

**Supplementary Table 2.** Characteristics and biochemical results for women within the repeated samples cohort classified with abnormal thyroid function in sample 1 (n = 222) stratified by their Tg-Ab status in sample 1 and agreement in the classification of abnormal thyroid function between sample 1 and 2.

	Tg-Ab negative			Tg-Ab positive						
	Samples agree <sup>a</sup>	Samples disagree <sup>b</sup>	p <sup>c</sup>	Samples agree <sup>a</sup>	Samples disagree <sup>b</sup>	p <sup>c</sup>				
<b>All pregnancies (n)</b>	<b>57</b>	<b>112</b>		<b>30</b>	<b>23</b>					
Week of blood sampling (median, IQR)										
Sample 1	8	8-9	8	7-8	0.059	8	7-8	8	7-9	0.800
Sample 2	11	10-12	12	11-13	0.435	12	11-12	11	11-13	0.972
TSH in mIU/L (median, IQR)										
Sample 1	1.53	0.21-3.70	1.31	0.52-3.18	0.980	4.95	4.12-7.22	3.15	1.47-4.18	<0.001
Sample 2	1.19	0.06-3.07	1.16	0.62-1.78	0.964	3.97	3.16-5.09	2.17	1.61-2.56	<0.001
$\Delta^d$	0.19	0.00-0.61	0.22	-0.06-0.96	0.632	1.40	-0.17-3.07	0.78	-0.05-1.70	0.387
ft4 in pmol/L (median, IQR)										
Sample 1	16.9	13.5-21.1	16.7	12.5-20.2	0.291	14.1	12.2-15.0	15.1	12.6-16.7	0.134
Sample 2	17.3	13.7-21.7	16.6	14.7-17.9	0.081	14.3	12.8-15.7	15.1	14.1-16.2	0.075
$\Delta^d$	-0.53	-1.72-1.05	0.05	-2.16-2.32	0.289	-0.65	-1.52-0.33	-0.76	-1.97-1.11	0.759
Age in years (median, IQR)	29.8	27.3-32.6	28.3	25.3-31.8	0.080	28.1	25.4-31.7	30.3	28.0-33.5	0.181
Origin (n, %)										
Born in Denmark	48	84.2	100	89.3		N/A	-	N/A	-	
Not born in Denmark	9	15.8	12	10.7	0.344	N/A	-	N/A	-	-
<b>All births<sup>e</sup> (n)</b>	<b>57</b>	<b>111</b>		<b>30</b>	<b>23</b>					
Pre-pregnancy BMI in kg/m <sup>2</sup> (median, IQR) <sup>f</sup>	23.9	21.3-28.5	24.1	21.1-30.4	0.876	25.7	22.2-31.2	23.7	21.1-28.4	0.316
Parity (n, %) <sup>f</sup>										
Nulliparous	28	50.0	60	54.1		14	46.7	8	34.8	
Multiparous	28	50.0	51	45.9	0.620	16	53.3	15	65.2	0.384
Smoking (n, %) <sup>f</sup>										
No smoking	47	83.9	97	87.4		N/A	-	N/A	-	
Smoking	9	16.1	14	12.6	0.540	N/A	-	N/A	-	-
Fetal gender (n, %)										
Female	30	52.6	51	46.0		12	40.0	11	47.8	
Male	27	47.4	60	54.0	0.412	18	60.0	12	52.2	0.569

Abbreviations: BMI: body mass index; fT4: free T4; IQR: interquartile range; N/A: not applicable; p: p-value; Tg-Ab: thyroglobulin antibodies.

<sup>a</sup> Classification of abnormal maternal thyroid function (defined as TSH or fT4 outside the method- and pregnancy week-specific reference ranges) in sample 1 and 2.

<sup>b</sup> Classification of abnormal maternal thyroid function in sample 1 and euthyroid classification in sample 2.

<sup>c</sup> p-values are results of comparison between groups within Tg-Ab negative and Tg-Ab positive women (samples agree vs. samples disagree).

<sup>d</sup> Computed as the difference between the two samples ( $\Delta = \text{sample1} - \text{sample2}$ ).

<sup>e</sup> Information on maternal pre-pregnancy BMI, parity, smoking, and fetal gender was only available for births (live births and still births).

<sup>f</sup> Women with missing information not included; pre-pregnancy BMI ( $n < 5$ ), parity ( $n < 5$ ) and smoking ( $n < 5$ ).