

Supplemental Table 1: Food groups contributing to the sulfur microbial diet by factor loading

| Top food groups by factor loadings | Individual foods | Regression coefficients |
|------------------------------------|---|-------------------------|
| Positive associations | | |
| Processed meats | Processed meats (e.g., sausage, salami, bologna), bacon, hot dogs | 0.64 |
| Liquor | Vodka, gin | 0.31 |
| Low-calorie drinks | Low-calorie cola, other low-energy carbonated beverages (sodas, e.g., Mountain Dew, 7-Up) | 0.38 |
| Negative associations | | |
| Beer | Beer | -0.54 |
| Fruit juice | Apple juice or cider, orange juice, grapefruit juice, other fruit juice | -0.21 |
| Legumes | String beans, peas or lima beans, beans or lentils, tofu or soybeans, alfalfa sprouts | -0.64 |
| Other vegetables | Celery, mushrooms, green pepper, corn, mixed vegetables | -0.32 |
| Sweets & desserts | Chocolate bars or pieces, candy bars, cookies, brownies, cake | -0.18 |