

Supplementary Table 1. Correlations of sweet taste perception and preference in T2DM patients with clinical characteristics

Variable	Sweet taste perception								Sweet taste preference			
	0.32 mol/L		0.56 mol/L		1 mol/L		AUC of sweet taste perception		1 mol/L		AUC of sweet taste preference	
	<i>r</i>	<i>P</i> value	<i>r</i>	<i>P</i> value	<i>r</i>	<i>P</i> value	<i>r</i>	<i>P</i> value	<i>r</i>	<i>P</i> value	<i>r</i>	<i>P</i> value
BMI	0.05	0.740	-0.20	0.218	0.09	0.567	0.00	0.994	0.14	0.374	0.22	0.169
Waist circumference	-0.05	0.757	-0.31	0.050	-0.01	0.954	-0.12	0.472	0.18	0.254	0.19	0.234
Hip circumference ^a	0.08	0.616	0.03	0.850	-0.09	0.580	-0.05	0.752	0.22	0.164	0.18	0.253
Thigh circumference	0.08	0.645	-0.26	0.112	0.09	0.600	-0.05	0.753	0.10	0.520	0.13	0.431
SBP	0.04	0.801	-0.22	0.169	-0.03	0.862	-0.12	0.458	-0.15	0.354	-0.04	0.818
DBP	0.06	0.733	-0.22	0.167	0.05	0.776	-0.09	0.581	-0.11	0.486	-0.11	0.486
HR	-0.26	0.101	-0.41	0.009	-0.19	0.246	-0.36	0.024	0.04	0.819	-0.05	0.765
Fat mass	0.26	0.109	-0.04	0.812	0.24	0.140	0.16	0.332	0.11	0.482	0.25	0.120
Body fat percentage	0.29	0.071	0.20	0.218	0.30	0.059	0.29	0.073	0.07	0.660	0.27	0.091
HbA1c	-0.07	0.652	-0.16	0.315	0.13	0.431	-0.05	0.764	0.05	0.747	0.04	0.815
FPG	0.20	0.213	0.18	0.264	0.22	0.164	0.17	0.286	-0.24	0.141	0.08	0.615
Fasting insulin ^a	0.08	0.619	-0.27	0.095	0.10	0.560	-0.11	0.518	0.02	0.914	0.12	0.465
HOMA-IR ^a	0.13	0.415	-0.21	0.187	0.15	0.371	-0.06	0.713	-0.04	0.803	0.14	0.393
HOMA-β ^a	-0.04	0.784	-0.32	0.045	-0.02	0.915	-0.17	0.297	0.12	0.460	0.05	0.763
Total cholesterol	-0.12	0.475	-0.10	0.542	-0.02	0.880	-0.06	0.716	0.14	0.376	0.29	0.075
Triglycerides ^a	-0.04	0.827	-0.09	0.575	0.07	0.673	-0.02	0.905	-0.18	0.279	-0.11	0.517
HDL-C ^a	0.13	0.434	0.20	0.212	0.10	0.553	0.16	0.323	0.19	0.233	0.28	0.082
LDL-C ^a	-0.10	0.551	-0.12	0.468	0.02	0.912	-0.06	0.735	0.09	0.587	0.23	0.162
FGF21 ^a	-0.35	0.027	-0.19	0.253	0.04	0.802	-0.02	0.888	0.15	0.369	0.32	0.046

T2DM, type 2 diabetes mellitus; AUC, area under the curve; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; HR, heart rate; HbA1c, glycosylated hemoglobin; FPG, fasting plasma glucose; HOMA-IR, homeostasis model assessment of insulin resistance; HOMA-β, homeostasis model assessment of β-cell function; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; FGF21, fibroblast growth factor 21.

^aLog_e-transformed before analysis.