

Glycan Probe List

796 glycan probes returned

Group A : Gal-, Glc-, Lac-, LacNAc- based

Probe ID	Probe Name	Textual Sequence
36	Hanfland 1	Glc-Cer
37	Galactosylceramide	Gal-Cer
38	Lac	Gal-4Glc-OH
39	Lactocerebrosides	Gal-4Glc-Cer
44	GalNAc-3Galβ-4Glc	GalNAc-3Galβ-4Glc-OH
45	Galα-4Galβ-4GlcNAc	Galα-4Galβ-4GlcNAc-OH
46	Ceramide trihexoside	Galα-4Galβ-4Glc-Cer
54	Globoside (P-antigen)	GalNAcβ-3Galα-4Galβ-4Glc-Cer
59	Forssmann glycolipid	GalNAcα-3GalNAcβ-3Galα-4Galβ-4Glc-Cer
69	B-Tri	Gal-3Gal-OH Fucose-2
92	NeuAcα-(3')Lac	NeuAcα-3Galβ-4Glc-OH
94	NeuAcα-(6')Lac	NeuAcα-6Galβ-4Glc-OH
96	NeuAcα-(3')LN	NeuAcα-3Galβ-4GlcNAc-OH
97	NeuAcα-(6')LN	NeuAcα-6Galβ-4GlcNAc-OH
98	Neu5,9Ac-(6')LN	(1-9NAc)NeuAcα-6Galβ-4GlcNAc-OH
127	GSC-210	SD-3GlcNAc-3Galβ-Cer42
132	GSC-150	SD-3Galβ-4Glc-C30 Fucose-3
133	SU(3')-Lea-Tri	SD-3Galβ-3GlcNAc-OH Fucose-4
134	SU(3')-Lex-Tri	SD-3Galβ-4GlcNAc-OH Fucose-3
145	GSC-209	GlcNAc-3Galβ-Cer42
152	GSC-432	(1-3-deoxy-3-carboxymethyl)Galβ-4Glc-C30
153	GSC-430	(1-3-deoxy-3-carboxymethyl)Galβ-3Glc-C30 Fucose-4
215	Glucocerebrosides	Glc-Cer
216	Galactocerebrosides	Gal-Cer
234	Lac-AO	Gal-4Glc-AO
235	LacNAc-AO	Gal-4GlcNAc-AO
242	Lea-Tri	Galβ-3GlcNAc-OH Fucose-4
243	Lea-Tri-AO	Galβ-3GlcNAc-AO Fucose-4
244	Lex-Tri	Galβ-4GlcNAc-OH Fucose-3
245	Lex-Tri-AO	Galβ-4GlcNAc-AO Fucose-3
246	NeuAcα-(3')Lac-AO	NeuAcα-3Galβ-4Glc-AO
247	NeuAcα-(6')Lac-AO	NeuAcα-6Galβ-4Glc-AO
248	NeuAcβ-(3')Lac	NeuAcβ-3Galβ-4Glc-OH
249	NeuAcβ-(3')Lac-AO	NeuAcβ-3Galβ-4Glc-AO
250	NeuAcβ-(6')Lac	NeuAcβ-6Galβ-4Glc-OH
251	NeuAcβ-(6')Lac-AO	NeuAcβ-6Galβ-4Glc-AO
252	Neuα-(3')Lac	Neuα-3Galβ-4Glc-OH
253	Neuα-(3')Lac-AO	Neuα-3Galβ-4Glc-AO
254	Neuα-(6')Lac	Neuα-6Galβ-4Glc-OH
255	Neuα-(6')Lac-AO	Neuα-6Galβ-4Glc-AO
256	Neu4,5Ac-(3')Lac	(1-4-NAc)NeuAcα-3Galβ-4Glc-OH
257	Neu4,5Ac-(3')Lac-AO	(1-4-NAc)NeuAcα-3Galβ-4Glc-AO
278	Sulfatide	SD-3Galβ-Cer
279	GSF-1	SD-3Galβ-C30
280	GSF-19	SD-4Glc-C30
302	GSC-260	3-deoxy-3-carboxymethyl-Galβ-4Glc-C30 Fucose-3
382	H-Di	Fucose-2Gal-OH
383	A-Tri	GalNAcα-3Gal-OH Fucose-2
397	SA(3')-Lea-Tri	NeuAcα-3Galβ-3GlcNAc-OH Fucose-4
398	SU(3')-LN	SD-3Galβ-4GlcNAc-OH

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402	LacNAc	GalS-4G1cNAc-OH
422	NeuAcq-(3')LN-AO	NeuAcq-3GalS-4G1cNAc-AO
426	Lex-Tri-(Me)AO	GalS-4G1cNAc-(Me)AO Fucose-3
439	LacNAc(1-3)	GalS-3G1cNAc-OH
440	LacNAc(1-3)-AO	GalS-3G1cNAc-AO
459	GSC-426	(7-deoxy-3-carboxymethyl)GalS-C30
570	GSC-17	NeuAcq-3GalS-4G1cS-Cer30
571	GSC-511	(9-OAc)NeuAcq-3GalS-4G1cNAcS-C30 Fucose-3
572	GSC-513	(9-OAc)NeuAcq-3GalS-3G1cNAcS-C30 Fucose-4
573	GSC-75	(4-deoxy)NeuAcq-3GalS-4G1cS-Cer30
574	GSC-76	(7-deoxy)NeuAcq-3GalS-4G1cS-Cer30
575	GSC-77	(9-deoxy)NeuAcq-3GalS-4G1cS-Cer30
576	GSC-51	(9-deoxy)NeuAcq-3GalS-4G1cS-Cer30
577	GSC-153	(4,8-deoxy)NeuAcq-3GalS-4G1cS-Cer30
578	GSC-78	(4-OMe)NeuAcq-3GalS-4G1cS-Cer30
579	GSC-79	(9-OMe)NeuAcq-3GalS-4G1cS-Cer30
580	GSC-61	NeuAcq-6GalS-4G1cS-Cer30
587	GSC-437	NeuAcq-8NeuAcq-8NeuAcq-3GalS-4G1cS-Cer30
590	GSC-144	K2Me-3GalS-Cer30
595	GSC-197	K2Me-3GalS-4G1cS-Cer30
596	GSC-198	K2Me-3GalS-4G1cS-Cer34
598	GSC-96	NeuAcq-8NeuAcq-3GalS-4G1cS-Cer30
610	GSC-23	(C7)NeuAcq-3GalS-4G1cS-Cer30
611	GSC-24	(C8)NeuAcq-3GalS-4G1cS-Cer30
614	GSC-199	K2Me-3GalS-4G1cS-C30
618	GSC-229	NeuAcq-8NeuAcq-3GalS-4G1cS-Cer30
619	GSC-230	NeuAcq-8NeuAcq-3GalS-Cer30
620	GSC-231	NeuAcq-8NeuAcq-6GalS-Cer30
621	GSC-232	NeuAcq-8NeuAcq-6G1cS-Cer30
622	GSC-234	NeuAcq-(5)-3GalS-(5)-4G1cS-Cer30
628	GSC-296	C10S-3GalS-4G1cS-C30
632	GSC-353	S0-3G1cNAc-3GalS-4G1cS-C30
635	GSC-439	NeuAcq-8NeuAcq-8NeuAcq-6GalS-Cer30
636	GSC-440	NeuAcq-3GalS-4G1cNAcS-C30 Fucose-3
643	GSC-512	(4-OAc)NeuAcq-3GalS-4G1cNAcS-C30 Fucose-3
647	GSC-9	NeuAcq-(5)-4G1cS-Cer30
648	GSC-12	NeuAcq-(5)-6GalS-4G1cS-Cer30
649	GSC-13	NeuAcq-(5)-6GalS-Cer30
650	GSC-16	NeuAcq-3GalS-4G1cS-Cer32
651	GSC-18	NeuAcq-3GalS-4G1cS-Cer42
652	GSC-27	NeuAcq-6GalS-Cer30
653	GSC-40	NeuAcq-(5)-3GalS-Cer42
654	GSC-50	(CR diastereoisomer)NeuAcq-3GalS-4G1cS-Cer30
655	GSC-59	NeuAcq-6G1cNAcS-Cer30
656	GSC-60	NeuAcq-6G1cS-Cer30
657	GSC-62	NeuAcq-2G1cS-Cer30
658	GSC-72	NeuAcq-(5)-6GalS-(5)-Cer30
659	GSC-73	NeuAcq-(5)-6GalS-4G1cS-(5)-Cer30
660	GSC-95	NeuAcq-(5)-6G1cNAcS-Cer30
666	GSC-160	S0-3GalS-4G1cS-Cer30 Fucose-3
667	GSC-161	NeuAcq-3GalS-4G1cS-C30 Fucose-3
668	GSC-162	NeuAcq-3GalS-4G1cS-Cer30 Fucose-3
671	GSC-178	NeuAcq-3GalS-4G1cS-Cer34
672	GSC-187	NeuAcq-3GalS-C20
404	SAA#1	NeuAcq-3GalS-3G1cNAc-OH
413	SAA#1-AO	NeuAcq-3GalS-3G1cNAc-AO
675	PI-1	NeuAcq-3(8-NAc)GalS-4G1cNAc-OH
676	PI-1-AO	NeuAcq-3(8-NAc)GalS-4G1cNAc-AO
677	PI-2	NeuAcq-3(8-NH ₂)GalS-4G1cNAc-OH

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678	PI-2-AO	NeuAcα-3(6-MB)Galβ-4GlcNAc-AD
817	NeuAcα-(3')LN1-3	NeuAcα-3Galβ-3GlcNAc-OH
818	NeuAcα-(3')LN1-3-AO	NeuAcα-3Galβ-3GlcNAc-AD
819	SA(3')-Lea-Tri-AO	NeuAcα-3Galβ-4GlcNAc-AD Fucose-4
820	SA(3')-Lex-Tri-AO	NeuAcα-3Galβ-4GlcNAc-AD Fucose-3
821	NeuAcα-(6')LN-AO	NeuAcα-6Galβ-4GlcNAc-AD
882	Globotri-AO	Glcα-4Galβ-4Glc-AD
883	B-Tri-AO	Glcα-3Gal-AD Fucose-2
884	Fuc(3)-Lac-AO	Glcβ-4Glc-AD Fucose-3
891	SA(3')-Lex-Tri	NeuAcα-3Galβ-4GlcNAc-OH Fucose-3
930	A-tri-AO	GalNAc-3Gal-AD Fucose-2
931	A-Tetra-T1-AO	GalNAc-3Galβ-3GlcNAc-AD Fucose-2
932	A-Tetra-T2-AO	GalNAc-3Galβ-4GlcNAc-AD Fucose-2
933	B-Tetra-T1-AO	Glcα-3Galβ-3GlcNAc-AD Fucose-2
934	B-Tetra-T2-AO	Glcα-3Galβ-4GlcNAc-AD Fucose-2
935	B-penta-AO	Glcα-3Galβ-4Glc-AD Fucose-2 Fucose-3
936	H-Tri-T2-AO	Fucose-3Galβ-4GlcNAc-AD
937	Su(3')-Lea tri-AO	Si-3Galβ-3GlcNAc-AD Fucose-4
938	Su(3')-Lex tri-AO	Si-3Galβ-4GlcNAc-AD Fucose-3
939	Gb3-Cer	Glcα-4Galβ-4Glcβ-Cer
1092	NeuGca-(3')LN	NeuAcα-3Galβ-4GlcNAc-OH
1285	Globo-H-Hexa	Fucose-3Galβ-3GalNAcβ-3Galα-4Galβ-4GlcNAc-OH
1286	Globo-A-Hepta	GalNAc-3Galβ-3GalNAcβ-3Galα-4Galβ-4GlcNAc-OH Fucose-2
1287	Globo-B-Hepta	Glcα-3Galβ-3GalNAcβ-3Galα-4Galβ-4GlcNAc-OH Fucose-2

Group B : LNnT-, LNT- based; tetrasaccharides

Probe ID	Probe Name	Textual Sequence
49	LNT	Glcβ-3GlcNAcβ-3Galβ-4Glc-OH
51	LNnT	Glcβ-4GlcNAcβ-3Galβ-4Glc-OH
52	Paragloboside	Glcβ-4GlcNAcβ-3Galβ-4Glcβ-Cer
55	B-like pentaosylceramide	Glcα-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer
56	Klaus glycolipid	Glcβ-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer
68	LNFP-I	Fucose-2Galβ-3GlcNAcβ-3Galβ-4Glc-OH
71	LNFP-II	Glcβ-3GlcNAcβ-3Galβ-4Glc-OH Fucose-4
72	LNFP-III	Glcβ-4GlcNAcβ-3Galβ-4Glc-OH Fucose-3
73	A-Hexa	GalNAc-3Galβ-3GlcNAcβ-3Galβ-4Glc-OH Fucose-2
75	LNnDFH-I	Fucose-2Galβ-4GlcNAcβ-3Galβ-4Glc-OH Fucose-3
76	LNnDFH-II	Glcβ-4GlcNAcβ-3Galβ-4Glc-OH Fucose-3 Fucose-3
77	LNDFH-II	Glcβ-3GlcNAcβ-3Galβ-4Glc-OH Fucose-4 Fucose-3
78	LNnTFH-I	Fucose-2Galβ-4GlcNAcβ-3Galβ-4Glc-OH Fucose-3 Fucose-2
79	LNTFH-I	Fucose-3Galβ-3GlcNAcβ-3Galβ-4Glc-OH Fucose-4 Fucose-2
100	LSTa	NeuAcα-3Galβ-3GlcNAcβ-3Galβ-4Glc-OH
103	Sialylparagloboside	NeuAcα-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer
105	SA(3')-LNFP-II	NeuAcα-3Galβ-3GlcNAcβ-3Galβ-4Glc-OH Fucose-4
106	SA(3')-LNFP-III	NeuAcα-3Galβ-4GlcNAcβ-3Galβ-4Glc-OH Fucose-3
107	GSC-64	NeuAcα-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer36 Fucose-3
108	SA(3/6)LNFP-I	NeuAcα-3(6)Galβ-3GlcNAcβ-3Galβ-4Glc-OH Fucose-2
111	GSC-472	Neuα-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer36 Fucose-3
117	DSLNT	NeuAcα-3Galβ-3GlcNAcβ-3Galβ-4Glc-OH NeuAcα-6
128	GSC-190	Si-3GlcNAc-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-Cer42
129	GSC-208	Si-3GlcNAc-3Galβ-4GlcNAcβ-3Galβ-4Glcβ-C36
135	SU(3')-LNFP-III	Si-3Galβ-4GlcNAcβ-3Galβ-4Glc-OH Fucose-3
136	SU(3',6)-LNFP-III	Si-6 Si-3Galβ-4GlcNAcβ-3Galβ-4Glc-OH Fucose-3

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137	SU(6')-LNFP-III	SI-Hex18-401:0MAc8-36a18-401c-0H Fucose-3
138	GSC-406	SI-6 Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
139	GSC-268 deNAc	SI-6 Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
140	GSC-269	Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
141	GSC-270	SI-6 SI-6 Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
148	GSC-189	CL180-36a18-401:0MAc8-36a18-401c8-Cer42
149	GSC-207	CL180-36a18-401:0MAc8-36a18-401c8-C38
205	GSC-268	SI-6 Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
207	SA(6')-LNFP-VI	Neuro-36a18-401:0MAc8-36a18-401c-0H Fucose-3
241	LNFP-III-AO	Gal8-401:0MAc8-36a18-401c-AO Fucose-3
266	SU(3')-LNFP-II	SI-36a18-301:0MAc8-40a18-401c-0H Fucose-4
269	LSTc	Neuro-36a18-401:0MAc8-36a18-401c-0H
270	LSTb	Gal8-301:0MAc8-36a18-401c-0H Neuro-3
297	LNnDFH-V	Gal8-401:0MAc8-36a18-401c-0H Fucose-3 Fucose-2
298	LNDFH-I	Fucose-26a18-301:0MAc8-36a18-401c-0H Fucose-4
305	GSC-97	Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
386	A-Hepta	Fucose-4 Gal1MAc8-36a18-301:0MAc8-36a18-401c-0H Fucose-3
387	Leb-hexaosylceramide	Fucose-26a18-301:0MAc8-36a18-401c8-Cer Fucose-4
388	B-hexaosylceramide	Cer18-36a18-401:0MAc8-36a18-401c8-Cer Fucose-3
396	GSC-31	Neuro-36a18-401:0MAc8-36a18-401c8-Cer38
399	SU(3')-Tri	SI-36a18-401:0MAc8-36a18-0H
400	SU(6')-LNFP-II	SI-Hex18-301:0MAc8-36a18-401c-0H Fucose-4
428	Led-II pentaosylceramide	Fucose-26a18-301:0MAc8-36a18-401c8-Cer4
429	Led-I pentaosylceramide	Fucose-26a18-301:0MAc8-36a18-401c8-Cer6
457	DLNN	CL180MAc8-36a18-401c-0H
458	GSC-105	Neuro-36a18-401:0MAc8-36a18-Cer38 Fucose-3
460	GSC-5168	Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 SI-6
588	GSC-177	Neuro-36a18-401:0MAc8-36a18-Cer38 Fucose-3
589	GSC-396	Neuro-36a18-301:0MAc8-36a18-401c8-C38
591	GSC-147	K28a-36a18-301:0MAc8-36a18-401c8-Cer38
594	GSC-341	K28a-36a18-401:0MAc8-36a18-C38 Fucose-3
597	GSC-149	K28a-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
612	GSC-131	Neuro-36a18-401:0MAc8-36a18-Cer38 Dose-3
613	GSC-163	Neuro-36a18-401:0MAc8-36a18-Cer38 Rhes-3
615	GSC-191	CL180-36a18-401:0MAc8-36a18-401c8-Cer38
616	GSC-192	SI-301:0MAc8-36a18-401:0MAc8-36a18-401c8-Cer38
617	GSC-225	(3-deoxy-3-carboxymethyl)Gal8-401:0MAc8-36a18-Cer38 Fucose-3
623	GSC-236	SI-36a18-401:0MAc8-36a18-C38 Fucose-3
624	GSC-257	Neuro-314,6-deoxyGal8-401:0MAc8-36a18-Cer38 Fucose-3
625	GSC-272	Neuro-36a18-301:0MAc8-36a18-401c8-C38
626	GSC-273	Neuro-36a18-401:0MAc8-36a18-401c8-C38
629	GSC-311	K28a-36a18-401:0MAc8-36a18-401c8-C38 Rhes-3
630	GSC-314	K28a-36a18-401:0MAc8-36a18-401c8-C38 Fucose-3
634	GSC-397	Neuro-36a18-301:0MAc8-36a18-401c8-C38
638	GSC-479	Neuro-36a18-401:0MAc8-36a18-C38 Fucose-3
644	GSC-533	Neuro-36a18-401:0MAc8-36a18-401c8-Cer38 Fucose-3
662	GSC-121	Neuro-36a18-401:0MAc8-36a18-Cer38 (3-deoxy)Fucose-3
663	GSC-123	Neuro-36a18-401:0MAc8-36a18-Cer38 (4-deoxy)Fucose-3
664	GSC-127	Neuro-36a18-401:0MAc8-36a18-Cer38 (6-deoxy)Tala-3
665	GSC-133	Neuro-36a18-401:0MAc8-36a18-Cer38 (2-OMe)Fucose-3
669	GSC-175	Neuro-314-deoxyGal8-401:0MAc8-36a18-Cer38 Fucose-3
670	GSC-176	Neuro-316-deoxyGal8-401:0MAc8-36a18-Cer38 Fucose-3
926	Leb tetra-AO	Fucose-26a18-301:0MAc8-AO Fucose-4

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927	LNFP-I-AO	Fuco-2Gal6S-3GalNAc6S-3Gal6S-4Gal-c-AM
928	LNFP-II-AO	Gal6S-3GalNAc6S-3Gal6S-4Gal-c-AM Fucose-4
929	LNDFH-I-AO	Fuco-2Gal6S-4GalNAc6S-3Gal6S-4Gal-c-AM Fucose-3
1076	LNnFP-I-AO	Fuco-2Gal6S-4GalNAc6S-3Gal6S-4Gal-c-AM
1145	Orsay-1-AO	Gal6S-4GalNAc6S-4Gal-c-AM
1146	Orsay-2-AO	Gal6S-4GalNAc6S-3Gal-c-AM
1147	Orsay-3-AO	Gal6S-3GalNAc6S-4Gal-c-AM
1148	Orsay-4-AO	Gal6S-3GalNAc6S-3Gal-c-AM
1149	LSTd	NeurAc-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-OM

Group C : Polylactosamine (linear,branched)- based

Probe ID	Probe Name	Textual Sequence
57	pLNH	Gal6S-3GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-OM
58	pLNnH	Gal6S-4GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-OM
60	LNnH	Gal6S-4GalNAc6S-4 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
61	LNH	Gal6S-4GalNAc6S-4 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
62	iLNO	Gal6S-3GalNAc6S-3Gal6S-4GalNAc6S-4 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
63	I-octaosylceramide	Gal6S-4GalNAc6S-4 Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc Gal6S-4GalNAc6S-3
64	B-like decaosylceramide	Gal6S-3Gal6S-4GalNAc6S-4 Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc Gal6S-3Gal6S-4GalNAc6S-3
65	LND	Gal6S-4GalNAc6S-4 Gal6S-4GalNAc6S-4 Gal6S-3GalNAc6S-3 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
66	B-like pentadecaosylceramide	Gal6S-3Gal6S-4GalNAc6S-4 Gal6S-3Gal6S-4GalNAc6S-4 Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc Gal6S-4GalNAc6S-3 Gal6S-3Gal6S-4GalNAc6S-3
67	B-like eicosaosylceramide	Gal6S-3Gal6S-4GalNAc6S-4 Gal6S-3Gal6S-4GalNAc6S-4 Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc Gal6S-4GalNAc6S-4 Gal6S-4GalNAc6S-3 Gal6S-3Gal6S-4GalNAc6S-3
74	pLNfH-IV	Gal6S-3GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-OM Fucose-3
80	DfPLNH-II	Gal6S-3GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-OM Fucose-4 Fucose-3
81	MFLNH-III	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
82	MFLNnH(a)	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM Gal6S-4GalNAc6S-3
83	DFLNH(c)	Gal6S-4GalNAc6S-4 Gal6S-4Gal-c-OM Fucose-3GalNAc6S-3 Fucose-4
84	DFLNnH	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM Gal6S-4GalNAc6S-3 Fucose-3
85	TFLNH	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM Fucose-3GalNAc6S-3 Fucose-4
86	DFLNH(a)	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM Fucose-3GalNAc6S-3
88	MFILNO-IV	Gal6S-3GalNAc6S-3Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
89	TFILNO	Gal6S-3GalNAc6S-3Gal6S-4GalNAc6S-4 Fucose-3 Fucose-3 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3 Fucose-4
90	MFLND	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4GalNAc6S-4 Gal6S-3GalNAc6S-3 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
112	MSLNH-I	Gal6S-4GalNAc6S-4 Gal6S-4Gal-c-OM NeurAc-6Gal6S-3GalNAc6S-3
113	MFMSLNnH	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM NeurAc-6Gal6S-3GalNAc6S-3
114	MSMFLNH	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM NeurAc-3Gal6S-3GalNAc6S-3
122	DSLNNH	NeurAc-6Gal6S-4GalNAc6S-4 Gal6S-4Gal-c-OM NeurAc-6Gal6S-4GalNAc6S-3
130	GSC-219	Si-3GalNAc-3Gal6S-4GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc
150	GSC-216	GLcNAc-3Gal6S-4GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc
151	GSC-218	GLcNAc-3Gal6S-4GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc
271	MSLNH	NeurAc-6Gal6S-4GalNAc6S-4 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3
275	C4U	NeurAc-3Gal6S-4GalNAc6S-3Gal6S-3GalNAc6S-OM Si-4 Si-6 Si-6
276	FucC4U	Fucose-3 NeurAc-3Gal6S-4GalNAc6S-3Gal6S-3GalNAc6S-OM Si-4 Si-6 Si-6
301	TfPLNH-I	Fuco-2Gal6S-3GalNAc6S-3Gal6S-4GalNAc6S-3Gal6S-4Gal-c-OM Fucose-4 Fucose-3
304	DFLNH(b)	Gal6S-4GalNAc6S-4 Fucose-3 Gal6S-4Gal-c-OM Gal6S-3GalNAc6S-3 Fucose-4
377	Nonaosylceramide	GLcNAc6S-4 GLcNAc6S-4 Gal6S-4GalNAc6S-3Gal6S-4Gal-c-Glc Gal6S-4GalNAc6S-3 GLcNAc6S-3

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378	I-dodecaosylceramide	$\begin{array}{c} \text{GalS-HEXAMER-6} \\ \text{GalS-HEXAMER-6} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-HEXAMER-3} \end{array}$
379	I-hexadecaosylceramide	$\begin{array}{c} \text{GalS-HEXAMER-6} \\ \text{GalS-HEXAMER-6} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-HEXAMER-6} \quad \text{GalS-HEXAMER-3} \\ \text{GalS-HEXAMER-3} \end{array}$
380	I-eicosaosylceramide	$\begin{array}{c} \text{GalS-HEXAMER-6} \\ \text{GalS-HEXAMER-6} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-HEXAMER-6} \quad \text{GalS-HEXAMER-3} \\ \text{GalS-HEXAMER-6} \quad \text{GalS-HEXAMER-3} \\ \text{GalS-HEXAMER-3} \end{array}$
381	B-like pentaicososylceramide	$\begin{array}{c} \text{GalS-3GALIS-HEXAMER-6} \\ \text{GalS-3GALIS-HEXAMER-6} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-3GALIS-HEXAMER-6} \quad \text{GalS-HEXAMER-3} \\ \text{GalS-3GALIS-HEXAMER-3} \end{array}$
389	B-III dodecaosylceramide	$\begin{array}{c} \text{GalS-3GALIS-HEXAMER-6} \\ \text{Fucose-3} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-3GALIS-HEXAMER-3} \\ \text{Fucose-3} \end{array}$
390	B-IV tetradecaosylceramide	$\begin{array}{c} \text{GalS-3GALIS-HEXAMER-6} \\ \text{Fucose-3} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-3GALIS-HEXAMER-3GALIS-HEXAMER-3} \\ \text{Fucose-3} \end{array}$
453	GSC-217	GP-3GALIS-3GALIS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-Car(2)
454	GSC-220	$\begin{array}{c} \text{Mannose-3GALIS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-Car(6)} \\ \text{Fucose-3} \quad \text{Fucose-3} \end{array}$
455	GSC-221	$\begin{array}{c} \text{Mannose-3GALIS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-Car(6)} \\ \text{Fucose-3} \end{array}$
1150	LNnO	GalS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-3H
1151	Orsay-5-AO	$\begin{array}{c} \text{CLAMER-6} \\ \text{GalS-AO} \\ \text{GalS-HEXAMER-3} \end{array}$
1152	Orsay-6-AO	$\begin{array}{c} \text{GalS-HEXAMER-6} \\ \text{GalS-AO} \\ \text{GalS-HEXAMER-3} \end{array}$
1153	Orsay-7-AO	$\begin{array}{c} \text{GalS-HEXAMER-6} \\ \text{GalS-AO} \\ \text{GalS-HEXAMER-3} \end{array}$
1154	H2 (with H2+Fuc)*	Fucose-3GALIS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-Car
1155	Ab (with Ab+Fuc)*	$\begin{array}{c} \text{GalMan-3GALIS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{Fucose-3} \end{array}$
1156	H3 (with H3-Fuc)*	$\begin{array}{c} \text{Fucose-3GALIS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{Fucose-3GALIS-HEXAMER-3} \end{array}$
1157	Ad (with Ad+Fuc)*	$\begin{array}{c} \text{GalMan-3GALIS-HEXAMER-6} \\ \text{Fucose-3} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalMan-3GALIS-HEXAMER-3GALIS-HEXAMER-3} \\ \text{Fucose-3} \end{array}$
1158	PIII (proposed)	$\begin{array}{c} \text{Fucose-3GALIS-3GALINER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{Fucose-3GALIS-HEXAMER-3} \\ \text{Fucose-3GALIS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-HEXAMER-3} \\ \text{Fucose-3GALIS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{Fucose-3} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{Fucose-3GALIS-HEXAMER-3} \end{array}$
1159	PIII de Fuc (according to proposed structures)	$\begin{array}{c} \text{GalS-3GALINER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-3GALINER-3} \\ \text{GalS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-HEXAMER-3} \\ \text{GalS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{Fucose-3} \quad \text{GalS-HEXAMER-3GALIS-HEXIS-Car} \\ \text{GalS-HEXAMER-3} \end{array}$
1160	PSM-F1H2HN3-OY	$\begin{array}{c} \text{Fucose-3GALIS-HEXAMER-6} \\ \text{GalS-HEXAMER-6Y} \\ \text{CLAMER-3} \end{array}$
1161	LNnFP-I	Fucose-3GALIS-HEXAMER-3GALIS-HEXIS-3H
1162	A-Hexa-T1	$\begin{array}{c} \text{GalMan-3GALIS-3GALINER-3GALIS-HEXIS-3H} \\ \text{Fucose-3} \end{array}$
1163	A-Hexa-T2	$\begin{array}{c} \text{GalMan-3GALIS-HEXAMER-3GALIS-HEXIS-3H} \\ \text{Fucose-3} \end{array}$
1164	B-Hexa-T1	$\begin{array}{c} \text{GalS-3GALIS-3GALINER-3GALIS-HEXIS-3H} \\ \text{Fucose-3} \end{array}$
1165	B-Hexa-T2	$\begin{array}{c} \text{GalS-3GALIS-HEXAMER-3GALIS-HEXIS-3H} \\ \text{Fucose-3} \end{array}$
1166	MFLNH-I	$\begin{array}{c} \text{GalS-HEXAMER-6} \\ \text{GalS-HEXIS-3H} \\ \text{Fucose-3GALIS-3GALINER-3} \end{array}$
1167	MSDFLNh-AO	$\begin{array}{c} \text{Fucose-3GALIS-HEXAMER-6} \\ \text{Fucose-3} \quad \text{GalS-HEXIS-AO} \\ \text{Mannose-3GALIS-HEXAMER-3} \end{array}$
1168	DFILNO	$\begin{array}{c} \text{GalS-3GALINER-3GALIS-HEXAMER-6} \\ \text{Fucose-3} \quad \text{GalS-HEXIS-3H} \\ \text{Fucose-3GALIS-3GALINER-3} \end{array}$
1169	TFILNO(1-2,2,3)	$\begin{array}{c} \text{Fucose-3GALIS-3GALINER-3GALIS-HEXAMER-6} \\ \text{Fucose-3} \quad \text{GalS-HEXIS-3H} \\ \text{Fucose-3GALIS-HEXAMER-3} \end{array}$
1265	GSC-915	$\begin{array}{c} \text{Fucose-3GALIS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-3H} \\ \text{GalS-HEXAMER-3} \end{array}$
1266	GSC-915-2	$\begin{array}{c} \text{Fucose-3GALIS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-3H} \\ \text{CLAMER-3} \end{array}$
1267	GSC-915-3	Fucose-3GALIS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-3H
1268	GSC-915-4	GalS-HEXAMER-3GALIS-HEXAMER-3GALIS-HEXIS-3H
1278	GSC-915-5	CLAMER-3GALIS-HEXAMER-3GALIS-HEXIS-HEXIS-3H
1284	GSC-915-AO	$\begin{array}{c} \text{Fucose-3GALIS-HEXAMER-6} \\ \text{GalS-HEXAMER-3GALIS-HEXIS-AO} \\ \text{GalS-HEXAMER-3} \end{array}$

Group D : N-glycan related

Probe ID	Probe Name	Textual Sequence
6	Man2aGN2	<pre> Name: (Name: 4 { {Seq: 401,000,0 401,000,0} } } </pre>
7	Man3GN2	<pre> Name: 4 { {Seq: 401,000,0 401,000,0} } } </pre>
8	Man4aGN2	<pre> Name: (Name: 4 { {Seq: 401,000,0 401,000,0} } } </pre>

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9	Man4bGN2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \end{array}$
10	Man5GN2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-3} \end{array}$
11	Man7(D1)GN2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-2Ramo-2Ramo-3} \end{array}$
12	Man3FGN2	$\begin{array}{c} \text{Ramo-6} \quad \text{Fuco-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-3} \end{array}$
13	Man7(D3)GN2	$\begin{array}{c} \text{Ramo-2Ramo-6} \\ \text{Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-2Ramo-3} \end{array}$
14	Man6GN2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-2Ramo-3} \end{array}$
15	Man8(D1D3)GN2	$\begin{array}{c} \text{Ramo-2Ramo-6} \\ \text{Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-2Ramo-2Ramo-3} \end{array}$
16	Man9GN2	$\begin{array}{c} \text{Ramo-2Ramo-6} \\ \text{Ramo-2Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-2Ramo-2Ramo-3} \end{array}$
17	Man3XylGN2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-2Ramo-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-3} \end{array}$
18	N1	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \quad \text{Fuco-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-3} \end{array}$
19	N2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{GalS-4G1-6MAG-2Ramo-3} \end{array}$
20	NGA2	$\begin{array}{c} \text{CL-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-2Ramo-3} \end{array}$
21	NGA2B	$\begin{array}{c} \text{CL-6MAG-2Ramo-6} \\ \text{CL-6MAG-6Ramo-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-2Ramo-3} \end{array}$
22	NA2	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{GalS-4G1-6MAG-2Ramo-3} \end{array}$
23	NGA2F	$\begin{array}{c} \text{CL-6MAG-2Ramo-6} \quad \text{Fuco-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-2Ramo-3} \end{array}$
24	NA2F	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \quad \text{Fuco-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{GalS-4G1-6MAG-2Ramo-3} \end{array}$
25	NA2FB	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \quad \text{Fuco-6} \\ \text{CL-6MAG-6Ramo-4G1-6MAG-4G1-6MAG-OH} \\ \text{GalS-4G1-6MAG-2Ramo-3} \end{array}$
26	A2(2-6)	$\begin{array}{c} \text{NeuAcS-3GalS-4G1-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{NeuAcS-3GalS-4G1-6MAG-2Ramo-3} \end{array}$
27	A2F(2-3)	$\begin{array}{c} \text{NeuAcS-3GalS-4G1-6MAG-2Ramo-6} \quad \text{Fuco-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{NeuAcS-3GalS-4G1-6MAG-2Ramo-3} \end{array}$
28	NGA3B	$\begin{array}{c} \text{CL-6MAG-2Ramo-6} \\ \text{CL-6MAG-6Ramo-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-6Ramo-3} \\ \text{CL-6MAG-2} \end{array}$
29	NA3-Lex	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \\ \text{Fuco-3} \quad \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{GalS-4G1-6MAG-6Ramo-3} \\ \text{GalS-4G1-6MAG-2} \end{array}$
30	NA3	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{GalS-4G1-6MAG-6Ramo-3} \\ \text{GalS-4G1-6MAG-2} \end{array}$
31	A3	$\begin{array}{c} \text{NeuAcS-3GalS-4G1-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{NeuAcS-3GalS-4G1-6MAG-6Ramo-3} \\ \text{NeuAcS-6GalS-4G1-6MAG-2} \end{array}$
32	NA4	$\begin{array}{c} \text{GalS-4G1-6MAG-6} \\ \text{GalS-4G1-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{GalS-4G1-6MAG-6Ramo-3} \\ \text{GalS-4G1-6MAG-2} \end{array}$
33	NGA4	$\begin{array}{c} \text{CL-6MAG-6} \\ \text{CL-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-2Ramo-3} \\ \text{CL-6MAG-6} \end{array}$
34	NGA5B	$\begin{array}{c} \text{CL-6MAG-2} \\ \text{CL-6MAG-6Ramo-6} \\ \text{CL-6MAG-6} \\ \text{CL-6MAG-6Ramo-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-6Ramo-3} \\ \text{CL-6MAG-3} \end{array}$
35	GNMan5BGN2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-2Ramo-6} \\ \text{CL-6MAG-6Ramo-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-2Ramo-3} \end{array}$
142	Man3(a3,a6)	$\begin{array}{c} \text{Ramo-6Ramo-OH} \\ \text{Ramo-3} \end{array}$
143	Man5(a3,a6)	$\begin{array}{c} \text{Ramo-3} \\ \text{Ramo-6Ramo-6Ramo-OH} \\ \text{Ramo-3} \end{array}$
177	Man2(a6)	Ramo-6Ramo-OH
197	N4	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-3} \end{array}$
239	NA2F-AO	$\begin{array}{c} \text{GalS-4G1-6MAG-2Ramo-6} \quad \text{Fuco-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-AO} \\ \text{GalS-4G1-6MAG-2Ramo-3} \end{array}$
240	Man9GN2-AO	$\begin{array}{c} \text{Ramo-2Ramo-6} \\ \text{Ramo-2Ramo-2Ramo-6} \\ \text{Ramo-6-4G1-6MAG-4G1-6MAG-AO} \\ \text{Ramo-2Ramo-2Ramo-3} \end{array}$
267	Glc1Man9GN2	$\begin{array}{c} \text{Ramo-2Ramo-6} \\ \text{Ramo-6} \\ \text{Ramo-2Ramo-3} \quad \text{Ramo-6-4G1-6MAG-4G1-6MAG-OH} \\ \text{CL-6MAG-2Ramo-2Ramo-3} \end{array}$
268	Man3FXylGN2	$\begin{array}{c} \text{Ramo-6} \\ \text{Ramo-2Ramo-4G1-6MAG-4G1-6MAG-OH} \\ \text{Ramo-3} \quad \text{Fuco-3} \end{array}$

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272	AGP-Bi-Ac2	NeuAc6-Gal1S-4GlcNAc6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-OM NeuAc6-Gal1S-4GlcNAc6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-OM
273	AGP-Bi-AcGc	NeuAc6(Glc1S-4GlcNAc6-4GlcNAc6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-OM NeuAc6(Glc1S-4GlcNAc6-4GlcNAc6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-OM
274	AGP-Bi-Gc2	NeuAc6-Gal1S-4GlcNAc6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-OM NeuAc6-Gal1S-4GlcNAc6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-OM
371	Man1GN1	Hex6-4GlcNAc-OM
375	N3	GlcNAc6-2FHex-6 Fuc6-6 Glc6-4 Fuc6-4GlcNAc6-4GlcNAc-OM GlcNAc6-2FHex-6
401	Man2GN1	Hex6-2FHex-6-4GlcNAc-OM
403	Fuc-GlcNAc	Fuc6-4GlcNAc-OM
462	Man2(a3)	Hex6-2FHex-OM
463	Man2(a2)	Hex6-2FHex-OM
560	Man7(D1)GN2-AO	Hex6-6 Hex6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-AD Hex6-2FHex-6
561	Glc1Man9GN2-AO	Hex6-2FHex-6 Hex6-6 Hex6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-AD Glc6-3FHex-6
562	Glc2Man7(D1)GN1-AO	Hex6-6 Hex6-2FHex-6 Fuc6-4GlcNAc-AD Glc6-3Glc6-3FHex-6
563	Glc3Man7(D1)GN1-AO	Hex6-6 Hex6-2FHex-6 Fuc6-4GlcNAc-AD Glc6-3Glc6-3Glc6-3FHex-6
885	Glc2Man9GN2-AO	Hex6-2FHex-6 Hex6-6 Fuc6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-AD Glc6-3Glc6-3FHex-6
889	GlcNac2Man3-AO	GlcNAc6-2FHex-6 Hex-AD GlcNAc6-2FHex-6
925	Glc2Man4GN2-AO	Glc6-3Glc6-3FHex-6 Fuc6-4GlcNAc6-4GlcNAc-AD Glc6-3Glc6-3FHex-6
942	Glc2Man-AO	Glc6-3Glc6-3FHex-AD
943	Glc2Man2-AO	Glc6-3Glc6-3FHex-2FHex-AD
944	Glc2Man3-AO	Glc6-3Glc6-3FHex-2FHex-AD
945	Glc2Man8(B)GN2-AO	Hex6-2FHex-6 Hex6-6 Hex6-3 Fuc6-4GlcNAc6-4GlcNAc-AD Glc6-3Glc6-3FHex-6
946	Glc2Man8(C)GN2-AO	Hex6-6 Hex6-6 Hex6-2FHex-6 Fuc6-4GlcNAc6-4GlcNAc-AD Glc6-3Glc6-3FHex-6
1015	Glc3Man9GN2-AO	Hex6-2FHex-6 Hex6-6 Hex6-2FHex-6 Fuc6-4GlcNAc-AD Glc6-3Glc6-3Glc6-3FHex-6
1016	P6-1 (GTP 4N(2,3)-4A+F)	NeuAc6-3Gal1S-4GlcNAc6-6 NeuAc6-3Gal1S-4GlcNAc6-2FHex-6 Fuc6-6 Fuc6-4GlcNAc6-4GlcNAc-OM NeuAc6-3Gal1S-4GlcNAc6-2FHex-6 NeuAc6-3Gal1S-4GlcNAc6-6
1017	P7-2 (GTP 4N(2,3)-4A+1R+F)	NeuAc6-3Gal1S-4GlcNAc6-6 NeuAc6-3Gal1S-4GlcNAc6-3Gal1S-4GlcNAc6-2FHex-6 Fuc6-6 Fuc6-4GlcNAc6-4GlcNAc-OM NeuAc6-3Gal1S-4GlcNAc6-2FHex-6 NeuAc6-3Gal1S-4GlcNAc6-4
1018	P8-1 (GTP 4N(2,3)-4A+2R+F)	NeuAc6-3Gal1S-4GlcNAc6-3Gal1S-4GlcNAc6-6 NeuAc6-3Gal1S-4GlcNAc6-3Gal1S-4GlcNAc6-2FHex-6 Fuc6-6 Fuc6-4GlcNAc6-4GlcNAc-OM NeuAc6-3Gal1S-4GlcNAc6-2FHex-6 NeuAc6-3Gal1S-4GlcNAc6-4
1019	P22-1 (GTP 3N(2,3)-3A(2,6)+F)	NeuAc6-3Gal1S-4GlcNAc6-6 NeuAc6-3Gal1S-4GlcNAc6-2FHex-6 Fuc6-6 Fuc6-4GlcNAc6-4GlcNAc-OM NeuAc6-3Gal1S-4GlcNAc6-2FHex-6
1024	(6P)Man5GN2.AO	P-6FHex-6 Hex6-6 Hex6-3 Fuc6-4GlcNAc6-4GlcNAc-AD Hex6-3 P-6FHex-6 Hex6-6 Hex6-3 Fuc6-4GlcNAc6-4GlcNAc-AD Hex6-2FHex-6
1025	(6P)Man6GN2.AO	P-6FHex-6 Hex6-6 Hex6-3 Fuc6-4GlcNAc6-4GlcNAc-AD Hex6-2FHex-6

Group E : Ganglioside related

Probe ID	Probe Name	Textual Sequence
47	Asialo-GM2	GalNAc6-4Gal1S-4Glc6-Cer
50	Asialo-GM1-Tetra	Gal1S-3GalNAc6-4Gal1S-4Glc6-OM
53	Asialo-GM1	Gal1S-3GalNAc6-4Gal1S-4Glc6-Cer
91	GM4	NeuAc6-3Gal1S-Cer
93	GM3	NeuAc6-3Gal1S-4Glc6-Cer
95	GM3(Gc)	NeuAc6-3Gal1S-4Glc6-Cer
102	GM2	GalNAc6-4Gal1S-4Glc6-Cer NeuAc6-3
104	GM1b	NeuAc6-3Gal1S-3GalNAc6-4Gal1S-4Glc6-Cer
109	GM1(Gc)	Gal1S-3GalNAc6-4Gal1S-4Glc6-Cer NeuAc6-3

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110	GM1	GalB-3GalNAc-6GalE-4Glc-Cer NeuAc-3
115	GD3	NeuAc-8NeuAc-3GalE-4Glc-Cer
118	GD2	GalNAc-6GalE-4Glc-Cer NeuAc-8NeuAc-3
119	GD1a	NeuAc-3GalE-3GalNAc-6GalE-4Glc-Cer NeuAc-3
120	GD1b	GalE-3GalNAc-6GalE-4Glc-Cer NeuAc-8NeuAc-3
121	GalNAc-GD1a(Ac,Gc)	GalNAc-6GalE-3GalNAc-6GalE-4Glc-Cer NeuAc-3 NeuAc-3 GalNAc-6GalE-3GalNAc-6GalE-4Glc-Cer NeuAc-3 NeuAc-3
123	GT1a	NeuAc-8NeuAc-3GalE-3GalNAc-6GalE-4Glc-Cer NeuAc-3
124	GT1b	NeuAc-3GalE-3GalNAc-6GalE-4Glc-Cer NeuAc-8NeuAc-3
125	GQ1b	NeuAc-8NeuAc-3GalE-3GalNAc-6GalE-4Glc-Cer NeuAc-8NeuAc-3
281	SM3	SU-3GalE-4Glc-Cer
282	Haematoside	NeuAc-3GalE-4Glc-Cer
283	SM1a	GalE-3GalNAc-6GalE-4Glc-Cer SU-3
284	SB2	SU-3GalNAc-6GalE-4Glc-Cer SU-3
285	SB1a	SU-3GalE-3GalNAc-6GalE-4Glc-Cer SU-3
295	GM1-penta	GalE-3GalNAc-6GalE-4Glc-OH NeuAc-3
296	GM1(Gc)-penta	GalE-3GalNAc-6GalE-4Glc-OH NeuAc-3
306	GD1a-hexa	NeuAc-3GalE-3GalNAc-6GalE-4Glc-OH NeuAc-3
452	SM2	GalNAc-6GalE-4Glc-Cer SU-3
520	GD3-tetra	NeuAc-8NeuAc-3GalE-4Glc-OH
521	GD3-tetra-AO	NeuAc-8NeuAc-3GalE-4Glc-AO
581	GSC-68	NeuAc-6GalE-3GalNAc-6GalE-4Glc-Cer36
583	GSC-442	GalNAc-6GalE-4Glc-Cer36 NeuAc-6
584	GSC-155	GalE-3GalNAc-6GalE-4Glc-Cer36 NeuAc-6
585	GSC-118	NeuAc-3GalE-3GalNAc-6GalE-4Glc-Cer36 NeuAc-6
586	GSC-107	NeuAc-6GalE-3GalNAc-6GalE-4Glc-Cer36 NeuAc-6
592	GSC-193	GalNAc-6GalE-4Glc-Cer36 K2Mu-3
593	GSC-195	K2Mu-3GalE-3GalNAc-6GalE-4Glc-Cer36 K2Mu-3
631	GSC-335	SU-6 NeuAc-3GalE-3GalNAc-6GalE-4Glc-Cer36
646	GSC-576	GalNAc-6GalE-3Glc-C36 NeuAc-3
661	GSC-108	GalNAc-6GalE-4Glc-Cer36 NeuAc-3
1089	GD1b-DH	GalE-3GalNAc-6GalE-4Glc-OH NeuAc-8NeuAc-3
1090	GM1b-DH	NeuAc-3GalE-3GalNAc-6GalE-4Glc-OH
1091	GT1c-DH	GalE-3GalNAc-6GalE-4Glc-OH NeuAc-8NeuAc-3

Group F : O-glycan related

Probe ID	Probe Name	Textual Sequence
40	GalB-3GalNAc	GalE-3GalNAc-OH
41	GalB-6GalNAc	GalE-6GalNAc-OH
42	GalNAcα-3GalNAc	GalNAcα-3GalNAc-OH
43	A8/1	GLcNAc-6GalE-OX
70	A15/3	GLcNAc-6GalE-3GalE-OX Fucose-2
99	B12/3	GalNAc-6GalE-OX NeuGlc-3
101	B13/b	GalNAc-6GalE-3GLcNAc-OX K2Mu-3
116	DST	NeuAc-3GalE-3GalNAc-OH NeuAc-6
126	A15/1	SU-6GLcNAc-OY
131	A8/2	SU-6 Fucose-3GLcNAc-OY
147	B13/a	GLcAB-3GalE-3GLcNAc-OX
423	B13/a	GLcAB-3GalE-3GLcNAc-OX
448	Man-Ser	Man-Ser-OH

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236	Hep-Di-IS-AO	AUA-4GlcNS-AO SU-2 SU-6
286	CSA-4*	AUA-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4
287	CSB-4*	AUA-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4
288	CSC-4*	AUA-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6
289	HA-S4*	GlcAB-3GlcNAc6-4GlcAB-3GlcNAc-DH
290	HA-S14*	GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc-DH
292	Hep-Di IS	AUA-4GlcNS-DH SU-2 SU-6
294	HS-8*	AUA-4GlcNAc6-4HexA-4GlcNAc6-4HexA-4GlcNAc6-4HexA-4aMan-DH
566	CSA-16*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
567	CSB-16*	AUA-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
568	CSC-16*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6
569	HA-S16*	GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc-DH
679	CSA-6*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4 SU-4
680	CSA-8*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4 SU-4 SU-4
681	CSA-10*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4
682	CSA-12*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
683	CSA-18*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
684	CSA-20*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
685	CSB-6*	AUA-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4 SU-4
686	CSB-8*	AUA-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4 SU-4 SU-4
687	CSB-10	AUA-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4
688	CSB-12*	AUA-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
689	CSB-18*	AUA-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
690	CSB-20*	AUA-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc6-4IdoAn-3GalNAc-DH SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4 SU-4
691	CSC-6*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6
692	CSC-8*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6 SU-6
693	CSC-10*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6 SU-6 SU-6
694	CSC-12*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6 SU-6 SU-6 SU-6
695	CSC-18*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6
696	CSC-20*	AUA-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6
697	CSC-S4*	GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6
698	CSC-S6*	GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH SU-6 SU-6 SU-6
699	CSC-S8*	GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc6-4GlcAB-3GalNAc-DH S

706	HA-S12*	$\begin{array}{c} \text{GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc- DH} \\ \text{SU-4} \qquad \qquad \qquad \text{SU-4} \end{array}$
707	HA-S18*	$\text{GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc- DH}$
708	CSA-3*	$\begin{array}{c} \text{GalNAc6-4GlcAB-3GalNAc- DH} \\ \text{SU-4} \qquad \qquad \qquad \text{SU-4} \end{array}$
709	CSA-5*	$\begin{array}{c} \text{GalNAc6-4GlcAa-3GalNAc6-4GlcAa-3GalNAc- DH} \\ \text{SU-4} \qquad \qquad \qquad \text{SU-4} \qquad \qquad \qquad \text{SU-4} \end{array}$
710	CSB-3*	$\begin{array}{c} \text{GalNAc6-4IdoAa-3GalNAc- DH} \\ \text{SU-4} \qquad \qquad \qquad \text{SU-4} \end{array}$
711	CSB-5*	$\begin{array}{c} \text{GalNAc6-4IdoAa-3GalNAc6-4IdoAa-3GalNAc- DH} \\ \text{SU-4} \qquad \qquad \qquad \text{SU-4} \qquad \qquad \qquad \text{SU-4} \end{array}$
712	CSC-3*	$\begin{array}{c} \text{GalNAc6-4GlcAB-3GalNAc- DH} \\ \text{SU-6} \qquad \qquad \qquad \text{SU-6} \end{array}$
713	CSC-5*	$\begin{array}{c} \text{GalNAc6-4GlcAB-3GalNAc6-4GlcAa-3GalNAc- DH} \\ \text{SU-6} \qquad \qquad \qquad \text{SU-6} \qquad \qquad \qquad \text{SU-6} \end{array}$
714	HS-S4-AO*	$\text{GlcAB-4GlcNAca-4GlcAB-4aMan- AD}$
715	HS-S6-AO*	$\text{GlcAB-4GlcNAca-4GlcAB-4GlcNAca-4GlcAB-4aMan- AD}$
716	HS-S8-AO*	$\text{GlcAB-4GlcNAca-4GlcAB-4GlcNAca-4GlcAB-4GlcNAca-4GlcAB-4aMan- AD}$
717	Hep-S4-AO*	$\begin{array}{c} \text{IdoAa-4GlcNSa-4IdoAa-4aMan- AD} \\ \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
718	Hep-S6-AO*	$\begin{array}{c} \text{IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4aMan- AD} \\ \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
719	Hep-S8-AO*	$\begin{array}{c} \text{IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4aMan- AD} \\ \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
720	Hep-4-AO*	$\begin{array}{c} \text{SU-6} \\ \text{ΔUA-4GlcNSa-4IdoAa-4GlcNS- AD} \\ \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
721	Hep-6-AO*	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNS- AD} \\ \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
722	Hep-8-AO*	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNS- AD} \\ \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
723	Hep-10-AO*	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNS- AD} \\ \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
724	Hep-12-AO*	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNS- AD} \\ \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
725	Hep-14-AO*	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNS- AD} \\ \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
726	Hep-16-AO*	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNSa-4IdoAa-4GlcNS- AD} \\ \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \quad \text{SU-2} \quad \text{SU-6} \end{array}$
727	HA-12*	$\text{ΔUA-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc6-4GlcAB-3GlcNAc- DH}$
728	CS-Di 0S	ΔUA-3GalNAc- AD
729	CS-Di 2S	$\begin{array}{c} \text{ΔUA-3GalNAc- AD} \\ \text{SU-2} \end{array}$
730	CS-Di 4S	$\begin{array}{c} \text{ΔUA-3GalNAc- AD} \\ \text{SU-4} \end{array}$
731	CS-Di 6S	$\begin{array}{c} \text{ΔUA-3GalNAc- AD} \\ \text{SU-6} \end{array}$
732	CS-Di 2,4S	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-3GalNAc- AD} \\ \text{SU-4} \end{array}$
733	CS-Di 2,6S	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-3GalNAc- AD} \\ \text{SU-6} \end{array}$
734	CS-Di 4,6S	$\begin{array}{c} \text{SU-6} \\ \text{ΔUA-3GalNAc- AD} \\ \text{SU-4} \end{array}$
735	CS-Di 2,4,6S	$\begin{array}{c} \text{SU-6} \\ \text{SU-2} \quad \text{SU-6} \\ \text{ΔUA-3GalNAc- AD} \\ \text{SU-4} \end{array}$
736	Hep-Di IA	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNAc- AD} \\ \text{SU-6} \end{array}$
737	Hep-Di IIA	$\begin{array}{c} \text{ΔUA-4GlcNAc- AD} \\ \text{SU-6} \end{array}$
738	Hep-Di IIIA	$\begin{array}{c} \text{ΔUA-4GlcNAc- AD} \\ \text{SU-2} \end{array}$
739	Hep-Di IVA	ΔUA-4GlcNAc- AD
740	Hep-Di IS-AD	$\begin{array}{c} \text{SU-2} \\ \text{ΔUA-4GlcNS- AD} \\ \text{SU-6} \end{array}$

741	Hep-Di IIS	AUA-4GlcNS-AD SU-6
742	Hep-Di IIIS	SU-2 AUA-4GlcNS-AD
743	Hep-Di IVS	AUA-4GlcNS-AD
744	Hep-Di IH	SU-2 AUA-4GlcH-AD SU-6
745	Hep-Di IIH	AUA-4GlcH-AD SU-6
746	Hep-Di IIHH	SU-2 AUA-4GlcH-AD
747	Hep-Di IVH	AUA-4GlcH-AD
748	CS-Di s4S	GlcA6-3GalNAc-AD SU-4
749	CS-Di s6S	GlcA6-3GalNAc-AD SU-6
758	HEP F3-3	AUA-4GlcNAc-4HexA-4GlcNAc-AD
759	HEP F3-5	AUA-4GlcNS-4HexA-4GlcNAc-AD
760	HEP F3-8	SU-2 AUA-4GlcNS-4IdoA-4GlcNS-4GlcA8-4GlcNS-AD SU-6 SU-2 SU-6 SU-6
762	HEP F3-1B	AUA-4GlcNA-4HexA-4GlcNAc-AD
763	CSC(H14) F5-2	AUA-3GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc-6H SU-6 SU-6 SU-6
764	CSC(H14) F6-1	AUA-3GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc-6H SU-6 SU-6 SU-6 SU-6
765	CSC F10 Hg*	GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc6-4GlcA8-3GalNAc-6H SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6 SU-6

Group I : Homo-oligomers

Probe ID	Probe Name	Textual Sequence
160	Kojibiose	Glcα-2Glc-6H
474	Glc2(a2)-AO	Glcα-2Glc-AD
948	Cyano-2-AO	Glcα-2Glc-AD
949	Cyano-3-AO	Glcα-2Glcα-2Glc-AD
950	Cyano-4-AO	Glcα-2Glcα-2Glcα-2Glc-AD
951	Cyano-5-AO	Glcα-2Glcα-2Glcα-2Glcα-2Glc-AD
952	Cyano-6-AO*	Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glc-AD
953	Cyano-7-AO*	Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glc-AD
954	Cyano-8-AO*	Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glc-AD
955	Cyano-9-AO*	Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glcα-2Glc-AD
472	Nigerose	Glcα-3Glc-6H
475	Nigerose-AO	Glcα-3Glc-AD
1093	Poria-3-AO	Glcα-3Glcα-3Glc-AD
1094	Poria-4-AO	Glcα1-3Glcα1-3Glcα1-3Glc-AD
1095	Poria-5-AO	Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD
1096	Poria-6-AO	Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD
1097	Poria-7-AO	Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD
1098	Poria-8-AO*	Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD
1099	Poria-9-AO*	Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD
1100	Poria-10-AO*	Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD
1138	Poria-11-AO*	Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD
1141	Poria-12-AO*	Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glcα-3Glc-AD

1143	Poria-13-AO*	GlcA-3GlcA-3GlcA-3GlcA-3GlcA-3GlcA-3GlcA-3GlcA-3GlcA-3GlcA-3GlcA-3GlcA-AD
165	Malto-2	GlcA-4Glc-DH
480	Malto-2-AO	GlcA-4Glc-AD
166	Malto-3	GlcA-4GlcA-4Glc-DH
481	Malto-3-AO	GlcA-4GlcA-4Glc-AD
167	Malto-4	GlcA-4GlcA-4GlcA-4Glc-DH
482	Malto-4-AO	GlcA-4GlcA-4GlcA-4Glc-AD
477	Malto-5	GlcA-4GlcA-4GlcA-4GlcA-4Glc-DH
483	Malto-5-AO	GlcA-4GlcA-4GlcA-4GlcA-4Glc-AD
478	Malto-6	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4Glc-DH
484	Malto-6-AO	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4Glc-AD
479	Malto-7	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4Glc-DH
485	Malto-7-AO	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4Glc-AD
523	Malto-8-AO*	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4Glc-AD
524	Malto-9-AO*	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-AD
525	Malto-10-AO*	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4Glc-AD
526	Malto-11-AO*	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-AD
527	Malto-12-AO*	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4Glc-AD
528	Malto-13-AO*	GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-4GlcA-AD
169	Dext-2	GlcA-6Glc-DH
487	Dext-2-AO	GlcA-6Glc-AD
486	Dext-3	GlcA-6GlcA-6Glc-DH
445	Dext-3-AO	GlcA-6GlcA-6Glc-AD
170	Dext-4	GlcA-6GlcA-6GlcA-6Glc-DH
489	Dext-4-AO	GlcA-6GlcA-6GlcA-6Glc-AD
171	Dext-5*	GlcA-6GlcA-6GlcA-6GlcA-6Glc-DH
490	Dext-5-AO*	GlcA-6GlcA-6GlcA-6GlcA-6Glc-AD
172	Dext-6*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-DH
491	Dext-6-AO*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-AD
214	Dext-7*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-DH
263	Dext-7-AO	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-AD
303	Dext-8*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-DH
529	Dext-8-AO*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-AD
530	Dext-9-AO*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-AD
531	Dext-10-AO*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-AD
532	Dext-11-AO*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6Glc-AD
533	Dext-12-AO*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-AD
534	Dext-13-AO*	GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-6GlcA-4Glc-AD
1070	i-Pano-3-AO	GlcA-4GlcA-6Glc-AD
1069	Pano-3-AO	GlcA-6GlcA-4Glc-AD
995	Pullu-4-AO	GlcA-6GlcA-4GlcA-4Glc-AD
996	Pullu-7-AO	GlcA-6GlcA-4GlcA-4GlcA-6GlcA-4GlcA-4Glc-AD
924	Sophorose-AO	GlcB-2Glc-AD
956	CßG-2-AO	GlcB-2Glc-AD
957	CßG-3-AO	GlcB-2GlcB-2Glc-AD
958	CßG-4-AO	GlcB-2GlcB-2GlcB-2Glc-AD

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959	C8G-5-AO*	Gl c8-26lc8-26lc8-26lc8-26lc-AO
960	C8G-6-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc-AO
961	C8G-7-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc-AO
962	C8G-8-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc-AO
963	C8G-9-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc-AO
964	C8G-10-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc-AO
965	C8G-11-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc-AO
966	C8G-12-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc-AO
967	C8G-13-AO*	Gl c8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc8-26lc-AO
213	NSG-7-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
204	NSG-11-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
212	NSG-12-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
519	NSG-13-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
492	Lam-2	Gl c8-36lc-DH
497	Lam-2-AO	Gl c8-36lc-AO
493	Lam-3	Gl c8-36lc8-36lc-DH
498	Lam-3-AO	Gl c8-36lc8-36lc-AO
494	Lam-4	Gl c8-36lc8-36lc8-36lc-DH
499	Lam-4-AO	Gl c8-36lc8-36lc8-36lc-AO
161	Lam-5	Gl c8-36lc8-36lc8-36lc8-36lc-DH
500	Lam-5-AO	Gl c8-36lc8-36lc8-36lc8-36lc-AO
162	Lam-6*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc-DH
501	Lam-6-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
496	Lam-7	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-DH
502	Lam-7-AO	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
163	Curd-8-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
503	Curd-8-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
504	Curd-9-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
518	Curd-10-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
505	Curd-10-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
262	Curd-11*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-DH
196	Curd-11-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
198	Curd-11-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
164	Curd-12-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
507	Curd-12-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
259	Curd-13*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-DH
258	Curd-13-AD*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
260	Curd-13-AO*	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
992	HE-8-AO	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
993	HE-9-AO	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
994	HE-10-AO	Gl c8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc8-36lc-AO
473	Cellobiose	Gl c8-46lc-DH
476	Cellobiose-AO	Gl c8-46lc-AO
536	Cello-3	Gl c8-46lc8-46lc8-46lc-DH
892	Cello-3-AO	Gl c8-46lc8-46lc8-46lc-AO
537	Cello-4	Gl c8-46lc8-46lc8-46lc8-46lc-DH

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893	Cello-4-AO	GlcB-4GlcB-4GlcB-4Glc-AO
168	Cello-5*	GlcB-4GlcB-4GlcB-4GlcB-4Glc-DH
894	Cello-5-AO*	GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
539	Cello-6*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-DH
895	Cello-6-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
896	Cello-7-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
897	Cello-8-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
898	Cello-9-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
899	Cello-10-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
900	Cello-11-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
901	Cello-12-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
902	Cello-13-AO*	GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4GlcB-4Glc-AO
509	Gentiobiose-AO	GlcB-6Glc-AO
903	Pust-3-AO	GlcB-6GlcB-6Glc-AO
904	Pust-4-AO	GlcB-6GlcB-6GlcB-6Glc-AO
905	Pust-5-AO	GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
906	Pust-6-AO	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
173	Pust-7-AD*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
907	Pust-7-AO*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
908	Pust-8-AO*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
1101	Pust-9-AO*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
1102	Pust-10-AO*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
1103	Pust-11-AO*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
1104	Pust-15-AO*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
174	Pust-13-AD*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
1105	Pust-15 α -AO*	GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6GlcB-6Glc-AO
1055	Barley-3-AO	GlcB-4GlcB-3Glc-AO
997	Barley-3 α -AO	GlcB-3GlcB-4Glc-AO
998	Barley-3b-AO	GlcB-4GlcB-3Glc-AO
1056	Barley-4-AO	GlcB-4GlcB-4GlcB-3Glc-AO
999	Barley-4 α -AO	GlcB-3GlcB-4GlcB-4Glc-AO
1000	Barley-4b-AO	GlcB-4GlcB-4GlcB-3Glc-AO
1001	Barley-4c-AO	GlcB-4GlcB-3GlcB-4Glc-AO
1057	Barley-5-AO*	GlcB-4GlcB-4GlcB-4GlcB-3Glc-AO
1002	Barley-5 α -AO	GlcB-3GlcB-4GlcB-6GlcB-4Glc-AO
1058	Barley-6-AO*	(GlcB-3/4GlcB)2-4GlcB-3Glc-AO
1003	Barley-6 α -AO	GlcB-3GlcB-4GlcB-6GlcB-4GlcB-3Glc-AO; and GlcB-3GlcB-4GlcB-4GlcB-4GlcB-3Glc-AO (ratio -1:1)
1059	Barley-7-AO*	GlcB-4GlcB-4GlcB-3GlcB-4GlcB-4GlcB-3Glc-AO
1060	Barley-8-AO*	(GlcB-4/3GlcB)3-4GlcB-3Glc-AO
1061	Barley-9-AO*	(GlcB-4/3GlcB)4-3Glc-AO
1062	Barley-10-AO*	(GlcB-4/3GlcB)4-4GlcB-3Glc-AO
1063	Barley-11-AO*	(GlcB-4/3GlcB)5-3Glc-AO
1064	Barley-12-AO*	(GlcB-4/3GlcB)5-4GlcB-3Glc-AO
1065	Barley-13-AO*	(GlcB-4/3GlcB)6-3Glc-AO
1066	Barley-14-AO*	(GlcB-4/3GlcB)6-4GlcB-3Glc-AO
1067	Barley-15-AO*	(GlcB-4/3GlcB)7-3Glc-AO

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605	GN-Asn	GlcNAc6-Asn-OH
627	GSC-284	GalNAc6-6Gal18-4Glc18-Cer36 NeuAco-3
633	GSC-384	NeuAco-3Gal18-4GlcNAc6-4GalNAc6-3Gal18-4Glc18-C38 Fucose-3
637	GSC-446	NeuAco-3Gal18-4GlcNAc6-6GalNAco-3Gal18-4Glc18-C38
645	GSC-575	GalNAc6-4Gal18-3Gal18-C38 NeuAco-3
914	Glc(a6,a4,a4)-AO	Glcα-6Glcα-4Glcα-4Glc-AO
922	O1-AO	GlcNAc6-6 Gal-AO GlcNAc6-3
923	Rutinoside-AO	Rhaα-6Glc-AO

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