

## Supplemental Material

**Table E1.** General characteristics of the subjects included into the present analyses and rest of the original cohort.

	Present in the analyses	Rest of the original cohort
	%	%
Female	50 %	48 %
Maternal smoking during pregnancy, Yes	14 %	16 %
Professional farming during infancy, Yes	23 %	18 %
Maternal age over 30 at birth	33 %	30 %
Pre pregnancy maternal BMI (mean (kg/m <sup>2</sup> ))^	23.2	23.0

^BMI body mass index (kg/m<sup>2</sup>) has been reported as mean value.

**Table E2.** Description of the study population stratified by professional farming during infancy.

		Professional farming			
		No		Yes	
		N	%	N	%
<i>Characteristics of the study population</i>	<b>Sex, Male</b>	2 137	50.3	609	48.3
	Female	2 110	49.7	653	51.7
	<b>Gestational age (weeks), ≤36</b>	200	4.7	51	4.1
	37-39	1 052	24.8	360	28.5
	40-41	2 051	48.3	571	45.2
	≥42	809	19.0	229	18.1
	missing information	135	3.2	51	4.1
	<b>Birth height (cm), ≤48</b>	729	17.2	178	14.1
	49	598	14.1	176	13.9
	50	915	21.6	296	23.5
	51	826	19.4	245	19.4
	≥52	1 143	26.9	354	28.1
	missing information	36	0.8	13	1.0
	<b>High school graduated (education), Yes</b>	1 723	40.5	363	28.8
	No	2 474	58.3	891	70.6
	missing information	50	1.2	8	0.6
	<b>BMI at the age of 31 y, mean (kg/m<sup>2</sup>)<sup>^</sup></b>	4 245	24.6	1 261	25.0
missing information	2	0.05	1	0.08	
<i>Maternal factors</i>	<b>Parity, 0</b>	1 537	36.2	191	15.1
	1	1 081	25.4	202	16.0
	2-3	1 072	25.2	350	27.7
	> 3	546	12.9	517	41.0
	missing information	11	0.3	2	0.2
	<b>Maternal age at menarche (years), ≤ 12</b>	611	14.3	115	9.1
	13	990	23.3	236	18.7
	14	1 129	26.6	326	25.8
	15	894	21.1	304	24.1
	≥ 16	544	12.8	256	20.3
	missing information	79	1.9	25	2.0
	<b>Maternal age (years), ≤ 20</b>	572	13.5	69	5.5
	21-30	2 492	58.6	503	39.8
	31-40	1 022	24.1	545	43.2
	≥41	139	3.3	136	10.8
	missing information	22	0.5	9	0.7
	<b>Maternal education, 0-8 years</b>	2 648	62.4	992	78.6
	Vocational	758	17.8	227	18.0
	Over 8 years	752	17.7	38	3.0
	missing information	89	2.1	5	0.4
	<b>Smoking during pregnancy, Non smoker</b>	3 221	75.8	1 087	86.1
	Not during pregnancy	280	6.6	46	3.6
	Yes	652	15.4	103	8.2
missing information	94	2.2	26	2.1	
<b>Pre pregnancy maternal BMI, mean (kg/m<sup>2</sup>)<sup>^</sup></b>	3 912	22.9	1 112	24.4	
missing information	335	7.9	150	11.9	
<i>Childhood factors</i>					
<b>Place of residence, Town</b>	1 779	41.9	34	2.7	
Village	1 212	28.5	163	12.9	
Outlying districts	1 256	29.6	1 065	84.4	
<b>Residential density (occupants/rooms), &lt; 1</b>	447	10.5	54	4.3	
1-2	2 034	47.9	571	45.3	
>2	1 540	36.3	591	46.8	
missing information	226	5.3	46	3.6	

Table E2 continues		Professional farming			
		No		Yes	
		N	%	N	%
<i>Parental history of allergic diseases</i>	<b>Maternal asthma, yes</b>	382	9.0	169	13.4
	No	3 536	83.3	986	78.1
	missing information	329	7.7	107	8.5
	<b>Maternal allergy, yes</b>	683	16.1	205	16.2
	No	3 061	72.1	916	72.6
	missing information	503	11.8	141	11.2
	<b>Paternal asthma, yes</b>	286	6.7	153	12.1
	No	3 562	83.9	997	79.0
	missing information	399	9.4	112	8.9
	<b>Paternal allergy, yes</b>	462	10.9	140	11.1
	No	3 237	76.2	963	76.3
	missing information	548	12.9	159	12.6

^BMI body mass index (kg/m<sup>2</sup>) has been reported as mean value.