Supplemental Material

Table S1. Backward multiple linear regression analysis with BMI at birth as the outcome variable (first[§] and final models).

Model[§]	β-coefficient	*P*-value	R^2
Maternal age [year]	-0.062	0.741	
Group	-0.100	0.655	
Pre-pregnancy BMI [kg/m²]	-0.256	0.500	
Realtive weight gain during pregnancy [%]	-0.095	0.683	
Upper arm fat area at T1 [cm²]	1.163	0.009	
Upper arm fat area at T3 [cm²]	-0.721	0.083	0.229
Leptin level at T1 [pg/mL]	0.144	0.655	
Leptin level at T2 [pg/mL]	-0.203	0.368	
Leptin level at T3 [pg/mL]	0.302	0.264	
Resistin level at T1 [pg/mL]	0.035	0.894	
Resistin level at T2 [pg/mL]	-0.456	0.104	
Resistin level at T3 [pg/mL]	0.127	0.508	
Upper arm fat area at T1 [cm²]	1.016	≤0.001	
Upper arm fat area at T3 [cm²]	-0.601	0.019	0.332
Resistin level at T2 [pg/mL]	-0.315	0.023	

(Model 1 for the first group of rows; Model 10 for the last three rows.)

[§]Due to multicollinearity "Upper arm fat area at T2 and Upper arm fat-free area at T1/T2/T3" was excluded from analysis. Abbreviations: BMI = body mass index; T1, T2, and T3 represent around 14, 24, and 36 weeks of gestation, respectively

Table S2. Backward multiple linear regression analysis with BMI at one year of age as the outcome variable (first[§] and final models).

Model[§]	β-coefficient	*P*-value	R²
Maternal age [year]	0.113	0.590	
Group	-0.082	0.739	
Realtive weight gain during pregnancy [%]	-0.025	0.929	
Upper arm fat-free area at T1 [cm²]	-0.201	0.558	
Upper arm fat-free area at T2 [cm²]	-0.194	0.542	
Upper arm fat-free area at T3 [cm²]	0.609	0.092	
1 Leptin level at T1 [pg/mL]	-0.071	0.828	-0.006
Leptin level at T2 [pg/mL]	0.102	0.691	
Leptin level at T3 [pg/mL]	0.041	0.909	
Resistin level at T1 [pg/mL]	-0.409	0.175	
Resistin level at T2 [pg/mL]	0.721	0.050	
Resistin level at T3 [pg/mL]	-0.175	0.465	
BMI-SDS at birth	0.098	0.612	
Upper arm fat-free area at T1 [cm²]	-0.323	0.094	
10 Upper arm fat-free area at T3 [cm²]	0.534	0.011	0.198
Resistin level at T1 [pg/mL]	-0.382	0.097	
Resistin level at T2 [pg/mL]	0.585	0.012	

§ Due to multicollinearity "Pre-pregnancy BMI and Upper arm fat area at T1/T2/T3" was excluded from analysis.
Abbreviations: BMI = body mass index; T1, T2, and T3 represent around 14, 24, and 36 weeks of gestation, respectively