**Supplemental Table 1.** Comparison of Weight trajectory Group 1 (High Weight gain) versus Group 2 (Stable Weight) responses on Dietary Screener Questionnaire (DSQ), Food-Related Problem Questionnaire (FRPQ), and Spence Children's Anxiety Scale (SCAS).

| DSQ Variables | Mean (SD) Group 1 | Mean (SD) Group 2 |
|---|---|---|
| Vegetables (cup equivalents/day)^ | 1.3 (.4) | 1.4 (0.3) |
| Fruits (cup equivalents/day)^ | 0.9 (0.4) | 0.9 (0.3) |
| Dairy (cup equivalents/day) ^ | 2.2 (0.9) | 1.9 (0.9) |
| Total added sugar (teaspoon equivalents/day)^ | 16.8 (8.2) | 18.2 (8.7) |
| Sweetened beverages (teaspoon equivalents/day)^ | 8.2 (8.3) | 9.2 (9.2) |
| Whole grains (ounce equivalents/day)^ | 0.9 (0.4) | 0.7 (0.4) |
| Dietary Fiber (grams/day)^ | 16.2(3.1) | 15.8 (3.1) |
| Calcium (milligrams/day)^ | 1078.0 (251.4) | 1022.5 (310.2) |
| **FRPQ Subscales** | **Median (range) Group 1** | **Median (range) Group 2** |
| Food Preoccupation~ | 2 (1-4) | 1 (0-6) |
| Impairment of Satiety ~ | 4 (2-7) | 3 (1-4) |
| Takes and stores food ~ ** | 3 (1-5) | 0 (0-6) |
| **SCAS Total and Subscales** | **Median (range) Group 1** | **Median (range) Group 2** |
| OCD ^ | 1.00 (0.00-4.00) | 1.00 (0.00-13.00) |
| Panic/ Agoraphobia^ | 3.00 (1.00-7.00) | 1.50 (0.00-10.00) |
| Separation^ | 3.00 (0.00-8.00) | 2.00 (0.00-10.00) |
| Physical Injury ^ | 3.00 (0.00-11.00) | 3.50 (0.00-13.00) |
| Social Phobia ^ | 3.00 (0.00-11.00) | 3.00 (0.00-11.00) |
| Generalized^ | 6.00 (2.00-11.00) | 5.50 (0.00-9.00) |
| Total Anxiety Score ^ | 19.00 (4.00-38.00) | 17.50 (0.00-47.00) |

*^p-values based on independent samples t-test*

*~p-values based on Mann-Whitney U nonparametric test*

* *Male vs Female *p<.005; p*-values are generated by use of Kruskal-Wallis equality-of-populations

rank sum tests for continuous variables and chi square tests for categorical variables.

DSQ = Dietary Screener Questionnaire
FRPQ = Food-Related Problem Questionnaire
SCAS = Spence Children's Anxiety Scale

**Supplemental Figure 1.** Individual weight points collected at least 6 months apart on subjects with WS (N = 41). Group 1 (N = 13), panel on left, shows adults with high weight gain during period of available data; Group 2 (N=17), panel on right, shows those with more stable weight over time; and Group 3 (N = 11) are those unable to be classified into Group 1 or 2.

**Supplemental Figure 1.**