Supplementary Material

**Printed Glycan Array**: a sensitive technique for the analysis of the repertoire of circulating anti-carbohydrate antibodies in small animals.

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**Table S1.** List of glycans, their binding to natural circulating antibodies (IgM+IgG) of BALB/c mice (n=20), expressed in relative fluorescence units (RFU) as median ± median absolute deviation (MAD), and the number of animals exceeding *cut off* (≥ 4000 RFU). This table has been reproduced from [28].

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Glycan ID (#)** | | **Structure** | | **Common Name** | **Median and MAD as RFU** | | **Animals showing RFU ≥ 4000** |
| 001 | | Fuc-sp3 | |  | 1590 | 342 | 1 |
| 002 | | Gal-sp3 | |  | 1522 | 316 | 0 |
| 003 | | Gal-sp3 | |  | 11858 | 1420 | 12 |
| 004 | | GalNAc1-OSer | | TnSer | 2145 | 395 | 2 |
| 005 | | GalNAc-sp3 | | Tn | 1642 | 192 | 2 |
| 006 | | GalNAc-sp3 | |  | 1001 | 250 | 0 |
| 007 | | Glc-sp3 | |  | 1242 | 222 | 0 |
| 009 | | Glc-sp3 | |  | 1576 | 325 | 0 |
| 010 | | GlcNAc-sp3 | |  | 4124 | 471 | 1 |
| 011 | | GlcNAc-sp2 | |  | 4634 | 607 | 2 |
| 012 | | GlcNAcβ-sp7 | |  | 2068 | 523 | 2 |
| 013 | | GlcNAcβ-sp8 | |  | 7267 | 1117 | 9 |
| 014 | | GlcN(Gc)-sp4 | |  | 914 | 203 | 0 |
| 015 | | HOCH2(HOCH)4CH2NH2 | | aminoglucitol | 1374 | 316 | 0 |
| 016 | | Man-sp3 | |  | 1164 | 263 | 0 |
| 017 | | Man-sp4 | |  | 1567 | 369 | 0 |
| 018 | | Man-sp4 | |  | 1842 | 319 | 2 |
| 019 | | ManNAc-sp4 | |  | 4752 | 390 | 4 |
| 020 | | Rha-sp3 | |  | 970 | 308 | 0 |
| 021 | | Gal-sp4 | |  | 1338 | 269 | 0 |
| 022 | | GlcNAc-sp4 | |  | 932 | 230 | 0 |
| 023 | | GalNAc-sp4 | |  | 1246 | 271 | 0 |
| 024 | | GlcNAc-sp3 | |  | 1463 | 260 | 2 |
| 025 | | GalNAcβ-sp10 | |  | 848 | 209 | 0 |
| 026 | | Rha-sp4 | |  | 1098 | 227 | 0 |
| 027 | | 3,6-Me2Glc | | DMG | 673 | 123 | 0 |
| 028 | | Xyl-sp4 | |  | 1411 | 302 | 0 |
| 029 | | Fuc-sp4 | |  | 1139 | 301 | 0 |
| 030 | | Glc-sp4 | |  | 1449 | 429 | 1 |
| 031 | | L-Ara-sp4 | |  | 1099 | 369 | 0 |
| 032 | | GalNGc-sp3 | |  | 483 | 119 | 0 |
| 037 | | 3-O-Su-Gal-sp3 | |  | 2317 | 503 | 3 |
| 038 | | 3-O-Su-GalNAc-sp3 | |  | 3657 | 689 | 7 |
| 041 | | 6-O-Su-GalNAc-sp3 | |  | 5504 | 1443 | 7 |
| 043 | | 6-O-Su-GlcNAc-sp3 | |  | 1040 | 253 | 1 |
| 044 | | GlcA-sp3 | | α-glucuronic acid | 1275 | 327 | 0 |
| 045 | | GlcA-sp3 | | β-glucuronic acid | 1671 | 335 | 1 |
| 046 | | 6-H2PO3Glc-sp4 | | β-Glc6P | 1369 | 316 | 0 |
| 047 | | 6-H2PO3Man-sp3 | | α-Man6P | 1300 | 322 | 0 |
| 048 | | Neu5Ac-sp3 | |  | 583 | 131 | 0 |
| 049 | | Neu5Acα-sp9 | |  | 1349 | 334 | 3 |
| 050 | | Neu5Acβ-sp3 | |  | 2184 | 526 | 3 |
| 051 | | Neu5Ac-sp9 | |  | 1698 | 609 | 3 |
| 052 | | Neu5Gc-sp3 | |  | 847 | 286 | 0 |
| 053 | | Neu5Gc-sp3 | |  | 1202 | 307 | 0 |
| 054 | | 9-NAc-Neu5Acα-sp3 | |  | 256 | 77 | 0 |
| 055 | | 3-O-Su-GlcNAc-sp3 | |  | 840 | 214 | 0 |
| 056 | | Gal-sp7 | |  | 1016 | 263 | 0 |
| 057 | | Rib -sp4 | |  | 1153 | 248 | 0 |
| 058 | | Fucβ-sp3 | |  | 2266 | 422 | 1 |
| 059 | | Crypted | | Crypted | 1360 | 389 | 0 |
| 060 | | 6-O-Su-Gal-sp3 | |  | 61113 | 1156 | 20 |
| 061 | | 3-OSu-GalNAc-sp3 | |  | 2692 | 622 | 3 |
| 071 | | Fuc1-2Gal-sp3 | | Hdi | 1077 | 245 | 1 |
| 072 | | Fuc1-3GlcNAc-sp3 | |  | 1424 | 300 | 2 |
| 073 | | Fuc1-4GlcNAc-sp3 | | Le | 755 | 217 | 0 |
| 074 | | Fuc1-3GlcNAc-sp3 | |  | 533 | 130 | 0 |
| 075 | | Gal1-2Gal-sp3 | |  | 790 | 184 | 0 |
| 076 | | Gal1-3Gal-sp3 | | Bdi | 775 | 192 | 0 |
| 077 | | Gal1-3GalNAc-sp3 | | Tαβ | 668 | 155 | 0 |
| 078 | | Gal1-3GalNAc-sp3 | | Tαα | 581 | 113 | 0 |
| 080 | | Galα1-3GlcNAcβ-sp3 | |  | 384 | 76 | 0 |
| 081 | | Galα1-4GlcNAcβ-sp3 | | α-LN | 815 | 183 | 1 |
| 082 | | Gal1-4GlcNAc-sp8 | | α-LN | 713 | 144 | 1 |
| 083 | | Gal1-6Glc-sp4 | | melibiose | 2285 | 348 | 2 |
| 084 | | Galβ1-2Galβ-sp3 | |  | 1332 | 301 | 1 |
| 086 | | Gal1-3GlcNAc-sp2 | | LeC | 609 | 130 | 0 |
| 087 | | Gal1-3Gal-sp3 | |  | 1488 | 282 | 1 |
| 088 | | Gal1-3GalNAc-sp3 | | Tββ | 1468 | 174 | 2 |
| 089 | | Gal1-3GalNAc-sp3 | | TF | 297 | 59 | 0 |
| 092 | | Gal1-4Glc-sp2 | | Lactose, Lac | 889 | 182 | 0 |
| 093 | | Gal1-4Glc-sp4 | | Lactose, Lac | 1089 | 290 | 0 |
| 094 | | Galβ1-4Galβ-sp4 | |  | 1124 | 278 | 0 |
| 096 | | Gal1-4GlcNAc-sp2 | | N-acetyllactosamine, LN | 2604 | 893 | 1 |
| 097 | | Gal1-4GlcNAc-sp3 | | N-acetyllactosamine, LN | 491 | 103 | 0 |
| 098 | | Gal1-4GlcNAcsp5 | | N-acetyllactosamine, LN | 341 | 65 | 0 |
| 099 | | Galβ1-4GlcNAcβ-sp8 | | N-acetyllactosamine, LN | 357 | 65 | 1 |
| 100 | | Galβ1-6Galβ-sp4 | |  | 18406 | 2396 | 15 |
| 101 | | GalNAc1-3GalNAc-sp3 | | Fs-2 | 1158 | 307 | 1 |
| 102 | | GalNAc1-3Gal-sp3 | | Adi | 1199 | 295 | 1 |
| 103 | | GalNAc1-3GalNAc-sp3 | | core 5 | 451 | 87 | 0 |
| 104 | | GalNAc-3Gal-sp3 | |  | 603 | 144 | 0 |
| 105 | | GalNAc-3GalNAc-sp3 | | para-Fs | 5975 | 1065 | 11 |
| 106 | | GalNAc1-4GlcNAc-sp3 | | LacdiNAc | 332 | 79 | 0 |
| 107 | | GalNAc1-4GlcNAc-sp2 | | LacdiNAc | 390 | 95 | 0 |
| 110 | | Glc1-4Glc-sp3 | | maltose | 10870 | 2172 | 10 |
| 111 | | Glcβ1-4Glcβ-sp4 | | cellobiose | 3363 | 407 | 3 |
| 112 | | Glcβ1-6Glcβ-sp4 | | gentiobiose | 6968 | 1229 | 5 |
| 113 | | GlcNAc1-3GalNAc-sp3 | | core 3 | 4852 | 620 | 3 |
| 114 | | GlcNAcβ1-3Man-sp4 | |  | 1474 | 423 | 2 |
| 115 | | GlcNAc1-4GlcNAc-Asn | | chitobiose-Asn | 12575 | 2669 | 14 |
| 116 | | GlcNAc1-4GlcNAc-sp3 | | chitobiose | 1040 | 186 | 1 |
| 117 | | GlcNAc1-4GlcNAc-sp4 | | chitobiose | 8585 | 1418 | 11 |
| 118 | | GlcNAc1-6GalNAc-sp3 | | core 6 | 7860 | 714 | 4 |
| 119 | | Manα1-2Man-sp4 | |  | 1200 | 259 | 0 |
| 120 | | Manα1-3Man-sp4 | |  | 1224 | 338 | 0 |
| 121 | | Manα1-4Man-sp4 | |  | 1064 | 328 | 0 |
| 122 | | Man1-6Man-sp4 | |  | 1484 | 380 | 0 |
| 123 | | Manβ1-4GlcNAc-sp4 | |  | 2103 | 428 | 2 |
| 125 | | 6-Bn-Gal1-4GlcNAc-sp2 | |  | 32674 | 5389 | 19 |
| 126 | | 6-Bn-Gal1-4(6-Bn)GlcNAc-sp3 | |  | 15410 | 3185 | 15 |
| 127 | | Gal1-4Glc-dipeptide | |  | 559 | 105 | 0 |
| 128 | | Gal1-4Glc-dipeptide | |  | 1181 | 263 | 0 |
| 129 | | Gal1-3(6-O-Bn)GlcNAc-sp3 | |  | 683 | 184 | 0 |
| 130 | | (6-O-Bn-Gal1)-3GlcNAc-sp3 | |  | 378 | 104 | 0 |
| 131 | | (6-O-Bn-Gal1)-3(6-O-Bn)GlcNAc-sp3 | |  | 1908 | 494 | 2 |
| 132 | | Galb1-3GalNAca-sp5 | | TF | 376 | 72 | 0 |
| 133 | | Gal1-4Glc-dipeptide | |  | 6816 | 465 | 4 |
| 134 | | Gal1-4Glc-dipeptide | |  | 1197 | 271 | 0 |
| 135 | | Gal1-4Glc-dipeptide | |  | 941 | 330 | 0 |
| 136 | | Gal1-4Glc-dipeptide | |  | 476 | 98 | 0 |
| 137 | | Gal1-4Glc-dipeptide | |  | 589 | 88 | 0 |
| 138 | | Gal1-4Glc-dipeptide | |  | 571 | 130 | 0 |
| 139 | | Galβ1-4Glcα-sp3 | |  | 395 | 65 | 0 |
| 140 | | Galα1-3GalNAc(fur)β-sp3 | |  | 608 | 117 | 0 |
| 142 | | GlcNAcα1-3GalNAcβ-sp3 | |  | 4523 | 1339 | 4 |
| 143 | | Fucα1-2(3-O-Su)Galβ-sp3 | |  | 468 | 138 | 0 |
| 144 | | Gal1-3(6-O-Su)GlcNAc-sp2 | |  | 297 | 73 | 0 |
| 145 | | Gal1-3(6-O-Su)GlcNAc-sp3 | |  | 388 | 76 | 0 |
| 146 | | Gal1-4(6-O-Su)Glc-sp2 | |  | 2044 | 469 | 2 |
| 149 | | GlсNAc1-4(6-O-Su)GlcNAc-sp2 | |  | 2569 | 475 | 5 |
| 150 | | 3-O-Su-Gal-3GalNAc-sp3 | |  | 37943 | 3232 | 20 |
| 151 | | 6-O-Su-Gal-3GalNAc-sp3 | |  | 1840 | 250 | 2 |
| 152 | | 3-O-Su-Gal1-4Glc-sp2 | | SM3 | 2564 | 413 | 2 |
| 153 | | 6-O-Su-Gal1-4Glc-sp2 | |  | 1796 | 504 | 2 |
| 154 | | 3-O-Su-Gal1-3GlcNAc-sp3 | |  | 32651 | 3954 | 20 |
| 156 | | 3-O-Su-Gal1-4GlcNAc-sp2 | |  | 2305 | 458 | 1 |
| 158 | | 4-O-Su-Gal1-4GlcNAc-sp2 | |  | 2927 | 860 | 2 |
| 159 | | 4-O-Su-Gal1-4GlcNAc-sp3 | |  | 1656 | 736 | 2 |
| 160 | | 6-O-Su-Gal1-3GlcNAc-sp2 | |  | 346 | 142 | 0 |
| 161 | | 6-O-Su-Gal1-3GlcNAc-sp3 | |  | 536 | 141 | 0 |
| 162 | | 6-O-Su-Gal1-4GlcNAc-sp2 | |  | 5615 | 1540 | 7 |
| 164 | | GlcA1-3GlcNAc-sp3 | |  | 979 | 218 | 1 |
| 165 | | GlcA1-3Gal-sp3 | |  | 1035 | 308 | 1 |
| 166 | | GlcAβ1-6Galβ-sp3 | |  | 39105 | 2993 | 17 |
| 167 | | GlcNAc-4-[HOOC(CH3)CH]-3-O-GlcNAc-sp4 | | GlcNAc-Mur | 1012 | 269 | 1 |
| 168 | | GlcNAc1-4Mur-L-Ala-D-i-Gln-Lys | | GMDP-Lys | 3668 | 152 | 1 |
| 169 | | Neu5Ac2-3Gal-sp3 | | GM4 | 2305 | 596 | 3 |
| 170 | | Neu5Ac2-6Gal-sp3 | |  | 4157 | 633 | 3 |
| 171 | | Neu5Acα2-3GalNAcα-sp3 | | 3-SiaTn | 844 | 168 | 1 |
| 172 | | Neu5Ac2-6GalNAc-sp3 | | SiaTn | 3250 | 124 | 1 |
| 173 | | Neu5Acβ2-6GalNAcα-sp3 | | b-SiaTn | 3221 | 855 | 5 |
| 174 | | Neu5Gc2-6GalNAc-sp3 | | Neu5Gc-Tn | 1596 | 178 | 1 |
| 175 | | Neu5Gc2-6GalNAc-sp3 | |  | 1453 | 451 | 2 |
| 176 | | 3-O-Su-Gal1-4(6-O-Su)Glc-sp2 | |  | 43008 | 9342 | 20 |
| 177 | | 3-O-Su-Gal1-4(6-O-Su)GlcNAc-sp3 | |  | 32496 | 7215 | 20 |
| 178 | | 6-O-Su-Gal1-4(6-O-Su)Glc-sp2 | |  | 3506 | 763 | 5 |
| 179 | | 6-O-Su-Gal1-3(6-O-Su)GlcNAc-sp2 | |  | 1770 | 580 | 0 |
| 180 | | 6-O-Su-Gal1-4(6-O-Su)GlcNAc-sp2 | |  | 2991 | 832 | 4 |
| 181 | | 3,4-O-Su2-Galβ1-4GlcNAcβ-sp3 | |  | 2993 | 820 | 5 |
| 182 | | 3,6-O-Su2-Gal1-4GlcNAc-sp2 | |  | 487 | 151 | 0 |
| 183 | | 4,6-O-Su2-Galβ1-4GlcNAcβ-sp2 | |  | 4401 | 944 | 4 |
| 184 | | 4,6-O-Su2-Galβ1-4GlcNAcβ-sp3 | |  | 1945 | 649 | 2 |
| 186 | | Neu5Ac2-8Neu5Ac2-sp3 | | (Sia)2 | 190 | 64 | 0 |
| 187 | | 3-O-Su-Gal1-4(6-O-Su)Glc-sp2 | |  | 290 | 91 | 0 |
| 188 | | Neu5Ac2-8Neu5Ac-sp9 | |  | 1162 | 382 | 2 |
| 189 | | 3,6-O-Su2-Gal1-4(6-O-Su)GlcNAc-sp2 | |  | 2054 | 543 | 3 |
| 190 | | Galβ1-4-(6-P)GlcNAcβ-sp2 | |  | 1217 | 347 | 1 |
| 191 | | 6-P-Galβ1-4GlcNAcβ-sp2 | |  | 926 | 194 | 1 |
| 192 | | GalNAc1-4(6-O-Su)GlcNAc-sp3 | |  | 483 | 106 | 0 |
| 193 | | 3-O-Su-GalNAc1-4GlcNAc-sp3 | |  | 3103 | 626 | 4 |
| 194 | | 6-O-Su-GalNAc1-4GlcNAc-sp3 | |  | 2884 | 455 | 4 |
| 195 | | 6-O-Su-GalNAcβ1-4-(3-O-Ac)GlcNAcβ-sp3 | |  | 589 | 122 | 0 |
| 196 | | 3-O-Su-GalNAc1-4(3-O-Su)-GlcNAc-sp3 | |  | 605 | 123 | 1 |
| 197 | | 3,6-O-Su2-GalNAc1-4-GlcNAc-sp3 | |  | 287 | 54 | 0 |
| 198 | | 4,6-O-Su2-GalNAcβ1-4GlcNAcβ-sp3 | |  | 2251 | 407 | 1 |
| 199 | | 4,6-O-Su2-GalNAcβ1-4-(3-O-Ac)GlcNAcβ-sp3 | |  | 690 | 178 | 0 |
| 200 | | 4-O-Su-GalNAc1-4GlcNAc-sp3 | |  | 466 | 134 | 0 |
| 201 | | 3,4-O-Su2-GalNAcβ1-4-GlcNAcβ-sp3 | |  | 3790 | 859 | 6 |
| 202 | | 6-O-Su-GalNAc1-4(6-O-Su)GlcNAc-sp3 | |  | 4471 | 933 | 8 |
| 203 | | Gal1-4(6-O-Su)GlcNAc-sp2 | |  | 5424 | 1203 | 8 |
| 204 | | 4-O-Su-GalNAc1-4GlcNAc-sp2 | |  | 753 | 120 | 1 |
| 205 | | Neu5Ac2-6GalNAc-sp3 | |  | 606 | 111 | 1 |
| 206 | | Neu5Gc2-3Gal-sp3 | |  | 1295 | 371 | 0 |
| 207 | | Neu5Ac2-6GalNAc-sp3 | |  | 2913 | 646 | 3 |
| 208 | | Gal1-3GlcNAc-sp4 | | LeC | 658 | 172 | 0 |
| 209 | | Crypted | | Crypted | 6503 | 1331 | 9 |
| 210 | | Crypted | | Crypted | 1743 | 558 | 1 |
| 211 | | Crypted | | Crypted | 8440 | 1533 | 13 |
| 212 | | Crypted | | Crypted | 2129 | 530 | 3 |
| 213 | | Neu5Ac2-6Gal-sp3 | |  | 2672 | 827 | 3 |
| 214 | | GlcA1-3Gal-sp3 | | deltaGlcA3Gal | 589 | 161 | 0 |
| 215 | | Fuc1-2Gal1-3GlcNAc-sp3 | | Led, H (type 1) | 2727 | 444 | 3 |
| 216 | | Fuc1-2Gal1-4GlcNAc-sp3 | | H (type 2) | 10845 | 2895 | 15 |
| 217 | | Fuc1-2Gal1-3GalNAc-sp3 | | H (type 3) | 3108 | 468 | 6 |
| 219 | | Fuc1-2Gal1-4Glc-sp4 | | H (type 6)-Gly | 8251 | 1687 | 10 |
| 220 | | Gal1-3Gal1-4Glc-sp2 | |  | 901 | 275 | 0 |
| 221 | | Gal1-3Gal1-4Glc-sp4 | |  | 1230 | 393 | 2 |
| 222 | | Gal1-3Gal1-4GlcNAc-sp3 | | Galili (tri) | 254 | 106 | 0 |
| 223 | | Gal1-4Gal1-4Glc-sp2 | | Pk, Gb3, GbOse3 | 756 | 247 | 0 |
| 225 | | Gal1-4Gal1-4GlcNAc-sp2 | | P1 | 573 | 165 | 0 |
| 226 | | Gal1-3(Fuc1-2)Gal-sp3 | | Btri | 1227 | 312 | 1 |
| 227 | | Galα1-3(Fucα1-2)Galβ-sp5 | | Btri-C8 | 1044 | 248 | 1 |
| 228 | | Gal1-2Gal1-3GlcNAc-sp3 | |  | 321 | 87 | 0 |
| 229 | | Gal1-3Gal1-4GlcNAc-sp4 | |  | 323 | 81 | 0 |
| 230 | | Gal1-4Gal1-4Glc-sp2 | | Mc3 | 248 | 84 | 0 |
| 232 | | Gal1-4GlcNAc-6GalNAcsp3 | |  | 624 | 81 | 1 |
| 233 | | Gal1-3(Fuc1-4)GlcNAc-sp3 | | LeA | 210 | 58 | 0 |
| 234 | | Gal1-4(Fuc1-3)GlcNAc-sp3 | | LeX | 13573 | 2635 | 16 |
| 235 | | GalNAc1-3(Fuc1-2)Gal-sp3 | | Atri | 586 | 306 | 1 |
| 236 | | GalNAcα1-3(Fucα1-2)Galβ-sp5 | | Atri | 498 | 262 | 1 |
| 237 | | GalNHα1-3  Galβ-OCH2CH2CH2NHAc  Fucα1-2 | |  | 357 | 135 | 0 |
| 239 | | GalNAcβ1-3(Fucα1-2)Galβ-sp3 | |  | 849 | 654 | 1 |
| 240 | | (Glcα1-4)3β-sp4 | | maltotriose | 11233 | 1567 | 6 |
| 241 | | (Glc1-6)3-sp4 | | isomaltotriose | 520 | 163 | 0 |
| 242 | | GlcNAcα1-3Galβ1-4GlcNAcβ-sp2 | |  | 278 | 90 | 0 |
| 243 | | GlcNAcα1-3Galβ1-4GlcNAcβ-sp3 | |  | 215 | 61 | 0 |
| 245 | | GlcNAc1-6Gal1-4GlcNAc-sp2 | |  | 3394 | 1053 | 3 |
| 246 | | GlcNAcβ1-2Galβ1-3GalNAcα-sp3 | |  | 434 | 94 | 0 |
| 247 | | GlcNAc1-3Gal1-3GalNAc-sp3 | |  | 321 | 63 | 0 |
| 248 | | GlcNAc1-3Gal1-4Glc-sp2 | |  | 822 | 179 | 0 |
| 249 | | GlcNAc1-3Gal1-4GlcNAc-sp2 | |  | 1652 | 322 | 2 |
| 250 | | GlcNAc1-3Gal1-4GlcNAc-sp3 | |  | 1942 | 488 | 2 |
| 251 | | GlcNAcβ1-4Galβ1-4GlcNAcβ-sp2 | |  | 1067 | 216 | 1 |
| 252 | | GlcNAcβ1-4GlcNAcβ1-4GlcNAcβ-sp4 | | chitotriose | 1111 | 206 | 2 |
| 253 | | GlcNAc1-6Gal1-4GlcNAc-sp2 | |  | 2877 | 653 | 3 |
| 254 | | GlcNAc1-6(Gal1-3)GalNAc-sp3 | | core 2 | 2499 | 525 | 4 |
| 255 | | GlcNAc1-6(GlcNAc1-3)GalNAc-sp3 | | core 4 | 5853 | 425 | 4 |
| 256 | | GlcNAcβ1-6(GlcNAcβ1-4)GalNAcα-sp3 | |  | 5020 | 613 | 8 |
| 258 | | Man1-6(Man1-3)Man-sp4 | | Man3 | 743 | 160 | 0 |
| 259 | | Galβ1-4(Galβ1-3)GlcNAcβ-sp3 | |  | 372 | 58 | 0 |
| 260 | | Fuc1-4  GlcNAc-sp3  Gal1-3 | |  | 663 | 140 | 0 |
| 261 | | Fuc1-3  GlcNAc-sp3  Gal1-4 | |  | 299 | 62 | 0 |
| 262 | | Galβ1-3GalNAcβ1-3Gal-sp4 | |  | 437 | 120 | 0 |
| 263 | | (GalNAcβ-PEG2)3-β-DD | |  | 657 | 114 | 0 |
| 264 | | Galβ1-4Galβ1-4GlcNAcβ-sp3 | |  | 461 | 87 | 0 |
| 266 | | Gal1-4Gal1-4GlcNAc-sp3 | | P1 | 1017 | 227 | 0 |
| 267 | | GlcNAc1-3Gal1-3GlcNAc-sp3 | |  | 718 | 138 | 0 |
| 268 | | GlсNAc1-4(Fuc1-6)GlcNAc-sp3 | |  | 1291 | 311 | 1 |
| 269 | | Gal1-3Gal1-4Glc-sp4 | |  | 518 | 137 | 0 |
| 270 | | Gal1-4Gal1-4Glc-sp4 | |  | 939 | 202 | 0 |
| 271 | | Gal1-6Gal1-4Glc-sp4 | |  | 53622 | 1934 | 20 |
| 272 | | Neu5Ac2-3Gal1-4Glc-sp4-Cit | | 3'-SL -citrullin | 236 | 60 | 0 |
| 273 | | Fuc1-2Gal1-4GlcNAcβ-sp3 | |  | 242 | 60 | 0 |
| 274 | | GalNAc1-3Gal1-4GlcNAc-sp3 | |  | 426 | 90 | 0 |
| 275 | | GalNAc1-3Gal1-4GlcNAc-sp3 | |  | 403 | 103 | 0 |
| 276 | | GlcNAc1-4Gal1-4GlcNAc-sp3 | |  | 1357 | 456 | 2 |
| 277 | | GalNGc1-3(Fuc1-2)Gal-sp3 | | N-Gc-Atri | 375 | 99 | 0 |
| 287 | | 3-O-Su-Gal1-3(Fucα1-4)GlcNAc-sp3 | | 3’-OSu-LeA | 20063 | 4962 | 19 |
| 288 | | 3-O-Su-Gal1-4(Fuc1-3)GlcNAc-sp3 | | 3’-OSu-LeX | 593 | 146 | 0 |
| 289 | | Neu5Ac2-6(Gal1-3)GalNAc-sp3 | |  | 296 | 88 | 0 |
| 290 | | Neu5Ac2-6(Gal1-3)GalNAc-sp3 | |  | 262 | 68 | 0 |
| 291 | | Neu5Acβ2-6(Galβ1-3)GalNAcα-sp3 | |  | 1887 | 727 | 3 |
| 292 | | Neu5Ac2-3Gal1-3GalNAc-sp3 | |  | 4477 | 1186 | 4 |
| 293 | | Neu5Ac2-3Gal1-4Glc-sp3 | | 3'SL | 1684 | 349 | 1 |
| 294 | | Neu5Ac2-3Gal1-4Glc-sp4 | | 3'SL | 363 | 99 | 0 |
| 295 | | Neu5Ac2-6Gal1-4Glc-sp2 | | 6'SL | 290 | 66 | 0 |
| 296 | | Neu5Ac2-6Gal1-4Glc-sp4 | | 6'SL | 360 | 96 | 0 |
| 297 | | Neu5Ac2-6Gal1-4Glc-sp2 | |  | 1645 | 409 | 3 |
| 298 | | Neu5Ac2-3Gal1-4GlcNAc-sp3 | | 3'SLN | 5486 | 1855 | 3 |
| 299 | | Neu5Ac2-3Gal1-3GlcNAc-sp3 | | 3'SiaLeC | 3968 | 1266 | 6 |
| 300 | | Neu5Ac2-6Gal1-4GlcNAc-sp3 | | 6'SLN | 936 | 527 | 1 |
| 302 | | Neu5Ac2-6Gal1-4GlcNAc-sp3 | |  | 1100 | 368 | 2 |
| 303 | | Neu5Gc2-3Gal1-4GlcNAc-sp3 | |  | 2147 | 451 | 1 |
| 304 | | Neu5Gc2-6Gal1-4GlcNAc-sp3 | |  | 792 | 191 | 0 |
| 305 | | Neu5Gcβ2-6Galβ1-4GlcNAcβ-sp3 | |  | 601 | 112 | 0 |
| 306 | | 9-NAc-Neu5Acα2-6Galβ1-4GlcNAcβ-sp3 | |  | 1431 | 437 | 1 |
| 307 | | KDNα2-3Galβ1-3GlcNAcβ-sp2 | |  | 1441 | 304 | 2 |
| 308 | | KDNα2-3Galβ1-4GlcNAcβ-sp2 | |  | 903 | 204 | 0 |
| 309 | | Neu5Acα2-6(Neu5Acα2-3)GalNAcα-sp3 | |  | 487 | 107 | 1 |
| 310 | | 3'SiaLacNAc-OCH2CH2CH2NH-(3'SiaLacNAc-amide-sp3) | |  | 1932 | 665 | 1 |
| 315 | | Neu5Ac2-3Gal1-4-(6-O-Su)GlcNAc-sp3 | |  | 1930 | 477 | 3 |
| 316 | | Neu5Ac2-3Gal1-3-(6-O-Su)GlcNAc-sp3 | |  | 2752 | 1014 | 5 |
| 318 | | Neu5Ac2-6Gal1-4-(6-O-Su)GlcNAc-sp3 | |  | 1004 | 234 | 1 |
| 319 | | Neu5Ac2-3-(6-O-Su)Gal1-4GlcNAc-sp3 | |  | 7963 | 705 | 7 |
| 320 | | 4-O-Su-Neu5Acα2-3-(6-O-Su)Galβ1-4GlcNAcβ-sp3 | |  | 9621 | 1580 | 10 |
| 321 | | (Neu5Ac2-8)3-sp3 | | (Sia)3 | 226 | 57 | 0 |
| 322 | | (Neu5Acα2-8)3β-sp3 | |  | 553 | 112 | 0 |
| 323 | | Neu5Ac2-6Gal1-3GlcNAc-sp3 | | 6'-SiaLec | 317 | 100 | 0 |
| 324 | | Neu5Ac2-6Gal1-3(6-O-Su)GlcNAc-sp3 | |  | 361 | 80 | 0 |
| 325 | | Neu5Ac2-3Gal1-4Glc-dipeptide | |  | 275 | 57 | 0 |
| 326 | | Neu5Ac2-3Gal1-4Glc-dipeptide | |  | 311 | 65 | 0 |
| 327 | | Neu5Ac2-3Gal1-4Glc-dipeptide | |  | 495 | 125 | 0 |
| 328 | | Neu5Ac2-3Gal1-4Glc-dipeptide | |  | 298 | 55 | 0 |
| 329 | | Neu5Ac2-3Gal1-4Glc-dipeptide | |  | 586 | 133 | 0 |
| 331 | | Neu5Gc2-3Gal1-3GlcNAc-sp3 | |  | 2552 | 467 | 5 |
| 332 | | Neu5Ac2-3Gal1-4Glc-dipeptide | |  | 381 | 91 | 0 |
| 333 | | Neu5Gcα2-3Galβ1-3-(6-O-Su)GlcNAcβ-sp3 | |  | 4811 | 1109 | 5 |
| 334 | | Neu5Gcα2-3Galβ1-4-(6-O-Su)GlcNAcβ-sp3 | |  | 1639 | 274 | 2 |
| 335 | | Neu5Acα2-3Galβ1-3-(6-O-Su)GlcNAcβ-sp3 | |  | 6401 | 1102 | 6 |
| 336 | | αKdo-(2→8)-αKdo-(2→4)-αKdo-sp11 | |  | 5921 | 1649 | 10 |
| 337 | | GalNAc1-4Gal1-4GlcNAc-sp3 | |  | 4219 | 657 | 7 |
| 338 | | Neu5Ac2-6Gal1-3GalNAc-sp3 | |  | 306 | 59 | 0 |
| 339 | | Neu5Ac2-6Gal1-3GalNAc-sp3 | |  | 1931 | 365 | 3 |
| 340 | | Gal1-3(Neu5Ac2-6)GalNAc-sp3 | |  | 2907 | 760 | 4 |
| 341 | | Neu5Ac2-3-(6-Su)Gal1-4GlcNAc-sp2 | |  | 5964 | 1255 | 9 |
| 359 | | Gal1-3(Fuc1-2)Gal1-3GlcNAc-sp3 | | B (type 1) | 400 | 112 | 0 |
| 360 | | Gal1-3(Fuc1-2)Gal1-4GlcNAc-sp3 | | B (type 2) | 5071 | 644 | 6 |
| 362 | | Gal1-3(Fuc1-2)Gal1-3GalNAc-sp3 | | B (type 3) | 8283 | 2150 | 14 |
| 363 | | Gal1-3(Fuc1-2)Gal1-3GalNAc-sp3 | | B (type 4) | 2728 | 589 | 6 |
| 364 | | Gal1-3Gal1-4(Fuc1-3)GlcNAc-sp3 | | αGalLeX | 541 | 116 | 0 |
| 365 | | Galα1-4(Fucα1-2)Galβ1-4GlcNAcβ-sp3 | |  | 962 | 361 | 1 |
| 366 | | GalNAc1-3(Fuc1-2)Gal1-3GlcNAc-sp3 | | A (type 1) | 351 | 71 | 0 |
| 368 | | GalNAc1-3(Fuc1-2)Gal1-4GlcNAc-sp3 | | A (type 2) | 2621 | 625 | 2 |
| 369 | | GalNAcα1-4(Fucα1-2)Galβ1-4GlcNAcβ-sp3 | |  | 3246 | 374 | 3 |
| 370 | | Crypted | | Crypted | 2629 | 835 | 3 |
| 371 | | Fuc1-2Gal1-3(Fuc1-4)GlcNAc-sp3 | | LeB | 307 | 107 | 0 |
| 372 | | Fuc1-2Gal1-4(Fuc1-3)GlcNAc-sp3 | | LeY | 3936 | 1040 | 8 |
| 373 | | Gal1-3Gal1-4GlcNAc1-3Gal-sp3 | | Galili (tetra) | 777 | 128 | 0 |
| 374 | | Galα1-3(Galα1-4)Galβ1-4GlcNAcβ-sp3 | | Galα2-3',4'LN | 280 | 72 | 0 |
| 375 | | Galα1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-sp3 | |  | 1032 | 190 | 1 |
| 377 | | Gal1-3GlcNAc1-3Gal1-3GlcNAc-sp2 | |  | 827 | 166 | 1 |
| 378 | | Galβ1-3GlcNAcα1-3Galβ1-4GlcNAcβ-sp3 | |  | 10106 | 2009 | 9 |
| 379 | | Gal1-3GlcNAc1-3Gal1-4GlcNAc-sp3 | |  | 1304 | 387 | 1 |
| 380 | | Galβ1-3GlcNAca1-6Galb1-4GlcNAcb-sp2 | |  | 2306 | 344 | 1 |
| 381 | | Gal1-3GlcNAc1-6Gal1-4GlcNAc-sp2 | |  | 2581 | 827 | 3 |
| 382 | | Gal1-3GalNAc1-4Gal1-4Glc-sp3 | | GA1, asialo-GM1 | 642 | 125 | 0 |
| 383 | | Gal1-4GlcNAc1-3Gal1-4Glc-sp4 | | LNnT | 280 | 74 | 0 |
| 384 | | Gal1-4GlcNAc1-3Gal1-4GlcNAc-sp2 | | i | 290 | 76 | 0 |
| 386 | | Galβ1-4GlcNAcα1-6Galβ1-4GlcNAcβ-sp2 | |  | 3822 | 638 | 2 |
| 387 | | Gal1-4GlcNAc1-6Gal1-4GlcNAc-sp2 | |  | 2719 | 521 | 2 |
| 388 | | Gal1-4GlcNAc1-6(Gal1-3)GalNAc-sp3 | |  | 229 | 77 | 0 |
| 389 | | GalNAc1-3Gal1-4Gal1-4Glc-sp3 | | Gb4, P | 399 | 90 | 0 |
| 390 | | (Glc1-4)4-sp4 | | maltotetraose | 13504 | 2947 | 10 |
| 394 | | GlcNAc1-4  Gal1-4GlcNAc-sp2  GlcNAc1-3 | |  | 2286 | 487 | 3 |
| 395 | | GlcNAc1-6(GlcNAc1-3)Gal1-4GlcNAc-sp2 | | Tk | 1249 | 316 | 0 |
| 396 | | (GlcNAcβ1)3-3,4,6-GalNAcα-sp3 | |  | 4966 | 727 | 4 |
| 397 | | (GlcNAc1)3-3,4,6-GalNAc-sp3 | |  | 7793 | 1480 | 9 |
| 398 | | Gal1-3GlcN(Fm)1-3Gal1-4GlcNAc-sp3 | |  | 557 | 106 | 0 |
| 399 | | Galβ1-3GlcNAcα1-3Galβ1-3GlcNAcβ-sp2 | |  | 6788 | 1178 | 10 |
| 401 | | Gal1-3GlcNAc1-3Gal1-3GlcNAc-sp3 | |  | 717 | 181 | 0 |
| 402 | | GalNAc1-3  Gal1-4GlcNAc-sp3  Fuc1-2 | |  | 175 | 45 | 0 |
| 403 | | Gal1-3GlcNAc1-3Gal1-4GlcNAc-sp2 | |  | 2047 | 376 | 4 |
| 404 | | GalNAc1-3Gal1-4(Fuc1-3)GlcNAc-sp3 | | GalNAcLeX | 3611 | 1529 | 5 |
| 405 | | Gal1-3(Fuc1-2)Gal1-4GlcNAc-sp3 | |  | 2929 | 227 | 1 |
| 406 | | GalNAc1-3(Fuc1-2)Gal1-3GalNAc-sp3 | |  | 304 | 60 | 0 |
| 419 | | 3-O-SuGal1-4GlcNAc1-3Gal1-4GlcNAc-sp3 | |  | 2425 | 448 | 3 |
| 420 | | 4-O-SuGal1-4GlcNAc1-3Gal1-4GlcNAc-sp3 | |  | 894 | 183 | 1 |
| 423 | | Neu5Ac2-3Gal1-4(Fuc1-3)GlcNAc-sp3 | | SiaLeX | 1673 | 483 | 1 |
| 425 | | Neu5Ac2-3Gal1-4  GlcNAc-sp3  Fuc1-3 | |  | 2164 | 673 | 2 |
| 426 | | Neu5Ac2-3Gal1-3(Fuc1-4)GlcNAc-sp3 | | SiaLeA | 216 | 60 | 0 |
| 428 | | Neu5Ac2-3Gal1-4(Fuc1-3)(6-O-Su-)GlcNAc-sp3 | | 6-OSu-SLex | 429 | 149 | 0 |
| 429 | | Neu5Ac2-3(6-O-Su)Gal1-4(Fuc1-3)GlcNAc-sp3 | | 6’-OSu-SiaLex | 762 | 222 | 2 |
| 431 | | Neu5Acα2-3Galβ1-4(2-O-Su-Fucα1-3)GlcNAcβ-sp3 | |  | 918 | 242 | 2 |
| 432 | | Neu5Ac2-3Gal1-4  GlcNAc-sp3  3-O-Su-Fuc1-3 | |  | 546 | 207 | 0 |
| 433 | | Neu5Ac2-6(Neu5Ac2-3Gal1-3)GalNAc-sp3 | |  | 203 | 66 | 0 |
| 434 | | Neu5Ac2-8Neu5Ac2-3Gall-4Glc-sp4 | | GD3 | 287 | 84 | 0 |
| 435 | | Neu5Acα2-3Galβ1-4(2-O-Su-Fucα1-3)(6-O-Su-)GlcNAcβ-sp3 | |  | 425 | 133 | 0 |
| 436 | | 4-O-Su-Neu5Acα2-3Galβ1-4(Fucα1-3)(6-O-Su-)GlcNAcβ-sp3 | |  | 963 | 415 | 2 |
| 437 | | GalNAc1-3(Fuc1-2)Gal1-3GalNAc-sp3 | | A(type 4) | 33886 | 3193 | 18 |
| 438 | | Fuc1-2Gal1-4(Fuc1-3)GlcNAc-sp3 | |  | 460 | 131 | 0 |
| 439 | | αKdo-(2→4)-αKdo-(2→4)-αKdo-(2→6)-βGlcNAc-sp11 | |  | 5179 | 1212 | 9 |
| 440 | | Neu5Ac2-6(Fuc1-2)Gal1-4GlcNAc-sp3 | |  | 2150 | 416 | 3 |
| 441 | | Neu5Ac2-6(Fuc1-2)Gal1-4GlcNAc-sp3 | |  | 719 | 160 | 1 |
| 442 | | Neu5Ac2-3 (GalNAc1-4)Gal1-4Glc-sp4 | | GM2 | 499 | 111 | 0 |
| 479 | | Fuc1-2Gal1-3GlcNAc1-3Gal1-4Glc-sp4 | | LNFP I | 512 | 286 | 0 |
| 480 | | Fuc1-2Gal1-3GlcNAc1-3Gal1-4GlcNAc-sp2 | | H(type 1) penta | 3826 | 911 | 8 |
| 481 | | Gal1-3Gal1-4GlcNAc1-3Gal1-4Glc-sp4 | | Galili (penta) | 241 | 60 | 0 |
| 482 | | Gal1-3(Fuc1-2)Gal1-3(Fuc1-4)GlcNAc-sp3 | | BLeB | 1726 | 229 | 3 |
| 483 | | Gal1-3(Fuc1-2)Gal1-4(Fuc1-3)GlcNAc-sp3 | | BLeY | 2689 | 293 | 3 |
| 484 | | GalNAc1-3(Fuc1-2)Gal1-3(Fuc1-4)GlcNAc-sp3 | | ALeB | 175 | 49 | 0 |
| 485 | | Galβ1-4GalNAcα1-3(Fucα1-2)Galβ1-4GlcNAcβ-sp3 | |  | 2643 | 642 | 4 |
| 488 | | Gal1-4GlcNAc1-6(Gal1-4GlcNAc1-3)GalNAc-sp3 | |  | 284 | 69 | 0 |
| 489 | | Gal1-4GlcNAc1-3(GlcNAc1-6)Gal1-4GlcNAc-sp2 | |  | 541 | 172 | 0 |
| 490 | | Gal1-4GlcNAc1-6(GlcNAc1-3)Gal1-4GlcNAc-sp2 | |  | 527 | 119 | 0 |
| 491 | | GalNAc1-3(Fuc1-2)Gal1-4(Fuc1-3)GlcNAc-sp3 | | ALeY | 213 | 65 | 0 |
| 492 | | (Glc1-6)5-sp4 | | isomaltopentaose | 1151 | 263 | 2 |
| 493 | | (GlcNAcβ1-4)5β-sp4 | | chitopentaose | 1798 | 509 | 1 |
| 495 | | Man1-6(Man1-3)Man1-6(Man1-3)Man-sp4 | | Man5 | 892 | 319 | 1 |
| 496 | | Fuc1-2Gal1-3(Fucα1-4)GlcNAc1-3Gal1-4Glc-sp4 | | Leb(hexa) | 223 | 72 | 0 |
| 497 | | Fuc1-2Gal1-4(Fuc1-3)GlcNAc1-3Gal1-4Glc-sp4 | | LeY(hexa) | 2057 | 212 | 4 |
| 498 | | Gal1-4GlcNAc1-3Gal1-4GlcNAc1-3Gal1-4GlcNAc-sp3 | | (LN)3 | 201 | 62 | 0 |
| 499 | | Gal1-4GlcNAc1-6(Gal1-4GlcNAc1-3)Gal1-4GlcNAc-sp2 | | I | 200 | 45 | 0 |
| 501 | | Gal1-3GalNAc1-3Gal1-4Gal1-4Glc-sp4 | | Gb5 | 1360 | 254 | 1 |
| 502 | | (Glc1-6)6-sp4 | | maltohexaose | 3033 | 653 | 5 |
| 503 | | (GlcNAcβ1-4)6-sp4 | | chitohexaose | 2396 | 314 | 1 |
| 504 | | (A-GN-M)2-3,6-M-GN-GN-sp4 | | 9-OS | 200 | 57 | 0 |
| 505 | | (GN-M)2-3,6-M-GN-GN-sp4 | | 7-OS | 728 | 195 | 0 |
| 506 | | Araf6 | | Ara6 | 158 | 37 | 0 |
| 507 | | GalAc1-3GalNAc1-3Gal1-4Gal1-4Glc-sp3 | | Fs-5 | 2021 | 988 | 3 |
| 508 | | GalNAc1-3(Fuc1-2)Gal1-4(Fuc1-3)GlcNAc-sp3 | |  | 402 | 93 | 0 |
| 509 | | Gal1-3GalNAc1-4(Neu5Ac2-3)Gal1-4Glc-sp4 | | GM1 | 1553 | 448 | 3 |
| 527 | | Neu5Ac2-3Gal1-4GlcNAc1-3Gal1-4GlcNAc-sp2 | |  | 179 | 48 | 0 |
| 528 | | Neu5Ac2-3Gal1-4(Fuc1-3)GlcNAc1-3Gal-sp3 | | SiaLex-3Gal | 203 | 49 | 0 |
| 529 | | Neu5Ac2-6(Gal1-3)GlcNAc1-3Gal1-4Glc-sp4 | | LSTb | 297 | 70 | 0 |
| 530 | | (Neu5Acα2-3Galβ1)2-3,4-GlcNAcβ-sp3 | |  | 1529 | 352 | 1 |
| 531 | | Neu5Ac2-8Neu5Ac2-3(GalNAc1-4)Gal1-4Glc-sp2 | | GD2 | 434 | 116 | 0 |
| 534 | | Neu5Ac2-3Gal1-4GlcNAc1-3Gal1-4GlcNAc-sp3 | |  | 193 | 58 | 0 |
| 535 | | Neu5Ac2-8Neu5Ac2-3(GalNAc1-4)Gal1-4Glc-sp4 | | GD2 | 234 | 61 | 0 |
| 536 | | Neu5A2-3Gal1-3GlcNAc1-3Gal1-4Glc-sp4 | | LSTa | 342 | 92 | 0 |
| 537 | | Neu5A2-3Gal1-4GlcNAc1-3Gal1-4Glc-sp4 | | LSTd | 202 | 61 | 0 |
| 538 | | Gal1-4(Fuc1-3)GlcNAc1-6(Gal1-3GlcNAc1-3)Gal1-4Glc-sp4 | | MFLNH III | 2473 | 712 | 3 |
| 539 | | Gal1-4GlcNAc1-6(Fuc1-2Gal1-3GlcNAc1-3)Gal1-4Glc-sp4 | | MFLNH I | 780 | 239 | 0 |
| 540 | | Gal1-4(Fuc1-3)GlcNAc1-6(Neu5Ac2-6Gal1-4GlcNAc1-3)Gal1-4Glc-sp4 | | MSMFLNnH | 2262 | 337 | 3 |
| 541 | | Gal1-4(Fuc1-3)GlcNAc1-6(Fuc1-2Gal1-3GlcNAc1-3)Gal1-4Glc-sp4 | | DFLNH (a) | 6347 | 878 | 7 |
| 542 | | Gal1-3GlcNAc1-3Gal1-4(Fuc1-3)GlcNAc1-6(Gal1-3GlcNAc1-3)Gal1-4Glc-sp4 | | MF(1-3)iLNO | 2867 | 344 | 6 |
| 543 | | Fuc1-2Gal1-3(Fuc1-4)GlcNAc1-3[Gal1-4(Fuc1-3)GlcNAc1-6]Gal1-4Glc-sp4 | | TFLNH | 3573 | 657 | 6 |
| 545 | | αKdo-(2→8)-αKdo-(2→4)-αKdo-(2→6)-βGlcNAc-(1→6)αGlcNAc-sp11 | |  | 3329 | 757 | 6 |
| 625 | | (GlcA1-4GlcNAc1-3)11-12-NH2-ol | | hyaluronic acid | 776 | 257 | 1 |
| 627 | | (Sia2-6A-GN-M)2-3,6-M-GN-GN-sp4 | | 11-OS, YDS | 184 | 54 | 0 |
| 629 | | Trehalose-ethanolamine | | **negative control** | 323 | 71 | 0 |
| 630 | | (GlcA1-3GlcNAc1-4)20-NH(*p*-C6H4)CH2CH2NH2 | | hyaluronic acid , 8kDa | 921 | 236 | 1 |
| 631 | | (GlcA1-3GlcNAc1-4)38-NH(*p*-C6H4)CH2CH2NH2 | | hyaluronic acid, 15-30kDa | 456 | 174 | 1 |
| 632 | | (GlcA1-3GlcNAc1-4)13-NH(*p*-C6H4)CH2CH2NH2 | | hyaluronic acid, 4-8kDa | 481 | 109 | 0 |
| 800 | | GlcNAcα1-4GlcNAcβ-sp3 | |  | 1697 | 257 | 1 |
| 801 | | GalNAcα1-3GalNAc(fur)β-sp3 | |  | 3988 | 289 | 2 |
| 802 | | Gal1-3GalNAc(fur)-sp3 | |  | 51348 | 2324 | 20 |
| 804 | | [Gal1-4GlcNAc-OCH2CH2]2NH | | LN dimer | 908 | 252 | 1 |
| 805 | | GalNAc1-4(6-O-Bn)GlcNAc-sp3 | |  | 6754 | 1034 | 11 |
| 806 | | Gal1-6Glc-sp3 | | α-melibiose | 5469 | 949 | 4 |
| 807 | | GlcNAc1-4GlcNAc-sp4 | |  | 10158 | 984 | 8 |
| 808 | | Gal1-6Glc-sp3 | | melibiose | 9724 | 1131 | 7 |
| 809 | | GalNAc1-3GalNAc-sp3 | |  | 8521 | 1509 | 13 |
| 810 | | GalNGc1-3GalNAc-sp3 | | core 5(Gc) | 328 | 76 | 0 |
| 850 | | Gal1-3(6-O-Su)GalNAc-sp3 | | 6-SuTF | 341 | 102 | 0 |
| 851 | | Gal1-3(6-O-Su)GalNAc-sp3 | | 6-SuT | 267 | 86 | 0 |
| 852 | | GlcNAcβ1-4-[HOOC(CH3)CH]-3-O-GlcNAcα-sp4 | | GlcNAc-Mur | 1056 | 322 | 1 |
| 900 | | H-(Gly)6-NH2 Gly6-amide, linear | | Gly6-amide, linear | 25036 | 2262 | 16 |
| 901 | | biot-CMG2-NH2 | | **biot-CMG2** | 52213 | 3728 | 20 |
| 902 | | Peptide, crypted | |  | 5630 | 1228 | 6 |
| 903 | | Peptide, crypted | |  | 2617 | 897 | 4 |
| 904 | | Peptide, crypted | |  | 6111 | 1154 | 12 |
| 905 | | Suc-LPWYRAPK-NH2 | | RhD | 16175 | 3630 | 20 |
| 906 | | Peptide, crypted | |  | 475 | 163 | 0 |
| 907 | | Peptide, crypted | |  | 457 | 93 | 0 |
| 908 | | Peptide, crypted | |  | 6687 | 2162 | 13 |
| 909 | | Peptide, crypted | |  | 812 | 166 | 1 |
| 910 | | Npentyl-Indol-linked-3-NH2 (AcOH salt) | |  | 686 | 168 | 0 |
| 911 | | N-C5-indazole-3-CONH-PEG-NH2 (AcOH salt) | |  | 6037 | 1212 | 11 |
| sp2 = -O(CH2)2NH2 | |
| sp3 = -O(CH2)3NH2 | |
| sp4 = -NHCOCH2NH2 | |
| sp5 = -O(CH2)3NH-CO(CH2)5NH2 | |
| sp8 = -(OCH2CH2)6NH2 | |