|  |  |  |  |
| --- | --- | --- | --- |
| HMO group | | Fold change (95% CI) | P value |
| Fucosylated | | 18 (5.6-60) | <0.0001 |
| Sialylated | | 0.15 (0.068-0.35) | <0.0001 |
| Fucosylated and sialylated | | 4.3 (1.6-12) | 0.006 |
| Total fucosylated | | 12 (4.8-32) | <0.0001 |
| Total sialylated | | 0.27 (0.14-0.51) | 0.0003 |
| HMO structure | HMO group |  | |
| 3FL | Fucosylated | 0.065 (0.020-0.21) | <0.0001 |
| LNFP II | Fucosylated | 0.13 (0.027-0.66) | 0.02 |
| LNFP I+LNFP III | Fucosylated | 6.5 (2.3-19) | 0.001 |
| MFpLNH IV | Fucosylated | 0.33 (0.12-0.92) | 0.04 |
| 4120a | Fucosylated | 21 (4.6-96) | 0.0003 |
| MFLNH III+MFLNH I | Fucosylated | 9.6 (2.8-33) | 0.0009 |
| DFLNHa | Fucosylated | 8.9 (1.7-46) | 0.01 |
| DFLNHc | Fucosylated | 0.20 (0.067-0.61) | 0.006 |
| TFLNH | Fucosylated | 2.8 (1.02-7.9) | 0.047 |
| 5130b | Fucosylated | 0.052 (0.013-0.21) | 0.0002 |
| FLNO | Fucosylated | 0.28 (0.090-0.85) | 0.03 |
| LSTc+LSTb | Sialylated | 23 (7.0-73) | <0.0001 |
| 4100b | Fucosylated | 6.5 (1.9-22) | 0.005 |

**Supplemental Table 3 Fold changes in the log urine HMO:milk HMO ratio from sample one to sample two** Numbers less than one represent fold changes in the negative direction suggesting a decrease in absorption from the gut and excretion by the kidneys or an increase in milk intake or milk concentration of the HMO. Numbers greater than one suggest an increase in absorption from the gut and excretion by the kidneys over time. Four number designations refer to the number of monosaccharides in this order: Hex\_Fuc\_HexNAc\_Sialic acid