

Supplementary Table 1. The results of immunoprecipitation efficiency for different types of DNA

Sample	Type of pregnancy	Δ CT for methylated DNA	Δ CT for unmethylated DNA	Δ CT for <i>TSH2B</i> (methylated human DNA)	Δ CT for <i>GAPDH</i> promoter (region of human unmethylated DNA)
1	T21	-	-	-	-
2	T21	0.59	-6.58	1.5	-8.37
3	T21	1.67	-5.33	2.3	-9.09
4	T21	4.07	-0.31	4.48	-3.41
5	T21	1.29	-1.49	2.39	-4.49
6	T21	0.52	-7.01	1.29	-10.17
7	N	-	-	-	-
8	N	0.66	-7.41	2.02	-9.89
9	N	1	-6.3	2.57	-10.64
10	N	0.13	-6.87	2.07	-9.33
11	T21	0.18	-6.74	1.4	-7.9
12	N	-0.52	-7.23	1.5	-8.14

T21 – trisomy 21; N – normal pregnancy

Supplementary Table 2. The values of CT for Immunoprecipitated sample for markers of chromosome 21

Sample	Pregnancy	CT							
		EP4	EP5	EP6	EP7	EP8	EP10	EP11	EP12
1	T21	-	-	-	-	-	-	-	-
2	T21	26.5	26.8	29.7	29.6	26.7	26	29.5	27.8
3	T21	26.6	26.7	31.6	31.8	26.5	27	30.1	28.8
4	T21	26.4	26.5	32.4	28.7	28.3	26.8	31.5	29.9
5	T21	26.5	26.5	32.4	30.8	26.7	26.8	31.4	27.7
6	T21	26	25.9	32.5	29.9	26.3	26.7	30.4	28.6
7	N	-	-	-	-	-	-	-	-
8	N	27.1	27.4	30.7	26.9	25.9	24.4	29.4	26.9
9	N	26	25.8	31.9	29.7	27.1	26.4	30.7	28.5
10	N	26.5	26.4	30.6	25.9	27.5	26.7	29.9	28.5
11	T21	24	24	30.6	29.5	27.1	26.4	28.8	27.9
12	N	25.8	25.7	29.7	26.9	26,5	25.9	26.5	27.4

T21 – trisomy 21; N – normal pregnancy

Supplementary Table 3. The values of CT for Input sample for markers of chromosome 21

Sample	Pregnancy	CT							
		EP4	EP5	EP6	EP7	EP8	EP10	EP11	EP12
1	T21	-	-	-	-	-	-	-	-
2	T21	23.8	23.5	22.6	22.6	21.7	21.7	21.9	20.8
3	T21	23.8	23.8	22.9	23.5	22.4	21.9	22.6	21.7
4	T21	24.6	24.4	25.4	25.6	24.7	24.6	24.8	24.5
5	T21	23	22.8	23.5	23.3	22.1	22.2	22.6	22.3
6	T21	22	21.8	22.7	22.6	21.8	21.6	22.6	21.2
7	N	-	-	-	-	-	-	-	-
8	N	22.5	22.7	21.6	21.7	20.7	20.8	21.8	20.5
9	N	21.7	21.7	23.4	23.5	22.4	22.3	22.5	22.4
10	N	21.3	21.7	22.5	22.4	20.2	21.3	22.2	21.2
11	T21	21	21.5	21.3	21.7	20	20.6	21.4	20
12	N	21.3	21.5	21.3	21.8	20	20.8	21.6	20.9

T21 – trisomy 21; N – normal pregnancy