



S1 Fig. N-glycomic profiles of hCG samples. MALDI-TOF MS spectra of permethylated N-glycans derived from (A) EP-hCG2, (B) LP-hCG2, (C) EP-hCG3 and (D) LP-hCG3 samples. Structures above a bracket were not unequivocally defined. Red peaks correspond to bisected N-glycans with various antenna configurations. (C, D) Horizontal line above the

spectra indicates the area and the level of zoom. Putative structures are based on composition, tandem MS, β -galactosyltransferase experiment and knowledge of biosynthetic pathways. All molecular ions are $[M+Na]^+$.