**Supplementary Table 2a.** General linear regression analyses for the associations between weight trajectories from birth to 5 years of age, and appetitive traits at age 7, among mothers with underweight before pregnancy (n=144).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Food avoidant traits** | | | | | | | | |
|  | **Satiety Responsiveness** | | | **Slowness in Eating** | | **Food Fussiness** | | **Emotional Undereating** | |
| **β (95%CI)\*** | | | | | | | | | |
| **Model 1** | **Model 2** | | **Model 1** | **Model 2** | **Model 1** | **Model 2** | **Model 1** | **Model 2** | |
| **Normal weight gain** | ref. | ref. | | ref. | ref. | ref. | ref. | ref. | ref. | |
| **Weight gain during infancy** | -0.54  (-1.26; 0.16) | -0.48  (-1.22; 0.16) | | -0.52  (-1.44; 0.40) | -0.41  (-1.35; 0.54) | -0.45  (-1.27; 0.38) | -0.50  (-1.35; 0.35) | -0.02  (-0.87; 0.90) | -0.05  (-0.97; 0.86) | |
| **Weight gain during childhood** | **-0.61**  **(-1.15; -0.06)** | -0.56  (-1.13; 0.01) | | -0.55  (-1.26; 0.16) | -0.46  (-1.20; 0.27) | -0.39  (-1.03; 0.24) | -0.43  (-1.09; 0.22) | -0.35  (-1.04; 0.34) | -0.41  (1.12; 0.30) | |
| **Persistent weight gain** | (-0.21  (-0.74; 0.32) | -0.17  (0.72; 0.38) | | -0.27  (-0.95; 0.42) | -0.18  (-0.89; 0.22) | -0.43  (-1.05; 0.18) | -0.47  (-1.10; 0.16) | -0.03  (-0.60; 0.63) | -0.09  (-0.77; 0.59) | |
|  | **Food approach traits** | | | | | | | | |
|  | **Desire to Drink** | | **Food Responsiveness** | | | **Enjoyment of Food** | | **Emotional Overeating** | |
|  | **Model 1** | **Model 2** | | **Model 1** | **Model 2** | **Model 1** | **Model 2** | **Model 1** | **Model 2** | |
| **Normal weight gain** | ref. | ref. | | ref. | ref. | ref. | ref. | ref. | ref. | |
| **Weight gain during infancy** | 0.02  (-0.81; 0.86) | -0.02  (-0.85; 0.89) | | **1.06**  **(0.34; 1.76)** | **0.95**  **(0.22; 1.68)** | 0.76  (-0.09; 1.60) | 0.71  (-0.17; 1.58) | 0.36  (-0.25; 0.97) | 0.24  (-0.38; 0.86) | |
| **Weight gain during childhood** | -0.23  (-0.88; 0.42) | -0.24  (-0.91; 0.44) | | 0.13  (-0.41; 0.68) | 0.05  (-0.51; 0.62) | 0.52  (-0.14; 1.17) | 0.47  (-0.20; 1.15) | -0.28  (-0.75; 0.19) | -0.37  (-0.85; 0.11) | |
| **Persistent weight gain** | 0.27  (-0.36; 0.90) | 0.27  (-0.38; 0.91) | | 0.33  (-0.20; 0.86) | 0.26  (-0.29; 0.80) | 0.47  (-0.16; 1.10) | 0.43  (-0.22; 1.08) | 0.19  (-0.26; 0.64) | 0.10  (-0.36; 0.56) | |

\*Confidence interval (CI) with Bonferroni correction. Model 1 is adjusted for maternal smoking during pregnancy, age and education, child sex and prematurity; Model 2 is adjusted for Model 1 plus child height at 7y. Bold values are statistically significant (p≤0.006).