

Supplementary Table 3. Multivariate logistic regression analysis for factors associated with IR, prediabetes, and T2DM in non-NAFLD and NAFLD groups

Factor	IR				Prediabetes				T2DM			
	Non-NAFLD		NAFLD		Non-NAFLD		NAFLD		Non-NAFLD		NAFLD	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
FFA, $\mu\text{mol/L}$	1.01 (1.01–1.02)	<0.01	1.01 (1.01–1.02)	<0.01	1.01 (0.98–1.02)	0.07	1.01 (1.01–1.02)	0.01	1.01 (0.96–1.02)	0.35	1.01 (1.01–1.02)	<0.01
Male sex	-	-	-	-	-	-	-	-	-	-	0.96 (0.55–1.68)	0.89
Age, yr	1.01 (0.99–1.03)	0.21	1.01 (0.98–1.02)	0.2	1.09 (1.06–1.11)	<0.01	1.03 (1.00–1.04)	0.1	1.05 (1.03–1.07)	<0.01	1.02 (1.00–1.04)	0.06
Smoking	-	-	-	-	-	-	-	-	-	-	-	-
BMI $\geq 25 \text{ kg/m}^2$	3.61 (2.05–6.32)	<0.01	1.24 (0.83–1.87)	0.29	0.39 (0.15–1.88)	0.13	0.78 (0.52–1.15)	0.21	-	-	-	-
Abdominal obesity ^a	2.37 (1.29–4.30)	<0.01	1.71 (1.15–2.55)	<0.01	0.62 (0.27–1.33)	0.23	1.3 (0.89–1.90)	0.17	-	-	0.61 (0.38–0.96)	0.04
TG $> 1.8 \text{ mmol/L}$	1.48 (0.79–2.70)	0.21	1.07 (0.75–1.51)	0.71	3.02 (0.97–6.14)	0.1	-	-	-	-	-	-
CHOL $> 5.2 \text{ mmol/L}$	1.3 (0.57–2.77)	0.51	-	-	0.54 (0.19–1.38)	0.22	-	-	-	-	1.02 (0.66–1.58)	0.06
HDL-C $< 1.0 \text{ mmol/L}$	1.36 (0.68–2.63)	0.37	1.65 (1.12–2.44)	0.11	0.79 (0.33–1.74)	0.58	1.22 (0.85–1.75)	0.27	1.32 (0.62–2.63)	0.45	-	-
LDL-C $> 3.4 \text{ mmol/L}$	0.85 (0.38–1.97)	0.69	1.36 (0.96–1.94)	0.08	1.33 (0.51–3.75)	0.57	1.31 (0.94–1.82)	0.11	-	-	-	-
Hyperuricemia ^b	1.01 (1.01–1.01)	<0.01	1.01 (0.91–1.01)	0.23	1.01 (0.98–1.01)	0.75	-	-	-	-	-	-
HOMA-IR ≥ 2.69	-	-	-	-	9.39 (4.41–20.17)	<0.01	4.48 (3.21–6.30)	<0.01	7.78 (4.44–13.59)	<0.01	27.13 (15.79–49.45)	<0.01

IR, insulin resistance; T2DM, type 2 diabetes mellitus; NAFLD, nonalcoholic fatty liver disease; OR, odds ratio; CI, confidence interval; FFA, free fatty acid; BMI, body mass index; TG, triglyceride; CHOL, cholesterol; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; HOMA-IR, homeostasis model assessment of insulin resistance.

^aAbdominal obesity was defined as having a WC $> 90 \text{ cm}$ for men and WC $> 80 \text{ cm}$ for women, ^bHyperuricemia was defined as uric acid $> 420 \mu\text{mol/L}$ for men and $> 360 \mu\text{mol/L}$ for women.