Table S2: Oligosaccharide structures corresponding to Fig. 2.

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| --- | --- | --- | --- |
| **Group** | **Bar** | **v4.1 Chip Number** | **Glycan Structure** |
| Lea | 1 | 80 | Fucα1-4GlcNAcβ-Sp8 |
|  | 2 | 125 | Galβ1-3(Fucα1-4)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 3 | 128 | Galβ1-3(Fucα1-4)GlcNAcβ-Sp8 |
|  | 4 | 127 | Galβ1-3(Fucα1-4)GlcNAcβ-Sp0 |
|  | 5 | 27 | [3OSO3]Galβ1-3(Fucα1-4)GlcNAcβ-Sp8 |
|  | 6 | 129 | Galβ1-3(Fucα1-4)GlcNAc-Sp8 |
|  | 7 | 275 | Galβ1-3(Fucα1-4)GlcNAcβ1-3Galβ1-3(Fucα1-4)GlcNAcβ-Sp0 |
|  | 8 | 237 | Neu5Acα2-3Galβ1-3(Fucα1-4)GlcNAcβ-Sp8 |
|  | 9 | 238 | Neu5Acα2-3Galβ1-3(Fucα1-4)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 10 | 329 | Neu5Acα2-3Galβ1-3(Fucα1-4)GlcNAcβ1-3Galβ1-3(Fucα1-4)GlcNAcβ-Sp0 |
|  | 11 | 126 | Galβ1-3(Fucα1-4)GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0 |
| Leb + LeX | 12 | 384 | Fucα1-2Galβ1-3(Fucα1-4)GlcNAcβ1-3(Galβ1-4(Fucα1-3)GlcNAcβ1-6)Galβ1-4Glc-Sp21 |
| Leb | 13 | 60 | Fucα1-2Galβ1-3(Fucα1-4)GlcNAcβ-Sp8 |
| LeX | 14 | 79 | Fucα1-3GlcNAcβ-Sp8 |
|  | 15 | 152 | Galβ1-4(Fucα1-3)GlcNAcβ1-4Galβ1-4(Fucα1-3)GlcNAcβ1-4Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 16 | 150 | Galβ1-4(Fucα1-3)GlcNAcβ-Sp8 |
|  | 17 | 251 | Neu5Acα2-3Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 18 | 290 | Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-3(Fucα1-4)GlcNAcβ-Sp0 |
|  | 19 | 151 | Galβ1-4(Fucα1-3)GlcNAcβ1-4Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 20 | 250 | Neu5Acα2-3Galβ1-4(Fucα1-3)[6OSO3]GlcNAcβ-Sp8 |
|  | 21 | 325 | Fucα1-3(Galβ1-4)GlcNAcβ1-2Manα1-3(Fucα1-3(Galβ1-4)GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp20 |
|  | 22 | 288 | Galβ1-4(Fucα1-3)[6OSO3]GlcNAc-Sp0 |
|  | 23 | 254 | Neu5Acα2-3Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ-Sp8 |
|  | 24 | 31 | [3OSO3]Galβ1-4(Fucα1-3)GlcNAc-Sp0 |
|  | 25 | 228 | Neu5Acα2-3(6-O-Su)Galβ1-4(Fucα1-3)GlcNAcβ-Sp8 |
|  | 26 | 32 | [3OSO3]Galβ1-4(Fucα1-3)GlcNAcβ-Sp8 |
|  | 27 | 255 | Neu5Acα2-3Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp8 |
|  | 28 | 217 | [3OSO3]Galβ1-4(Fucα1-3)[6OSO3]GlcNAc-Sp8 |
|  | 29 | 149 | Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 30 | 340 | GlcNAcα1-4Galβ1-4GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 31 | 253 | Neu5Acα2-3Galβ1-4(Fucα1-3)GlcNAcβ-Sp8 |
|  | 32 | 382 | Galβ1-3GlcNAcβ1-3(Galβ1-4(Fucα1-3)GlcNAcβ1-6)Galβ1-4Glc-Sp21 |
|  | 33 | 84 | [3OSO3]Galβ1-4(Fucα1-3)Glc-Sp0 |
| LeY | 34 | 72 | Fucα1-2Galβ1-4(Fucα1-3)GlcNAcβ-Sp8 |
|  | 35 | 70 | Fucα1-2Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 36 | 71 | Fucα1-2Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
|  | 37 | 69 | Fucα1-2Galβ1-4(Fucα1-3)GlcNAcβ1-3Galβ1-4(Fucα1-3)GlcNAcβ-Sp0 |
| BG H | 38 | 78 | Fucα1-2Galβ-Sp8 |
| BG HI + LeX | 39 | 367 | Fucα1-2Galβ1-3GlcNAcβ1-3(Galβ1-4(Fucα1-3)GlcNAcβ1-6)Galβ1-4Glc-Sp21 |
| BG HI | 40 | 66 | Fucα1-2Galβ1-3GlcNAcβ1-3Galβ1-4Glcβ-Sp10 |
|  | 41 | 65 | Fucα1-2Galβ1-3GlcNAcβ1-3Galβ1-4Glcβ-Sp8 |
|  | 42 | 68 | Fucα1-2Galβ1-3GlcNAcβ-Sp8 |
| BG HII | 43 | 219 | Fucα1-2Galβ1-4[6OSO3]GlcNAc-Sp8 |
|  | 44 | 76 | Fucα1-2Galβ1-4GlcNAcβ-Sp8 |
|  | 45 | 75 | Fucα1-2Galβ1-4GlcNAcβ-Sp0 |
|  | 46 | 74 | Fucα1-2Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0 |
|  | 47 | 73 | Fucα1-2Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-Sp0 |
|  | 48 | 451 | Fucα1-2Galβ1-4GlcNAcβ1-3(Fucα1-2Galβ1-4GlcNAcβ1-6)GalNAc-Sp14 |
|  | 49 | 360 | Fucα1-2Galβ1-4GlcNAcβ1-2Manα1-3(Fucα1-2Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp20 |
|  | 50 | 218 | Fucα1-2[6OSO3]Galβ1-4GlcNAc-Sp0 |
|  | 51 | 419 | Fucα1-2Galβ1-4GlcNAcβ1-2Manα1-3(Fucα1-2Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4(Fucα1-6)GlcNAcβ-Sp22 |
|  | 52 | 445 | Fucα1-2Galβ1-4GlcNAcβ1-2(Fucα1-2Galβ1-4GlcNAcβ1-4)Manα1-3(Fucα1-2Galβ1-4 GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4GlcNAcβ-Sp12 |
| BG HV | 53 | 246 | Fucα1-2[6OSO3]Galβ1-4Glc-Sp0 |
|  | 54 | 260 | Fucα1-2Galβ1-4[6OSO3]Glc-Sp0 |
|  | 55 | 220 | Fucα1-2[6OSO3]Galβ1-4[6OSO3]Glc-Sp0 |
|  | 56 | 77 | Fucα1-2Galβ1-4Glcβ-Sp0 |
| BG A | 57 | 89 | GalNAcα1-3(Fucα1-2)Galβ-Sp8 |
|  | 58 | 90 | GalNAcα1-3(Fucα1-2)Galβ-Sp18 |
| BG B | 59 | 108 | Galα1-3(Fucα1-2)Galβ-Sp18 |
|  | 60 | 107 | Galα1-3(Fucα1-2)Galβ-Sp8 |
| Fuc | 61 | 7 | Fucα-Sp9 |
|  | 62 | 6 | Fucα-Sp8 |
| Fuc16 | 63 | 350 | GlcNAcβ1-2Manα1-3(GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4(Fucα1-6)GlcNAcβ-Sp22 |
|  | 64 | 351 | Galβ1-4GlcNAcβ1-2Manα1-3(Galβ1-4GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4(Fucα1-6)GlcNAcβ-Sp22 |
|  | 65 | 352 | Galβ1-3GlcNAcβ1-2Manα1-3(Galβ1-3GlcNAcβ1-2Manα1-6)Manβ1-4GlcNAcβ1-4(Fucα1-6)GlcNAcβ-Sp22 |

Structures are grouped according to terminal epitope. If more than one type of epitope is present, note is made in Group column. Bar stands for rank in the chart. Spacer abbreviations in chart taken from Consortium for Functional Glycomics:Sp0 – -CH2CH2NH2, Sp8 – -CH2CH2CH2NH2, Sp9 – -CH2CH2CH2CH2CH2NH2, Sp10 – -NHCOCH2NH, Sp14 – Threonine, Sp18 – -O(CH2)3NHCO(CH2)5NH2, Sp20 – GENR, Sp21 – -N(CH3)-O-(CH2)2-NH2, Sp22 –NST