

No.	peptide	Retention time (min)	observed mass			calculated mass	theoretical mass			Δ mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative
			M+4H	M+3H	M+2H		M+4H	M+3H	M+2H					
1	EEQFNSTFR	36.69		1118.964	2236.920	746.313	1118.966	2236.924	-0.004	H2N3F1	1118.959-1118.973	1176.3	0.10	
2		36.43		1199.992	2398.976	800.331	1199.992	2398.977	-0.001	H3N3F1	1199.985-1199.999	13395.4	1.15	
3		36.18		1281.021	2561.034	854.349	1281.019	2561.030	0.004	H4N3F1	1281.011-1281.027	3337.6	0.29	
4		36.46		1301.534	2602.060				0.004			1301.524-1301.540	94146.7	8.10
		36.46	868.025		2602.059		868.024	1301.532	2602.056	0.003	H3N4F1	868.019-868.029	131993.4	11.36
5		36.21			1382.560	2764.112				0.003		1382.550-1382.566	36295.6	3.12
		36.21	922.043		2764.113		922.042	1382.558	2764.109	0.004	H4N4F1	922.036-922.048	88820.2	7.64
6		36.46	935.718		2805.138		935.717	1403.071	2805.135	0.003	H3N5F1	935.711-935.723	8030.2	0.69
7		37.37	956.713		2868.123		956.712	1434.564	2868.120	0.003	H4N3FIG1	956.706-956.718	1832.2	0.16
8		36.12		1463.588	2926.168					0.006		1463.576-1463.594	5494.9	0.47
		36.12	976.060		2926.164		976.059	1463.585	2926.162	0.003	H5N4F1	976.053-976.065	18563.5	1.60
9		36.21	989.736		2967.192		989.735	1484.098	2967.188	0.004	H4N5F1	989.729-989.741	1555.4	0.13
10		37.15		1536.107	3071.206					0.007		1536.095-1536.113	8918.4	0.77
		37.15	1024.406		3071.202		1024.405	1536.103	3071.199	0.003	H4N4FIG1	1024.399-1024.411	61593	5.30
11		37.03		1617.134	3233.260	1078.423	1617.130	3233.252	0.008	H5N4FIG1	1617.120-1617.140	9514.8	0.82	
12		37.12	1092.100		3274.284	1092.098	1637.643	3274.278	0.007	H4N5FIG1	1092.091-1092.105	970.3	0.08	
13		36.97	1132.441		3395.307	1132.440	1698.156	3395.305	0.002	H6N4FIG1	1132.433-1132.447	2088.5	0.18	
14		37.71		1770.677	3540.346					0.004		1770.664-1770.686	15271.9	1.31
		37.77	1180.787		3540.345		1180.786	1770.675	3540.342	0.003	H5N4FIG2	1180.779-1180.793	1292.2	0.11
15		36.52		1228.504	2456.000					0.002		1228.496-1228.510	5557.8	0.48
		36.85	819.338		2455.998		819.338	1228.503	2455.998	0.000	H3N4	819.333-819.343	7250.2	0.62
16		36.37		1309.534	2618.060					0.009		1309.521-1309.537	2745.2	0.24
		36.43	873.356		2618.052		873.356	1309.529	2618.051	0.001	H4N4	873.351-873.361	2149.8	0.18
17		37.53	975.720		2925.144		975.719	1463.074	2925.141	0.003	H4N4G1	975.713-975.725	2015.3	0.17
18		a	30.95		1119.962	2238.916				0.003		1119.954-1112.968	1855.2	0.16
		b	31.11		1119.961	2238.914	746.976	1119.960	2238.913	0.001	H3N3F1		1910.8	0.16
19		30.71		1200.990	2400.972	800.994	1200.987	2400.966	0.006	H4N3F1	1200.980-1200.994	1835.8	0.16	
20		a	30.45		1221.502	2441.996				0.003		1221.493-1221.507	28718.4	2.47
		b	30.93		1221.502	2441.996				0.003			40401.4	3.48
		a	30.45	814.67		2441.994	814.670	1221.500	2441.993	0.001	H3N4F1		17007.8	1.46
		b	30.93	814.670		2441.994				0.001		814.664-814.674	35096.8	3.02
21		a	30.18		1302.528	2604.048				0.003		1302.519-130.535	34176.5	2.94
		b	30.74		1302.529	2604.050				0.005			54564.8	4.69
		a	30.74	868.687		2604.045	868.687	1302.526	2604.045	0.000	H4N4F1		35727.2	3.07
	b	30.77	868.687		2604.045				0.000		868.682-868.692	77318.9	6.65	
22	30.61	882.359		2645.061	882.363	1323.040	2645.072	-0.011	H3N5F1	882.357-882.367	1408.7	0.12		
23	a	30.12		1383.554	2766.100				0.002		1383.545-1383.561	10473.5	0.90	
	b	30.61		1383.554	2766.100				0.002			8950.5	0.77	
	a	30.12	922.705		2766.099	922.705	1383.553	2766.098	0.001	H5N4F1		10480.2	0.90	
	b	30.64	922.705		2766.099				0.001		922.699-922.711	15168.0	1.30	
24	a	30.71		1456.074	2911.140				0.004		1456.063-1456.081	7895.5	0.68	
	b	31.28		1456.074	2911.140				0.004			7017.8	0.60	
	a	30.77	971.051		2911.137	971.051	1456.072	2911.136	0.001	H4N4FIG1		28559.1	2.46	
	b	31.28	971.050		2911.134				-0.002		971.044-971.056	12422.2	1.07	
25	a	30.67		1537.099	3073.190				0.002		1537.089-1537.107	9201.7	0.79	
	b	31.17		1537.101	3073.194				0.006			5107.7	0.44	
	a	30.64	1025.068		3073.188	1025.068	1537.098	3073.188	0.000	H5N4FIG1		38542.1	3.32	
	b	31.17	1025.069		3073.191				0.003		1025.062-1025.074	30057.3	2.59	
26	30.95	1038.745		3114.219	1038.744	1557.611	3114.215	0.004	H4N5FIG1	1038.738-1038.750	2273.1	0.20		
27	a	30.99		1690.644	3380.280				0.001		1690.633-1690.653	2751.7	0.24	
	a	31.08	1127.433		3380.283	1127.432	1690.643	3380.279	0.004	H5N4FIG2		11532.8	0.99	
	b	31.49	1127.433		3380.283				0.004		1127.424-1127.438	5947.6	0.51	
28	32.11		1178.986	2356.964	786.327	1178.987	2356.966	-0.002	H3N3F1	1178.980-1178.994	2047.3	0.18		
29	32.05		1280.529	2560.050					0.004		1280.519-1280.535	21012.8	1.81	
	32.05	854.021		2560.047		854.021	1280.527	2560.046	0.001	H3N4F1	854.015-854.025	27996.6	2.41	
	31.89		1361.556	2722.104					0.006		1361.545-1361.561	10361.3	0.89	
30	31.93	908.039		2722.101		908.038	1361.553	2722.098	0.003	H4N4F1	908.033-908.043	21290.7	1.83	
	31.77		1442.584	2884.160					0.009		1442.571-1442.589	2226.9	0.19	
31	31.80	962.057		2884.155		962.056	1442.579	2884.151	0.004	H5N4F1	962.050-962.062	6087.4	0.52	
	32.75	1010.402		3029.190	1010.402	1515.098	3029.189		0.001	H4N4FIG1	1010.395-1010.407	4199	0.36	
33	32.55	1064.420		3191.244	1064.419	1596.125	3191.242	0.002	H5N4FIG1	1064.413-1064.425	5529.7	0.48		
34	33.09	1166.786		3498.342	1166.783	1749.670	3498.332	0.010	H5N4FIG2	1166.775-1166.789	1303.9	0.11		
											total	1162399.5	100	

◇ Neuraminic acid (Neu)

 ◆ N-acetyl neuraminic acid (NeuAc)

 ◆ N-glycolyl neuraminic acid (NeuGc)

 ○ Hexose (Hex)

 ● Galactose (Gal)

 ● Mannose (Man)

 □ N-acetyl hexosamine (HexNAc)

 ■ N-acetyl glucosamine (GlcNAc)

 ■ N-acetyl galactosamine (GalNAc)

 ▷ Deoxy hexose (dHex)

 ▶ Fucose (Fuc)

 ~ Peptide

LC-MS analysis of N-glycans on IgGs obtained from *Fut8*^{+/-} mice before treatment with 0.15 mg/g/day L-fucose_0th day (A-0).

No.	peptide	Retention time (min)	observed mass				calculated mass		theoretical mass			Δ mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative
			M+4H	M+3H	M+2H	M+H	M+3H	M+2H	M+H							
1		36.10			1118.971	2236.934	746.313	1118.966	2236.924	0.010	H2N3F1	1118.973-1118.973	3129.2	0.13		
		36.23			1199.993	2398.978	800.331	1199.992	2398.977	0.001	H3N3F1	1199.985-1199.999	4511.7	0.18		
2		36.31		800.331					0.000		800.326-800.336	19375.5	0.79			
3		35.93			1281.019	2561.030	854.349	1281.019	2561.03	0.000	H4N3F1	1281.011-1281.027	5014.8	0.20		
4		36.20			1301.534	2602.060	868.024	1301.532	2602.056	0.004	H3N4F1	1301.524-1301.540	198760.2	8.08		
		36.20		868.025						0.003		868.019-868.029	199516.5	8.11		
5		35.93			1382.560	2764.112		1382.558	2764.109	0.003	H4N4F1	1382.550-1382.566	69663.2	2.83		
		35.96		922.043						0.004		922.036-922.048	101437.2	4.12		
6		36.26			1403.074	2805.140		1403.071	2805.135	0.005	H3N5F1	1403.64-1403.080	5039.6	0.20		
		36.17		935.718						0.003		935.711-935.723	120011.4	4.88		
7		36.02			1463.588	2926.168		1463.585	2926.162	0.006	H5N4F1	14463.576-1463.594	16463.5	0.67		
		35.93		976.060						0.002		976.053-976.065	5494.9	0.22		
8	EEQFNSTFR	35.99		989.738		2967.198	989.735	1484.098	2967.188	0.010	H4N5F1	989.729-989.741	3943.4	0.16		
9			37.00			1536.106	3071.204		1536.103	3071.199	0.005	H4N4F1G	1536.095-1536.113	31232.6	1.27	
37.00				1024.406						0.003		1024.399-1024.411	77867.2	3.16		
10			35.90			1463.588	2926.168	976.059	1463.585	2926.162	0.006	H5N4F1	1463.576-1463.594	9885.4	0.40	
36.81					1617.131	3233.254	1078.423	1617.130	3233.252	0.002	H5N4F1G	1617.120-1617.140	7554.9	0.31		
11			36.78				3233.256			0.004		1078.417-1078.429	49825.1	2.02		
36.97				1078.424						-0.001	H4N5F1G	1092.091-1092.105	2824.9	0.11		
12			36.46				3395.298	1132.440	1698.156	3395.305	-0.007	H6N4F1G	1132.433-1132.447	1854.4	0.08	
37.59					1770.681		3540.354	1180.786	1770.675	3540.342	0.012	H5N4F1G	1770.664-1770.686	2553.9	0.10	
14			37.53		1180.787		3540.345				0.003		1180.779-1180.793	21041.1	0.86	
36.52						1228.505	2456.002	819.338	1228.503	2455.998	0.004	H3N4	1228.496-1228.510	7250.2	0.29	
15			36.37			1309.534	2618.060		1309.529	2618.051	0.009	H4N4	1309.521-1309.537	2745.2	0.11	
36.43				873.356			2618.052	873.356			0.001		873.351-873.361	2149.8	0.09	
16			37.53		975.720		2925.144	975.719	1463.074	2925.141	0.003	H4N4G1	975.713-975.725	2015.3	0.08	
30.66						1119.962	2238.916	746.976	1119.960	2238.913	0.003	H3N3F1	1119.954-1119.968	3561.5	0.14	
19		a	29.75			1200.989	2400.970				0.004			4494.1	0.18	
			30.55			1200.990	2400.972	800.994	1200.987	2400.966	0.006	H4N3F1	1200.980-1200.968	2173.4	0.09	
20		b	29.97			1221.502	2441.996				0.003		1221.493-1221.507	20743.2	0.84	
	30.60				1221.502	2441.996	814.670	1221.500	2441.993	0.003	H3N4F1		60698.5	2.47		
	29.97		814.671			2441.997			0.004		814.664-814.674	13111.7	0.53			
	30.57		814.670			2441.994			0.001			65069.0	2.64			
21	a	29.78			1302.528	2604.048				0.003		1302.519-1302.535	189680.7	7.46		
		30.35			1302.528	2604.048				0.003			112894	4.59		
	29.79		868.687			2604.045	868.687	1302.526	2604.045	0.000	H4N4F1		145345.6	5.91		
	30.32		868.688			2604.048			0.003			106375.5	4.32			
22		30.29			882.363	2645.073	882.363	1323.040	2645.072	0.001	H3N5F1	882.358-882.368	5913.5	0.24		
30.66				1354.535	2708.062	903.357	1354.532	2708.056	0.006	H4N3F1G	1354.524-1354.540	1475.3	0.06			
23	EDYNSTLR	31.19		903.360		2708.064			0.008		903.352-903.362	1306.7	0.05			
24		a	29.78			1383.555	2766.102				0.004			37207.6	1.51	
			30.25			1383.554	2766.100				0.002		1383.545-1383.561	24186.8	0.98	
24		b	29.72		922.705		2766.099	922.705	1383.553	2766.098	0.001	H5N4F1		47688.9	1.94	
			30.42		922.705		2766.099				0.001		922.699-922.711	24957.2	1.01	
25		a	30.42			1456.074	2911.140				0.004		1456.063-1456.081	20015.7	0.81	
			30.95			1456.074	2911.140				0.004			9150.3	0.37	
		30.35		971.052			2911.140	971.051	1456.072	2911.136	0.004	H4N4F1G		47618	1.94	
		31.01		971.051			2911.137			0.001		971.044-971.056	20998.8	0.85		
26		a	30.25			1537.099	3073.190				0.002		1537.089-1537.107	23204.7	0.94	
			30.81			1537.101	3073.194	1025.068	1537.098	3073.188	0.006	H5N4F1G		12838	0.52	
		30.29		1025.069			3073.191			0.003		1025.062-1025.074	76659.8	3.12		
	30.84		1025.069			3073.191			0.003			37543.7	1.53			
27		30.72			1690.650	3380.292	1127.432	1690.643	3380.279	0.013	H5N4F1G	1690.633-1690.653	5010.6	0.20		
		30.72		1127.433			3380.283			0.004		1127.424-1127.438	28540.8	1.16		
28	EAQYNSTFR	31.76			1178.987	2356.966	786.327	1178.987	2356.966	0.000	H3N3F1	1178.981-1178.994	5447.3	0.22		
31.91			786.327			2356.965			-0.001		786.322-786.332	1456.4	0.06			
29			31.51			1260.019	2519.030	840.345	1260.013	2519.019	0.011	H4N3F1	1260.005-1260.021	2353.7	0.10	
31.76					1280.529	2560.050	854.021	1280.527	2560.046	0.004	H3N4F1	1280.519-1280.535	76962	3.13		
30			31.76		854.021		2560.047			0.001		854.015-854.025	79266.8	3.22		
			31.60			1361.556	2722.104				0.006	H4N4F1	1361.545-1361.561	42202.4	1.72	
31			31.60		908.039		2722.101	908.038	1361.553	2722.098	0.003	H4N4F1	908.033-908.043	67316.2	2.74	
			31.51			1442.583	2884.158				0.007		1442.571-1442.589	8924.7	0.36	
32			31.51		962.057		2884.155	962.056	1442.579	2884.151	0.004	H5N4F1	962.050-962.062	21703	0.88	
			32.44			1515.101	3029.194	1010.402	1515.098	3029.189	0.005	H4N4F1G	1515.089-1515.107	5465.8	0.22	
33			32.44		1010.402		3029.190			0.001		1010.395-1010.407	16763.4	0.68		
			32.29			1596.130	3191.252	1064.419	1596.125	3191.242	0.010	H5N4F1G	1596.115-1596.135	2839.3	0.12	
34			32.23		1064.419		3191.241			-0.001		1064.413-1064.425	10966.9	0.45		
			32.98		1166.784		3498.336	1166.783	1749.670	3498.332	0.004	H5N4F1G	1166.775-1166.789	5351.5	0.22	
35												total	246064.1	100		

LC-MS analysis of N-glycans on IgGs obtained from *Fut8*^{-/-} mice treated with 0.15 mg/g/day L-fucose on the 7th day (A-7).

No.	peptide	Retention time (min)	observed mass				calculated mass	theoretical mass			Δ mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative	
			M+4H	M+3H	M+2H	M+H	M+3H	M+2H	M+H							
1	EEQFNSTFR	36.08			1118.968	2236.928	746.313	1118.966	2236.924	0.004	H2N3F1	1118.959-1118.973	5370.6	0.12		
2		36.08			1199.994	2398.980			800.331	1199.992	2398.977	0.003	H3N3F1	1199.985-1199.999	29294.3	0.66
		36.25		800.331								0.000		800.326-800.336	3238.5	0.07
3		35.90				1281.021	2561.034	854.349	1281.019	2561.030	0.004	H4N3F1	1281.011-1281.027	5818.5	0.13	
		36.05				1301.534	2602.060			868.024	1301.532	2602.056	0.004	H3N4F1	1301.524-1301.540	411288
4		36.05		868.025			2602.059					0.003		868.019-868.029	406701	9.19
		35.85				1382.560	2764.112			922.042	1382.558	2764.109	0.003	H4N4F1	1382.550-1382.566	140325
5		35.82		922.042			2764.110					0.001		922.036-922.048	212101	4.79
		35.99				1403.073	2805.138					0.003	H3N5F1	1403.064-1403.080	16385.8	0.37
6		36.08		935.718			2805.138	935.717	1403.071	2805.135	0.003	H3N5F1	935.711-935.723	34390.9	0.78	
		35.70				1463.586	2926.164			976.059	1463.585	2926.162	0.002	H5N4F1	1463.576-1463.594	21687.7
7		35.73		976.060			2926.164					0.002		976.053-976.065	53573.4	1.21
		35.85		989.734			2967.186	989.735	1484.098	2967.188	-0.002	H4N5F1	989.729-989.741	7742	0.17	
9		36.92				1536.104	3071.200					0.001	H4N4F1G1	1536.095-1536.113	44176.4	1.00
		36.89		1024.406			3071.202	1024.405	1536.103	3071.199	0.003	H4N4F1G1	1024.399-1024.411	164047	3.71	
10		36.68				1617.132	3233.256	1078.423	1617.130	3233.252	0.004	H3N4F1G1	1617.120-1617.140	22508.4	0.51	
		36.62		1078.424			3233.256					0.004		1078.417-1078.429	82010.8	1.85
11		36.92				1637.645	3274.282	1092.098	1637.643	3274.279	0.003	H4N5F1G1	1637.633-1637.653	2014	0.05	
		36.95		1092.100			3274.284					0.005		1092.091-1092.105	4167.5	0.09
12		37.41				1770.675	3540.342	1180.786	1770.675	3540.342	0.000	H5N4F1G2	1770.664-1770.686	4831.2	0.11	
		37.46		1180.788			3540.348					0.006		1180.776-1180.793	36164.4	0.82
13		36.42				1228.505	2456.002	819.338	1228.503	2455.998	0.004	H3N4	1228.496-1228.510	10867.2	0.25	
		36.39		819.339			2456.001					0.003		819.333-819.343	10508.6	0.24
14		36.14				1309.530	2618.052					0.001	H4N4	1309.521-1309.537	4018.9	0.09
		36.17		873.357			2618.055	873.356	1309.529	2618.051	0.004	H4N4	873.351-873.361	4084.3	0.09	
15		30.47				1119.961	2238.914	746.976	1119.960	2238.913	0.001	H3N3F1	1119.954-1119.968	11607.3	0.26	
		30.61		746.976			2238.912					-0.001		746.972-746.980	2219.9	0.05
16		30.15				1200.992	2400.976	800.994	1200.987	2400.966	0.010	H4N3F1	1200.980-1200.994	4862.7	0.11	
		29.97				1221.502	2441.996					0.003		1221.493-1221.507	55004.6	1.24
17		a				1221.502	2441.996					0.003	H3N4F1	1221.493-1221.507	186334	4.21
		b				1221.502	2441.996	814.670	1221.500	2441.993	0.001	H3N4F1		44779.7	1.01	
		a		814.67			2441.994					0.001		814.664-814.674	112349	2.54
		b		814.670			2441.994					0.001			112349	2.54
18		a				1302.528	2604.048					0.003		1302.519-1302.535	322589	7.29
		b				1302.528	2604.048	868.687	1302.526	2604.045	0.003	H4N4F1		249223	5.63	
		a		868.687			2604.045					0.000		868.682-868.692	258274	5.84
	b		868.688			2604.048					0.003			229007	5.18	
19	a				1323.041	2645.074					0.002		1323.032-1323.048	2528.2	0.06	
	b				1323.040	2645.072	882.363	1323.040	2645.072	0.000	H3N5F1		3078.7	0.07		
	a		882.362			2645.070					-0.002		882.357-882.367	5403.3	0.12	
	b		882.363			2645.073					0.001			5913.5	0.13	
20	31.08				1354.531	2708.054	903.357	1354.532	2708.056	-0.002	H4N3F1G1	1354.524-1354.540	3171.2	0.07		
	31.14		903.357			2708.055					-0.001		903.352-903.362	2194.5	0.05	
21	a				1383.555	2766.102					0.004		1383.545-1383.561	79079.8	1.79	
	b				1383.555	2766.102	922.705	1383.553	2766.098	0.004	H5N4F1		50570.5	1.14		
	a		922.705			2766.099					0.001		922.699-922.711	80177.3	1.81	
	b		922.705			2766.099					0.001			52592.5	1.19	
22				29.95	936.381	2807.127	936.380	1404.066	2807.125	0.002	H4N5F1	936.374-936.386	3117.4	0.07		
23				30.29	957.372	2870.100	957.375	1435.558	2870.109	-0.009	H5N3F1G1	957.369-957.381	2837.8	0.06		
24	a				1456.073	2911.138					0.002		1456.063-1456.081	43446.1	0.98	
	b				1456.074	2911.140	971.051	1456.072	2911.136	0.004	H4N4F1G1		25337	0.57		
	a		971.052			2911.140					0.004		971.044-971.056	95136.7	2.15	
	b		971.051			2911.137					0.001			43424.5	0.98	
25				29.37	1464.577	2928.146	976.722	1464.579	2928.151	-0.005	H6N4F1	1464.570-1461.588	1784.4	0.04		
26				29.31	976.723	2928.153					0.002		976.716-976.728	3209.2	0.07	
27	30.15				1537.102	3073.196	1025.068	1537.098	3073.188	0.008	H5N4F1G1	1537.089-1537.107	47021.8	1.06		
	30.53				1557.618	3114.228	1038.744	1557.611	3114.215	0.013	H4N5F1G1	1557.602-1557.620	3142.6	0.07		
28				30.61	1690.642	3380.276	1127.432	1690.643	3380.279	-0.003	H5N4F1G2	1690.633-1690.653	10358	0.23		
29	31.67				1178.989	2356.970					0.004		1178.980-1178.994	2192.9	0.05	
	31.79		786.328			2356.968	786.327	1178.987	2356.966	0.002	H3N3F1	786.322-786.332	13471.2	0.30		
30	31.48				1260.016	2519.024	840.345	1260.013	2519.019	0.005	H4N3F1	1260.005-1230.021	4439.7	0.10		
	31.64				1280.529	2560.050	854.021	1280.527	2560.046	0.004	H3N4F1	1280.519-1280.535	157569	3.56		
31	31.61		854.021			2560.047					0.001		854.015-854.025	153216	3.46	
	31.45				1361.555	2722.102	908.038	1361.553	2722.098	0.004	H4N4F1	1361.545-1361.561	109155	2.47		
32	31.42		908.039			2722.101					0.003		908.033-908.043	79807	1.80	
	31.39				1442.581	2884.154	962.056	1442.579	2884.151	0.003	H5N4F1	1442.571-1442.589	36083.6	0.82		
33	31.36		962.057			2884.155					0.004		962.050-962.062	17540.9	0.40	
	32.39				1515.104	3029.200	1010.402	1515.098	3029.189	0.011	H4N4F1G1	1515.089-1515.107	28975.5	0.65		
34	32.36		1010.403			3029.193					0.004		1010.395-1010.407	7252	0.16	
	32.19				1596.130	3191.252	1064.419	1596.125	3191.242	0.010	H5N4F1G1	1596.115-1596.135	23990.1	0.54		
35	32.19		1064.420			3191.244					0.002		1064.413-1064.425	8224.4	0.19	
	32.88		1166.786			3498.342	1166.783	1749.670	3498.332	0.010	H5N4F1G2	1166.775-1166.789	6059.5	0.14		
												total	4425066	100.00		

No.	peptide	Retention time (min)	observed mass				calculated mass	thoretical mass			Δ mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative
			M+4H	M+3H	M+2H	M+H		M+3H	M+2H	M+H					
1		36.25			1199.993	2398.978		800.331	1199.992	2398.977	0.001	H3N3F1	1199.985-1199.999	3150.6	0.19
		36.30	800.33			2398.974					-0.003		800.326-800.336	10969.3	0.66
2		36.04			1281.018	2561.028		854.349	1281.019	2561.030	-0.002	H4N3F1	1281.011-1281.027	3632.4	0.22
		36.19			1301.534	2602.060					0.004		1301.524-1301.540	109389.4	6.62
3		36.16	868.025			2602.059		868.024	1301.532	2602.056	0.003	H3N4F1	868.019-868.029	97861.5	5.93
		35.98			1382.56	2764.112					0.003		1382.550-1382.566	69817.3	4.23
4		35.95	922.042			2764.110		922.042	1382.558	2764.109	0.001	H4N4F1	922.036-922.048	39721.3	2.41
		36.30	935.72			2805.144		935.717	1403.071	2805.135	0.009	H3N5F1	935.711-935.723	2949.4	0.18
5		35.86			1463.587	2926.166					0.004		1463.576-1463.594	21632	1.31
		35.83	976.06			2926.164		976.059	1463.585	2926.162	0.002	H5N4F1	976.053-976.065	6840.9	0.41
6		36.01	989.738			2967.198		989.735	1484.098	2967.188	0.010	H4N5F1	989.729-989.741	1360.7	0.08
		36.95			1536.107	3071.206					0.007		1536.095-1536.113	48349.7	2.93
7		36.95	1024.406			3071.202		1024.405	1536.103	3071.199	0.003	H4N4F1G1	1024.399-1024.411	7990.2	0.48
		36.77			1617.135	3233.262					0.010		1617.120-1617.140	29026.7	1.76
8		36.71	1078.423			3233.253		1078.423	1617.130	3233.252	0.001	H5N4F1G1	1078.417-1078.429	5825.5	0.35
		37.55	1180.787			3540.345		1180.786	1770.675	3540.342	0.003	H5N4F1G2	1180.779-1180.793	10414.7	0.63
9		36.62			1228.504	2456.000		819.338	1228.503	2455.998	0.002	H3N4	128.496-1228.510	5779.5	0.35
		36.28			1309.532	2618.056					0.005		1309.521-1309.537	2313.9	0.14
10		36.39	873.356			2618.052		873.356	1309.529	2618.051	0.001	H4N4	873.351-873.361	2354.5	0.14
		37.38	975.719			2925.141		975.719	1463.074	2925.141	0.000	H4N4G1	975.713-975.725	1339.8	0.08
14	a	30.07			1119.961	2238.914					0.001			3083.6	0.19
	b	30.62			1119.963	2238.918		746.976	1119.960	2238.913	0.005	H3N3F1	1119.954-1119.968	1951	0.12
	a	30.65	746.975			2238.909					-0.004		746.972-746.980	1455.3	0.09
	b	30.77	746.977			2238.915					0.002			5996.8	0.36
15		30.30			1200.990	2400.972		800.994	1200.987	2400.966	0.006	H4N3F1	1200.980-1200.994	1319.6	0.08
		30.56	800.995			2400.969					0.003		800.989-800.999	4016.4	0.24
16	a	29.98			1221.501	2441.994					0.001			27368.7	1.66
	b	30.56			1221.502	2441.996		814.670	1221.500	2441.993	0.003	H3N4F1	1221.493-1221.507	86307.4	5.23
	a	29.98	814.67			2441.994					0.001		814.664-814.674	31505	1.91
	b	30.56	814.67			2441.994					0.001			67404.2	4.08
17	a	29.62			1302.528	2604.048					0.003			39977.7	2.42
	b	30.33			1302.528	2604.048					0.003		1302.519-1302.535	124628.3	7.55
	a	29.73	868.688			2604.048		868.687	1302.526	2604.045	0.003	H4N4F1		14949.1	0.91
	b	30.33	868.688			2604.048					0.003		868.682-868.692	155976.7	9.45
18		31.03	903.358			2708.058		903.380	1354.566	2708.125	-0.067	H4N3F1G1	903.352-903.362	1162.7	0.07
		29.59			1383.555	2766.102					0.004		1383.545-1383.561	10024.8	0.61
19	a	30.24			1383.556	2766.104					0.006			22174.5	1.34
	b	29.56	922.705			2766.099		922.705	1383.553	2766.098	0.001	H5N4F1		8307.9	0.50
	a	30.17	922.705			2766.099					0.001		922.699-922.711	26694.3	1.62
	b	30.39			1456.074	2911.140					0.004		1456.063-1456.081	11485	0.70
20	a	30.70			1456.074	2911.140					0.004			10063.1	0.61
	b	30.33	971.051			2911.137		971.051	1456.072	2911.136	0.001	H4N4F1G1		31423.1	1.90
	a	30.97	971.051			2911.137					0.001		971.044-971.056	20923	1.27
	b	30.24			1537.100	3073.192					0.004		1537.089-1537.107	16135.4	0.98
21	a	30.77			1537.1	3073.192					0.004			10719	0.65
	b	30.24	1025.069			3073.191		1025.068	1537.098	3073.188	0.003	H5N4F1G1		65645.6	3.98
	a	30.80	1025.069			3073.191					0.003		1025.062-1025.074	45537.1	2.76
	b	30.59			1690.648	3380.288					0.009			2930.3	0.18
22	a	31.24			1690.641	3380.274					-0.005		1690.633-1690.653	3103.9	0.19
	b	30.65	1127.433			3380.283		1127.432	1690.643	3380.279	0.004	H5N4F1G2		16771.7	1.02
	a	31.21	1127.432			3380.280					0.001		1127.424-1127.438	11104.2	0.67
	b	31.83			1178.989	2356.970					0.004		1178.981-1178.994	1543.2	0.09
23		31.89	786.328			2356.968		786.327	1178.987	2356.966	0.002	H3N3F1	786.322-786.332	6371.9	0.39
		31.58			1260.02	2519.032		840.345	1260.013	2519.019	0.013	H4N3F1	1260.005-1260.021	2374.3	0.14
24		31.76			1280.528	2560.048					0.002		1280.519-1280.535	60041.8	3.64
		31.76	854.021			2560.047		854.021	1280.527	2560.046	0.001	H3N4F1	854.015-854.025	52120.7	3.16
25		31.61			1361.555	2722.102					0.004		1361.545-1361.561	66786.7	4.04
		31.55	908.039			2722.101		908.038	1361.553	2722.098	0.003	H4N4F1	908.033-908.043	34249.1	2.07
26		32.65	942.709			2826.111		942.708	1413.558	2826.109	0.002	H4N3F1G1	942.702-942.714	2165.3	0.13
		31.48			1442.583	2884.158		962.056	1442.579	2884.151	0.007	H5N4F1	1442.571-1442.589	17440.9	1.06
27		31.52	962.056			2884.152					0.001		962.050-962.062	10193	0.62
		32.44			1515.102	3029.196					0.007		1515.089-1515.107	22260.8	1.35
28		32.47	1010.403			3029.193		1010.402	1515.098	3029.189	0.004	H4N4F1G1	1010.395-1010.407	6125.4	0.37
		32.26			1596.13	3191.252		1064.419	1596.125	3191.242	0.010	H5N4F1G1	1596.115-1596.135	3103	0.19
29		32.18			1207.498	2413.988					0.000		1207.491-1207.505	1971	0.12
		32.11	805.335			2413.989		805.335	1207.498	2413.988	0.001	H3N4	805.329-805.339	2207.7	0.13
30		31.86	859.352			2576.040		859.352	1288.524	2576.041	-0.001	H4N4	859.347-859.357	1575.3	0.10
													total	1651394.8	100

LC-MS analysis of N-glycans on IgGs obtained from *Fut8*^{-/-} mice before treatment with 0.4 mg/g/day L-fucose_0th day (B-0).

No.	peptide	Retention time (min)	observed mass			calculated mass		theoretical mass			Δ -mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative
			M+4H	M+3H	M+2H	M+H	M+3H	M+2H	M+H						
1	EEQFNSTFR	36.07		1199.993	2398.978		800.331	1199.992	2398.977	0.001	H3N3F1	1199.985-1199.999	12094.9	0.37	
		36.24	800.331		2398.977					0.000		800.326-800.336	3898	0.12	
		35.75		1281.019	2561.030	854.349	1281.019	2561.030	0.000	H4N3F1	1281.011-1281.027	5519.9	0.17		
3	EEQFNSTFR	36.04		1301.533	2602.058		868.024	1301.532	2602.056	0.002	H3N4F1	1301.524-1301.540	188623.7	5.81	
		36.07	868.025		2602.059					0.003		868.019-868.029	171123.7	5.27	
4	EEQFNSTFR	35.78		1382.560	2764.112		922.042	1382.558	2764.109	0.003	H4N4F1	1382.550-1382.566	84264.1	2.60	
		35.84	922.043		2764.113					0.004		922.036-922.048	112879.1	3.48	
5	EEQFNSTFR	36.07		935.720	2805.144		935.717	1403.071	2805.135	0.009	H3N5F1	935.711-935.723	2811	0.09	
		35.72		1463.586	2926.164		976.059	1463.585	2926.162	0.002	H5N4F1	1463.576-1463.594	14657.2	0.45	
6	EEQFNSTFR	35.75		976.060	2926.164					0.002		976.053-976.065	28692.2	0.88	
		36.96		1536.106	3071.204		1024.405	1536.103	3071.199	0.005	H4N4F1G	1536.095-1536.113	28188.3	0.87	
7	EEQFNSTFR	36.96	1024.406		3071.202		1024.405	1536.103	3071.199	0.003	H4N4F1G	1024.399-1024.411	82136.3	2.53	
		37.16	1030.072		3088.200	1030.077	1544.611	3088.215	-0.015	H6N4F1	1030.071-1030.083	2777.4	0.09		
9	EEQFNSTFR	36.63		1617.132	3233.256		1078.423	1617.130	3233.252	0.004	H5N4F1G	1617.120-1617.140	13644.7	0.42	
		36.66	1078.424		3233.256					0.004		1078.417-1078.429	63196.6	1.95	
10	EEQFNSTFR	37.56	1180.788		3540.348	1180.786	1770.675	3540.342	0.006	H5N4F1G2	1180.779-1180.793	26275.6	0.81		
		36.43		1228.504	2456.000	819.338	1228.503	2455.998	0.002	H3N4	1228.496-1228.510	5582.3	0.17		
11	EEQFNSTFR	36.32		1309.530	2618.046		873.356	1309.529	2618.051	0.001	H4N4	1309.521-1309.537	5430.4	0.17	
		36.12	873.354		2618.046					-0.005		873.351-873.361	2456.4	0.08	
13	EEQFNSTFR	37.39	975.719		2925.141	975.719	1463.074	2925.141	0.000	H4N4G1	975.713-975.725	2516.4	0.08		
		29.92		1119.961	2238.914		746.976	1119.960	2238.913	0.001	H3N3F1	1119.954-1119.968	5156.2	0.16	
14	EEQFNSTFR	30.55		1119.963	2238.918					0.005			9782.7	0.30	
		30.18		1200.990	2400.972		800.994	1200.987	2400.966	0.006	H4N3F1	1200.980-1200.994	1553	0.05	
15	EEQFNSTFR	30.44	800.994		2400.966					0.000		800.989-800.999	6491.5	0.20	
		29.86		1221.501	2441.994					0.001			47827.3	1.47	
16	EEQFNSTFR	30.38		1221.502	2441.996		814.670	1221.500	2441.993	0.003	H3N4F1	1221.493-1221.507	184914.5	5.70	
		29.80	814.669		2441.991					-0.002			49110.4	1.51	
17	EEQFNSTFR	30.38	814.670		2441.994					0.001		814.664-814.674	127808.2	3.94	
		29.56		1302.527	2604.046					0.001		1302.519-1302.535	43803.6	1.35	
17	EEQFNSTFR	30.14		1302.529	2604.050		868.687	1302.526	2604.045	0.005	H4N4F1		259487.6	7.99	
		29.56	868.688		2604.048					0.003		868.682-868.692	26838.6	0.83	
18	EEQFNSTFR	30.14	868.688		2604.048					0.003			254065	7.82	
		30.72	882.364		2645.076	882.363	1323.040	2645.072	0.004	H3N5F1	882.357-882.367	2268.6	0.07		
19	EEQFNSTFR	31.15	903.360		2708.064	903.360	1354.566	2708.125	-0.061	H4N3F1G	1903.352-903.362	2132.3	0.07		
		29.48		1383.552	2766.096		922.705	1383.553	2766.098	-0.002	H5N4F1	1383.545-1383.561	23857.8	0.73	
20	EDYNSTLR	30.05		1383.552	2766.096					-0.002			39446.8	1.21	
		29.39	922.705		2766.099					0.001		922.699-922.711	19516.2	0.60	
20	EDYNSTLR	30.05	922.705		2766.099					0.001			45670.3	1.41	
		30.21		1456.074	2911.140					0.004		1456.063-1456.081	24724.4	0.76	
21	EDYNSTLR	30.77		1456.074	2911.140		971.051	1456.072	2911.136	0.004	H4N4F1G		22604.6	0.70	
		30.21	971.051		2911.137					0.001		971.044-971.056	57719.6	1.78	
21	EDYNSTLR	30.86		971.051	2911.137					0.001			40396.1	1.24	
		29.33	976.722		2928.150	976.722	1464.579	2928.151	-0.001	H6N4F1	976.716-976.728	2224.6	0.07		
23	EAQYNSTFR	30.11		1537.102	3073.196					0.008		1537.602-1537.107	35324.6	1.09	
		30.66		1537.101	3073.194		1025.068	1537.098	3073.188	0.006	H5N4F1G		23827.5	0.73	
23	EAQYNSTFR	30.08	1025.069		3073.191					0.003		1025.062-1025.074	111328.7	3.43	
		30.63	1025.069		3073.191					0.003			67805.4	2.09	
24	EAQYNSTFR	29.92		1618.130	3235.252	1079.086	1618.124	3235.241	0.011	H6N4F1G	1617.486-1619.860	3670.5	0.11		
		30.58		1690.651	3380.294					0.015		1690.633-1690.653	6421.7	0.20	
25	EAQYNSTFR	31.18		1690.642	3380.276					-0.003			3009.6	0.09	
		30.55	1127.433		3380.283	1127.432	1690.643	3380.279	0.004	H5N4F1G2		1127.424-1127.438	32069.8	0.99	
25	EAQYNSTFR	31.15	1127.433		3380.283					0.004			18033.4	0.56	
		31.67		1178.988	2356.968	786.327	1178.987	2356.966	0.002	H3N3F1	1178.980-1178.994	12930.4	0.40		
26	EAQYNSTFR	31.71	786.328		2356.968					0.002		786.322-786.332	4554.6	0.14	
		31.40		1260.018	2519.028	840.345	1260.013	2519.019	0.009	H3N3F1	1260.005-1260.021	7559.2	0.23		
27	EAQYNSTFR	31.49	840.347		2519.025					0.006		840.340-840.350	1566.9	0.05	
		31.65		1280.528	2560.048	854.021	1280.527	2560.046	0.002	H3N4F1	1280.519-1280.535	158008.9	4.87		
28	EAQYNSTFR	31.62	854.021		2560.047					0.001		854.015-854.025	161587.7	4.98	
		31.46		1361.555	2722.102	908.038	1361.553	2722.098	0.004	H4N4F1	1361.545-1361.561	112377.8	3.46		
29	EAQYNSTFR	31.43	908.039		2722.101					0.003		908.033-908.043	134055.9	4.13	
		32.46	942.704		2826.096	942.708	1413.558	2826.109	-0.013	H4N3F1G	942.702-942.714	1376.2	0.04		
30	EAQYNSTFR	31.34		1442.582	2884.156	962.056	1442.579	2884.151	0.005	H5N4F1	1442.571-1442.589	23954.6	0.74		
		31.34	962.057		2884.155					0.004		962.050-962.062	39923.1	1.23	
32	EAQYNSTFR	32.28		1515.102	3029.196	1010.402	1515.098	3029.189	0.007	H4N4F1G	1515.089-1515.107	12538.9	0.39		
		32.34	1010.402		3029.190					0.001		1010.395-1010.407	42399.5	1.31	
33	EAQYNSTFR	32.13		1596.127	3191.246	1064.419	1596.125	3191.242	0.004	H5N4F1G	1596.115-1596.135	9895.5	0.30		
		32.16	1064.420		3191.244					0.002		1064.413-1064.425	40928.7	1.26	
34	EAQYNSTFR	32.77		1749.671	3498.334	1166.783	1749.670	3498.332	0.002	H5N4F1G2	1749.660-1749.680	4643.5	0.14		
		32.83	1166.785		3498.339					0.007		1166.775-1166.789	11413	0.35	
35	EAQYNSTFR	32.05		1207.500	2413.992	805.335	1207.498	2413.988	0.004	H3N4	1207.491-1207.505	2911.3	0.09		
		31.99	805.336		2413.992					0.004		805.329-805.339	3552.6	0.11	
36	EAQYNSTFR	31.74		1288.527	2576.046	859.352	1288.524	2576.041	0.005	H4N4	1288.516-1288.532	1928.4	0.06		
		31.71	859.351		2576.037					-0.004		859.347-859.357	3119.6	0.10	
											total	3246885.6	100		

No.	peptide	Retention time (min)	observed mass			calculated mass	theoretical mass			Δ mass	Structure	mass range for EIC (+ 6ppm)	Intensity	relative	
			M+4H	M+3H	M+2H	M+H	M+3H	M+2H	M+H						
1	EEQFNSTFR	36.09			1118.970	2236.932	746.313	1118.966	2236.924	0.008	H2N3F1	1118.959-1118.973	5098.9	0.11	
2		36.09			1199.993	2398.978				0.001	H3N3F1	1199.985-1199.999	17250.2	0.38	
		36.15	800.331			2398.977		800.331	1199.992	2398.977	0.000		800.326-800.336	3060.8	0.07
3		35.79			1281.018	2561.028		854.349	1281.019	2561.030	-0.002	H4N3F1	1281.011-1281.027	5673.7	0.12
		36.09			1301.534	2602.060					0.004		1301.524-1301.540	252844	5.54
4		36.06		868.025		2602.059		868.024	1301.532	2602.056	0.003	H3N4F1	868.019-868.029	241847	5.30
		35.79			1382.560	2764.112			922.042	1382.558	2764.109	0.003	H4N4F1	1382.550-1382.566	119347
5		35.85		922.043		2764.113					0.004		922.0366-922.048	139839	3.06
		36.15		935.715		2805.129		935.717	1403.071	2805.135	-0.006	H3N5F1	935.711-935.723	2741.6	0.06
6		35.64			1463.586	2926.164		976.059	1463.585	2926.162	0.002	H5N4F1	1463.576-1463.594	24612.2	0.54
		35.73		976.060		2926.164					0.002		976.053-976.065	35924.3	0.79
7		36.92			1536.105	3071.202		1024.405	1536.103	3071.199	0.003	H4N4F1G1	1536.095-1536.113	32146.6	0.70
		36.95		1024.406		3071.202					0.003		1024.399-1024.411	113396	2.48
8		37.07		1030.074		3088.206		1030.077	1544.611	3088.215	-0.009	H6N4F1	1030.071-1030.083	3070.7	0.07
		36.75			1617.134	3233.260		1078.423	1617.130	3233.252	0.008	H5N4F1G1	1617.120-1617.140	19762	0.43
9		36.69		1078.424		3233.256					0.004		1078.417-1078.429	71770.3	1.57
		37.54		1180.788		3540.348		1180.786	1770.675	3540.342	0.006	H5N4F1G2	1180.779-1180.793	34626.6	0.76
10		36.35			1228.504	2456.000		819.338	1228.503	2455.998	0.002	H3N4	1228.496-1228.510	10668.8	0.23
		36.15			1309.530	2618.052					0.001		1309.521-1309.537	6465.9	0.14
11		36.09		873.356		2618.052		873.356	1309.529	2618.051	0.001	H4N4	873.351-873.361	7289.9	0.16
		29.92			1119.960	2238.912					-0.001		1119.954-1119.968	28987.3	0.64
12		a	30.45		1119.963	2238.918		746.976	1119.960	2238.913	0.005	H3N3F1	1119.954-1119.968	15788.4	0.35
		b	30.50	746.976		2238.912					-0.001		746.972-746.980	4213.3	0.09
13		a	30.28		1200.990	2400.972		800.994	1200.987	2400.966	0.006	H4N3F1	1200.980-1200.994	7758.6	0.17
		b	29.87		1221.501	2441.994					0.001		1221.493-1221.507	72722.6	1.59
14		a	30.37		1221.502	2441.996		814.670	1221.500	2441.993	0.003	H3N4F1		299884	6.57
		b	29.81	814.669		2441.991					-0.002		814.664-814.674	67337.2	1.48
		a	30.37	814.670		2441.994					0.001			166674	3.65
		b	29.51		1302.528	2604.048					0.003		1302.519-1302.535	129184	2.83
15		a	30.15		1302.528	2604.048		868.687	1302.526	2604.045	0.003	H4N4F1		385042	8.44
		b	29.46	868.687		2604.045					0.000		868.682-868.692	92880.9	2.04
		a	30.12	868.688		2604.048					0.003			331016	7.25
		b	30.69		1323.042	2645.076		882.363	1323.040	2645.072	0.004	H3N5F1	1323.032-1323.048	2333.2	0.05
16		a	31.10		1354.537	2708.066		903.380	1354.566	2708.125	-0.059	H4N3F1G1	1354.524-1354.540	3928.8	0.09
		b	31.10	903.358		2708.058					-0.067		903.352-903.362	3415.8	0.07
17	a	30.03		922.705	2766.099		922.705	1383.553	2766.098	0.001	H5N4F1	922.699-922.711	77599.7	1.70	
	b	30.23		1456.075	2911.142					0.006		1456.063-1456.081	44562.3	0.98	
18	a	30.82		1456.073	2911.138		971.051	1456.072	2911.136	0.002	H4N4F1G1		26353	0.58	
	b	30.26	971.052		2911.140					0.004		971.044-971.056	63712.1	1.40	
	a	30.90	971.051		2911.137					0.001			49101.7	1.08	
	b	29.40	976.721		2928.147		976.722	1464.579	2928.151	-0.004	H6N4F1	976.716-976.728	4444.5	0.10	
19	a	30.12		1537.102	3073.196					0.008		1537.089-1537.107	59372.2	1.30	
	b	30.66		1537.100	3073.192		1025.068	1537.098	3073.188	0.004	H5N4F1G1		46171.5	1.01	
	a	30.12	1025.069		3073.191					0.003		1025.062-1025.074	144330	3.16	
	b	30.66	1025.069		3073.191					0.003			112133	2.46	
20	a	30.45		1038.745	3114.219		1038.744	1557.611	3114.215	0.004	H4N5F1G1	1038.738-1038.750	3783.3	0.08	
	b	39.95	1079.085		3235.239		1079.086	1618.124	3235.241	-0.002	H6N4F1G1	1079.080-1079.092	8826.2	0.19	
21	a	30.52		1690.649	3380.290					0.011		1690.633-1690.653	11978.1	0.26	
	b	31.16		1690.641	3380.274		1127.432	1690.643	3380.279	-0.005	H5N4F1G2		7260.1	0.16	
	a	30.58	1127.433		3380.283					0.004		1127.424-1127.438	37694.6	0.83	
	b	31.13	1127.434		3380.286					0.007			243806	5.34	
22	a	31.67		786.328	2356.968		786.327	1178.987	2356.966	0.006	H3N3F1	1178.980-1178.994	19257.1	0.42	
	b	31.43		1260.016	2519.024		840.345	1260.013	2519.019	0.005	H4N3F1	1260.005-1260.021	9329.7	0.20	
23	a	31.58		1280.529	2560.050		854.021	1280.527	2560.046	0.004	H3N4F1	1280.519-1280.535	202623	4.44	
	b	31.55	854.021		2560.047					0.001		854.015-854.025	160448	3.52	
24	a	31.34		1361.556	2722.104		908.038	1361.553	2722.098	0.006	H4N4F1	1361.545-1361.561	113923	2.50	
	b	31.40	908.039		2722.101					0.003		908.033-908.043	145432	3.19	
25	a	31.34		1442.581	2884.154		962.056	1442.579	2884.151	0.003	H5N4F1	1442.571-1442.589	28572.8	0.63	
	b	31.34	962.057		2884.155					0.004		962.050-962.062	51890.9	1.14	
26	a	32.21		1515.101	3029.194					0.005		1515.089-1515.107	12513.2	0.27	
	b	32.32	1010.402		3029.190		1010.402	1515.098	3029.189	0.001	H4N4F1G1	1010.395-1010.407	50088.9	1.10	
27	a	32.10		1596.129	3191.250		1064.419	1596.125	3191.242	0.008	H5N4F1G1	1596.115-1596.135	10121	0.22	
	b	32.16	1064.421		3191.247					0.005		1064.413-1064.425	33162.2	0.73	
28	a	32.89	1166.784		3498.336		1166.783	1749.670	3498.332	0.004	H5N4F1G2	1166.775-1166.789	15851.4	0.35	
	b	31.94		1207.499	2413.990		805.335	1207.498	2413.988	0.002		1207.491-1207.505	6028.4	0.13	
29	a	31.97	805.335		2413.989					0.001	H3N4	805.329-805.339	2353.6	0.05	
	b											total	4564147	100	

No.	peptide	Retention time (min)	observed mass			calculated mass	theoretical mass				Δ mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative
			M+4H	M+3H	M+2H	M+H	M+3H	M+2H	M+H						
1	EEQFNST FR	36.02		1118.965	2236.922	746.313	1118.966	2236.924			-0.002	H2N3F1	1118.959-1118.973	1822.9	0.13
2		36.15		1199.994	2398.980		800.331	1199.992	2398.977		0.003	H3N3F1	1199.985-1199.999	15689.4	1.11
		36.29	800.331	2398.977							0.000		80.326-800.336	2651.8	0.19
3		35.93	1281.018	2561.028	854.349	1281.019	2561.030				-0.002	H4N3F1	1281.011-1281.027	5050.9	0.36
		36.15		1301.534	2602.060	868.024	1301.532	2602.056			0.004	H3N4F1	1301.524-1301.540	152752	10.84
4		36.15	868.025	2602.059							0.003		868.019-868.029	188721.3	13.39
		35.96	1382.560	2764.112							0.003	H4N4F1	1382.550-1382.566	60509	4.29
5		35.93	922.042	2764.110	922.042	1382.558	2764.109				0.001		922.036-922.048	109802.2	7.79
		36.12		1403.071	2805.134	935.717	1403.071	2805.135			-0.001	H3N5F1	1403.064-1403.080	2846.9	0.20
6		36.12	935.718	2805.138							0.003		935.711-935.723	12206.3	0.87
7		37.17	956.711	2868.117	956.712	1434.564	2868.120				-0.003	H4N3F1G1	956.706-956.718	1148.5	0.08
8		35.81		1463.585	2926.162	976.059	1463.585	2926.162			0.000	H5N4F1	1463.576-1463.594	11578.7	0.82
	35.84	976.060	2926.164							0.002		976.053-976.065	34199.1	2.43	
9	36.98		1536.105	3071.202	1024.405	1536.103	3071.199			0.003	H4N4F1G1	1536.095-1536.113	14932.2	1.06	
	37.01	1024.406	3071.202							0.003		1024.399-1024.411	70068.2	4.97	
10	36.77		1617.133	3233.258	1078.423	1617.130	3233.252			0.006	H5N4F1G1	1617.120-1617.140	8465.8	0.60	
	36.74	1078.424	3233.256							0.004		1078.417-1078.429	49376.7	3.50	
11	37.11	1092.100	3274.284	1092.098	1637.643	3274.279				0.005	H4N5F1G1	1092.091-1092.105	1419	0.10	
	36.41	1132.441	3395.307	1132.440	1698.156	3395.305				0.002	H6N4F1G1	1132.433-1132.447	3552.1	0.25	
13	37.60		1770.676	3540.344	1180.786	1770.675	3540.342			0.002	H5N4F1G2	1770.664-1770.686	2132.6	0.15	
	37.60	1180.788	3540.348							0.006		1180.779-1180.793	19728.4	1.40	
14	36.53	1228.506	2456.004	819.338	1228.503	2455.998				0.006	H3N4	1228.496-1228.510	4105	0.29	
15	36.26	873.355	2618.049	873.356	1309.529	2618.051				-0.002	H4N4	873.351-873.361	2806.2	0.20	
16	a	29.95		1119.964	2238.920					0.007	H3N3F1	1119.954-1119.968	2300.5	0.16	
	b	30.51		1119.963	2238.918	746.976	1119.960	2238.913		0.005			3181.8	0.23	
17	30.20		1200.987	2400.966	800.994	1200.987	2400.966			0.000	H4N3F1	1200.980-1200.994	3417.8	0.24	
18	a	29.95		1221.502	2441.996					0.003	H3N4F1	1221.493-1221.507	35456.5	2.52	
	b	30.48		1221.502	2441.996	814.670	1221.500	2441.993		0.003			32069.7	2.27	
	a	29.95	814.669	2441.991						-0.002			34834.7	2.47	
	b	30.54	814.670	2441.994						0.001			30217.6	2.14	
19	a	29.62		1302.532	2604.056					0.011	H4N4F1	1302.519-1302.535	17885	1.27	
	b	30.27		1302.528	2604.048	868.687	1302.526	2604.045		0.003			79644.6	5.65	
	a	30.27	868.688	2604.048						0.003			94784.5	6.72	
20	30.17		1323.042	2645.076	882.363	1323.040	2645.072			0.004	H3N5F1	1323.032-1323.048	1578.2	0.11	
21	30.20		1383.554	2766.100						0.002	H5N4F1	1383.545-1383.561	24422.8	1.73	
	30.17	922.706	2766.102	922.705	1383.553	2766.098				0.004			31530.5	2.24	
22	30.04	936.380	2807.124	936.380	1404.066	2807.125				-0.001	H4N5F1	936.374-936.386	2171	0.15	
23	a	30.30		1456.073	2911.138					0.002	H4N4F1G1	1456.063-1456.081	7282.5	0.52	
	b	30.83		1456.073	2911.138	971.051	1456.072	2911.136		0.002			5949.7	0.42	
	a	30.42	971.051	2911.137						0.001			18045	1.28	
	b	30.86	971.051	2911.137						0.001			15397.5	1.09	
24	29.42	976.723	2928.153	976.722	1464.579	2928.151				0.002	H6N4F1	976.716-976.728	1194.4	0.08	
25	a	30.20		1537.102	3073.196					0.008	H5N4F1G1	1537.089-1537.107	7469.7	0.53	
	b	30.78		1537.100	3073.192	1025.068	1537.098	3073.188		0.004			10291.9	0.73	
	a	30.20	1025.069	3073.191						0.003			32189.5	2.28	
	b	30.78	1025.068	3073.188						0.000			33342.7	2.37	
26	29.98	1079.085	3235.239	1079.086	1618.124	3235.241				-0.002	H6N4F1G1	1079.080-1079.092	2131.6	0.15	
27	b	31.16		1690.642	3380.276					-0.003	H5N4F1G2	1690.633-1690.653	1247.3	0.09	
	a	30.57	1127.433	3380.283	1127.432	1690.643	3380.279			0.004			7387.9	0.52	
	b	31.19	1127.433	3380.283						0.004			7896.7	0.56	
28	31.72		1178.990	2356.972	786.327	1178.987	2356.966			0.006	H3N3F1	1178.980-1178.994	1538.5	0.11	
29	31.72		1280.528	2560.048	854.021	1280.527	2560.046			0.002	H3N4F1	854.015-854.025	16371.1	1.16	
	31.69	854.021	2560.047							0.001			17934.7	1.27	
30	31.57		1361.555	2722.102	908.038	1361.553	2722.098			0.004	H4N4F1	1361.545-1361.561	13314.6	0.94	
	31.50	908.038	2722.098							0.000			17113.8	1.21	
31	31.41		1442.581	2884.154	962.056	1442.579	2884.151			0.003	H5N4F1	1442.571-1442.589	3148.1	0.22	
	31.44	962.056	2884.152							0.001			6937.8	0.49	
32	32.42		1515.100	3029.192	1010.402	1515.098	3029.189			0.003	H4N4F1G1	1515.089-1515.107	1332.7	0.09	
	32.26	1010.403	3029.193							0.004			4572	0.32	
33	32.22		1596.127	3191.246	1064.419	1596.125	3191.242			0.004	H5N4F1G1	1596.115-1596.135	1262.1	0.09	
	32.22	1064.422	3191.250							0.008			5380.4	0.38	
34	32.90	1166.782	3498.330	1166.783	1749.670	3498.332				-0.002	H5N4F1G2	1166.775-1166.789	1921.2	0.14	
													total	1409713.8	100

No.	peptide	Retention time (min)	observed mass				calculated mass				Δ mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative
			M+4H	M+3H	M+2H	M+H	M+4H	M+3H	M+2H	M+H					
1	EEQFNSTFR	36.15			1118.966	2236.924	746.313	1118.966	2236.924	0.000	H2N3F1	1118.959-1118.973	6134.2	0.18	
2		36.09			1199.992	2398.976				-0.001	H3N3F1	1199.985-1199.999	26640.9	0.80	
		36.27	800.331			2398.977	800.331	1199.992	2398.977	0.000		800.326-800.336	2875.3	0.09	
3		35.90			1281.019	2561.030	854.349	1281.019	2561.030	0.000	H4N3F1	1281.011-1281.027	8871.9	0.27	
4		36.12			1301.534	2602.060				0.004	H3N4F1	1301.524-1301.540	467532.9	14.08	
		36.12	868.025			2602.059	868.024	1301.532	2602.056	0.003		868.019-868.029	415323.4	12.51	
6		36.01			1382.560	2764.112				0.003	H4N4F1	1382.550-1382.566	161489.4	4.86	
		35.85	922.042			2764.110	922.042	1382.558	2764.109	0.001		922.036-922.048	215627.8	6.49	
7		36.15			1403.073	2805.138				0.003	H3N5F1	1403.064-1403.080	6686.1	0.20	
		36.15	935.718			2805.138	935.717	1403.071	2805.135	0.003		935.711-935.723	8841.4	0.27	
9		35.73			1463.586	2926.164				0.002	H5N4F1	1463.576-1463.594	30056.3	0.91	
		35.79	976.059			2926.161	976.059	1463.585	2926.162	-0.001		976.053-976.065	56050.4	1.69	
12		37.04			1536.105	3071.202	1024.405	1536.103	3071.199	0.003	H4N4F1G	1536.095-1536.113	53135.9	1.60	
		37.04	1024.406			3071.202				0.003		1024.399-1024.411	138115	4.16	
17		36.79			1617.131	3233.254	1078.423	1617.130	3233.252	0.002	H5N4F1G	1617.120-1617.140	23973.4	0.72	
		36.79	1078.424			3233.256	1078.423	1617.130	3233.252	0.004		1078.417-1078.429	78518.2	2.37	
18		37.04			1092.095	3274.269	1092.098	1637.643	3274.279	-0.010	H4N5F1G	1092.091-1092.105	2496	0.08	
19		36.41			1132.442	3395.310	1132.440	1698.156	3395.305	0.005	H6N4F1G	1132.433-1132.447	3268.1	0.10	
22		37.59			1770.681	3540.354	1180.786	1770.675	3540.342	0.012	H5N4F1G2	1770.664-1770.686	8494	0.26	
		37.64	1180.788			3540.348				0.006		1180.779-1180.793	41487.6	1.25	
23		36.54			1228.508	2456.008	819.338	1228.503	2455.998	0.010	H3N4	1228.496-1228.510	7075.1	0.21	
		36.49	819.339			2456.001				0.003		819.333-819.343	5609.9	0.17	
24		36.15			1309.531	2618.054				0.003	H3N4	1309.521-1309.537	2771.3	0.08	
		36.27	873.356			2618.052	873.356	1309.529	2618.051	0.001	H4N4	873.351-873.361	4098.9	0.12	
24		30.47			1119.962	2238.916	746.976	1119.960	2238.913	0.003	H3N3F1	1119.954-1119.968	6347.6	0.19	
25		30.26			1200.989	2400.970	800.994	1200.987	2400.966	0.004	H4N3F1	1200.980-1200.994	3802	0.11	
26		a	29.96			1221.500	2441.992				-0.001		1221.493-1221.507	32942	0.99
		b	30.44			1221.502	2441.996	814.670	1221.500	2441.993	0.003	H3N4F1		101725.7	3.06
		a	29.93	814.668		2441.988				-0.005		814.664-814.674	18503.8	0.56	
		b	30.37	814.669		2441.991				-0.002			67644.1	2.04	
28		a	29.57			1302.528	2604.048				0.003		1302.519-1302.535	146085.7	4.40
		b	30.21			1302.528	2604.048	868.687	1302.526	2604.045	0.003	H4N4F1		155830.6	4.69
		a	29.63	868.687		2604.045				0.000		868.682-868.692	102496.7	3.09	
		b	30.21	868.687		2604.045				0.000			107958.4	3.25	
33		a	31.01			1354.534	2708.060	903.357	1354.532	2708.056	0.004	H4N3F1G	1354.524-1354.540	2702.3	0.08
		b	31.04	903.357		2708.055				-0.001		903.352-903.362	1251.8	0.04	
31		a	29.54			1383.555	2766.102				0.004		1383.545-1383.561	42022.6	1.27
		b	30.07			1383.556	2766.104	922.705	1383.553	2766.098	0.006	H5N4F1		32490	0.98
		a	29.57	922.705		2766.099				0.001		922.699-922.711	45131.4	1.36	
		b	30.10	922.705		2766.099				0.001			43696.6	1.32	
34		a	30.29			1456.074	2911.140				0.004		1456.063-1456.081	28610.6	0.86
		b	30.81			1456.075	2911.142				0.006			11914.4	0.36
	a	30.29	971.051		2911.137	971.051	1456.072	2911.136	0.001	H4N4F1G1		39856.7	1.20		
	b	30.81	971.052		2911.140				0.004		971.044-971.056	21018.6	0.63		
39	a	30.12			1537.100	3073.192				0.004		1537.089-1537.107	31407.5	0.95	
	b	30.65			1537.099	3073.190	1025.068	1537.098	3073.188	0.002	H5N4F1G1		20226.4	0.61	
	a	30.12	1025.069		3073.191				0.003		1025.062-1025.074	70028.9	2.11		
	b	30.68	1025.069		3073.191				0.003			38614.7	1.16		
41	a	30.47			3235.245	1079.086	1618.124	3235.241	0.004	H6N4F1G1	1079.080-1079.092	2894.2	0.09		
	b	30.63			1690.643	3380.278				-0.001		1690.633-1690.653	5842.3	0.18	
	a	31.15			1690.649	3380.290	1127.432	1690.643	3380.279	0.011	H5N4F1G2		2239.1	0.07	
	b	30.63	1127.434		3380.286				0.007		1127.424-1127.438	24749.8	0.75		
44	a	31.13	1127.433		3380.283				0.004			14461.2	0.44		
	b	36.62			1310.528	2620.048	874.019	1310.524	2620.040	0.008	H5N4	1310.516-1310.532	15792.4	0.48	
45	a	36.59	874.020		2620.044				0.004		874.014-874.024	33541.1	1.01		
	b	31.62			1178.989	2356.970	786.327	1178.987	2356.966	0.004	H3N3F1	1178.980-1178.994	4832.8	0.15	
48	a	31.53			1280.528	2560.048	854.021	1280.527	2560.046	0.002	H3N4F1	1280.519-1280.535	60359.8	1.82	
	b	31.59	854.021		2560.047				0.001		854.015-854.025	55888.3	1.68		
50	a	31.41			1361.555	2722.102	908.038	1361.553	2722.098	0.004	H4N4F1	1361.545-1361.561	41967.6	1.26	
	b	31.41	908.039		2722.101				0.003		908.033-908.043	52097.6	1.57		
53	a	31.35			1442.581	2884.154	962.056	1442.579	2884.151	0.003	H5N4F1	1442.571-1442.589	10538	0.32	
	b	31.30	962.057		2884.155				0.004		962.050-962.062	19753.7	0.59		
56	a	32.36			1515.103	3029.198	1010.402	1515.098	3029.189	0.009	H4N4F1G	1515.089-1515.107	5420.8	0.16	
	b	32.33	1010.404		3029.196				0.007		1010.395-1010.407	11586.1	0.35		
61	32.08	1064.423			3191.253	1064.419	1596.125	3191.242	0.011	H5N4F1G1	1064.413-1064.425	10541.4	0.32		
total												3319988.7	100		

LC-MS analysis of N-glycans on IgGs obtained from *Fut8*^{+/-} mice treated with 1.2 mg/g/day L-fucose on the 7th day (C-7).

No.	peptide	Retention time (min)	observed mass				calculated mass	theoretical mass			Δ mass	Structure	mass range for EIC (\pm 6ppm)	Intensity	relative
			M+4H	M+3H	M+2H	M+H		M+3H	M+2H	M+H					
1	EEQFNSTFR	36.06			1118.967	2236.926	746.313	1118.966	2236.924	0.002	H2N3F1	1118.959-1118.973	5838.8	0.18	
2		36.02			1199.994	2398.980		800.331	1199.992	2398.977	0.003	H3N3F1	1199.985-1199.999	29476.9	0.91
		36.18	800.331			2398.977					0.000		800.326-800.336	4034.2	0.12
3		35.87			1281.019	2561.030	854.349	1281.019	2561.030	0.000	H4N3F1	1281.011-1281.027	7543.8	0.23	
		36.09			1301.533	2602.058	868.024	1301.532	2602.056	0.002	H3N4F1	1301.524-1301.540	40906.0	12.56	
4		36.02	868.024			2602.056					0.000		868.019-868.029	42975.3	13.20
		35.82			1382.561	2764.114	922.042	1382.558	2764.109	0.005	H4N4F1	1382.550-1382.566	16324.7	5.01	
5		35.82	922.042			2764.110					0.001		922.036-922.048	22996.9	7.06
		36.11			1403.074	2805.140	935.717	1403.071	2805.135	0.005	H3N5F1	1403.064-1403.080	5719.9	0.18	
6		36.09	935.718			2805.138					0.003		935.711-935.723	10239.2	0.31
		37.04	956.711			2868.117	956.712	1434.564	2868.120	-0.003	H4N3F1G1	956.706-956.718	2284.2	0.07	
8		35.72			1463.587	2926.166	976.059	1463.585	2926.162	0.004	H5N4F1	1463.576-1463.594	24090.8	0.74	
		35.75	976.060			2926.164					0.002		976.053-976.065	46049.6	1.41
9		35.82	989.733			2967.183	989.735	1484.098	2967.188	-0.005	H4N5F1	989.729-989.741	2670.8	0.08	
		36.92	1010.732			3030.180	1010.730	1515.590	3030.173	0.007	H5N3F1G1	1010.723-1010.735	2010.5	0.06	
11		36.95			1536.106	3071.204	1024.405	1536.103	3071.199	0.005	H4N4F1G1	1536.095-1536.113	56405.5	1.73	
		36.95	1024.406			3071.202					0.003		1024.399-1024.411	14556.4	4.47
12		36.67			1617.134	3233.260	1078.423	1617.130	3233.252	0.008	H5N4F1G1	1617.120-1617.140	21574.1	0.66	
		36.73	1078.424			3233.256					0.004		1078.417-1078.429	85490.9	2.63
13		37.50			1770.675	3540.342	1180.786	1770.675	3540.342	0.000	H5N4F1G2	1770.664-1770.686	6115.7	0.19	
	37.50	1180.788			3540.348					0.006		1180.779-1180.793	42236.3	1.30	
14	36.41			1228.503	2455.998	819.338	1228.503	2455.998	0.000	H3N4	1228.496-1228.510	5826.8	0.18		
15	36.41	819.340			2456.004					0.006		819.333-819.343	9603.1	0.29	
16	36.14			1309.531	2618.054	873.356	1309.529	2618.051	0.003	H4N4	1309.521-1309.537	2930.2	0.09		
17	36.26	873.354			2618.046					-0.005		873.351-873.361	2921.4	0.09	
18	35.75			1390.558	2780.108	927.373	1390.556	2780.104	0.004	H5N4	1390.548-1390.564	1311.5	0.04		
19	30.50			1119.962	2238.916	746.976	1119.960	2238.913	0.003	H3N3F1	1119.954-1119.968	5970.2	0.18		
20	30.33			1200.987	2400.966	800.994	1200.987	2400.966	0.000	H4N3F1	1200.980-1200.994	3131.9	0.10		
21	a	29.87			1221.499	2441.990				-0.003		1221.493-1221.507	25648.5	0.79	
	b	30.36			1221.502	2441.996	814.670	1221.500	2441.993	0.003	H3N4F1		101468	3.12	
	a	29.81	814.669		2441.991					-0.002		814.664-814.674	21406.9	0.66	
	b	30.36	814.670		2441.994					0.001			78311.6	2.40	
22	a	29.55			1302.528	2604.048				0.003		1302.519-1302.535	17652.4	5.42	
	b	30.15			1302.528	2604.048	868.687	1302.526	2604.045	0.003	H4N4F1		145738	4.48	
	a	29.52	868.687		2604.045					0.000		868.682-868.692	142518	4.38	
	b	30.12	868.688		2604.048					0.003			131016	4.02	
23	a	29.52			1383.555	2766.102				0.004		1383.545-1383.561	43454.2	1.33	
	b	30.12			1383.555	2766.102	922.705	1383.553	2766.098	0.004	H5N4F1		30779.2	0.95	
	a	29.52	922.705		2766.099					0.001		922.699-922.711	52068.3	1.60	
	b	30.12	922.705		2766.099					0.001			30911.9	0.95	
24	a	30.24			1456.074	2911.140				0.004		1456.063-1456.081	22809.1	0.70	
	b	30.80			1456.074	2911.140	971.051	1456.072	2911.136	0.004	H4N4F1G1		12571.3	0.39	
	a	30.21	971.052		2911.140					0.004		971.044-971.056	39897.7	1.23	
	b	30.88	971.052		2911.140					0.004			25099.8	0.77	
25	29.46	976.722			2928.150	976.722	1464.579	2928.151	-0.001	H6N4F1	976.76-976.728	2095.1	0.06		
26	a	30.15			1537.100	3073.192				0.004		1537.089-1537.107	26193.7	0.80	
	b	30.65			1537.102	3073.196	1025.068	1537.098	3073.188	0.008	H5N4F1G1		16940.4	0.52	
	a	30.12	1025.069		3073.191					0.003		1025.062-1025.074	72971.7	2.24	
	b	30.65	1025.069		3073.191					0.003			43026.5	1.32	
27	30.47	1079.091			3235.257	1079.086	1618.124	3235.241	0.016	H6N4F1G1	1079.080-1079.092	1899	0.06		
28	a	30.65			1690.644	3380.280				0.001		1690.633-1690.653	5756.6	0.18	
	b	31.22			1690.648	3380.288	1127.432	1690.643	3380.279	0.009	H5N4F1G2		1518.5	0.05	
	a	30.59	1127.433		3380.283					0.004		1127.424-1127.438	17690.6	0.54	
	b	31.19	1127.433		3380.283					0.004			10756.7	0.33	
29	30.27			1383.046	2765.084	922.365	1383.043	2765.078	0.006	H4N4G1	1383.038-1383.054	1059.4	0.03		
30	31.65			1178.991	2356.974	786.327	1178.987	2356.966	0.008	H3N3F1	1178.980-1178.994	4478.8	0.14		
31	31.65	786.325			2356.959					-0.007		786.322-786.332	1150	0.04	
	31.44			1260.012	2519.016	840.345	1260.013	2519.019	-0.003	H4N3F1	1260.005-1260.021	2657.9	0.08		
32	31.62			1280.528	2560.048	854.021	1280.527	2560.046	0.002	H3N4F1	1280.519-1280.535	5002.3	1.54		
	31.62	854.021			2560.047					0.001		854.015-854.025	47557.9	1.46	
33	31.40			1361.555	2722.102	908.038	1361.553	2722.098	0.004	H4N4F1	1361.545-1361.561	30395.7	0.93		
	31.40	908.039			2722.101					0.003		908.033-908.043	38510.2	1.18	
34	31.28			1442.582	2884.156	962.056	1442.579	2884.151	0.005	H5N4F1	1442.571-1442.589	7320.9	0.22		
35	32.39			1515.104	3029.200	1010.402	1515.098	3029.189	0.011	H4N4F1G1	1515.089-1515.107	2768.8	0.09		
	32.33	1010.402			3029.190					0.001		1010.395-1010.407	10150.6	0.31	
36	32.12			1596.130	3191.252	1064.419	1596.125	3191.242	0.010	H5N4F1G1	1596.115-1596.135	2112	0.06		
	32.21	1064.421			3191.247					0.005		1064.413-1064.425	12993.3	0.40	
37	32.82				3498.336	1166.783	1749.670	3498.332	0.004	H5N4F1G2	1166.775-1166.789	5042.4	0.15		
												total	3256361	100	

Supplemental Table10

Relative levels of fucosylated and none fucosylated *N*-glycans on IgGs obtained from *Fut8*^{+/-} mice treated with or without L-fucose at indicated doses

	Relative Abundance[%]		
	A-0	A-7	A-14
fucosylated glycan	98.30	99.42	99.33
none fucosylated glycan	1.70	0.58	0.67
total	100.00	100.00	100.00
A: 0.15 mg/g/day; 0, 7, or 14 days			
	Relative Abundance[%]		
	B-0	B-7	B-14
fucosylated glycan	98.94	99.25	99.33
none fucosylated glycan	1.06	0.75	0.67
total	100.00	100.00	100.00
B: 0.4 mg/g/day; 0, 7, or 14 days			
	Relative Abundance[%]		
	C-0	C-7	C-14
fucosylated glycan	99.51	99.41	99.31
none fucosylated glycan	0.49	0.59	0.69
total	100.00	100.00	100.00
C: 1.2 mg/g/day; 0, 7, or 14 days			

Supplemental Table11

A comparison of IgG subclass and Igk levels in Fut8^{+/-} mice treated with or without L-fucose at indicated doses

WT and Hetero	Intensity	
	WT	Hetero
MS raw data	21080404	21080405
IgG1	518000	119000
IgG2	3350000	598000
IgG3	314000	211000
IgK	4880000	564000

Hetero Fut8 ^{+/-} A: 0.15 mg/g/day	Intensity		
	0 day	7 day	14 day
MS raw data	21091602	21091605	21091608
IgG1	221000	417000	859000
IgG2	943000	2520000	4740000
IgG3	254000	1140000	2310000
IgK	792000	2410000	4530000

Hetero Fut8 ^{+/-} B: 0.4 mg/g/day	Intensity		
	0 day	7 day	14 day
MS raw data	21091603	21091606	21091609
IgG1	204000	386000	553000
IgG2	1310000	3390000	4740000
IgG3	824000	2500000	3100000
IgK	1410000	3280000	4700000

Hetero Fut8 ^{+/-} C: 1.2 mg/g/day	Intensity		
	0 day	7 day	14 day
MS raw data	21091604	21091607	21091610
IgG1	358000	759000	788000
IgG2	736000	3140000	2430000
IgG3	233000	909000	642000
IgK	1260000	3550000	3650000

