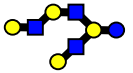
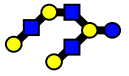
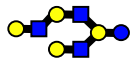
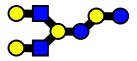
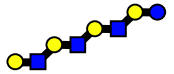
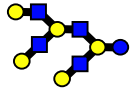
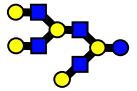
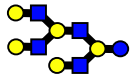
Table 1 The 20 core structures of human milk oligosaccharides

	Name	Structures	CFG format
I.	Lactose	Gal(β1-4)Glc	
II	Lacto-*N*-tetraose	Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)Glc	
III.	Lacto-*N*-neotetraose	Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc	
IV.	Lacto-*N*-novopentaose-I	Gal(β1-4)GlcNAc(β1-6) Gal(β1-3) Gal(β1-4)Glc	
V.	Lacto-*N*-hexaose	Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3) Gal(β1-4)Glc	
VI.	Lacto-*N*-neohexaose	Gal(β1-4)GlcNAc(β1-6) Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)Glc	
VII.	*para*-Lacto-*N*-hexaose	Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc	
VIII.	*para*-Lacto-*N*-neohexaose	Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc	
IX.	Lacto-*N*-octaose	Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3) Gal(β1-4)Glc	
X.	Lacto-*N*-neooctaose	Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6) Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)Glc	
XI.	*iso*-Lacto-*N*-octaose	Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3) Gal(β1-4)Glc	

continued

Table 1 (continued)

	Name	Structures	CFG format
XII.	*iso*-Lacto-*N*-neooctaose	Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6) Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)Glc	
XIII.	*novo*-Lacto-*N*-octaose	Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3) Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc	
XIV.	*novo*-Lacto-*N*-neooctaose	Gal(β1-4)GlcNAc(β1-6) Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc	
XV.	*para*-Lacto-*N*-octaose	Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc	
XVI.	*para*-Lacto-*N*-neooctaose	Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc	
XVII.	Lacto-*N*-decaose	Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3) Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3) Gal(β1-4)Glc	
XVIII.	Lacto-*N*-neodecaose	Gal(β1-4)GlcNAc(β1-6) Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3) Gal(β1-4)Glc	
XIX.	*iso*-Lacto-*N*-decaose	Gal(β1-4)GlcNAc(β1-6) Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)GlcNAc(β1-6) Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)Glc	
XX.	*novo*-Lacto-*N*-decaose	Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6) Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3) Gal(β1-4)Glc