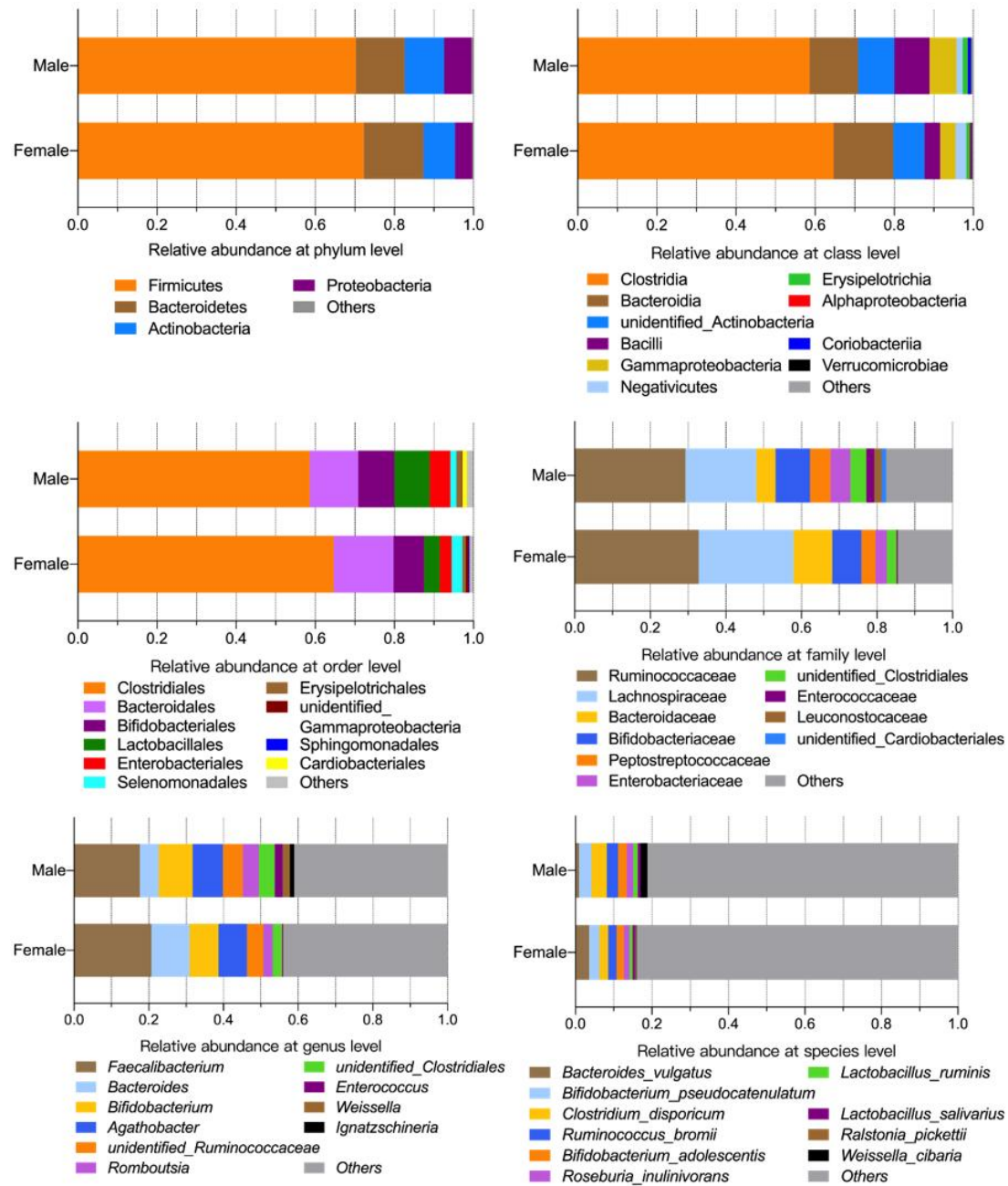


Supplementary materials



Supplementary Figure 1 The taxonomic composition of gut microbiota in the females and males of the study population. Bar plots show the relative abundances of the top ten taxa at the six taxonomic levels, including phyla, class, orders, family, genus and species, in females and males, respectively. Each component of the cumulative bar chart indicates a phylum, a class, an order, a family, a genus or a species, respectively.

Supplementary Table 1 Clinical characteristics of females and males in the study population

	Females	Males	P value
Number	73	69	-
Age (yr)	54 ± 12	54 ± 12	0.436
Height (cm)	153.0 ± 6.2	165.4 ± 5.9	0.790
Weight (kg)	56.1 ± 9.2	63.1 ± 9.5	0.957
WC (cm)	84.3 ± 8.7	85.1 ± 8.5	0.817
BMI (kg/m ²)	23.9 ± 3.4	23.0 ± 3.2	0.775
WHR	0.55 ± 0.06	0.51±0.05	0.114
SBP (mmHg)	132 ± 21	133 ± 19	0.689
DBP (mmHg)	77 ± 10	80 ± 11	0.835
FPG (mmol/L)	5.06 ± 0.92	4.92 ± 0.96	0.619
TG (mmol/L)	1.37 ± 0.51	3.69 ± 0.88	< 0.001 ^a
TC (mmol/L)	4.04 ± 1.14	2.06 ± 0.68	< 0.001 ^a
LDL-C (mmol/L)	2.27 ± 0.81	1.16 ± 0.39	< 0.001 ^a
HDL-C (mmol/L)	1.34 ± 0.45	2.54 ± 0.76	< 0.001 ^a
CVAI	88.58 ± 33.97	92.36 ± 38.87	0.125

Data are presented as mean ± SD. *P* values are from the *t*-test, ^a*P* < 0.05. WC: Waist circumference; BMI: Body mass index; WHR: Waist circumference/height ratio; SBP: Systolic blood pressure; DBP: Diastolic blood pressure; FPG: Fasting plasma glucose; TG: Triglyceride; TC: Total cholesterol; LDL-C: Low-density lipoprotein cholesterol; HDL-C: High-density lipoprotein cholesterol; CVAI: Chinese visceral adiposity index.