**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).