**Table S1 Multiple linear regression analysis of birth weight1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Β* | *S.E.* | β | t | *P* |
| infant sex | 0.084 | 0.038 | 0.104 | 2.191 | 0.029 |
| gestational age | 85.147 | 14.788 | 0.259 | 5.758 | ＜0.001 |
| parity | 120.396 | 33.582 | 0.169 | 3.585 | ＜0.001 |
| maternal pre-pregnancy BMI | 40.410 | 13.703 | 0.125 | 2.949 | 0.003 |
| maternal weight gain during pregnancy | 30.397 | 4.058 | 0.347 | 7.590 | ＜0.001 |
| The FDP pattern scores | 52.116 | 16.626 | 0.145 | 3.135 | 0.002 |
| The TE pattern scores | -26.026 | 14.022 | -0.079 | -1.856 | 0.044 |

1 FDP, the fruits, dairy and poultry pattern; TE, the tubers and eggs pattern. Stepwise method was used in the analysis. Inclusion criteria were 0.05 and exclusion criteria were 0.10. Ajusted for: maternal energy intake during pregnancy, age at conception, pre-pregnancy BMI, weight gain during pregnancy, father’ BMI, family income, delivery, gestational age, parity, and infant sex.

**Table S2 Comparison of nutrient intakes of the 4 dietary patterns (m**ean (SD) )**1**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | The FDP | The VBP | The FS | The TE | F/χ2 | *P* |
|  | *n* =118 | *n* =100 | *n* =122 | *n* =128 |
| Energy (kJ) | | 2200.1(462.3) | 2510.1±497.0)a | 2367.5(485.4)ab | 2239.7(476.8)bc | 9.054 | **＜.001** |
| Protein (g) | | 91.1±23.3) | 105.4(25.6)a | 94.0(24.9)b | 88.2(21.1)b | 10.704 | **＜.001** |
| Fat (g) | | 63.4(21.2) | 73.1(27.1)a | 58.3(19.2)b | 58.7(20.0)b | 10.377 | **＜.001** |
| Carbohydrate (g) | | 326.7(86.0) | 371.9(88.8)a | 347.0(106.5)a | 377.4(96.0)c | 6.805 | **＜.001** |
| Protein(% energy) | | 16.7(2.80) | 16.9(2.6) | 16.1(3.6)ab | 16.0(2.9)ab | 2.638 | **0.049** |
| Fat (% energy) | | 26.0(6.6) | 26.0(7.6) | 22.5(6.8)ab | 23.8(5.9)ab | 6.651 | **＜.001** |
| Carbohydrates (% energy) | | 59.3(7.7) | 59.4(8.6) | 63.2(8.8)ab | 61.7(8.4)ab | 6.830 | **＜.001** |
| Fibre (g) | | 12.3(4.5) | 15.1(5.2)a | 11.7(3.9)b | 10.2(3.2)abc | 26.484 | **＜.001** |
| SFA (g) | | 15.2(5.2) | 16.2(6.2) | 12.8(6.2)ab | 13.5(5.2)ab | 8.375 | **＜.001** |
| MUFA (g) | | 23.1(8.6) | 30.1(11.8)a | 23.3(10.9)b | 24.0(9.5)b | 10.760 | **＜.001** |
| PUFA (g) | | 14.4(6.6) | 20.9(11.4)a | 13.0(7.2)b | 14.2(7.0)b | 19.930 | **＜.001** |
| n-3PUFA (g) | | 1.3(0.9) | 2.3(1.5)a | 1.5(1.0)b | 1.4(1.0)b | 18.003 | **＜.001** |
| n-6PUFA (g) | | 13.0(5.9) | 18.495.2)a | 11.4(6.5)b | 12.7(6.3)b | 19.348 | **＜.001** |
| Ca (mg) | | 684.3(301.2) | 685.19(354.1) | 641.7(276.6) | 504.9(217.8)abc | 11.051 | **＜.001** |
| Fe (mg) | | 23.2(10.6) | 29.1(10.5)a | 24.2(8.8)b | 22.1(6.7)b | 12.025 | **＜.001** |
| Zn (mg) | | 13.7(5.0) | 17.1(4.9)a | 15.1(4.3)b | 14.0(3.4)b | 13.464 | **＜.001** |
| Vit A (μg RE) | | 1008.4(749.8) | 1178.1(969.4) | 1000.4(927.4) | 894.5(757.4) | 1.931 | 0.124 |
| Vit E (mg) | | 15.7(6.8) | 19.6(8.8)a | 14.9(6.1)b | 15.5(8.9)b | 8.398 | **＜.001** |
| Vit B1 (mg) | | 1.35(0.65) | 1.68(0.56)a | 1.41(0.67)b | 1.27(0.42)b | 9.909 | **＜.001** |
| Vit B2 (mg) | | 1.34(0.59) | 1.42(0.75) | 1.21(0.54)b | 1.13(0.40)ab | 5.953 | **0.001** |
| Niacin (mg) | | 19.89(6.62) | 24.47(7.36)a | 21.49(7.07)b | 19.80(5.51)bc | 11.336 | **＜.001** |
| Vit C (mg) | | 130.9(72.3) | 152.2(75.0)a | 138.9(70.6) | 100.7(59.1)abc | 11.538 | **＜.001** |

1FDP, the fruits, dairy and poultry pattern; VBP, the vegetables, beans and pork pattern; FS, the fish and soup pattern; TE, the tubers and eggs pattern

.acompare to the FDP ,*P*＜0.05；bcompare to the VBP, *P*＜0.05；ccompare to the FS, *P*＜0.05