

**Supplemental Table 1.** Table of statistical tests performed on plasma, IgG, and IgA glycan parameters

<b>Comparison</b>	<b>Statistic value (Friedman test)</b>	<b>p-value (* &lt; 0.05)</b>
<b>Plasma glycome</b>		
GP1 T0 vs T1 vs T2	1.2	0.549
GP2 T0 vs T1 vs T2	1.6	0.449
GP3 T0 vs T1 vs T2	0.4	0.819
GP4 T0 vs T1 vs T2	1.2	0.549
GP5 T0 vs T1 vs T2	1.2	0.549
GP6 T0 vs T1 vs T2	0.4	0.819
GP7 T0 vs T1 vs T2	4.8	0.091
GP8 T0 vs T1 vs T2	3.6	0.165
GP9 T0 vs T1 vs T2	1.6	0.449
GP10 T0 vs T1 vs T2	1.6	0.449
GP11 T0 vs T1 vs T2	0	1
GP12 T0 vs T1 vs T2	5.2	0.074
GP13 T0 vs T1 vs T2	1.6	0.449
GP14 T0 vs T1 vs T2	0.4	0.819
GP15 T0 vs T1 vs T2	6.4	0.041
GP16 T0 vs T1 vs T2	1.6	0.449
GP17 T0 vs T1 vs T2	1.2	0.549
GP18 T0 vs T1 vs T2	5.2	0.074
GP19 T0 vs T1 vs T2	2.8	0.247
GP20 T0 vs T1 vs T2	0.4	0.819
GP21 T0 vs T1 vs T2	2.8	0.247
GP22 T0 vs T1 vs T2	8.4	0.015
GP23 T0 vs T1 vs T2	5.2	0.074
GP24 T0 vs T1 vs T2	8.4	0.015
GP25 T0 vs T1 vs T2	0	1
GP26 T0 vs T1 vs T2	8.4	0.015
GP27 T0 vs T1 vs T2	1.2	0.549
GP28 T0 vs T1 vs T2	10	0.007
GP29 T0 vs T1 vs T2	7.6	0.022
GP30 T0 vs T1 vs T2	8.4	0.015
GP31 T0 vs T1 vs T2	10	0.007
GP32 T0 vs T1 vs T2	5.2	0.074
GP33 T0 vs T1 vs T2	1.6	0.449
GP34 T0 vs T1 vs T2	5.2	0.074
GP35 T0 vs T1 vs T2	6.4	0.041
GP36 T0 vs T1 vs T2	5.2	0.074
GP37 T0 vs T1 vs T2	7.6	0.022
GP38 T0 vs T1 vs T2	5.2	0.074
GP39 T0 vs T1 vs T2	1.6	0.449
LB T0 vs T1 vs T2	8.4	0.015
HB T0 vs T1 vs T2	8.4	0.015
S0 T0 vs T1 vs T2	1.2	0.549
S1 T0 vs T1 vs T2	2.8	0.247

S2 T0 vs T1 vs T2	0.4	0.819
S3 T0 vs T1 vs T2	7.6	0.022
S4 T0 vs T1 vs T2	2.8	0.247
G0 T0 vs T1 vs T2	1.2	0.549
G1 T0 vs T1 vs T2	1.2	0.549
G2 T0 vs T1 vs T2	2.8	0.247
G3 T0 vs T1 vs T2	7.6	0.022
G4 T0 vs T1 vs T2	5.2	0.074
HM T0 vs T1 vs T2	6.4	0.041
B T0 vs T1 vs T2	1.6	0.449
CF T0 vs T1 vs T2	1.6	0.449
AF T0 vs T1 vs T2	1.2	0.549
<b>IgG glycome</b>		
P1 T0 vs T1 vs T2	0.4	0.819
P2 T0 vs T1 vs T2	2.8	0.247
P3 T0 vs T1 vs T2	1.6	0.449
P4 T0 vs T1 vs T2	4.8	0.091
P5 T0 vs T1 vs T2	0.4	0.819
P6 T0 vs T1 vs T2	5.2	0.074
P7 T0 vs T1 vs T2	1.6	0.449
P8 T0 vs T1 vs T2	5.2	0.074
P9 T0 vs T1 vs T2	0.4	0.819
P10 T0 vs T1 vs T2	5.2	0.074
P11 T0 vs T1 vs T2	1.6	0.449
P12 T0 vs T1 vs T2	7.6	0.022
P13 T0 vs T1 vs T2	2.8	0.247
P14 T0 vs T1 vs T2	0.4	0.819
P15 T0 vs T1 vs T2	1.2	0.549
P16 T0 vs T1 vs T2	1.2	0.549
P17 T0 vs T1 vs T2	0.4	0.819
P18 T0 vs T1 vs T2	2.8	0.247
P19 T0 vs T1 vs T2	1.2	0.549
P20 T0 vs T1 vs T2	5.2	0.074
P21 T0 vs T1 vs T2	3.6	0.165
P22 T0 vs T1 vs T2	1.6	0.449
P23 T0 vs T1 vs T2	8.4	0.015
P24 T0 vs T1 vs T2	0.4	0.819
P25 T0 vs T1 vs T2	7.6	0.022
P26 T0 vs T1 vs T2	1.2	0.549
P27 T0 vs T1 vs T2	2.8	0.247
G0yourscore T0 vs T1 vs T2	1.368	0.504
G1yourscore T0 vs T1 vs T2	0	1
G2yourscore T0 vs T1 vs T2	1.444	0.486
Syourscore T0 vs T1 vs T2	4.333	0.115
Byourscore T0 vs T1 vs T2	8.375	0.015
glycanage T0 vs T1 vs T2	2.364	0.307
<b>IgA glycome</b>		

TPL_N4H4F1 T0 vs T1 vs T2	1.6	0.449
TPL_N4H5S1F1 T0 vs T1 vs T2	4.8	0.091
TPL_N4H5S2F1 T0 vs T1 vs T2	6.4	0.041
TPL_N5H5F1 T0 vs T1 vs T2	0.4	0.819
TPL_N5H5S1F1 T0 vs T1 vs T2	1.2	0.549
TPL_N5H5S2F1 T0 vs T1 vs T2	2.8	0.247
IIV_N3H5S1F1 T0 vs T1 vs T2	1.2	0.549
IIV_N4H5S1F1 T0 vs T1 vs T2	0	1
IIV_N4H5S2 T0 vs T1 vs T2	0.4	0.819
IIV_N4H5S2F1 T0 vs T1 vs T2	0.4	0.819
LAGca_N4H5S1F1 T0 vs T1 vs T2	1.2	0.549
LAGca_N4H5S2F1 T0 vs T1 vs T2	0.4	0.819
LAGca_N5H5S1F1 T0 vs T1 vs T2	1.2	0.549
LAGca_N5H5S2F1 T0 vs T1 vs T2	0.4	0.819
LAGcb_N3H4 T0 vs T1 vs T2	0.4	0.819
LAGcb_N4H4S1F1 T0 vs T1 vs T2	1.2	0.549
LAGcb_N4H5S1F1 T0 vs T1 vs T2	0.4	0.819
LAGcb_N4H5S2F1 T0 vs T1 vs T2	0.4	0.819
LAGcb_N5H5S1F1 T0 vs T1 vs T2	1.2	0.549
LAGcb_N5H5S2F1 T0 vs T1 vs T2	0.4	0.819
LAGcb_N6H6S3F1 T0 vs T1 vs T2	1.2	0.549
LAGy_N4H5S1 T0 vs T1 vs T2	0.4	0.819
LAGy_N4H5S1F1 T0 vs T1 vs T2	0.4	0.819
LAGy_N4H5S2 T0 vs T1 vs T2	2.8	0.247
LAGy_N4H5S2F1 T0 vs T1 vs T2	2.8	0.247
LAGy_N5H4S1F1 T0 vs T1 vs T2	0.4	0.819
LAGy_N5H5S1F1 T0 vs T1 vs T2	6.4	0.041
LAGy_N5H5S2F1 T0 vs T1 vs T2	7.6	0.022

LAGy_N5H6S2F1 T0 vs T1 vs T2	2.8	0.247
LSL_N3H5S1F1 T0 vs T1 vs T2	1.2	0.549
LSL_N4H4S1 T0 vs T1 vs T2	2.8	0.247
LSL_N4H5 T0 vs T1 vs T2	0.4	0.819
LSL_N4H5S1 T0 vs T1 vs T2	1.2	0.549
LSL_N4H5S2 T0 vs T1 vs T2	3.6	0.165
LSL_N5H3 T0 vs T1 vs T2	8.4	0.015
LSL_N5H4 T0 vs T1 vs T2	1.6	0.449
LSL_N5H4S1 T0 vs T1 vs T2	0.4	0.819
LSL_N5H5 T0 vs T1 vs T2	0	1
LSL_N5H5S1 T0 vs T1 vs T2	1.6	0.449
LSL_N5H5S2 T0 vs T1 vs T2	0.4	0.819
HYT_N3H3S3 T0 vs T1 vs T2	1.2	0.549
HYT_N4H3S2 T0 vs T1 vs T2	2.8	0.247
HYT_N4H3S3 T0 vs T1 vs T2	3.6	0.165
HYT_N4H4 T0 vs T1 vs T2	1.2	0.549
HYT_N4H4S1 T0 vs T1 vs T2	1.6	0.449
HYT_N4H4S2 T0 vs T1 vs T2	2.8	0.247
HYT_N4H4S3 T0 vs T1 vs T2	1.2	0.549
HYT_N4H4S4 T0 vs T1 vs T2	0.4	0.819
HYT_N5H3S2 T0 vs T1 vs T2	2.8	0.247
HYT_N5H3S3 T0 vs T1 vs T2	2.8	0.247
HYT_N5H4S1 T0 vs T1 vs T2	0	1
HYT_N5H4S2 T0 vs T1 vs T2	3.6	0.165
HYT_N5H4S3 T0 vs T1 vs T2	1.2	0.549
HYT_N5H5S1 T0 vs T1 vs T2	0.4	0.819
HYT_N5H5S2 T0 vs T1 vs T2	2.8	0.247
HYT_N5H5S3 T0 vs T1 vs T2	1.6	0.449
TPL__Stot T0 vs T1 vs T2	1.2	0.549
TPL__Alow T0 vs T1 vs T2	2.8	0.247
TPL__Ahigh T0 vs T1 vs T2	2.8	0.247

TPL__Slow T0 vs T1 vs T2	1.2	0.549
IIV__Ftot T0 vs T1 vs T2	0.4	0.819
IIV__Alow T0 vs T1 vs T2	1.2	0.549
LAGca__Alow T0 vs T1 vs T2	1.2	0.549
LAGca__Ahigh T0 vs T1 vs T2	1.2	0.549
LAGcb__Ftot T0 vs T1 vs T2	0.4	0.819
LAGcb__Stot T0 vs T1 vs T2	0.4	0.819
LAGcb__Alow T0 vs T1 vs T2	0.4	0.819
LAGcb__Ahigh T0 vs T1 vs T2	2.8	0.247
LAGcb__Slow T0 vs T1 vs T2	1.2	0.549
LAGcb__Shigh T0 vs T1 vs T2	1.2	0.549
LAGy__Ftot T0 vs T1 vs T2	2.8	0.247
LAGy__Alow T0 vs T1 vs T2	5.2	0.074
LAGy__Ahigh T0 vs T1 vs T2	5.2	0.074
LSL__Ftot T0 vs T1 vs T2	1.2	0.549
LSL__Stot T0 vs T1 vs T2	2.8	0.247
LSL__Alow T0 vs T1 vs T2	1.2	0.549
LSL__Ahigh T0 vs T1 vs T2	1.2	0.549
LSL__Slow T0 vs T1 vs T2	2.8	0.247
HYT__N3 T0 vs T1 vs T2	1.2	0.549
HYT__N4 T0 vs T1 vs T2	1.2	0.549
HYT__N5 T0 vs T1 vs T2	1.2	0.549
HYT__H3 T0 vs T1 vs T2	2.8	0.247
HYT__H4 T0 vs T1 vs T2	1.2	0.549
HYT__H5 T0 vs T1 vs T2	1.6	0.449
HYT__S1 T0 vs T1 vs T2	1.6	0.449
HYT__S2 T0 vs T1 vs T2	1.2	0.549
HYT__S3 T0 vs T1 vs T2	0.4	0.819
HYT__S4 T0 vs T1 vs T2	0.4	0.819
HYT__Hdef T0 vs T1 vs T2	0.4	0.819