

Supplementary Information

Table A1 Food Carbon emission coefficients (kg CO₂-eq/kg)

Food Type	Coefficient
Grain	0.27
Vegetable	0.4
Pork	7.64
Beef and Mutton	15.45
Poultry	1.71
Egg	0.78
Milk	0.36
Aquatic Product	1.94

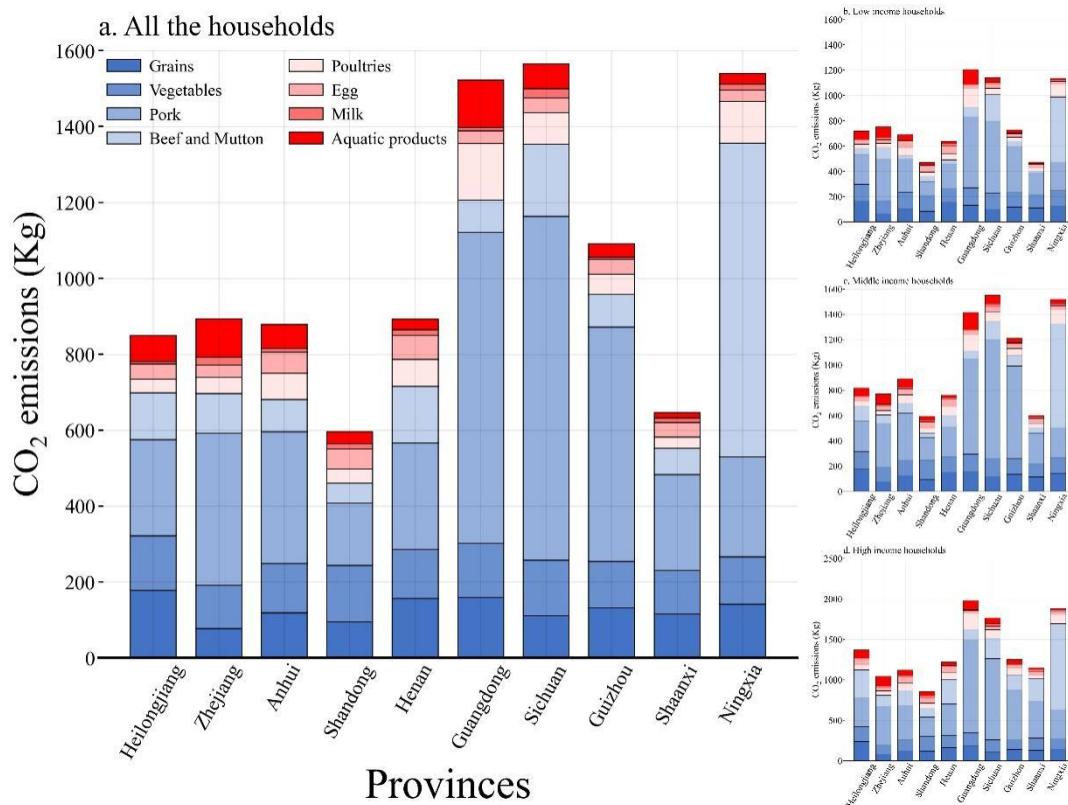


Fig. A1 The carbon emissions of each type of food across all rural households and a comparison among households with different income levels. (a) All the households; (b) Low income households; (c) Middle income households; (d) High income households.

Notes: Fig. A1a shows the carbon emissions of each type of food consumption. Figures A1b - A1d indicate the carbon emissions of each type of food for households with different income levels (low, middle, and high).

Households in the top 25% of income levels are classified as a high-income group, those in the middle 25%–75% are in the middle-income group, and the bottom 25% are in the low-income group.