

Supplementary Table S4. Profiles of product to precursor ratios that may reflect the activity of 16 α -hydroxylating enzymes in the GDM- and GDM+ groups from week 24 of gestation to labor

Product to precursor ratios	GDM	GDM \times Stage		
		Week 24-28 of gestation (a)	Week 30-36 of gestation (b)	Labor (c)
16 α -Hydroxy-pregnenolone/pregnenolone	–	0.12 (0.1, 0.13)	0.18 (0.16, 0.21)	0.34 (0.3, 0.38)
	+	0.087 (0.076, 0.1)*	0.15 (0.13, 0.17)	0.27 (0.24, 0.31)
G: F=10.5, p=0.002; S: F=80.4, p<0.001; G \times S: F=0.1, p=0.88; GDM– b>a, c>a, c>b; GDM+ b>a, c>a, c>b				
16 α -Hydroxy-pregnenolone/pregnenolone, sulfates	–	0.27 (0.2, 0.36)	0.48 (0.36, 0.63)	0.4 (0.3, 0.54)
	+	0.2 (0.15, 0.27)	0.35 (0.26, 0.46)	0.34 (0.25, 0.45)
G: F=2.6, p=0.107; S: F=4.7, p=0.011; G \times S: F=0.1, p=0.942				
1000 \times 16 α -Hydroxy-progesterone/progesterone	–	31 (28, 33)	44 (40, 48)	72 (65, 79)
	+	30 (27, 32)	44 (40, 48)	63 (58, 70)
G: F=0.9, p=0.358; S: F=90.8, p<0.001; G \times S: F=0.5, p=0.621; GDM– b>a, c>a, c>b; GDM+ b>a, c>a, c>b				
5-Androstene-3 β ,16 α ,17 β -triol/androstenediol	–	0.89 (0.78, 1)	1.3 (1.1, 1.4)	1.1 (0.95, 1.2)
	+	0.85 (0.74, 0.97)	1.3 (1.1, 1.5)	0.87 (0.76, 1)
G: F=1.2, p=0.282; S: F=9.6, p<0.001; G \times S: F=0.9, p=0.431; GDM– b>a; GDM+ b>a, c<b				
5-Androstene-3 β ,16 α ,17 β -triol/androstenediol, sulfates	–	1.1 (0.96, 1.2)	1.4 (1.2, 1.6)	1.1 (1, 1.3)
	+	0.85 (0.75, 0.95)*	1.1 (0.95, 1.2)*	0.91 (0.81, 1)*
G: F=14.5, p<0.001; S: F=5.3, p=0.007; G \times S: F=0, p=0.963; GDM– b>a				
16 α -Hydroxytestosterone/testosterone	–	2 (1.6, 2.5)	3.4 (2.8, 4.1)	2.7 (2.2, 3.3)
	+	1.6 (1.3, 2)	3.2 (2.7, 3.9)	2.1 (1.6, 2.6)
G: F=2.3, p=0.133; S: F=9.9, p<0.001; G \times S: F=0.3, p=0.72; GDM– b>a; GDM+ b>a, c<b				
Estriol/estradiol	–	0.58 (0.53, 0.65)	0.66 (0.59, 0.73)	0.73 (0.66, 0.82)
	+	0.63 (0.57, 0.7)	0.82 (0.74, 0.91)*	0.82 (0.73, 0.92)
G: F=5.2, p=0.025; S: F=6.5, p=0.002; G \times S: F=0.5, p=0.585; GDM– c>a; GDM+ b>a, c>a				
Estriol/estradiol, sulfates	–	5.4 (4.7, 6.1)	5.7 (5.1, 6.5)	7.2 (6.3, 8.1)
	+	4.6 (4.1, 5.2)	5.6 (5, 6.3)	8.8 (7.8, 10)
G: F=0, p=0.833; S: F=17.1, p<0.001; G \times S: F=2.3, p=0.102; GDM– c>a; GDM+ c>a, c>b				

The symbols are the same as for Table 1