

# *NR3C1* gene methylation and cortisol levels in preterm and healthy full-term infants in the first three months of life.

**Table S1.** Percentage of *NR3C1* gene methylation at **D0 (birth)** - Exon 1F, CpG sites 8 to 47.

Sites	PRETERM INFANTS (n=46)									TERM INFANTS (n=49)									<i>P</i> <sup>a</sup>
	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	
CpG 8	46	.00	.00	.00	.00	.00	.00	.00	.00	48	.00	.00	.00	.00	2.14	.04	.04	.31	0.328
CpG 9	46	.00	.00	.00	.00	2.23	.05	.05	.33	48	.00	.00	.00	.00	.00	.00	.00	.00	0.307
CpG 10	46	.00	.00	.00	.00	.00	.00	.00	.00	48	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 11	45	.00	.00	.00	.00	1.45	.03	.03	.22	48	.00	.00	.00	.00	2.48	.05	.05	.36	0.976
<b>CpG 12#</b>	45	.00	.00	3.25	.00	19.84	3.87	.91	6.10	48	.00	.00	.00	.00	20.27	2.71	.88	6.11	<b>0.029*</b>
CpG 13	45	.00	.00	.00	.00	1.84	.37	.10	.70	48	.00	.00	.00	.00	2.28	.33	.10	.70	0.752
CpG 14	12	.00	.00	.00	.00	4.86	.56	.42	1.45	12	.00	.00	.00	.00	5.06	.42	.42	1.46	0.799
CpG 15	15	.00	.00	.00	.00	5.04	.46	.35	1.36	14	.00	.00	.00	.00	4.49	.51	.36	1.35	1.000
CpG 16	21	.00	.00	.00	.00	7.21	1.06	.46	2.12	17	.00	.00	.00	.00	4.81	.74	.40	1.67	0.750
CpG 17	40	.00	.00	.00	.00	7.28	.62	.28	1.79	43	.00	.00	.00	.00	14.97	1.09	.42	2.74	0.349
CpG 18	41	.00	.00	.00	.00	6.65	.47	.24	1.53	45	.00	.00	.00	.00	9.01	.26	.21	1.40	0.337
CpG 19	42	.00	.00	.00	.00	10.81	1.19	.38	2.47	45	.00	.00	.00	.00	11.90	1.31	.47	3.13	0.751
CpG 20	42	.00	.00	.00	.00	.00	.00	.00	.00	44	.00	.00	.00	.00	2.56	.06	.06	.39	0.329
CpG 21	42	.00	.00	.00	.00	6.13	.64	.24	1.54	44	.00	.00	.00	.00	11.08	.76	.33	2.16	0.774
CpG 22	31	.00	.00	.00	.00	5.13	.50	.25	1.37	28	.00	.00	.00	.00	2.85	.10	.10	.54	0.187
CpG 23	34	.00	.00	.00	.00	3.03	.09	.09	.52	31	.00	.00	.00	.00	.00	.00	.00	.00	0.340
CpG 24	35	.00	.00	.00	.00	5.61	.57	.25	1.47	31	.00	.00	.00	.00	3.95	.30	.17	.96	0.518
CpG 25	35	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 26	35	.00	.00	.00	.00	3.12	.09	.09	.53	31	.00	.00	.00	.00	.00	.00	.00	.00	0.347
CpG 27	35	.00	.00	.00	.00	.00	.00	.00	.00	32	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 28	35	.00	.00	.00	.00	.00	.00	.00	.00	33	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 29	36	.00	.00	.00	.00	.00	.00	.00	.00	34	.00	.00	.00	.00	10.12	.30	.30	1.74	0.303
CpG 30	39	.00	.00	.00	.00	3.57	.18	.13	.79	31	.00	.00	.00	.00	3.19	.19	.13	.75	0.860
CpG 31	31	.00	.00	.00	.00	4.03	.29	.17	.94	23	.00	.00	.00	.00	4.24	.31	.22	1.05	0.931
CpG 32	14	.00	.00	.00	.00	.00	.00	.00	.00	19	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 33	42	.00	.00	.00	.00	4.73	.20	.14	.91	35	.00	.00	.00	.00	4.27	.22	.15	.90	0.873
CpG 34	43	.00	.00	.00	.00	3.23	.12	.09	.58	36	.00	.00	.00	.00	2.94	.08	.08	.49	0.666
CpG 35	43	.00	.00	.00	.00	1.31	.03	.03	.20	39	.00	.00	.00	.00	.00	.00	.00	.00	0.341
CpG 36	43	.00	.00	.00	.00	1.99	.08	.06	.38	39	.00	.00	.00	.00	8.76	.67	.32	1.98	0.159
CpG 37	40	.00	.00	.00	.00	7.99	.30	.22	1.41	47	.00	.00	.00	.00	6.05	.31	.17	1.13	0.561
CpG 38	43	2.43	.00	2.91	.00	12.65	2.28	.44	2.87	47	2.11	.00	3.42	.00	11.03	2.10	.36	2.45	0.923
CpG 39	43	1.62	.00	2.81	.00	13.77	2.06	.50	3.26	47	.00	.00	2.73	.00	12.19	1.40	.38	2.60	0.182
CpG 40	33	.00	.00	.00	.00	16.57	.61	.51	2.94	26	.00	.00	.00	.00	.00	.00	.00	.00	0.205
CpG 41	29	.00	.00	.00	.00	3.66	.13	.13	.68	26	.00	.00	.00	.00	.00	.00	.00	.00	0.344
<b>CpG 42#</b>	33	2.16	.00	3.13	.00	15.07	2.15	.53	3.04	27	.00	.00	.00	.00	3.30	.32	.18	.94	<b>0.001*</b>
CpG 43	33	.00	.00	.00	.00	3.43	.19	.13	.76	28	.00	.00	.00	.00	.00	.00	.00	.00	0.189
CpG 44	33	.00	.00	.00	.00	3.79	.11	.11	.66	29	.00	.00	.00	.00	.00	.00	.00	.00	0.349
CpG 45	33	.00	.00	.00	.00	5.41	.29	.18	1.01	30	.00	.00	.00	.00	2.21	.12	.08	.46	0.466
CpG 46	34	.00	.00	.00	.00	5.32	.16	.16	.91	33	.00	.00	.00	.00	.00	.00	.00	.00	0.325
<b>CpG 47#</b>	37	.00	.00	1.08	.00	16.15	.93	.46	2.79	34	.00	.00	.00	.00	1.36	.04	.04	.23	<b>0.005*</b>
<b>Total meth.</b>		.00	.00	.00	.00	19.84	.54	.05	1.94		.00	.00	.00	.00	20.27	.40	.05	1.76	<b>0.001*</b>

D0 – day of birth; SEM – Standard error of mean; SD – Standard deviation; Total meth. – total methylation; <sup>a</sup>Mann-Whitney U test; \*statistically significant difference between the groups; #percentage of methylation in preterm infants higher than in term infants.

# NR3C1 gene methylation and cortisol levels in preterm and healthy full-term infants in the first three months of life.

**Table S2.** Percentage of *NR3C1* gene methylation at D5 - Exon 1F, CpG sites 8 to 47.

Sites	PRETERM INFANTS (n=46)									TERM INFANTS (n=36)									P <sup>a</sup>
	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	
CpG 8	45	.00	.00	.00	.00	.00	.00	.00	.00	34	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 9	45	.00	.00	.00	.00	.00	.00	.00	.00	35	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 10	46	.00	.00	.00	.00	.00	.00	.00	.00	35	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 11	46	.00	.00	.00	.00	.00	.00	.00	.00	35	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 12	46	.00	.00	2.08	.00	20.51	3.16	.96	6.49	36	.00	.00	.00	.00	19.79	2.06	.91	5.45	0.140
CpG 13	46	.00	.00	.00	.00	2.15	.26	.09	.63	35	.00	.00	.00	.00	1.99	.28	.11	.64	0.864
CpG 14	12	.00	.00	.00	.00	.00	.00	.00	.00	9	.00	.00	.00	.00	2.66	.30	.30	.89	0.702
CpG 15	18	.00	.00	.00	.00	.00	.00	.00	.00	10	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 16	23	.00	.00	.00	.00	4.09	.27	.20	.94	12	.00	.00	.00	.00	.00	.00	.00	.00	0.694
CpG 17	41	.00	.00	.00	.00	3.48	.20	.12	.74	29	.00	.00	.00	.00	2.08	.13	.09	.50	0.883
CpG 18	42	.00	.00	.00	.00	2.45	.11	.08	.51	32	.00	.00	.00	.00	.00	.00	.00	.00	0.214
CpG 19	43	.00	.00	.00	.00	14.76	.58	.38	2.51	33	.00	.00	.00	.00	16.78	1.37	.59	3.36	0.076
CpG 20	43	.00	.00	.00	.00	.00	.00	.00	.00	32	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 21	43	.00	.00	1.34	.00	9.70	.82	.29	1.93	33	.00	.00	1.58	.00	10.88	1.08	.39	2.25	0.545
CpG 22	33	.00	.00	.00	.00	2.47	.13	.09	.53	25	.00	.00	.00	.00	.00	.00	.00	.00	0.214
CpG 23	34	.00	.00	.00	.00	.00	.00	.00	.00	28	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 24	34	.00	.00	.00	.00	7.30	.28	.22	1.30	28	.00	.00	.00	.00	.00	.00	.00	.00	0.196
CpG 25	34	.00	.00	.00	.00	.00	.00	.00	.00	28	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 26	35	.00	.00	.00	.00	.00	.00	.00	.00	28	.00	.00	.00	.00	2.51	.09	.09	.47	0.264
CpG 27	35	.00	.00	.00	.00	.00	.00	.00	.00	29	.00	.00	.00	.00	16.74	.58	.58	3.11	0.272
CpG 28	35	.00	.00	.00	.00	.00	.00	.00	.00	29	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 29	35	.00	.00	.00	.00	.00	.00	.00	.00	29	.00	.00	.00	.00	7.86	.27	.27	1.46	0.272
CpG 30	40	.00	.00	.00	.00	1.81	.05	.05	.29	29	.00	.00	.00	.00	2.34	.15	.10	.56	0.362
CpG 31	38	.00	.00	.00	.00	2.10	.06	.06	.34	24	.00	.00	.00	.00	2.21	.25	.14	.67	0.123
CpG 32	13	.00	.00	.00	.00	.00	.00	.00	.00	15	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 33§	44	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	3.19	.27	.15	.85	0.036*
CpG 34	43	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	2.23	.14	.09	.53	0.094
CpG 35	44	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 36	44	.00	.00	.00	.00	10.65	.55	.27	1.77	31	.00	.00	.00	.00	3.11	.30	.15	.81	0.720
CpG 37	46	.00	.00	.00	.00	4.02	.21	.12	.81	32	.00	.00	.00	.00	3.27	.19	.13	.74	0.962
CpG 38	45	2.28	.00	2.70	.00	10.06	1.82	.30	2.00	36	2.56	.00	3.49	.00	7.34	2.28	.38	2.28	0.203
CpG 39	45	.00	.00	2.11	.00	9.06	1.24	.29	1.95	36	.94	.00	3.09	.00	9.44	1.84	.38	2.31	0.160
CpG 40	34	.00	.00	.00	.00	13.22	.71	.45	2.65	21	.00	.00	.00	.00	8.84	.98	.58	2.66	0.522
CpG 41	30	.00	.00	.00	.00	1.62	.05	.05	.30	22	.00	.00	.00	.00	.00	.00	.00	.00	0.392
CpG 42	35	2.21	.00	2.60	.00	4.93	1.50	.25	1.49	23	.00	.00	.00	.00	30.36	1.97	1.33	6.36	0.089
CpG 43	35	.00	.00	.00	.00	2.35	.07	.07	.40	23	.00	.00	.00	.00	3.13	.14	.14	.65	0.744
CpG 44	37	.00	.00	.00	.00	.00	.00	.00	.00	23	.00	.00	.00	.00	2.77	.22	.15	.72	0.070
CpG 45	37	.00	.00	.00	.00	5.65	.53	.19	1.17	24	.00	.00	.00	.00	3.43	.24	.17	.82	0.146
CpG 46	39	.00	.00	.00	.00	3.65	.12	.10	.60	25	.00	.00	.00	.00	3.92	.29	.20	1.01	0.623
CpG 47	39	.00	.00	.00	.00	2.97	.33	.11	.68	26	.00	.00	.00	.00	4.83	.41	.22	1.11	0.618
Total meth.		.00	.00	.00	.00	20.51	.36	.04	1.64		.00	.00	.00	.00	30.36	.44	.06	1.90	0.793

D5 – 5<sup>th</sup> day of life; SEM – Standard error of mean; SD – Standard deviation; Total meth. – total methylation; <sup>a</sup>Mann-Whitney U test; \*statistically significant difference between the groups; §percentage of methylation in preterm infants lower than in term infants.

# NR3C1 gene methylation and cortisol levels in preterm and healthy full-term infants in the first three months of life.

**Table S3.** Percentage of *NR3C1* gene methylation at **D30** - Exon 1F, CpG sites 8 to 47.

Sites	PRETERM INFANTS (n=42)									TERM INFANTS (n=35)									P <sup>a</sup>
	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	
CpG 8	41	.00	.00	.00	.00	.00	.00	.00	.00	30	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 9	41	.00	.00	.00	.00	.00	.00	.00	.00	30	.00	.00	.00	.00	1.86	.06	.06	.34	0.242
CpG 10	41	.00	.00	.00	.00	.00	.00	.00	.00	30	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 11	41	.00	.00	.00	.00	.00	.00	.00	.00	30	.00	.00	.00	.00	2.26	.08	.08	.41	0.242
CpG 12	41	.00	.00	2.16	.00	17.24	2.75	.77	4.94	30	.00	.00	2.89	.00	19.53	2.96	1.11	6.07	0.468
CpG 13	41	.00	.00	.00	.00	2.60	.27	.11	.68	30	.00	.00	1.77	.00	10.24	1.33	.49	2.70	0.074
CpG 14	13	.00	.00	.00	.00	.00	.00	.00	.00	25	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 15	17	.00	.00	.00	.00	.00	.00	.00	.00	26	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 16	23	.00	.00	.00	.00	.00	.00	.00	.00	26	.00	.00	.00	.00	5.52	.32	.23	1.19	0.179
CpG 17	35	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 18	35	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 19	35	.00	.00	.00	.00	6.19	.35	.24	1.43	31	.00	.00	.00	.00	9.97	1.32	.53	2.97	0.085
CpG 20	36	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 21§	36	.00	.00	.00	.00	6.70	.54	.25	1.47	31	.00	.00	6.92	.00	9.86	2.94	.67	3.72	<b>0.003*</b>
CpG 22	34	.00	.00	.00	.00	2.12	.11	.08	.46	12	.00	.00	.00	.00	.00	.00	.00	.00	0.396
CpG 23	34	.00	.00	.00	.00	.00	.00	.00	.00	12	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 24	34	.00	.00	.00	.00	.00	.00	.00	.00	11	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 25	32	.00	.00	.00	.00	.00	.00	.00	.00	12	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 26	34	.00	.00	.00	.00	.00	.00	.00	.00	12	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 27	34	.00	.00	.00	.00	.00	.00	.00	.00	12	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 28	34	.00	.00	.00	.00	1.60	.21	.09	.52	15	.00	.00	.00	.00	.00	.00	.00	.00	0.122
CpG 29	34	.00	.00	.00	.00	.00	.00	.00	.00	17	.00	.00	.00	.00	10.01	.59	.59	2.43	0.157
CpG 30	39	.00	.00	.00	.00	.00	.00	.00	.00	9	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 31	33	.00	.00	.00	.00	.00	.00	.00	.00	9	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 32	7	.00	.00	.00	.00	1.77	.25	.25	.67	9	.00	.00	.00	.00	2.87	.32	.32	.96	1.000
CpG 33	41	.00	.00	.00	.00	.00	.00	.00	.00	13	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 34	41	.00	.00	.00	.00	.00	.00	.00	.00	13	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 35	41	.00	.00	.00	.00	.00	.00	.00	.00	16	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 36§	41	.00	.00	.00	.00	4.24	.24	.14	.89	17	.00	.00	6.36	.00	16.87	3.78	1.46	6.01	<b>0.004*</b>
CpG 37§	39	.00	.00	.00	.00	2.42	.06	.06	.39	28	.00	.00	.00	.00	18.88	1.50	.77	4.05	<b>0.013*</b>
CpG 38§	40	2.38	.00	2.84	.00	6.45	1.70	.27	1.72	18	3.71	.00	5.67	.00	13.33	3.70	.93	3.96	<b>0.030*</b>
CpG 39	41	.00	.00	2.43	.00	3.83	1.12	.22	1.40	26	.00	.00	.00	.00	12.59	1.52	.68	3.46	0.335
CpG 40	27	.00	.00	.00	.00	2.49	.31	.15	.77	22	.00	.00	.00	.00	.00	.00	.00	.00	0.063
CpG 41	23	.00	.00	.00	.00	.00	.00	.00	.00	25	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 42#	27	.00	.00	2.46	.00	3.33	1.13	.25	1.32	25	.00	.00	.00	.00	2.80	.11	.11	.56	<b>0.001*</b>
CpG 43	25	.00	.00	.00	.00	1.19	.09	.06	.32	26	.00	.00	.00	.00	.00	.00	.00	.00	0.145
CpG 44	27	.00	.00	.00	.00	.89	.03	.03	.17	26	.00	.00	.00	.00	.00	.00	.00	.00	0.326
CpG 45#	27	.00	.00	.00	.00	2.48	.25	.12	.64	26	.00	.00	.00	.00	.00	.00	.00	.00	<b>0.043*</b>
CpG 46	29	.00	.00	.00	.00	.00	.00	.00	.00	27	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 47§	29	.00	.00	.94	.00	2.54	.42	.13	.70	27	.00	.00	.00	.00	9.94	.46	.38	1.95	<b>0.046*</b>
Total meth.		.00	.00	.00	.00	17.24	0.27	.03	1.21		.00	.00	.00	.00	19.53	.59	.08	2.33	0.760

D30 – 30<sup>th</sup> day of life; SEM – Standard error of mean; SD – Standard deviation; Total meth. – total methylation; <sup>a</sup>Mann-Whitney U test; \*statistically significant difference between the groups; #percentage of methylation in preterm infants higher than in term infants; §percentage of methylation in preterm infants lower than in term infants.

# NR3C1 gene methylation and cortisol levels in preterm and healthy full-term infants in the first three months of life.

**Table S4.** Percentage of NR3C1 gene methylation at the **Day of discharge for preterm and D90 for term newborns** - Exon 1F, CpG sites 8 to 47.

Sites	PRETERM INFANTS (n=34)									TERM INFANTS (n=35)									P <sup>a</sup>
	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	No.	Median	P25	P75	Minimum	Maximum	Mean	SEM	SD	
CpG 8	32	.00	.00	.00	.00	.00	.00	.00	.00	29	.00	.00	.00	.00	4.87	.17	.17	.90	0.294
CpG 9	32	.00	.00	.00	.00	.00	.00	.00	.00	29	.00	.00	.00	.00	4.14	.24	.17	.91	0.134
CpG 10	32	.00	.00	.00	.00	.00	.00	.00	.00	29	.00	.00	.00	.00	3.44	.23	.16	.87	0.134
CpG 11	32	.00	.00	.00	.00	.00	.00	.00	.00	29	.00	.00	.00	.00	3.34	.12	.12	.62	0.294
CpG 12	32	.00	.00	1.98	.00	3.11	.77	.20	1.11	30	.00	.00	3.15	.00	19.65	3.23	1.12	6.16	0.180
CpG 13	32	.00	.00	.74	.00	2.36	.46	.15	.83	30	.00	.00	.00	.00	14.65	.99	.51	2.78	0.800
CpG 14	11	.00	.00	.00	.00	1.65	.15	.15	.50	30	.00	.00	.00	.00	2.63	.09	.09	.48	0.805
CpG 15	14	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	2.73	.09	.09	.49	0.502
CpG 16	16	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	2.37	.08	.08	.43	0.472
CpG 17	32	.00	.00	.00	.00	2.14	.12	.09	.48	31	.00	.00	.00	.00	2.96	.17	.12	.66	0.922
CpG 18	32	.00	.00	.00	.00	2.97	.18	.13	.71	31	.00	.00	.00	.00	.00	.00	.00	.00	0.161
CpG 19	33	.00	.00	.00	.00	1.65	.08	.06	.34	31	.00	.00	.00	.00	16.70	.79	.56	3.11	0.535
CpG 20	33	.00	.00	.00	.00	.00	.00	.00	.00	31	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 21§	33	.00	.00	.00	.00	4.24	.59	.20	1.16	31	2.34	.00	4.59	.00	15.20	2.93	.71	3.97	0.004*
CpG 22	29	.00	.00	.00	.00	2.23	.27	.13	.70	18	.00	.00	.00	.00	.00	.00	.00	.00	0.104
CpG 23	28	.00	.00	.00	.00	2.15	.08	.08	.41	19	.00	.00	.00	.00	.00	.00	.00	.00	0.410
CpG 24	29	.00	.00	.00	.00	3.15	.28	.16	.84	19	.00	.00	.00	.00	.00	.00	.00	.00	0.152
CpG 25	29	.00	.00	.00	.00	.00	.00	.00	.00	19	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 26	29	.00	.00	.00	.00	.00	.00	.00	.00	20	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 27	29	.00	.00	.00	.00	.00	.00	.00	.00	21	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 28	29	.00	.00	.00	.00	1.42	.05	.05	.26	22	.00	.00	.00	.00	.00	.00	.00	.00	0.384
CpG 29	29	.00	.00	.00	.00	.00	.00	.00	.00	22	.00	.00	.00	.00	10.82	.49	.49	2.31	0.251
CpG 30	28	.00	.00	.00	.00	.00	.00	.00	.00	14	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 31	25	.00	.00	.00	.00	.00	.00	.00	.00	14	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 32	2	.00	.00	.00	.00	.00	.00	.00	.00	14	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 33	31	.00	.00	.00	.00	2.55	.08	.08	.46	14	.00	.00	.00	.00	.00	.00	.00	.00	0.502
CpG 34	31	.00	.00	.00	.00	.00	.00	.00	.00	14	.00	.00	.00	.00	4.00	.29	.29	1.07	0.137
CpG 35	31	.00	.00	.00	.00	.00	.00	.00	.00	15	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 36§	31	.00	.00	.00	.00	3.02	.25	.14	.80	15	.00	.00	3.77	.00	6.16	1.83	.64	2.47	0.008*
CpG 37	34	.00	.00	.00	.00	2.72	.11	.08	.49	25	.00	.00	.00	.00	19.30	1.23	.81	4.05	0.188
CpG 38	34	2.59	.00	3.01	.00	28.72	2.83	.82	4.76	18	4.25	.00	5.45	.00	10.63	4.02	.88	3.72	0.059
CpG 39	34	.00	.00	2.20	.00	3.98	1.14	.22	1.31	21	.00	.00	.00	.00	5.19	.76	.33	1.51	0.194
CpG 40	30	.00	.00	.00	.00	3.02	.24	.13	.74	23	.00	.00	.00	.00	.00	.00	.00	.00	0.122
CpG 41	25	.00	.00	.00	.00	.00	.00	.00	.00	23	.00	.00	.00	.00	.00	.00	.00	.00	1.000
CpG 42#	33	2.03	.00	2.56	.00	4.76	1.44	.25	1.42	20	.00	.00	.00	.00	2.22	.31	.17	.75	0.002*
CpG 43	32	.00	.00	.00	.00	.99	.03	.03	.18	20	.00	.00	.00	.00	.00	.00	.00	.00	0.429
CpG 44	33	.00	.00	.00	.00	.89	.03	.03	.15	20	.00	.00	.00	.00	.00	.00	.00	.00	0.436
CpG 45	33	.00	.00	.00	.00	1.73	.17	.08	.48	20	.00	.00	.00	.00	1.55	.08	.08	.35	0.416
CpG 46	33	.00	.00	.00	.00	1.45	.04	.04	.25	20	.00	.00	.00	.00	.00	.00	.00	.00	0.436
CpG 47	33	.00	.00	1.11	.00	2.11	.45	.12	.67	20	.00	.00	.00	.00	7.24	.94	.49	2.17	0.595
Total meth.		.00	.00	.00	.00	28.72	.28	.03	1.12		.00	.00	.00	.00	19.65	.51	.07	2.09	0.450

D90 – 90th day of life; SEM – Standard error of mean; SD – Standard deviation; Total meth. – total methylation; <sup>a</sup>Mann-Whitney U test; \*statistically significant difference between the groups.  
#percentage of methylation in preterm infants higher than in term infants; §percentage of methylation in preterm infants lower than in term infants.