

**Table S1:** The associations between maternal thyroid function indicators and the length of the first stage of labor.

	Maternal duration of labor in the first stage					
	Model 1 <sup>a</sup> $\beta$ (95% CI)	<i>p</i>	Model 2 <sup>b</sup> $\beta$ (95% CI)	<i>p</i>	Model 3 <sup>c</sup> $\beta$ (95% CI)	<i>p</i>
<b>In the first trimester</b>						
Per unit increase in LnFT4 (n=2260)	0.20 (-0.73, 1.14)	0.67	0.28 (-0.56, 1.13)	0.51	0.55 (-0.22, 1.32)	0.16
Per unit increase in LnTSH (n=2260)	0.09 (-0.05, 0.22)	0.20	-0.07 (-0.20, 0.06)	0.28	-0.10 (-0.22, 0.01)	0.09
Per unit increase in LnTPOAb (n=894)	0.10 (-0.19, 0.38)	0.50	0.12 (-0.14, 0.39)	0.34	0.06 (-0.19, 0.30)	0.64
<b>In the second trimester</b>						
Per unit increase in LnFT4 (n=26341)	<b>-0.42 (-0.76, -0.08)</b>	<b>0.01</b>	-0.93 (-2.00, 0.15)	0.09	<b>-1.30 (-2.28, -0.32)</b>	<b>&lt;0.01</b>
Per unit increase in LnTSH (n=26341)	<b>0.21 (0.13, 0.29)</b>	<b>&lt;0.001</b>	0.06 (-0.01, 0.13)	0.07	0.06 (-0.004, 0.12)	0.07
Per unit increase in LnTPOAb (n=18945)	<b>0.12 (0.04, 0.20)</b>	<b>&lt;0.01</b>	<b>0.14 (0.07, 0.21)</b>	<b>&lt;0.001</b>	<b>0.08 (0.01, 0.14)</b>	<b>0.02</b>
<b>In the third trimester</b>						
Per unit increase in LnFT4 (n=27436)	-0.28 (-0.59, 0.02)	0.07	<b>-0.34 (-0.62, -0.07)</b>	<b>0.01</b>	<b>-0.35 (-0.61, -0.10)</b>	<b>&lt;0.01</b>
Per unit increase in LnTSH (n=27436)	<b>0.40 (0.32, 0.47)</b>	<b>&lt;0.001</b>	<b>0.13 (0.07, 0.20)</b>	<b>&lt;0.001</b>	<b>0.12 (0.06, 0.18)</b>	<b>&lt;0.001</b>
Per unit increase in LnTPOAb (n=23741)	<b>0.17 (0.10, 0.24)</b>	<b>&lt;0.001</b>	<b>0.20 (0.14, 0.26)</b>	<b>&lt;0.001</b>	<b>0.09 (0.02, 0.15)</b>	<b>0.01</b>

Abbreviations: FT4: free thyroxine; TSH: thyroid-stimulating hormone; TPOAb: thyroid peroxidase antibody.

FT4 (pmol/L), TSH (mIU/L), TPOAb (IU/mL).

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension and gestational diabetes.

<sup>c</sup>Model 3: further adjusted for type of labor (spontaneous or induced).

Statistically significant results ( $p < 0.05$ ) are bolded.

**Table S2:** The associations between maternal thyroid function indicators and the length of the first stage of labor (spontaneous labor).

	Maternal duration of labor in the first stage			
	Model 1 <sup>a</sup> $\beta$ (95% CI)	<i>p</i>	Model 2 <sup>b</sup> $\beta$ (95% CI)	<i>p</i>
<b>In the first trimester</b>				
Per unit increase in LnFT4 (n=1313)	-0.007 (-1.01, 1.00)	0.99	0.17 (-1.11, 8.42)	0.792
Per unit increase in LnTSH (n=1313)	0.008 (-0.13, 0.15)	0.91	-0.11 (-0.24, 0.03)	0.12
Per unit increase in LnTPOAb (n=550)	-0.04 (-0.28, 0.20)	0.74	-0.05 (-0.27, 0.17)	0.64
<b>In the second trimester</b>				
Per unit increase in LnFT4 (n=16119)	<b>-0.82 (-1.18, -0.45)</b>	<b>&lt; 0.001</b>	<b>-0.97 (-1.30, -0.64)</b>	<b>&lt;0.001</b>
Per unit increase in LnTSH (n=16119)	<b>0.20 (0.11, 0.28)</b>	<b>&lt; 0.001</b>	0.06 (-0.02, 0.13)	0.152
Per unit increase in LnTPOAb (n=11693)	<b>-0.22 (-0.30, 0.15)</b>	<b>&lt; 0.001</b>	<b>0.36 (0.26, 0.47)</b>	<b>&lt;0.001</b>
<b>In the third trimester</b>				
Per unit increase in LnFT4 (n=17992)	<b>-0.97 (-1.28, -0.65)</b>	<b>&lt;0.001</b>	<b>-0.97 (-1.26, -0.68)</b>	<b>&lt;0.001</b>
Per unit increase in LnTSH (n=17992)	<b>5.74 (5.66, 5.83)</b>	<b>&lt;0.001</b>	<b>0.12 (0.05, 0.20)</b>	<b>&lt;0.001</b>
Per unit increase in LnTPOAb (n=15695)	<b>-0.33 (-0.40, -0.26)</b>	<b>&lt;0.001</b>	<b>0.66 (0.55, 0.77)</b>	<b>&lt;0.001</b>

Abbreviations: FT4: free thyroxine; TSH: thyroid-stimulating hormone; TPOAb: thyroid peroxidase antibody.  
FT4 (pmol/L), TSH (mIU/L), TPOAb (IU/mL).

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension and gestational diabetes.

Statistically significant results ( $p < 0.05$ ) are bolded.

**Table S3:** The associations between maternal FT4 level and the length of the first stage of labor.

	Maternal duration of labor in the first stage					
	Model 1 <sup>a</sup> $\beta$ (95% CI)	<i>p</i>	Model 2 <sup>b</sup> $\beta$ (95% CI)	<i>p</i>	Model 3 <sup>c</sup> $\beta$ (95% CI)	<i>p</i>
<b>In the first trimester (pmol/L)</b>						
Low Tertile (n=752)	Ref.		Ref.		Ref.	
Medium Tertile (n=756)	-0.24 (-0.69, 0.21)	0.81	-0.31 (-0.74, 0.12)	0.33	-0.37 (-1.08, 0.34)	0.32
High Tertile (n=752)	-0.29 (-0.81, 0.22)	0.73	-0.36 (-0.96, 0.24)	0.59	-0.38 (-0.78, 0.02)	0.46
<b>In the second trimester (pmol/L)</b>						
Low Tertile (n=8797)	Ref.		Ref.		Ref.	
Medium Tertile (n=8785)	<b>-0.38 (-0.50, -0.27)</b>	<b>0.01</b>	-1.01 (-2.12, 0.10)	0.09	<b>-1.05 (-2.01, -0.08)</b>	<b>0.01</b>
High Tertile (n=8759)	<b>-0.41 (-0.60, -0.23)</b>	<b>&lt;0.001</b>	<b>-1.23 (-1.46, -1.01)</b>	<b>&lt;0.001</b>	<b>-1.38 (-1.60, -1.17)</b>	<b>&lt;0.001</b>
<b>In the third trimester (pmol/L)</b>						
Low Tertile (n=9205)	Ref.		Ref.		Ref.	
Medium Tertile (n=9123)	<b>-0.31 (-0.54, -0.08)</b>	<b>&lt;0.01</b>	<b>-0.28 (-0.40, -0.17)</b>	<b>0.02</b>	<b>-0.39 (-0.51, -0.27)</b>	<b>0.01</b>
High Tertile (n=9108)	<b>-0.32 (-0.48, -0.15)</b>	<b>&lt;0.001</b>	<b>-0.34 (-0.64, -0.04)</b>	<b>0.01</b>	<b>-0.41 (-0.70, -0.13)</b>	<b>&lt;0.01</b>

Abbreviations: FT4: free thyroxine.

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension and gestational diabetes.

<sup>c</sup>Model 3: further adjusted for type of labor (spontaneous or induced).

Statistically significant results ( $p < 0.05$ ) are bolded.

**Table S4:** The associations between maternal TSH level and the length of the first stage of labor.

	<b>Maternal duration of labor in the first stage</b>					
	<b>Model 1<sup>a</sup> <math>\beta</math> (95% CI)</b>	<b><i>p</i></b>	<b>Model 2<sup>b</sup> <math>\beta</math> (95% CI)</b>	<b><i>p</i></b>	<b>Model 3<sup>c</sup> <math>\beta</math> (95% CI)</b>	<b><i>p</i></b>
<b>In the first trimester (mIU/L)</b>						
Low Tertile (n=760)	Ref.		Ref.		Ref.	
Medium Tertile (n=748)	0.06 (-0.01, 0.13)	0.23	0.08 (-0.06, 0.21)	0.71	0.11 (-0.10, 0.31)	0.41
High Tertile (n=752)	0.04 (-0.03, 0.11)	0.26	0.12 (-0.10, 0.35)	0.18	0.16 (-0.09, 0.41)	0.34
<b>In the second trimester (mIU/L)</b>						
Low Tertile (n=8875)	Ref.		Ref.		Ref.	
Medium Tertile (n=8711)	<b>0.09 (0.02, 0.15)</b>	<b>0.01</b>	<b>0.05 (0.03, 0.07)</b>	<b>&lt;0.01</b>	<b>0.07 (0.05, 0.10)</b>	<b>0.02</b>
High Tertile (n=8755)	<b>0.10 (0.05, 0.16)</b>	<b>&lt;0.01</b>	<b>0.05 (0.02, 0.08)</b>	<b>0.01</b>	<b>0.10 (0.07, 0.13)</b>	<b>&lt;0.001</b>
<b>In the third trimester (mIU/L)</b>						
Low Tertile (n=9154)	Ref.		Ref.		Ref.	
Medium Tertile (n=9112)	<b>0.14 (0.08, 0.20)</b>	<b>&lt;0.01</b>	<b>0.11 (0.09, 0.13)</b>	<b>&lt;0.01</b>	<b>0.10 (0.04, 0.17)</b>	<b>&lt;0.001</b>
High Tertile (n=9170)	<b>0.22 (0.14, 0.31)</b>	<b>&lt;0.01</b>	<b>0.19 (0.08, 0.31)</b>	<b>&lt;0.001</b>	<b>0.24 (0.12, 0.36)</b>	<b>&lt;0.001</b>

Abbreviations: TSH: thyroid-stimulating hormone.

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension and gestational diabetes.

<sup>c</sup>Model 3: further adjusted for type of labor (spontaneous or induced).

Statistically significant results ( $p < 0.05$ ) are bolded.

**Table S5:** The associations between maternal TPOAb level and the length of the first stage of labor.

	Maternal duration of labor in the first stage					
	Model 1 <sup>a</sup> $\beta$ (95% CI)	<i>p</i>	Model 2 <sup>b</sup> $\beta$ (95% CI)	<i>p</i>	Model 3 <sup>c</sup> $\beta$ (95% CI)	<i>p</i>
<b>In the first trimester (IU/mL)</b>						
Low Tertile (n=296)	Ref.		Ref.		Ref.	
Medium Tertile (n=299)	<b>0.75 (0.18, 1.33)</b>	<b>0.01</b>	<b>0.59 (0.06, 1.12)</b>	<b>0.03</b>	0.39 (-0.11, 0.89)	0.12
High Tertile (n=299)	0.27 (-0.31, 0.84)	0.36	0.19 (-0.34, 0.71)	0.49	-0.04 (-0.53, 0.46)	0.88
<b>In the second trimester (IU/mL)</b>						
Low Tertile (n=6304)	Ref.		Ref.		Ref.	
Medium Tertile (n=6321)	0.12 (-0.005, 0.25)	0.06	0.11 (-0.00, 0.22)	0.05	0.07 (-0.04, 0.17)	0.22
High Tertile (n=6320)	<b>0.30 (0.18, 0.43)</b>	<b>&lt;0.001</b>	<b>0.31 (0.20, 0.42)</b>	<b>&lt;0.001</b>	<b>0.19 (0.09, 0.29)</b>	<b>&lt;0.001</b>
<b>In the third trimester (IU/mL)</b>						
Low Tertile (n=7912)	Ref.		Ref.		Ref.	
Medium Tertile (n=7914)	-0.01 (-0.12, 0.10)	0.81	0.004 (-0.09, 0.10)	0.93	-0.08 (-0.17, 0.01)	0.08
High Tertile (n=7915)	<b>0.29 (0.18, 0.40)</b>	<b>&lt;0.001</b>	<b>0.33 (0.23, 0.42)</b>	<b>&lt;0.001</b>	<b>0.13 (0.04, 0.22)</b>	<b>&lt;0.01</b>

Abbreviations: TPOAb, thyroid peroxidase antibody.

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension and gestational diabetes.

<sup>c</sup>Model 3: further adjusted for type of labor (spontaneous or induced).

Statistically significant results ( $p < 0.05$ ) are bolded.

**Table S6:** The associations between maternal thyroid function indicators and the length of the first stage of labor.

	Maternal duration of labor in the first stage					
	Model 1 <sup>a</sup> $\beta$ (95% CI)	<i>p</i>	Model 2 <sup>b</sup> $\beta$ (95% CI)	<i>p</i>	Model 3 <sup>c</sup> $\beta$ (95% CI)	<i>p</i>
<b>During pregnancy</b>						
Per unit increase in LnFT4 (n=2260)	-0.22 (-1.05, 0.61)	0.10	<b>-0.38 (-0.55, -0.21)</b>	<b>0.01</b>	<b>-0.64 (-1.10, -0.18)</b>	<b>0.01</b>
Per unit increase in LnTSH (n=2260)	0.08 (-0.10, 0.26)	0.30	0.05 (-0.15, 0.26)	0.09	<b>0.08 (0.02, 0.14)</b>	<b>0.04</b>
Per unit increase in LnTPOAb (n=894)	<b>0.11 (0.08, 0.14)</b>	<b>0.01</b>	<b>0.15 (0.10, 0.20)</b>	<b>&lt;0.01</b>	<b>0.09 (0.04, 0.15)</b>	<b>&lt;0.001</b>

Abbreviations: FT4: free thyroxine; TSH: thyroid-stimulating hormone; TPOAb: thyroid peroxidase antibody.

FT4 (pmol/L), TSH (mIU/L), TPOAb (IU/mL).

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension and gestational diabetes.

<sup>c</sup>Model 3: further adjusted for type of labor (spontaneous or induced).

Statistically significant results ( $p < 0.05$ ) are bolded.

**Table S7:** The associations between maternal thyroid function indicators and the length of the first stage of labor using mixed linear model.

	<b>Maternal duration of labor in the first stage</b>			
	<b>Model 1<sup>a</sup> <math>\beta</math> (95% CI)</b>	<b><i>p</i></b>	<b>Model 2<sup>b</sup> <math>\beta</math> (95% CI)</b>	<b><i>p</i></b>
Per unit increase in LnFT4	<b>-0.30 (-0.52, -0.08)</b>	<b>&lt;0.01</b>	<b>-0.34 (-0.54, -0.15)</b>	<b>&lt;0.001</b>
Per unit increase in LnTSH	<b>0.27 (0.22, 0.32)</b>	<b>&lt;0.001</b>	<b>0.07 (0.02, 0.11)</b>	<b>&lt;0.01</b>
Per unit increase in LnTPOAb	<b>0.12 (0.07, 0.18)</b>	<b>&lt;0.001</b>	<b>0.08 (0.02, 0.14)</b>	<b>&lt;0.001</b>

Abbreviations: FT4: free thyroxine; TSH: thyroid-stimulating hormone; TPOAb: thyroid peroxidase antibody. FT4 (pmol/L), TSH (mIU/L), TPOAb (IU/mL).

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension, gestational diabetes and type of labor (spontaneous or induced).

**Table S8:** The associations between maternal thyroid function in different trimester and the length of the first stage of labor in pregnant women with normal thyroid function.

	Maternal duration of labor in the first stage					
	Model 1 <sup>a</sup> $\beta$ (95% CI)	<i>p</i>	Model 2 <sup>b</sup> $\beta$ (95% CI)	<i>p</i>	Model 3 <sup>c</sup> $\beta$ (95% CI)	<i>p</i>
<b>In the first trimester</b>						
Per unit increase in LnFT4 (n=1764)	1.39 (-0.14, 2.92)	0.07	0.58 (-0.80, 1.95)	0.41	0.76 (-0.51, 2.02)	0.24
Per unit increase in LnTSH (n=1764)	0.16 (-0.07, 0.39)	0.16	0.004 (-0.21, 0.22)	0.97	-0.02 (-0.22, 0.18)	0.86
Per unit increase in LnTPOAb (n=638)	0.01 (-0.32, 0.34)	0.95	0.001 (-0.30, 0.30)	0.99	-0.08 (-0.36, 0.20)	0.59
<b>In the second trimester</b>						
Per unit increase in LnFT4 (n=22078)	<b>-0.53 (-0.97, -0.10)</b>	<b>0.02</b>	<b>-0.69 (-1.08, -0.29)</b>	<b>&lt;0.001</b>	<b>-0.68 (-1.04, -0.32)</b>	<b>&lt;0.001</b>
Per unit increase in LnTSH (n=22078)	<b>0.26 (0.15, 0.37)</b>	<b>&lt;0.001</b>	0.08 (-0.01, 0.18)	0.08	0.06 (-0.02, 0.15)	0.16
Per unit increase in LnTPOAb (n=15667)	<b>0.14 (0.05, 0.23)</b>	<b>&lt;0.001</b>	<b>0.15 (0.07, 0.23)</b>	<b>&lt;0.001</b>	<b>0.09 (0.02, 0.16)</b>	<b>0.01</b>
<b>In the third trimester</b>						
Per unit increase in LnFT4 (n=22747)	<b>-0.54 (-0.97, -0.12)</b>	<b>0.01</b>	<b>-0.60 (-0.98, -0.22)</b>	<b>&lt;0.01</b>	<b>-0.66 (-1.02, -0.31)</b>	<b>&lt;0.001</b>
Per unit increase in LnTSH (n=22747)	<b>0.50 (0.39, 0.60)</b>	<b>&lt;0.001</b>	<b>0.14 (0.05, 0.23)</b>	<b>&lt;0.01</b>	<b>0.12 (0.04, 0.21)</b>	<b>&lt;0.01</b>
Per unit increase in LnTPOAb (n=19439)	<b>0.16 (0.07, 0.24)</b>	<b>&lt;0.001</b>	<b>0.19 (0.12, 0.26)</b>	<b>&lt;0.001</b>	<b>0.07 (0.01, 0.14)</b>	<b>0.03</b>

Abbreviations: FT4: free thyroxine; TSH: thyroid-stimulating hormone; TPOAb: thyroid peroxidase antibody.

FT4 (pmol/L), TSH (mIU/L), TPOAb (IU/mL).

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational weeks when maternal thyroid function indicators were measured, gestational hypertension and gestational diabetes.

<sup>c</sup>Model 3: further adjusted for type of labor (spontaneous or induced).

Statistically significant results ( $p < 0.05$ ) are bolded.



**Table S9:** The associations between maternal thyroid dysfunction in different trimester and the length of the first stage of labor.

Maternal thyroid diseases	Maternal duration of labor in the first stage					
	Model 1 <sup>a</sup> $\beta$ (95% CI)	<i>p</i>	Model 2 <sup>b</sup> $\beta$ (95% CI)	<i>p</i>	Model 3 <sup>c</sup> $\beta$ (95% CI)	<i>p</i>
<b>In the first trimester</b>						
Euthyroid (n=2041)	Ref.		Ref.		Ref.	
Hypothyroidism (n=6)	0.01 (-2.83, 2.86)	0.99	-0.63 (-3.15, 1.89)	0.62	-1.18 (-3.53, 1.17)	0.33
Subclinical hypothyroidism (n=50)	0.35 (-0.63, 1.34)	0.48	-0.11 (-0.98, 0.77)	0.81	-0.17 (-0.98, 0.65)	0.69
Hypothyroxinemia (n=31)	<b>1.77 (0.52, 0.02)</b>	<b>0.01</b>	<b>1.15 (0.04, 2.26)</b>	<b>0.04</b>	0.48 (-0.56, 1.52)	0.36
Hyperthyroidism (n=49)	0.11 (-0.88, 1.11)	0.82	0.57 (-0.31, 1.45)	0.21	0.56 (-0.26, 1.39)	0.18
Subclinical hyperthyroidism (n=20)	-0.35 (-1.90, 1.21)	0.66	0.03 (-1.35, 1.41)	0.96	-0.02 (-1.31, 1.27)	0.97
Hyperthyroxinemia (n=63)	0.90 (0.02, 1.78)	0.05	0.26 (-0.52, 1.04)	0.52	0.22 (-0.51, 0.94)	0.56
<b>In the second trimester</b>						
Euthyroid (n=25217)	Ref.		Ref.		Ref.	
Hypothyroidism (n=4)	-0.19 (-3.67, 3.30)	0.92	-1.36 (-4.45, 1.73)	0.39	-0.30 (-3.19, 2.58)	0.84
Subclinical hypothyroidism (n=625)	0.17 (-0.11, 0.45)	0.24	-0.04 (-0.29, 0.21)	0.78	-0.10 (-0.33, 0.13)	0.40
Hypothyroxinemia (n=318)	0.31 (-0.08, 0.70)	0.12	0.17 (-0.18, 0.52)	0.34	0.03 (-0.30, 0.35)	0.87
Hyperthyroidism (n=0)	-	-	-	-	-	-
Subclinical hyperthyroidism (n=177)	-0.05 (-0.58, 0.47)	0.85	-0.14 (-0.60, 0.33)	0.56	-0.20 (-0.63, 0.24)	0.37
Hyperthyroxinemia (n=0)	-	-	-	-	-	-
<b>In the third trimester</b>						
Euthyroid (n=26595)	Ref.		Ref.		Ref.	
Hypothyroidism (n=1)	2.50 (-4.47, 9.46)	0.48	1.64 (-4.54, 7.82)	0.60	0.20 (-5.56, 5.60)	0.94
Subclinical hypothyroidism (n=378)	<b>0.36 (0.003, 0.72)</b>	<b>0.04</b>	0.22 (-0.10, 0.54)	0.18	<b>0.30 (0.001, 0.56)</b>	<b>0.04</b>
Hypothyroxinemia (n=219)	0.07 (-0.41, 0.54)	0.78	-0.04 (-0.46, 0.38)	0.85	-0.02 (-0.41, 0.37)	0.92
Hyperthyroidism (n=0)	-	-	-	-	-	-
Subclinical hyperthyroidism (n=243)	-0.32 (-0.77, 0.13)	0.16	-0.02 (-0.42, 0.38)	0.94	0.05 (-0.33, 0.42)	0.81
Hyperthyroxinemia (n=0)	-	-	-	-	-	-

<sup>a</sup>Model 1: unadjusted model.

<sup>b</sup>Model 2: adjusted for maternal age, parity, gestational age at delivery, baby gender, birth weight, gestational hypertension and gestational diabetes.

<sup>c</sup>Model 3: further adjusted for type of labor (spontaneous or induced).

Statistically significant results ( $p < 0.05$ ) are bolded.