

Table S1. Descriptive characteristics of the study simple and the excluded sample.

Variables		TOTAL N = 1095		EXCLUDED N = 1055		p
		N (%)	Mean(SD)	N (%)	Mean(SD)	
<i>Child characteristics</i>						
Sex	Female	540 (49.32)		441 (41.8)		0,551
	Male	555 (50.68)		480 (45.5)		
	Missing	0 (0)		134 (12.7)		
Preterm	No	1046 (95.53)		869 (82.4)		0,171
	Yes	41 (3.74)		47 (4.45)		
	Missing	8 (0.73)		139 (13.2)		
Sibling order	Not first	478 (43.65)		553 (52.42)		0,304
	First	617 (56.35)		472 (44.74)		
	Missing	0 (0)		30 (2.84)		
Lives with mother/father	Both	1053 (96.16)		715 (67.77)		0,3844
	Only one	15 (1.37)		15 (1.42)		
	Missing	27 (2.47)		325 (30.81)		
Number of people who lives with	Missing	27 (2.47)	2.57 (0.76)	325 (30.81)	2.70 (0.98)	0,004
Breastfeeding	Missing	14 (1.28)	26.6 (19.82)	283 (26.82)	24.9 (20.1)	0,065
Hg (µg/l) in umbilical cord	Missing	247 (22.5)	10.77 (8.65)	357 (33.84)	9.79 (8.52)	0,026
<i>Maternal characteristics</i>						
Ferritin level (log scale)	Missing	0 (0)	3.32 (0.75)	196 (18.58)	3.29 (0.75)	
Maternal blood collection week	Missing	2 (0.18)	11.57 (3.58)	68 (6.45)	12.69 (7.01)	<0.001
Alcohol intake during pregnancy	Missing	0 (0)	0.33 (0.98)	20 (2.75)	0.37 (1.19)	0,46
Pre-pregnancy BMI	Missing	0 (0)	23.57 (4.29)	31 (2.94)	23.4 (4.36)	0,5
Age	Missing	1 (0.09)	30.92 (3.94)	0 (0)	29.8 (4.74)	<0.001
Mental health (14 months after birth)	Missing	405 (36.99)	9.64 (3.72)	730 (69.19)	9.95 (4.39)	0,249
Parity	Missing	2 (0.18)	0.51 (0.64)	30 (2.84)	0.56 (0.71)	0,061
Smoking during pregnancy	No	912 (83.29)		730 (69.2)		0,082
	Yes	167 (15.25)		166 (15.7)		
	Missing	16 (1.46)		159 (15.1)		
Country of birth	Spain	1025 (93.61)		795 (75.36)		<0.001
	Other	68 (6.21)		117 (11.1)		
	Missing	2 (0.18)		143 (13.6)		
Social class	Non manual	594 (54.25)		379 (35.9)		<0.001
	Manual	501 (45.75)		539 (51.1)		
	Missing	0 (0)		137 (13.0)		
Education level	Primary	228 (20.82)		335 (31.8)		<0.001
	Secondary	461 (42.1)		401 (38.0)		
	University	402 (36.71)		289 (27.4)		
	Missing	4 (0.37)		30 (2.84)		

* One-way ANOVA for mean differences and Chi squared test for categorical variables.