

Supplementary Table A1. Demographic and clinical characteristics of the subjects

Characteristic	All Subjects			Males			Females		
	T2D	Control	P-value	T2D	Control	P-value	T2D	Control	P-value
n	394	418		147	171		247	247	
Age (years)	56.9±10.8	55.8±10.8	0.176	54.1±11.2	57.2±10.2	0.01	58.5±10.2	54.9±11.1	<0.01
BMI (kg/m ²)	26.6±4.0	25.2±3.7	<0.01	26.5±3.6	24.9±3.7	0.0001	26.6±4.2	25.5±3.6	0.01
SBP (mmHg)	135.0±19.2	134.7±20.1	0.833	132.8±17.27	132.6±18.5	0.918	136.3±20.2	136.2±21.0	0.946
DBP (mmHg)	81.5±10.7	82.3±11.1	0.299	82.1±10.74	82.0±11.7	0.895	81.1±10.6	82.6±10.7	0.138
TC (mmol/l)	4.90±1.04	4.41±0.82	<0.01	4.78±0.99	4.42±0.88	0.001	4.96±1.06	4.40±0.78	<0.0001
TG (mmol/l)	2.10±0.67	1.33±0.83	<0.001	2.22±0.63	1.30±0.87	0.001	2.03±0.69	1.36±0.80	<0.0001
HDL-c (mmol/l)	1.15±0.34	1.19±0.26	0.069	1.09±0.32	1.17±0.30	0.009	1.19±0.34	1.20±0.22	0.752
LDL-c (mmol/l)	3.06±0.94	2.83±0.76	<0.001	3.07±0.82	2.89±0.83	0.053	3.05±1.00	2.79±0.71	0.001
Cr (umol/l)	58.0±8.4	57.1±7.8	0.426	65.5±10.4	64.9±11.1	0.661	54.0±7.9	52.0±7.6	0.145

Data are presented as mean ± SD. T2D, type 2 diabetes; BMI, body mass index; SBP, systolic blood pressure; DBP; diastolic blood pressure; TC, total cholesterol; TG, triglyceride; HDL-c, high-density lipoprotein cholesterol; LDL-c, low-density lipoprotein cholesterol.

Supplementary Table A2. Allele frequency of each polymorphism for RAS related genes

Genotype	Males			Females		
	T2D	Control	P-value	T2D	Control	P-value
AGT (rs699) C/T	0.80 : 0.20	0.79 : 0.21	0.95	0.78 : 0.22	0.80 : 0.20	0.75
ACE (I/D)	0.60 : 0.40	0.57 : 0.43	0.41	0.61 : 0.39	0.58 : 0.42	0.039
ACE2 (rs2074192) C/T	0.58 : 0.42	0.56 : 0.44	0.76	0.56 : 0.44	0.54 : 0.46	0.11
ACE2 (rs2106809) G/A	0.54 : 0.46	0.51 : 0.49	0.53	0.51 : 0.49	0.48 : 0.52	0.21
AGTR1 (rs5186) A/C	0.92 : 0.08	0.94 : 0.06	0.27	0.94 : 0.06	0.95 : 0.05	0.55
AGTR2 (rs1403543) A/G	0.59 : 0.41	0.53 : 0.47	0.34	0.61 : 0.39	0.62 : 0.38	0.59
Mas (rs220721) A/G	0.66 : 0.34	0.64 : 0.36	0.19	0.66 : 0.34	0.63 : 0.37	0.24
BDKRB2 (rs1799722) C/T	0.63 : 0.37	0.57 : 0.43	0.30	0.64 : 0.36	0.61 : 0.39	0.54

Data are presented as Common : Rare allele. The P-value was obtained by the X^2 test. T2D, type 2 diabetes; AGT, angiotensinogen; ACE, angiotensin-converting enzyme; ACE2, angiotensin-converting enzyme 2; AGTR1, angiotensin II type I receptor; AGTR2, angiotensin II type II receptor; BDKRB2, bradykinin receptor 2.