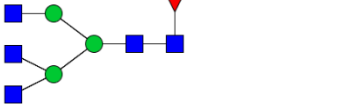
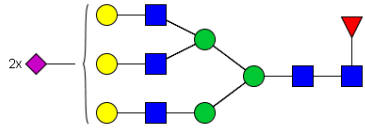
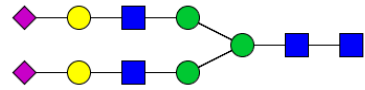
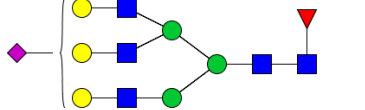
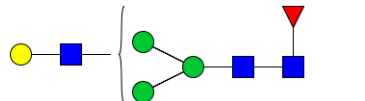
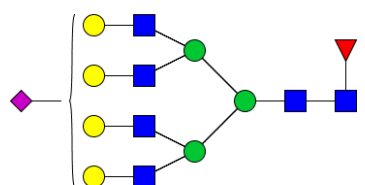
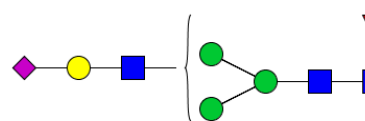
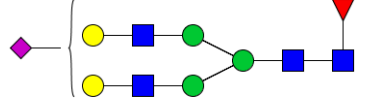
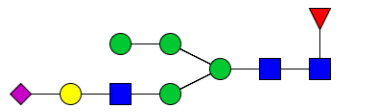
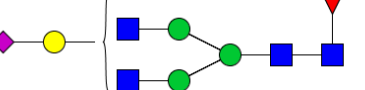
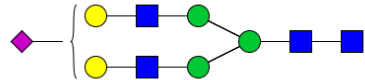
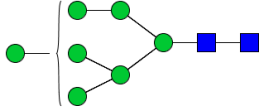
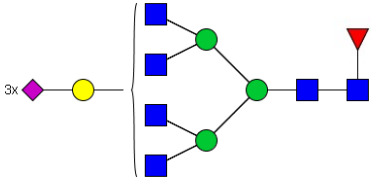
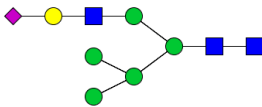
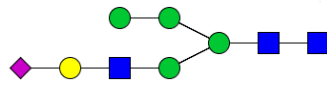
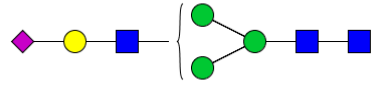
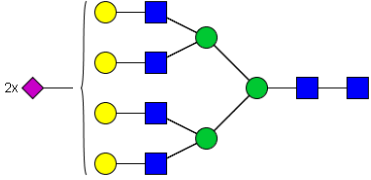
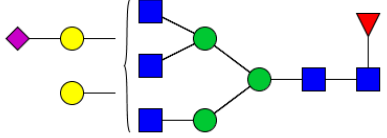
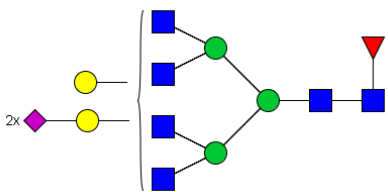
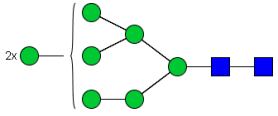
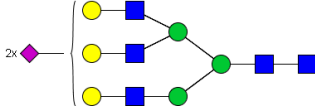
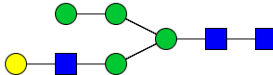
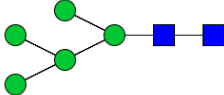
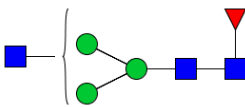
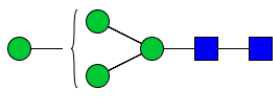
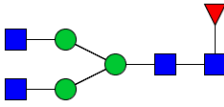
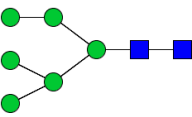
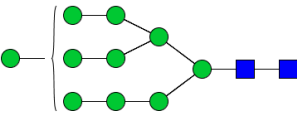
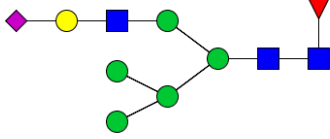
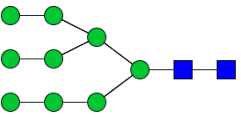


Glycan	Representation	Composition	N-glycan Structure	p-value
1	5604	HexNAc5Hex6NeuAc4		3E-04*
2	3600	HexNAc3Hex6		1E-03*
3	5603	HexNAc5Hex6NeuAc3		1E-03*
4	3510	HexNAc3Hex5dHex1		2E-03*
5	6712	HexNAc6Hex7dHex1NeuAc2		3E-03*
6	5410	HexNAc5Hex4dHex1		6E-03*
7	6703	HexNAc6Hex7NeuAc3		8E-03*
8	4510	HexNAc4Hex5dHex1		9E-03*

9	4512	HexNAc4Hex5dHex1N euAc2		0.010*
10	6714	HexNAc6Hex7dHex1N euAc4		0.019*
11	4410	HexNAc4Hex4dHex1		0.020*
12	7813	HexNAc7Hex8dHex1N euAc3		0.022*
13	6704	HexNAc6Hex7NeuAc4		0.025*
14	5613	HexNAc5Hex6dHex1N euAc3		0.030*
15	6713	HexNAc6Hex7dHex1N euAc3		0.038*
16	5310	HexNAc5Hex3dHex1		0.049*

17	5612	HexNAc5Hex6dHex1NeuAc2		0.054
18	4502	HexNAc4Hex5NeuAc2		0.057
19	5611	HexNAc5Hex6dHex1NeuAc1		0.070
20	3410	HexNAc3Hex4dHex1		0.083
21	6711	HexNAc6Hex7dHex1NeuAc1		0.083
22	3411	HexNAc3Hex4dHex1NeuAc1		0.085
23	4511	HexNAc4Hex5dHex1NeuAc1		0.085
24	3511	HexNAc3Hex5dHex1NeuAc1		0.089
25	4411	HexNAc4Hex4dHex1NeuAc1		0.095
26	4502	HexNAc4Hex5NeuAc2		0.109

27	2700	HexNAc2Hex7		0.116
28	6613	HexNAc6Hex6dHex1NeuAc3		0.119
29	3601	HexNAc3Hex6NeuAc1		0.128
30	3501	HexNAc3Hex5NeuAc1		0.152
31	3401	HexNAc3Hex4NeuAc1		0.168
32	6702	HexNAc6Hex7NeuAc2		0.177
33	5511	HexNAc5Hex5dHex1NeuAc1		0.225
34	6612	HexNAc6Hex6dHex1NeuAc2		0.225
35	2800	HexNAc2Hex8		0.239

36	5602	HexNAc5Hex6NeuAc2		0.288
37	3500	HexNAc3Hex5		0.389
38	2500	HexNAc2Hex5		0.392
39	3310	HexNAc3Hex3dHex1		0.412
40	2400	HexNAc2Hex4		0.413
41	4310	HexNAc4Hex3dHex1		0.488
42	2600	HexNAc2Hex6		0.498
43	21000	HexNAc2Hex10		0.512
44	3611	HexNAc3Hex6dHex1NeuAc1		0.622
45	2900	HexNAc2Hex9		0.690

46	5512	HexNAc5Hex5dHex1NeuAc2		0.712
47	5411	HexNAc5Hex4dHex1NeuAc1		0.803

Supplementary Table 1: List of of N-glycans derived from NFL and SY5Y, along with derived topologies and p-values from a t-test comparison between groups. Glycans that show significant change in abundance between SY5Y and NLF cell lines are indicated by *.