

Supplementary Table 1: Maternal and infant characteristics between children included or not in the analysis.

	Not included	Included	
	N=455	N=1452	p
Centre (Nancy)	225 (49.5)	740 (51)	0,57
Male gender	233 (51.7)	767 (52.8)	0,67
Length of gestation (weeks)	39.1 ± 0.08	39.26 ± 0.05	0,076
Birth weight z-score (Gardosi)	-0.09 ± 0.05	-0.02 ± 0.03	0,26
Maternal age at delivery (years)	28.63 ± 0.23	29.75 ± 0.13	<.0001
Hospitalisation during pregnancy (days)	1.37 ± 0.21	1.33 ± 0.12	0,85
Duration of breastfeeding (months)	2.54 ± 0.17	3.4 ± 0.09	<.0001
Maternal alcohol intake during pregnancy	196 (43.6)	642 (44.2)	0,81
Maternal smoking during pregnancy (cigarettes/day):			
0	256 (56.9)	1113 (76.7)	<.0001
1-9	152 (33.8)	287 (19.8)	.
≥ 10	42 (9.3)	52 (3.6)	.
Parental education* (years):			
≤ 12	233 (51.4)	558 (38.4)	<.0001
> 12	220 (48.6)	894 (61.6)	.

Numbers are N (%) or m ± sd

*Calculated as the average of father's and mother's years of education

Supplementary Table 2: Maternal and infant characteristics according to score of motor ability assessed by the midwife.

		Low score	Others		
		N=115	N=1337	p	
Centre (Nancy)		49 (42.6)	691 (51.7)	0.062	
Male gender		53 (46.1)	714 (53.4)	0.13	
Exact age of the child at examination (days)		366.7 ± 1.1	370.4 ± 0.3	0.001	
Length of gestation (weeks)		38.8 ± 0.2	39.3 ± 0	0.0008	
Birth weight z-score (Gardosi)		-0.2 ± 0.1	0 ± 0	0.096	
Maternal age at delivery (years)		29.8 ± 0.4	29.7 ± 0.1	0.93	
Hospitalisation during pregnancy (days)		2.3 ± 0.4	1.2 ± 0.1	0.014	
Duration of breastfeeding (months)		2.9 ± 0.4	3.4 ± 0.1	0.16	
Main mode of day care :	Nursery	22 (19.1)	147 (11)	0.024	
	Other	46 (40)	560 (41.9)	.	
	Family	5 (4.3)	131 (9.8)	.	
	Mother	42 (36.5)	499 (37.3)	.	
Maternal EPDS depression score at 1 year:					
	Unknown	6(5.2)	98 (7.3)	0.21	
	< 10	98(85.2)	1046 (78.2)	.	
	≥ 10	11 (9.6)	193 (14.4)	.	
Maternal alcohol intake during pregnancy (yes)		51 (44.3)	591 (44.2)	0.98	
Maternal smoking during pregnancy (cigarettes/day):		90 (78.3)	1023 (76.5)	0.91	
	0				
	1-9	21 (18.3)	266 (19.9)	.	
	≥ 10	4 (3.5)	48 (3.6)	.	
Parental education* (years):		> 12	68 (59.1)	826 (61.8)	0.57

Numbers are N (%) or m ± SD

*Calculated as the average of father's and mother's years of education

Supplementary Table 3: Maternal and infant characteristics according to score of motor ability assessed by asking the mother.

	Low score	Others	
	N=366	N=1086	p
Centre (Nancy)	168 (45.9)	572 (52.7)	0.025
Male gender	179 (48.9)	588 (54.1)	0.083
Exact age of the child at examination (days)	367.8 ± 0.6	370.9 ± 0.4	<.0001
Length of gestation (weeks)	38.9 ± 0.1	39.4 ± 0.1	<.0001
Birth weight z-score (Gardosi)	-0.1 ± 0.1	0 ± 0	0.24
Maternal age at delivery (years)	30.3 ± 0.3	29.6 ± 0.1	0.014
Hospitalisation during pregnancy (days)	1.9 ± 0.2	1.1 ± 0.1	0.006
Duration of breastfeeding (months)	3 ± 0.2	3.5 ± 0.1	0.014
Main mode of day care :			
Nursery	52 (14.2)	117 (10.8)	0.009
Other	165 (45.1)	441 (40.6)	.
Family	21 (5.7)	115 (10.6)	.
Mother	128 (35)	413 (38)	.
Maternal EPDS depression score at 1 year:			
Unknown	20 (5.5)	84 (7.7)	0.34
< 10	295 (80.6)	849 (78.2)	.
≥ 10	51 (13.9)	153 (14.1)	.
Maternal alcohol intake during pregnancy (yes)	170 (46.4)	472 (43.5)	0.32
Maternal smoking during pregnancy (cigarettes/day):			
0	280 (76.5)	833 (76.7)	0.99
1-9	73 (19.9)	214 (19.7)	.
≥ 10	13 (3.6)	39 (3.6)	.
Parental education* (years):			
> 12	225 (61.5)	669 (61.6)	0.97

Numbers are N (%) or m ± SD

*Calculated as the average of father's and mother's years of education

Supplementary Table 4: Maternal and infant characteristics according to score of coordination assessed by questioning the mother.

		Low score	Others	
		N=140	N=1312	p
Centre (Nancy)		74 (52.9)	666 (50.8)	0.64
Male gender		73 (52.1)	694 (52.9)	0.87
Exact age of the child at examination (days)		369.2 ± 1	370.2 ± 0.3	0.32
Length of gestation (weeks)		38.6 ± 0.1	39.3 ± 0	<.0001
Birth weight z-score (Gardosi)		0 ± 0.1	0 ± 0	0.81
Maternal age at delivery (years)		30.4 ± 0.4	29.7 ± 0.1	0.11
Hospitalisation during pregnancy (days)		2 ± 0.4	1.3 ± 0.1	0.07
Duration of breastfeeding (months)		3.2 ± 0.3	3.4 ± 0.1	0.47
Main mode of day care:	Nursery	19 (13.6)	150 (11.4)	0.80
	Other	60 (42.9)	546 (41.6)	.
	Family	11 (7.9)	125 (9.5)	.
	Mother	50 (35.7)	491 (37.4)	.
Maternal EPDS depression score at 1 year:				
	Unknown	9 (6.4)	95 (7.2)	0.03
	< 10	101 (72.1)	1043 (79.5)	.
	≥ 10	30 (21.4)	174 (13.3)	.
Maternal alcohol intake during pregnancy (yes)		71 (50.7)	571 (43.5)	0.10
Maternal smoking during pregnancy (cigarettes/day):				
	0	113 (80.7)	1000 (76.2)	0.17
	1-9	20 (14.3)	267 (20.4)	.
	≥ 10	7 (5)	45 (3.4)	.
Parental education* (years):				
	> 12	91 (65)	803 (61.2)	0.38

Numbers are N (%) or m ± SD

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Supplementary Table 5: Maternal and infant characteristics according to score of language assessed by the midwife.

		Low score	Others	
		N=440	N=1012	p
Centre (Nancy)		129 (29.3)	611 (60.4)	<.0001
Male gender		239 (54.3)	528 (52.2)	0.45
Exact age of the child at examination (days)		367.9 ± 0.6	371.1 ± 0.4	<.0001
Length of gestation (weeks)		39.2 ± 0.1	39.3 ± 0.1	0.28
Birth weight z-score (Gardosi)		-0.1 ± 0.1	0 ± 0	0.37
Maternal age at delivery (years)		29.8 ± 0.2	29.7 ± 0.2	0.86
Hospitalisation during pregnancy (days)		1.3 ± 0.2	1.4 ± 0.1	0.69
Duration of breastfeeding (months)		3.1 ± 0.2	3.5 ± 0.1	0.033
Main mode of day care :	Nursery	44 (10)	125 (12.4)	0.005
	Other	173 (39.3)	433 (42.8)	.
	Family	31 (7)	105 (10.4)	.
	Mother	192 (43.6)	349 (34.5)	.
Maternal EPDS depression score at 1 year:				
	Unknown	43 (9.8)	6 (61)	0.04
	< 10	337 (76.6)	807 (79.7)	.
	≥ 10	60 (13.6)	144 (14.2)	.
Maternal alcohol intake during pregnancy (yes)		210 (47.7)	432 (42.7)	0.076
Maternal smoking during pregnancy (cigarettes/day):		337 (76.6)	776 (76.7)	0.77
	0			
	1-9	85 (19.3)	202 (20)	.
	≥ 10	18 (4.1)	34 (3.4)	.
Parental education* (years):				
	> 12	250 (56)	644 (63.6)	0.014

Numbers are N (%) or m ± SD

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Supplementary Table 6: Maternal and infant characteristics according to score of language assessed by questioning the mother.

	Low score	Others	
	N=319	N=1133	p
Centre (Nancy)	84 (26.3)	656 (57.9)	<.0001
Male gender	195 (61.1)	572 (50.5)	0.0008
Exact age of the child at examination (days)	368.3 ± 0.6	370.7 ± 0.3	0.001
Length of gestation (weeks)	39.2 ± 0.1	39.3 ± 0.1	0.59
Birth weight z-score (Gardosi)	-0.1 ± 0.1	0 ± 0	0.27
Maternal age at delivery (years)	30.8 ± 0.3	29.5 ± 0.1	<.0001
Hospitalisation during pregnancy (days)	1.2 ± 0.3	1.3 ± 0.1	0.73
Duration of breastfeeding (months)	3.2 ± 0.2	3.5 ± 0.1	0.23
Main mode of day care :			
Nursery	34 (10.7)	135 (11.9)	0.23
Other	148 (46.4)	458 (40.4)	.
Family	24 (7.5)	112 (9.9)	.
Mother	113 (35.4)	428 (37.8)	.
Maternal EPDS depression score at 1 year:			
Unknown	29 (9.1)	75 (6.6)	0.31
< 10	247 (77.4)	897 (79.2)	.
≥ 10	43 (13.5)	161 (14.2)	.
Maternal alcohol intake during pregnancy (yes)	182 (57.1)	460 (40.6)	<.0001
Maternal smoking during pregnancy (cigarettes/day):			
0	260 (81.5)	853 (75.3)	0.063
1-9	51 (16)	236 (20.8)	.
≥ 10	8 (2.5)	44 (3.9)	.
Parental education* (years):			
> 12	207 (64.9)	687 (60.6)	0.168

Numbers are N (%) or m ± SD

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