

Chart Number	CrataBL (20ug/ml) Slide#15205 rRequest#2547 Alexa488 3/6/2012 YL
22	6S(3S)Galb1-4(6S)GlcNAcb-Sp0
445	(6S)Galb1-3(6S)GlcNAc-Sp0
502	Fuca1-2(6S)Galb1-3(6S)GlcNAcb-Sp0
35	(3S)Galb1-4(6S)GlcNAcb-Sp8
512	(6S)(4S)GalNAcb1-4GlcNAc-Sp8
298	(6S)Galb1-4(6S)GlcNAcb-Sp0
27	(3S)Galb1-4(6S)Glc-Sp8
34	(3S)Galb1-4(6S)GlcNAcb-Sp0
23	6S(3S)Galb1-4GlcNAcb-Sp0
45	(6S)Galb1-4(6S)Glc-Sp8
39	(6S)(4S)Galb1-4GlcNAcb-Sp0
26	(3S)Galb1-4(6S)Glc-Sp0
542	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
548	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
220	(3S)Galb1-4(Fuca1-3)(6S)GlcNAcb-Sp8
297	4S(3S)Galb1-4GlcNAcb-Sp0
252	Neu5Aca2-3Galb1-4(6S)GlcNAcb-Sp8
47	(6S)GlcNAcb-Sp8
514	(3S)GalNAcb1-4(3S)GlcNAc-Sp8
243	Neu5Aca2-3Galb1-3(6S)GalNAca-Sp8
481	Neu5Aca2-6Galb1-4GlcNAcb1-6GalNAca-Sp14
202	GlcAa-Sp8
517	(4S)GalNAcb-Sp10
546	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
156	Galb1-4(6S)Glc-Sp0
203	GlcAb-Sp8
253	Neu5Aca2-3Galb1-4(Fuca1-3)(6S)GlcNAcb-Sp8
607	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
223	Fuca1-2(6S)Galb1-4(6S)Glc-Sp0
608	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
343	GlcNAca1-4Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
419	GalNAca1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb1-3GalNAc-Sp14
157	Galb1-4(6S)Glc-Sp8
479	Neu5Aca2-3Galb1-4GlcNAcb1-2Mana-Sp0
454	GalNAcb1-4Galb1-4Glc-Sp0
205	GlcAb1-6Galb-Sp8
204	GlcAb1-3Galb-Sp8
299	(6P)Glc-Sp10
268	Neu5Aca2-6Galb1-4(6S)GlcNAcb-Sp8
239	Neu5Aca2-3Galb1-3(6S)GlcNAc-Sp8
559	GlcNAcb1-3Galb1-4GlcNAcb1-6(GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
444	(6S)Galb1-3GlcNAcb-Sp0
38	(3S)Galb-Sp8
560	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp24
591	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-3)GalNAca-Sp14
571	(3S)GlcAb1-3Galb1-4GlcNAcb1-2Mana-Sp0
276	Neu5Aca2-8Neu5Aca-Sp8
573	Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
230	Neu5Aca2-8Neu5Aca2-8Neu5Aca-Sp8
511	Galb1-3(6S)GlcNAcb-Sp8
592	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3)GalNAca-Sp14
24	(3S)Galb1-4(Fuca1-3)(6S)Glc-Sp0
345	GlcNAca1-4Galb1-3GalNAc-Sp14
530	Neu5Aca2-3Galb1-3GlcNAcb1-4Galb1-4Glc-Sp0
263	Fuca1-2Galb1-4(6S)Glc-Sp0
10	Neu5Aca-Sp11
43	(6S)Galb1-4Glc-Sp8
201	G-ol-Sp8
48	Neu5,9Ac,a-Sp8
81	Fuca1-4GlcNAcb-Sp8
518	Galb1-4(6P)GlcNAcb-Sp0
133	Galb1-4GlcNAcb1-6GalNAc-Sp14
572	Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24



604	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
567	GlcNAcb1-3Galb1-3GalNAc-Sp14
218	Manb1-4GlcNAcb-Sp0
123	Gala1-4Galb1-4Glc-Sp0
468	Gala1-3(Fuca1-2)Galb1-3GalNAc-Sp8
119	Gala1-3Galb-Sp8
570	(3S)GlcAb1-3Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0
600	Galb1-4GlcNAcb1-3Galb1-3GalNAc-Sp14
347	Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp12
59	Fuca1-2Galb1-3GalNAcb1-3Gala-Sp9
326	Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
598	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3GalNAc-Sp14
585	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
226	GalNAcb1-4(Neu5Aca2-8Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3)Galb1-4Glc-Sp0
529	GalNAcb1-4GlcNAcb1-2Mana-Sp0
228	Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3Galb1-4Glc-Sp0
141	Galb1-3GalNAc-Sp14
44	(6S)Galb1-4GlcNAcb-Sp8
588	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
72	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb-Sp0
241	Neu5Aca2-3Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
478	Neu5Aca2-6Galb1-4GlcNAcb1-6(Galb1-3GlcNAcb1-3)Galb1-4Glc-Sp21
168	Galb1-4GlcNAcb1-6(Galb1-3)GalNAc-Sp14
323	Neu5Aca2-8Neu5Aca2-8Neu5Acb-Sp8
324	Neu5Gcb2-6Galb1-4GlcNAc-Sp8
273	Neu5Aca2-6Galb1-4Glc-Sp0
599	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3GalNAc-Sp14
477	Galb1-3GlcNAcb1-2Mana1-6(GlcNAcb1-4)(Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
7	Fuca-Sp9
190	GlcNAcb1-4GlcNAcb1-4GlcNAcb1-4GlcNAcb1-4GlcNAcb1-4GlcNAcb1-Sp8
264	Neu5Aca2-3Galb1-4Glc-Sp0
586	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
67	Fuca1-2Galb1-3GlcNAcb1-3Galb1-4Glc-Sp10
337	GalNAc1-3(Fuca1-2)Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
301	Galb1-3Galb1-4GlcNAcb-Sp8
541	GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp25
242	Neu5Aca2-3Galb1-4(Neu5Aca2-3Galb1-3)GlcNAcb-Sp8
471	Glc1-4Glc1-4Glc1-4Glc-Sp10
356	(6S)GlcNAcb1-3Galb1-4GlcNAcb-Sp0
321	GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
474	Fuca1-2Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-6(Fuca1-2Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp19
418	Gala1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb1-3GalNAc-Sp14
196	Glc1-4Glc-Sp8
353	GlcNAcb1-2Mana1-6(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
497	Galb1-4(Fuca1-3)GlcNAcb1-2Mana-Sp0
463	Neu5Aca2-3Galb1-4GlcNAcb1-6(Neu5Aca2-3Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(Neu5Aca2-3Galb1-4GlcNAcb1-4)Neu5Aca2-3Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
314	Mana1-6Manb-Sp10
101	Gala1-2Galb-Sp8
146	Galb1-3GalNAcb1-4Galb1-4Glc-Sp8
395	Gala1-3Galb1-3GlcNAcb1-2Mana1-6(Gala1-3Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp19
93	GalNAc1-3Galb-Sp8
315	Mana1-6(Mana1-3)Mana1-6(Mana1-3)Manb-Sp10
332	Neu5Aca2-3Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-3(Fuca1-4)GlcNAcb-Sp0
596	GlcNAcb1-3Galb1-4GlcNAcb1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3)GalNAc-Sp14
31	(3S)Galb1-3GlcNAcb-Sp8
587	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
597	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3)GalNAc-Sp14
110	Gala1-4(Gala1-3)Galb1-4GlcNAcb-Sp8
250	Neu5Aca2-3Galb1-3GlcNAcb-Sp0
372	Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-6(Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
40	(4S)Galb1-4GlcNAcb-Sp8
451	Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-6(Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-3)GalNAc-Sp14

582	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp19
100	GalNAcb1-4GlcNAcb-Sp8
28	(3S)Galb1-3(Fuca1-4)GlcNAcb-Sp8
313	MurNAcb1-4GlcNAcb-Sp10
121	Gala1-4Galb1-4GlcNAcb-Sp0
513	(6S)GalNAcb1-4GlcNAcb-Sp8
95	GalNAcb1-3GalNAca-Sp8
480	Neu5Aca2-3Galb1-4GlcNAcb1-6GalNAca-Sp14
5	GalNAca-Sp15
20	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3)GalNAcb-Sp14
122	Gala1-4Galb1-4GlcNAcb-Sp8
583	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2)Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
118	Gala1-3Galb1-4Glc-Sp10
246	Neu5Aca2-3Galb-Sp8
222	Fuca1-2Galb1-4(6S)GlcNAcb-Sp8
580	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
420	Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-6(Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
521	Neu5Aca2-6Galb1-4GlcNAcb1-2Man-Sp0
154	Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
211	Mana1-6(Mana1-2Mana1-3)Mana1-6(Mana1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
469	Gala1-3(Fuca1-2)Galb1-3GalNAcb-Sp8
378	Neu5Aca2-6Galb1-4GlcNAcb1-3GalNAcb-Sp14
237	Neu5Aca2-3GalNAca-Sp8
132	Galb1-4GlcNAcb1-6GalNAca-Sp8
396	Gala1-3Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-6(Gala1-3Galb1-3(Fuca1-4)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
379	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3GalNAca-Sp14
125	Gala1-6Glc-Sp8
109	Gala1-3(Fuca1-2)Galb-Sp18
579	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
166	Galb1-4GlcNAcb1-3Galb1-4Glc-Sp8
467	Neu5Aca2-6Galb1-4GlcNAcb1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(Neu5Aca2-6Galb1-4GlcNAcb1-4)(Neu5Aca2-6Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
302	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
365	Galb1-4GlcNAcb1-2Mana1-6(Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
137	Neu5Aca2-6(Galb1-3)GalNAca-Sp14
192	GlcNAcb1-4GlcNAcb1-4GlcNAcb-Sp8
441	Galb1-6Galb-Sp10
449	Galb1-4GlcNAcb1-2Mana-Sp0
569	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp25
25	(3S)Galb1-4Glc-Sp8
325	Galb1-3GlcNAcb1-2Mana1-6(Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
215	Mana1-2Mana1-2Mana1-6(Mana1-3)Mana-Sp9
1	Gala-Sp8
19	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3)GalNAca-Sp8
611	Galb1-3GalNAcb1-4(Neu5Aca2-8Neu5Aca2-8Neu5Aca2-3)Galb1-4Glc-Sp21
161	Galb1-4GlcNAcb1-3GalNAcb-Sp14
167	Galb1-4GlcNAcb1-6(Galb1-3)GalNAca-Sp8
155	Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
30	(3S)Galb1-3GlcNAcb-Sp0
216	Mana1-6(Mana1-3)Mana1-6(Mana1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
392	Galb1-3GlcNAcb1-3GalNAca-Sp14
270	Neu5Aca2-6Galb1-4GlcNAcb-Sp8
593	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3GalNAca-Sp14
224	Neu5Aca2-3Galb1-3GalNAca-Sp8
272	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
144	Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp0
565	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp25
346	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
466	Neu5Aca2-6Galb1-4GlcNAcb1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(Neu5Aca2-6Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
14	Manb-Sp8
605	GlcNAcb1-6(Neu5Aca2-3Galb1-3)GalNAca-Sp14
595	GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-3)GalNAca-Sp14
195	GlcNAcb1-6Galb1-4GlcNAcb-Sp8
180	GlcNAcb1-3GalNAca-Sp8
193	GlcNAcb1-6GalNAca-Sp8

538	Gala1-3(Fuca1-2)Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp21
492	Neu5Aca2-3Galb1-3GlcNAcb1-6GalNAca-Sp14
490	Gala1-3Galb1-3GlcNAcb1-6GalNAca-Sp14
187	GlcNAcb1-4-MDPLys
84	GalNAca1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb-Sp0
131	Fuca1-4(Galb1-3)GlcNAcb-Sp8
491	Galb1-3(Fuca1-4)GlcNAcb1-6GalNAca-Sp14
448	Galb1-4(Fuca1-3)GlcNAcb1-6GalNAca-Sp14
145	Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc-Sp0
247	Neu5Aca2-3Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp0
465	Neu5Aca2-6Galb1-4GlcNAcb1-4Mana1-6(GlcNAcb1-4)(Neu5Aca2-6Galb1-4GlcNAcb1-4)(Neu5Aca2-6Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
163	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
450	Fuca1-2Galb1-4GlcNAcb1-6(Fuca1-2Galb1-4GlcNAcb1-3)GalNAca-Sp14
340	GlcNAca1-4Galb1-4GlcNAcb-Sp0
96	GalNAcb1-3(Fuca1-2)Galb-Sp8
18	GlcN(Gc)b-Sp8
189	GlcNAcb1-4Galb1-4GlcNAcb-Sp8
355	Galb1-3GlcNAcb1-2Mana1-6(Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
212	Mana1-2Mana1-6(Mana1-3)Mana1-6(Mana1-2Mana1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
318	Neu5Aca2-3Galb1-4GlcNAcb1-6(Neu5Aca2-3Galb1-3)GalNAca-Sp14
406	Gala1-3Galb1-4GlcNAcb1-3GalNAca-Sp14
65	Fuca1-2Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc-Sp9
453	Neu5Aca2-8Neu5Aca2-3Galb1-3GalNAcb1-4(Neu5Aca2-8Neu5Aca2-3)Galb1-4Glc-Sp0
37	(3S)Galb1-4GlcNAcb-Sp8
98	GalNAcb1-4(Fuca1-3)GlcNAcb-Sp0
563	GalNAcb1-3GlcNAcb-Sp0
354	Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
443	GalNAcb1-6GalNAcb-Sp8
6	Fuca-Sp8
487	Neu5Aca2-3Galb1-3GlcNAcb1-2Mana1-6(GlcNAcb1-4)(Neu5Aca2-3Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
240	Neu5Aca2-3Galb1-3(Fuca1-4)GlcNAcb-Sp8
165	Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0
594	GlcNAcb1-3Galb1-4GlcNAcb1-3GalNAca-Sp14
74	Fuca1-2Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
577	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
352	Mana1-6(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
539	Galb1-3GalNAcb1-3Gal-Sp21
561	Gala1-3Galb1-4GlcNAcb1-2Mana1-6(Gala1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
303	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-3)Galb1-4GlcNAcb-Sp0
142	Galb1-3GalNAca-Sp16
261	Neu5Aca2-3Galb1-4GlcNAcb-Sp8
371	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-6(GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
290	Galb1-3GlcNAcb1-3Galb1-3GlcNAcb-Sp0
361	Fuca1-2Galb1-3GlcNAcb1-2Mana1-6(Fuca1-2Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
535	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-2Mana-Sp0
397	Neu5Aca2-3Galb1-3GlcNAcb1-2Mana1-6(Neu5Aca2-3Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
29	(3S)Galb1-3GalNAca-Sp8
528	Gala1-3Galb1-3GlcNAcb1-2Mana-Sp0
238	Neu5Aca2-3GalNAcb1-4GlcNAcb-Sp0
320	Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
105	Gala1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb-Sp8
402	Galb1-4(Fuca1-3)GlcNAcb1-3GalNAca-Sp14
71	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
286	Neu5Gca2-6GalNAca-Sp0
108	Gala1-3(Fuca1-2)Galb-Sp8
258	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4GlcNAcb-Sp8
442	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb-Sp8
103	Gala1-3(Fuca1-2)Galb1-3GlcNAcb-Sp8
245	Neu5Aca2-6(Neu5Aca2-3Galb1-3)GalNAca-Sp14
73	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb-Sp8
472	Neu5Aca2-3Galb1-4GlcNAcb1-6(Neu5Aca2-3Galb1-4GlcNAcb1-3)GalNAca-Sp14
69	Fuca1-2Galb1-3GlcNAcb-Sp8
568	Galb1-3GlcNAcb1-6(Galb1-3)GalNAca-Sp14
92	GalNAca1-3GalNAcb-Sp8
182	GlcNAcb1-3Galb-Sp8
143	Galb1-3GalNAcb-Sp8
566	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp25
32	(3S)Galb1-4(Fuca1-3)GlcNAcb-Sp0
452	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-6(GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-3)GalNAca-Sp14

526	Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-6GalNAc-Sp14
368	Neu5Aca2-6GlcNAcb1-4GlcNAcb1-4GlcNAc-Sp21
550	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp25
394	GalNAca1-3(Fuca1-2)Galb1-3GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp0
551	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp25
104	Gala1-3(Fuca1-2)Galb1-4(Fuca1-3)GlcNAcb-Sp0
464	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-4)(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
358	KDNa2-6Galb1-4GlcNAc-Sp0
200	Glc1-6Glc1-Sp8
556	Neu5Gca2-8Neu5Gca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAc-Sp0
308	GlcAb1-3GlcNAcb-Sp8
334	Gala1-4Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0
15	GalNAcb-Sp8
426	Gala1-3Galb1-3GlcNAcb1-3GalNAc-Sp14
557	Neu5Gca2-8Neu5Gca2-6Galb1-4GlcNAc-Sp0
319	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
432	GlcNAcb1-2Mana1-6(GlcNAcb1-4)(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
578	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
85	(3S)Galb1-4(Fuca1-3)Glc-Sp0
262	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
483	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
438	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
153	Galb1-4(Fuca1-3)GlcNAcb-Sp8
64	Fuca1-2Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc-Sp0
547	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp25
328	Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-6(Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
370	Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-4)(Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
271	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
231	Neu5Aca2-3(6S)Galb1-4(Fuca1-3)GlcNAcb-Sp8
102	Gala1-3(Fuca1-2)Galb1-3GlcNAcb-Sp0
82	Fucb1-3GlcNAcb-Sp8
186	GlcNAcb1-3Galb1-4Glc-Sp0
284	Neu5Gca2-3Galb1-4GlcNAcb-Sp0
549	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
120	Gala1-4(Fuca1-2)Galb1-4GlcNAcb-Sp8
221	Fuca1-2(6S)Galb1-4GlcNAcb-Sp0
198	Glc1-6Glc1-6Glc-Sp8
295	Neu5Aca2-3Galb1-3GlcNAcb1-3Galb1-3GlcNAcb-Sp0
214	Mana1-6(Mana1-3)Mana-Sp9
425	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-3GalNAc-Sp14
181	GlcNAcb1-3GalNAca-Sp14
558	Neu5Aca2-8Neu5Aca2-3Galb1-4GlcNAc-Sp0
147	Galb1-3Galb-Sp8
199	Glc1-4Glc-Sp8
336	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
581	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp19
139	Neu5Aca2-6(Galb1-3)GlcNAcb1-4Galb1-4Glc-Sp10
367	Neu5Aca2-6GlcNAcb1-4GlcNAc-Sp21
414	Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-3GalNAca-Sp14
17	GlcNAcb-Sp8
116	Gala1-3Galb1-4GlcNAcb-Sp8
484	Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
576	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
494	Galb1-4(Fuca1-3)GlcNAcb1-6(Neu5Aca2-6(Neu5Aca2-3Galb1-3)GlcNAcb1-3)Galb1-4Glc-Sp21
310	GlcNAcb1-3Man-Sp10
446	Fuca1-2Galb1-4 GlcNAcb1-2Mana1-6(Fuca1-2Galb1-4GlcNAcb1-2(Fuca1-2Galb1-4GlcNAcb1-4)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
234	GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc-Sp0
233	GalNAcb1-4(Neu5Aca2-3)Galb1-4GlcNAcb-Sp8
296	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-3GlcNAcb-Sp0
412	Galb1-3GalNAcb1-4(Neu5Aca2-8Neu5Aca2-3)Galb1-4Glc-Sp0
70	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
13	Glc-Sp8
57	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Man-a1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21

562	GlcNAcb1-3Galb1-4GlcNAcb1-6(GlcNAcb1-3Galb1-3)GalNAca-Sp14
289	Neu5Aca2-3Galb1-4GlcNAcb1-6(Galb1-3)GalNAca-Sp14
312	GlcNAcb1-4GlcNAcb-Sp12
179	GlcNAcb1-6(GlcNAcb1-3)Galb1-4GlcNAcb-Sp8
351	Galb1-4GlcNAcb1-2Mana1-6Manb1-4GlcNAcb1-4GlcNAc-Sp12
266	Neu5Aca2-6GalNAca-Sp8
244	Neu5Aca2-6(Neu5Aca2-3Galb1-3)GalNAca-Sp8
309	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
400	Neu5Aca2-3Galb1-3GlcNAcb1-3GalNAca-Sp14
330	Neu5,9Ac2a2-3Galb1-3GlcNAcb-Sp0
63	Fuca1-2Galb1-3GalNAca-Sp14
489	Galb1-3GlcNAcb1-6GalNAca-Sp14
50	Mana1-6(Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
485	Mana1-6(Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp19
248	Neu5Aca2-3Galb1-3GlcNAcb1-3Galb1-4GlcNAcb-Sp0
54	Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
68	Fuca1-2Galb1-3GlcNAcb-Sp0
456	Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-6(Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
269	Neu5Aca2-6Galb1-4GlcNAcb-Sp0
9	Neu5Aca-Sp8
486	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-2)Mana1-6(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
80	Fuca1-3GlcNAcb-Sp8
415	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-3GalNAca-Sp14
342	GlcNAca1-4Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0
191	GlcNAcb1-4GlcNAcb1-4GlcNAcb1-4GlcNAcb1-4GlcNAcb1-Sp8
86	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp0
488	Neu5Aca2-6Galb1-4GlcNAcb1-6(Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-3)Galb1-4Glc-Sp21
90	GalNAca1-3(Fuca1-2)Galb-Sp8
3	Mana-Sp8
162	Galb1-4GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
350	Galb1-4GlcNAcb1-2Mana1-3Manb1-4GlcNAcb1-4GlcNAc-Sp12
177	GlcNAcb1-6(GlcNAcb1-3)GalNAca-Sp8
149	Galb1-3GlcNAcb1-3Galb1-4Glc-Sp10
185	GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
60	Fuca1-2Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp9
311	GlcNAcb1-4GlcNAcb-Sp10
287	Neu5Gca2-6Galb1-4GlcNAcb-Sp0
129	Galb1-3(Fuca1-4)GlcNAc-Sp0
294	Galb1-4GlcNAcb1-3Galb1-3GlcNAcb-Sp0
97	GalNAcb1-3Gala1-4Galb1-4GlcNAcb-Sp0
498	Fuca1-2(6S)Galb1-3GlcNAcb-Sp0
170	Galb1-4GlcNAcb-Sp8
430	Galb1-4GlcNAcb1-6(Fuca1-2Galb1-3GlcNAcb1-3)Galb1-4Glc-Sp21
107	Gala1-3(Fuca1-2)Galb1-4Glc-Sp0
171	Galb1-4GlcNAcb-Sp23
575	GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
158	Galb1-4GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8
176	GlcNAcb1-2Galb1-3GalNAca-Sp8
21	GlcNAcb1-6(GlcNAcb1-4)(GlcNAcb1-3)GlcNAc-Sp8
610	GlcNAcb1-3Fuca-Sp21
2	Glca-Sp8
564	GalNAcb1-4GlcNAcb1-3GalNAcb1-4GlcNAcb-Sp0
79	Fuca1-2Galb-Sp8
282	Neu5Gca2-3Galb1-3GlcNAcb-Sp0
267	Neu5Aca2-6GalNAcb1-4GlcNAcb-Sp0
160	Galb1-4GlcNAcb1-3GalNAca-Sp8
341	GlcNAca1-4Galb1-3GlcNAcb-Sp0
429	Galb1-3GlcNAcb1-6(Galb1-3GlcNAcb1-2)Mana1-6(Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
285	Neu5Gca2-3Galb1-4Glc-Sp0
33	(3S)Galb1-4(Fuca1-3)GlcNAc-Sp8
363	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-6(Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp20
91	GalNAca1-3(Fuca1-2)Galb-Sp18
188	GlcNAcb1-6(GlcNAcb1-4)GalNAca-Sp8
439	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(Galb1-4GlcNAcb1-4)(Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
16	GlcNAcb-Sp0
209	Mana1-2Mana1-6(Mana1-2Mana1-3)Mana-Sp9
83	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb-Sp0

130	Galb1-3(Fuca1-4)GlcNAc-Sp8
197	Glc1-4Glc-Sp8
329	Neu5,9Ac2a2-3Galb1-4GlcNAcb-Sp0
66	Fuca1-2Galb1-3GlcNAcb1-3Galb1-4Glc-Sp8
380	GalNAcb1-4GlcNAcb1-2Mana1-6(GalNAcb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp12
94	GalNAca1-4(Fuca1-2)Galb1-4GlcNAcb-Sp8
135	GlcNAcb1-6(Galb1-3)GalNAca-Sp14
280	Neu5Ac2-6Galb1-4GlcNAcb-Sp8
496	Gala1-3Galb1-4GlcNAcb1-6GalNAca-Sp14
391	Fuca1-2Galb1-3GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp0
416	GalNAca1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp0
431	Fuca1-3GlcNAcb1-6(Galb1-4GlcNAcb1-3)Galb1-4Glc-Sp21
175	GlcNAca1-6Galb1-4GlcNAcb-Sp8
8	Rhaa-Sp8
327	Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
369	Galb1-4(Fuca1-3)GlcNAcb1-6(Fuca1-2Galb1-4GlcNAcb1-3)Galb1-4Glc-Sp21
115	Gala1-3Galb1-3GlcNAcb-Sp0
408	Galb1-3GlcNAca1-6Galb1-4GlcNAcb-Sp0
543	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
507	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-6GalNAca-Sp14
437	Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-4)(Galb1-4GlcNAcb1-4)(Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
114	Gala1-3Galb1-4(Fuca1-3)GlcNAcb-Sp8
537	GalNAca1-3(Fuca1-2)Galb1-3GalNAcb1-3Gala1-4Galb1-4Glc-Sp21
259	Neu5Aca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
476	GlcNAcb1-6(GlcNAcb1-2)Mana1-6(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp24
389	GlcNAcb1-2Mana1-6(GlcNAcb1-4)(GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
208	Mana1-2Mana1-2Mana1-3Mana-Sp9
390	Fuca1-2Galb1-3GalNAca1-3(Fuca1-2)Galb1-4Glc-Sp0
148	Galb1-3GlcNAcb1-3Galb1-4GlcNAcb-Sp0
159	Galb1-4GalNAcb1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8
88	GalNAca1-3(Fuca1-2)Galb1-4Glc-Sp0
364	Gala1-3Galb1-4GlcNAcb1-2Mana1-6(Gala1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
382	Galb1-3GalNAca1-3(Fuca1-2)Galb1-4GlcNAc-Sp0
152	Galb1-4(Fuca1-3)GlcNAcb-Sp0
413	Neu5Aca2-3Galb1-3GalNAcb1-4(Neu5Aca2-8Neu5Aca2-3)Galb1-4Glc-Sp0
164	Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
373	Gala1-3Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-6(Gala1-3Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
260	Neu5Aca2-3Galb1-4GlcNAcb-Sp0
333	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
552	Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp25
89	GlcNAcb1-3Galb1-3GalNAca-Sp8
554	Neu5Aca2-8Neu5Gca2-3Galb1-4GlcNAc-Sp0
140	Galb1-3GalNAca-Sp8
544	Neu5Gca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Neu5Gca2-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
545	Fuca1-2Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(Fuca1-2Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
524	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana-Sp0
461	Neu5Aca2-3Galb1-4GlcNAcb1-4Mana1-6(GlcNAcb1-4)(Neu5Aca2-3Galb1-4GlcNAcb1-4)(Neu5Aca2-3Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
458	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-6(GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
455	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-6(GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
403	GalNAca1-3GalNAcb1-3Gala1-4Galb1-4GlcNAcb-Sp0
424	Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-3GalNAc-Sp14
172	Galb1-4Glc-Sp0
87	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb-Sp8



124	Gala1-4GlcNAcb-Sp8
376	Fuca1-4(Fuca1-2Galb1-3)GlcNAcb1-2Mana1-3(Fuca1-4(Fuca1-2Galb1-3)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
126	Galb1-2Galb-Sp8
293	Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-3(Fuca1-4)GlcNAcb-Sp0
447	Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-2Mana1-6(Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-4(Fuca1-2Galb1-4(Fuca1-3)GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
459	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-2)Mana1-6(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
404	Gala1-4Galb1-3GlcNAcb1-2Mana1-6(Gala1-4Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
525	Galb1-3GlcNAcb1-2Mana-Sp0
279	Neu5Acb2-6GalNAca-Sp8
106	Gala1-3(Fuca1-2)Galb1-4GlcNAc-Sp0
277	Neu5Aca2-8Neu5Aca2-3Galb1-4Glc-Sp0
138	Neu5Acb2-6(Galb1-3)GalNAca-Sp8
366	Fuca1-4(Galb1-3)GlcNAcb1-2Mana1-6(Fuca1-4(Galb1-3)GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
381	Galb1-3GalNAca1-3(Fuca1-2)Galb1-4Glc-Sp0
405	Gala1-4Galb1-4GlcNAcb1-2Mana1-6(Gala1-4Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
113	Gala1-3GalNAcb-Sp8
283	Neu5Gca2-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
305	Galb1-4GlcNAca1-6Galb1-4GlcNAcb-Sp0
173	Galb1-4Glc-Sp8
401	Fuca1-2Galb1-4GlcNAcb1-3GalNAca-Sp14
317	Mana1-2Mana1-6(Mana1-2Mana1-3)Mana1-6(Mana1-2Mana1-2Mana1-3)Mana-Sp9
254	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
519	(6P)Galb1-4GlcNAcb-Sp0
377	Neu5Aca2-3Galb1-4GlcNAcb1-3GalNAc-Sp14
255	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
383	Galb1-3GlcNAcb1-3Galb1-4GlcNAcb1-6(Galb1-3GlcNAcb1-3)Galb1-4Glc-Sp0
307	GalNAcb1-3Galb-Sp8
540	GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
77	Fuca1-2Galb1-4GlcNAcb-Sp8
335	GalNAcb1-3Gala1-4Galb1-4GlcNAcb1-3Galb1-4Glc-Sp0
49	Neu5,9Ac2a2-6Galb1-4GlcNAcb-Sp8
11	Neu5Acb-Sp8
112	Gala1-3GalNAca-Sp16
553	Neu5Gca2-8Neu5Gca2-3Galb1-4GlcNAc-Sp0
235	Neu5Aca2-3Galb1-3GalNAcb1-4(Neu5Aca2-3)Galb1-4Glc-Sp0
184	GlcNAcb1-3Galb1-4GlcNAcb-Sp8
433	GlcNAcb1-2Mana1-6(GlcNAcb1-4)(GlcNAcb1-4(GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
117	Gala1-3Galb1-4Glc-Sp0
55	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
331	Neu5Aca2-6Galb1-4GlcNAcb1-3Galb1-3GlcNAcb-Sp0
421	Fuca1-2Galb1-4GlcNAcb1-2Mana1-6(Fuca1-2Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
362	Fuca1-2Galb1-4GlcNAcb1-2Mana1-6(Fuca1-2Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
533	Galb1-4GlcNAcb1-2 Mana1-6(Galb1-4GlcNAcb1-4)(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAc-Sp21
409	GalNAcb1-3Gala1-6Galb1-4Glc-Sp8
434	GlcNAcb1-6(GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAc-Sp21
407	Galb1-3GlcNAcb1-6Galb1-4GlcNAcb-Sp0
183	GlcNAcb1-3Galb1-4GlcNAcb-Sp0
423	Fuca1-2Galb1-3GlcNAcb1-3GalNAc-Sp14
53	GlcNAcb1-2Mana1-6(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp13
58	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp24
306	Galb1-4GlcNAcb1-6Galb1-4GlcNAcb-Sp0
411	Galb1-4GlcNAcb1-6(Neu5Aca2-6Galb1-3GlcNAcb1-3)Galb1-4Glc-Sp21
257	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb1-3Galb-Sp8
375	Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-6(Gala1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
256	Neu5Aca2-3Galb1-4(Fuca1-3)GlcNAcb-Sp8
174	GlcNAca1-3Galb1-4GlcNAcb-Sp8
78	Fuca1-2Galb1-4Glc-Sp0

523	Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana-Sp0
462	Neu5Aca2-3Galb1-4GlcNAcb1-6(Neu5Aca2-3Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
427	Fuca1-2Galb1-3GlcNAcb1-2Mana1-6(Fuca1-2Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
387	Galb1-3GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb1-6(Galb1-3GlcNAcb1-3)Galb1-4Glc-Sp21
128	Galb1-3GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
316	Mana1-2Mana1-6(Mana1-3)Mana1-6(Mana1-2Mana1-3)Mana-Sp9
127	Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-4(Fuca1-3)GlcNAcb-Sp0
460	Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-4)(Neu5Aca2-3Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
385	Galb1-4GlcNAcb1-6(Fuca1-4(Fuca1-2Galb1-3)GlcNAcb1-3)Galb1-4Glc-Sp21
52	GlcNAcb1-2Mana1-6(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12
384	Galb1-4(Fuca1-3)GlcNAcb1-6(Galb1-3GlcNAcb1-3)Galb1-4Glc-Sp21
536	GlcNAcb1-3Galb1-4GlcNAcb1-6(GlcNAcb1-3)Galb1-4GlcNAcb-Sp0
232	GalNAcb1-4(Neu5Aca2-3)Galb1-4GlcNAcb-Sp0
4	GalNAca-Sp8
422	GlcNAcb1-2(GlcNAcb1-6)Mana1-6(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp19
531	GlcNAcb1-2 Mana1-6(GlcNAcb1-4)(GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp21
428	Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-6(Gala1-3(Fuca1-2)Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp22
374	GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-6(GalNAca1-3(Fuca1-2)Galb1-3GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp20
136	Neu5Aca2-6(Galb1-3)GalNAca-Sp8
278	Galb1-3(Fuca1-4)GlcNAcb1-3Galb1-3(Fuca1-4)GlcNAcb-Sp0
304	GlcNAcb1-6(Galb1-4GlcNAcb1-3)Galb1-4GlcNAcb-Sp0
386	Galb1-4(Fuca1-3)GlcNAcb1-6(Fuca1-4(Fuca1-2Galb1-3)GlcNAcb1-3)Galb1-4Glc-Sp21
457	Neu5Aca2-6Galb1-4GlcNAcb1-6(Fuca1-2Galb1-3GlcNAcb1-3)Galb1-4Glc-Sp21
436	Galb1-4GlcNAcb1-2Mana1-6(GlcNAcb1-4)(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
62	Fuca1-2Galb1-3GalNAca-Sp8
339	GlcNAca1-4Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
61	Fuca1-2Galb1-3(Fuca1-4)GlcNAcb-Sp8
509	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-2)Mana1-6(GlcNAcb1-4)Galb1-4GlcNAcb1-4(Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp21
532	Galb1-4GlcNAcb1-2 Mana1-6(GlcNAcb1-4)(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp21
520	GalNAca1-3(Fuca1-2)Galb1-4GlcNAcb1-6GalNAcb-Sp14
75	Fuca1-2Galb1-4GlcNAcb1-3Galb1-4GlcNAcb1-3Galb1-4GlcNAcb-Sp0
281	Neu5Gca2-3Galb1-3(Fuca1-4)GlcNAcb-Sp0
51	Mana1-6(Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp13
508	GlcNAcb1-6(GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(GlcNAcb1-4)(GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4(Fuca1-6)GlcNAcb-Sp21
76	Fuca1-2Galb1-4GlcNAcb-Sp0
510	Galb1-3GlcNAca1-3Galb1-4GlcNAcb-Sp8
150	Galb1-3GlcNAcb-Sp0
410	Gala1-3(Fuca1-2)Galb1-4(Fuca1-3)Glc-Sp21
151	Galb1-3GlcNAcb-Sp8
210	Mana1-2Mana1-3Mana-Sp9
435	GlcNAcb1-6(GlcNAcb1-2)Mana1-6(GlcNAcb1-4)(GlcNAcb1-4)(GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
555	Neu5Gca2-8Neu5Aca2-3Galb1-4GlcNAcb-Sp0
522	Gala1-3Galb1-4GlcNAcb1-2Mana-Sp0
398	GlcNAcb1-2Mana1-6(Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp12

388	Galb1-4GlcNAcb1-6(Galb1-4GlcNAcb1-2)Mana1-6(Galb1-4GlcNAcb1-4(Galb1-4GlcNAcb1-2)Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp21
56	Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-6(Neu5Aca2-6Galb1-4GlcNAcb1-2Mana1-3)Manb1-4GlcNAcb1-4GlcNAcb-Sp13

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