

Table S4. N-linked glycan profiles of wild-type and *sff* embryos

	Structure	% of total profile		Structure	% of total profile			
		wild type	<i>sff</i> ^{B22}		wild type	<i>sff</i> ^{B22}		
1	M2N2		2.7±0.6	3.8±0.4	22		0.24±0.06	0.37±0.10
2	M3N2		7.3±1.0	9.6±1.4	23		0.06±0.02	0.28±0.04
3	M4N2		3.0±0.3	3.0±0.6	24		0.14±0.04	0.54±0.12
4	M5N2		13.4±0.1	9.8±1.6	25		0.04±0.02	0.03±0.01
5	M6N2		10.4±0.3	10.4±1.5	26		0.24±0.02	0.02±0.01
6	M7N2		8.0±0.8	8.8±1.2	27		0.34±0.05	0.20±0.09
7	M8N2		7.6±0.6	7.7±1.4	28		0.13±0.03	0.01±0.00
8	M9N2		12.6±1.1	11.4±3.4	29		0.01±0.00	<0.01
9	GlcM9N2		2.4±0.2	2.2±0.7	30		0.06±0.01	0.10±0.2
10	M2N2F ^{3 or 6}		8.0±0.4	9.1±1.2	31		0.08±0.02	0.02±0.01
11	M3N2F ^{3 or 6}		12.8±0.7	11.7±1.7	32		1.8±0.2	1.7±0.3
12	M4N2F ⁶		1.0±0.1	0.64±0.05	33		0.74±0.06	1.0±0.1
13	M5N2F ⁶		0.26±0.07	0.26±0.09	34		0.99±0.12	1.0±0.2
14	NM2N2F ⁶		0.16±0.03	0.15±0.03	35		0.31±0.02	0.07±0.02
15	NM3N2F ⁶		1.7±0.2	1.8±0.5	36		0.77±0.12	1.0±0.2
16	NM4N2F ⁶		0.26±0.07	0.5±0.1	37		0.41±0.02	0.48±0.20
17	NM5N2F ⁶		0.26±0.06	0.54±0.08	38		0.22±0.04	0.32±0.08
18	GalNM3N2F ⁶		0.08±0.01	0.07±0.06	39		0.08±0.01	0.05±0.04
19	Hex-GalNM3N2F ⁶		0.02±0.00	0.02±0.01	40		0.10±0.04	0.01±0.01
20	N2M2N2F ⁶		0.20±0.02	0.31±0.09	41		0.02±0.01	0.01±0.01
21	N2M3N2F ⁶		0.89±0.11	0.74±0.08	42		0.01±0.00	0.03±0.01

The prevalence of each glycan structure is given as ‘% total profile’, where the signal or each individual glycan is normalized to the total signal for all quantified glycans. Values are the mean ± s.e.m. for three independent determinations (biological replicates). For structures linked by ‘and’ both isomers were detected. For structures linked by ‘or’ the isomers were not resolved. Graphical glycan representations are consistent with the conventions proposed by the Consortium for Functional Glycomics, as follows:

