

**Supplementary Table 1.** Classification categories based on household food purchases.

<b>Food Category</b>	<b>Examples</b>
Fruits & Vegetables <sup>b</sup>	Fresh/Dried/Frozen fruits and vegetables, Juice
Grain Products <sup>a</sup>	Breads, Pasta, Cereals, Bakery products
Whole Grains <sup>b</sup>	Rice, Corn, Quinoa, Buckwheat
Whole Grains <sup>c</sup>	Wheat, Barley, Rye
Milk <sup>a</sup>	Cow's milk, Milk alternatives (soy, almond), Cheese, Yogurt
Nuts <sup>a</sup>	Almonds, Walnuts, Cashews, Seeds, Flax, Sunflower seeds
Meat Products <sup>a</sup>	Beef, Pork, Chicken, Fish, Eggs, Deli meat, Canned meats/fish
Unprepared Meals <sup>a</sup>	Canned soups, Dry soup mix, Boxed pasta (mac and cheese)
Prepared Meals <sup>a</sup>	Ready-to-eat meals, Frozen meals
Restaurant Meals <sup>a</sup>	Fast food, Family restaurants, Fine dining, Catering
Snacks <sup>a</sup>	Cookies, Chips, Chocolate, Ice cream
Baking & Cooking Ingredients <sup>a</sup>	Spices & seasonings, Honey, Cooking oil, Salt, Sugar, Baker's yeast
Condiments and Sauces <sup>a</sup>	Butter, Peanut butter, Salsa, Tomato sauce, Ketchup, Mayo
Beverages <sup>a</sup>	Tea, Coffee, Soft drinks, Alcohol, Bottled water
Unidentifiable Food Items	General grocery, General produce, Open food entries on receipts
Non food items	Kitchen items, Books, Clothing, Coupons
GF=Gluten-free. <sup>a</sup> Examples account for food items that are both GF and gluten containing. <sup>b</sup> Examples are based on GF food items. <sup>c</sup> Examples are based on gluten containing food items.	