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| **Supplementary Table 1.** Factor loadings of 33 food group for the first dietary pattern identified using reduced rank regression among 1,153 youth with type 1 diabetes participating in SEARCH for Diabetes in Youth Study |
| **Food groups (33 food groups)** | **Factor loadings** |
| *Food groups with positive loadingsa* |  |
| Diet sodab |  0.51 |
| Sweetened soda and fruit-flavored drinkb |  0.40 |
| Sweetened coffee and teab |  0.23 |
| Eggsb |  0.20 |
| Potatoesb |  0.21 |
| High-fat meat (other non-processed) b |  0.24 |
| Tomatoes |  0.16 |
| Fruit juice (citrus) |  0.13 |
| Fish (not fried) |  0.12 |
| Low-fat poultry  |  0.12 |
| Fats and Oils |  0.12 |
| High-fat poultry  |  0.10 |
| Fish (fried) |  0.09 |
| Dark green, cruciferous vegetables |  0.03 |
| Dried beans |  0.02 |
| Vegetable (others) |  0.01 |
| Pizza or pizza pockets |  0.01 |
| *Food groups with negative loadingsa* |  |
| Sweets and dessertsb |  -0.29 |
| Low-fat dairyb |  -0.29 |
| Nuts and seeds |  -0.17 |
| Low-GI fruits (others) |  -0.13 |
| Low-fat crackers and pretzels |  -0.10 |
| High-fat meat (processed) |  -0.09  |
| Sports bars |  -0.09 |
| Deep yellow vegetables |  -0.09 |
| Bread, cereal, rice and pasta (low fiber) |  -0.09 |
| High-GI fruits |  -0.08 |
| Chips, high fat crackers and popcorns |  -0.07 |
| Fruit juice (others) |  -0.06 |
| Low-GI fruits (citrus) |  -0.02 |
| Soy products |  -0.01 |
| Bread, cereal, rice and pasta (high fiber) |  -0.006 |
| High-fat dairy |  -0.002 |
| Abbreviation: GI, glycemic index. *a*Food groups are listed in descending order according to loadings for the first RRR-identified dietary pattern. Food groups with positive and negative loadings are listed separately.bFood groups contributing the most to the dietary pattern score. Details about the food items included for these 8 food groups with moderate-high loadings are listed below:  *Diet soda:* diet soda or unsweetened mineral water*Sweetened soda and fruit-flavored drink:* sodas like coke and sprite; kool-aid, gatorade; sunny delight, Hi-C, Hawaiian punch, ocean spray; sweet tea or coffee with sugar*Sweets and desserts:* cookies; doughnuts; cakes, cupcakes, tasty cake, Ho-Ho’s, twinkies, little Debbie cakes; pie, turnovers; pudding; chocolate candy like candy bars, Hugs, M&Ms; other candies like gummy bears, starburst, skittles; chocolate milk; syrup on pancakes, waffles, French toast; honey and jelly in peanut butter sandwich; ice cream, ice cream bars, or frozen yogurt; sweet potato pies *Low-fat dairy:* Low-fat dairy, liquid meals like slimfast, yogurt *Sweetened coffee and tea:* sweet tea or coffee with sugar*Eggs:* Eggs or omelets including breakfast sandwiches with eggs; eggs in green salad; eggs in tuna sandwiches*Potatoes:* Baked, boiled or mashed potatoes; potatoes in pot pies or stew; french fries, fried potatoes, tater tots*High-fat meat (other than processed):* beef steak, roast beef, beef in frozen dinners, pork chops, BBQ ribs; meat in tacos, burritos, enchilada; sandwich with beef like hot pockets or meatball subs; beef and noodles, pot pies, hamburger helper, stew; stir-fried beef, pork with vegetables; meat in spaghetti, ravioli, or lasagna with tomato sauce, including spaghettos; vegetable beef soup; meat in oriental noodles like ramen noodles; meat in baked beans, chili with beans, kidney beans, or any other kind of beans not including refried beans. |