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| **Table S1.** Generalized Additive Modelof maternal dietary practice and neonatal obesity (ponderal index)  |
| **Food consumed during pregnancy (frequency**†**)** | **Model 1\*** |  | **Model 2\*** |
| OR | 95% CI | *p* |  | OR | 95% CI | *p* |
| Fruits | **-0.43**  | **[-0.77,-1.27]** | **0.012**  |  | n/a | n/a | n/a |
| Samba & butter (Tibetan food) | **0.21**  | **[0.01,0.63]** | **0.041**  |  | **0.26**  | **[0.06,0.77]** | **0.011**  |
| Eggs | -0.05  | [-0.24,-0.14] | 0.636  |  | -0.08  | [-0.27,-0.23] | 0.424  |
| Poultry | -0.06  | [-0.34,-0.18] | 0.663  |  | -0.10  | [-0.37,-0.30] | 0.466  |
| Beans & related products | -0.03  | [-0.26,-0.10] | 0.772  |  | -0.04  | [-0.26,-0.10] | 0.757  |
| Fish and sea food | 0.30  | [0.00,0.88] | 0.051  |  | 0.30  | [0.00,0.90] | 0.047  |
| Dairy products | -0.17  | [-0.40,-0.51] | 0.141  |  | -0.19  | [-0.42,-0.57] | 0.096  |
| Vegetables | 0.11  | [-0.51,0.32] | 0.736  |  | -0.14  | [-0.73,-0.40] | 0.650  |
| Soda & sugar beverages | 0.10  | [-0.17,0.31] | 0.460  |  | 0.09  | [-0.19,0.26] | 0.535  |
| Multigrain & roots | 0.12  | [-0.13,0.35] | 0.349  |  | 0.10  | [-0.15,0.30] | 0.416  |
| Pickles & other processed foods | 0.12  | [-0.18,0.35] | 0.429  |  | 0.11  | [-0.19,0.32] | 0.471  |
| Red meats | -0.07  | [-0.30,-0.22] | 0.532  |  | -0.06  | [-0.28,-0.17] | 0.632  |
| Snacks | 0.05  | [-0.19,0.15] | 0.673  |  | 0.05  | [-0.19,0.16] | 0.667  |
| Rice & noodle (refined carbohydrates) | -0.08  | [-0.56,-0.22] | 0.764  |  | -0.09  | [-0.58,-0.27] | 0.711  |

\*Means model 1 contained 21 variables, including 14 food frequency measures and 7 covariates. Four maternal covariates were: residence (rural vs. urban), age at enrollment, education (< 9 years, 9-12 years vs. more than 12 years), and pre-pregnancy BMI; and three neonatal covariates were: first birth (yes/no), race (Tibetan vs. Han) and sex (male vs. female). Model 2 was built based on Model 1 with the removal of “fruit consumption”, a most influential variable in Model 1.

†Means food frequency measures: 0 = less than monthly, 1 = monthly, 2 = weekly, 3 = daily.