**Table S1\_** Formula for the calculation of the glycan profile of each IgG subtype.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Agalactosylation** | **Monogalactosylation** | **Digalactosylation** | **Sialylation** | **Bisecting GlcNAc** | **Fucosylation** |
| IgG1 |  G0 + G0F + G0FN |  G1 + G1F + G1N + G1FN |  G2 + G2F + G2FN | G1FS + G1FNS + G2S + G2FS + G2FNS | G0FN + G1N + G1FN + G1FNS + G2FN + G2FNS | G0F + G0FN + G1F + G1FN + G1FS + G1FNS + G2F + G2FN + G2FS + G2FNS |
| IgG23 | G0F + G0FN |  G1 + G1F + G1FN |  G2F + G2FN | G1FS + G1FNS + G2S + G2FS + G2FNS | G0FN + G1FN + G1FNS + G2N + G2FN + G2FNS | G0F + G0FN + G1F + G1FN + G1FS + G1FNS + G2F + G2FN + G2FS + G2FNS |
| IgG4 |  G0F + G0FN | G1F + G1FN |  G2 + G2F + G2N | G1FS + G2S + G2FS | G0FN + G1FN + G2N | G0F + G0FN + G1F + G1FN + G1FS + G2F + G2FS |

**G** – Galactose; **F** – Fucose; **N** – Bisecting; **S** – Sialic acid