S5 Table. **Normal distribution test for independent samples *t*-test**. Variables (structural features) deriving from the EP-hCG and GTD-hCG were subjected to the Shapiro-Wilk statistic. Values in bold correspond to variables significant at *P*<0.05 (not meeting normal distribution assumption). Note that high mannose (**HM**) and bi-antennary N-glycans (**Bi-**) did not meet the normal distribution assumption and therefore they were excluded from further analysis.

Tests of Normality

Variable (str. feature)	Group	Shapiro-Wilk Statistic	df	Sig.
High Mannose	EP-hCG	.765	3	**.032**
	GTD-hCG	.851	4	.230
Mono-antennary	EP-hCG	.995	3	.868
	GTD-hCG	.920	4	.537
Bi-antennary	EP-hCG	.755	3	**.011**
	GTD-hCG	.869	4	.294
Tri-antennary	EP-hCG	.794	3	.101
	GTD-hCG	.918	4	.528
Tetra-antennary	EP-hCG	.938	3	.521
	GTD-hCG	.830	4	.168
Agalactosylated	EP-hCG	.787	3	.085
	GTD-hCG	.917	4	.519
Core-Fucosylated	EP-hCG	1.000	3	.985
	GTD-hCG	.809	4	.120
Bisected	EP-hCG	.944	3	.544
	GTD-hCG	.891	4	.388
LacNAc	EP-hCG	.841	3	.217
	GTD-hCG	.943	4	.675
NeuAc	EP-hCG	.988	3	.794
	GTD-hCG	.938	4	.642
LewisX	EP-hCG	.993	3	.845
	GTD-hCG	.953	4	.737