

	<b>Glycan feature</b>	<b>formula</b>
1	HM	$=H_8N_2F_0S_0+H_9N_2F_0S_0$
2	Hyb	$=H_6N_3F_0S_0+H_6N_3F_1S_0+H_6N_4F_0S_0$
3	Tr	$=H_3N_3F_0S_0+H_3N_3F_1S_0+H_3N_4F_0S_0+H_3N_4F_1S_0+H_3N_5F_0S_0+H_3N_5F_1S_0$
4	BA	$=H_5N_4F_0S_0+H_5N_4F_1S_0+H_5N_4F_1S_1+H_5N_4F_2S_2$
5	Fuc_1	$=(H_3N_3F_1S_0+H_3N_4F_1S_0+H_3N_5F_1S_0+H_4N_3F_1S_0+H_5N_4F_1S_0+H_6N_3F_1S_0)/$ $(H_3N_3F_0S_0+H_3N_4F_0S_0+H_3N_5F_0S_0+H_4N_3F_0S_0+H_5N_4F_0S_0+H_6N_3F_0S_0)$
6	Fuc_2	$=H_3N_3F_1S_0/ H_3N_3F_0S_0$
7	Fuc_3	$= H_3N_4F_1S_0/ H_3N_4F_0S_0$
8	Fuc_4	$= H_3N_5F_1S_0/ H_3N_5F_0S_0$
9	Fuc_5	$= H_4N_3F_1S_0/ H_4N_3F_0S_0$
10	Fuc_6	$= H_5N_4F_1S_0/ H_5N_4F_0S_0$
11	Fuc_7	$=H_6N_3F_1S_0/ H_6N_3F_0S_0$
12	Gal_1	$=(H_5N_4F_0S_0+H_5N_4F_1S_0+H_4N_3F_0S_0+H_4N_3F_1S_0)/(H_3N_4F_0S_0+H_3N_4F_1S_0+H_3N_3F_0S_0+H_3N_3F_1S_0)$
13	Gal_2	$=H_5N_4F_0S_0/H_3N_4F_0S_0$
14	Gal_3	$=H_5N_4F_1S_0/H_3N_4F_1S_0$
15	Gal_4	$=H_4N_3F_0S_0/H_3N_3F_0S_0$
16	Gal_5	$=H_4N_3F_1S_0/H_3N_3F_1S_0$
17	Sia_1	$=(H_6N_5F_1S_3+H_6N_5F_1S_2+H_6N_5F_1S_1)/H_6N_5F_1S_0$
18	Sia_2	$=(H_6N_5F_1S_3+H_6N_5F_1S_2)/(H_6N_5F_1S_1+H_6N_5F_1S_0)$

**Supplementary Table 1.** Formulas used to calculate additional glycan feature data.