

Supplementary material. Figures' captions

Figure S1. The questionnaire administered to reconstruct dietary habits.

Figure S2. Capsaicin perception thresholds for ITA and SSA groups, regardless of sex.

Figure S3. PROP intensity distribution in relation to BMI. ITA\_M and ITA\_F on the left hand side, SSA\_M and SSA\_F on the right hand side.

Figure S4. BIVA tolerance ellipses showing vectors for a) ITA\_F (blue square) and SSA\_F (green triangles) individuals and b) the average of ITA\_F (purple triangle) and SSA\_F (white circle) groups. A population of Afro-American women is taken as a reference.

Figure S5. BIVA confidence ellipses showing population mean (vector) and 0.95 confidence interval (ellipse perimeter) for East African (yellow) and West African (green) samples.