

Supplementary Table 1. Clinical characteristics of T2DM patients with DFU. Related to Figure 1C.

Number	Age	Sex	Duration (year)	SCr (μ mol/L)	BUN (mmol/ L)	FBG (mmol/ L)	HbA1c (%)	CHO (mmol/ L)	TG (mmol/L)	HDL-C (mmol/L)	LDL-C (mmol/L)
NC-1	57	M	5.6	46.6	5.5	5.1	NA	5.31	1.68	0.86	2.92
NC-2	45	M	5.4	68.2	4.4	4.7	NA	4.37	0.93	0.84	2.46
NC-3	46	M	3.3	68.9	5.2	5.3	NA	4.11	1.60	0.86	2.0
NC-4	75	F	7.6	58	5.7	5.2	NA	4.88	1.11	1.59	3.27
NC-5	83	F	4.5	83	6.0	4.5	NA	4.03	0.83	1.15	3.07
NC-6	77	M	10.2	75	6.3	4.8	4.8	3.83	0.92	1.25	2.98
NC-7	68	M	7.7	80	3.5	5.4	5.2	4.21	1.16	1.51	3.02
mean \pm SD	64 \pm 15	/	6.47 \pm 2.45	68 \pm 12.7	5.2 \pm 0.9	5.0 \pm 0.3	5.0 \pm 0.3	4.39 \pm 0.5	1.18 \pm 0.3	1.15 \pm 0.3	2.82 \pm 0.4
Number	(year)	Sex	Duration (year)	SCr (μ mol/L)	BUN (mmol/ L)	FBG (mmol/ L)	HbA1c (%)	CHO (mmol/ L)	TG (mmol/L)	HDL-C (mmol/L)	LDL-C (mmol/L)
DFU-1	81	F	14.2	53.2	4.44	5.3	6.6	4.33	1.03	1.19	2.55
DFU -2	49	M	8.6	108.7	10.25	8.8	7.8	3.37	1.68	0.86	2.03
DFU -3	59	F	5.9	61.3	9.37	13.9	13.5	3.58	1.21	0.99	2.07
DFU -4	57	M	7.7	71.3	3.16	11.4	9.8	4.25	3.56	1.0	2.17
DFU -5	64	M	8.5	61.6	5.83	9.1	12.9	2.4	0.42	1.24	1.09
DFU -6	61	M	3.1	69.0	5.97	17.1	11.1	3.29	1.32	0.6	2.18
DFU -7	65	M	4.6	202.7	13.68	12.7	9.8	3.28	1.07	0.72	2.02
DFU -8	65	F	11.1	77.0	5.4	15.6	13.4	2.81	1.19	0.71	1.69
DFU -9	56	M	3.4	64.7	8.38	7.1	7.0	2.72	0.77	0.61	1.76
DFU -10	72	M	5.9	81.4	4.65	11.2	10.7	4.05	1.28	0.78	2.71
DFU -11	57	M	9.3	82.5	4.01	28.4	12.3	3.26	1.35	0.78	2.17

mean ± SD	62 ± 8.6	/	7.48± 3.36	84.9 ± 41.8	6.83 ± 3.2	12.8 ± 6.3	10.4 ± 2.5	3.39 ± 0.6	1.35 ± 0.8	0.86 ± 0.2	2.04 ± 0.4
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T2DM, type 2 diabetes; FBG, fasting blood glucose; SCr, serum creatinine; BUN, Blood urea nitrogen; CHO, total cholesterol; TG, triglyceride; LDL-C, low density lipoprotein cholesterol; HDL-C, high density lipoprotein cholesterol; HbA1c, hemoglobin A1c; NA, not applicable/not available; F, female; M, male; DFU, diabetic foot ulcer. Data are expressed as mean ± SD.

Supplementary Table 2. Clinical characteristics of healthy control (Control), T2DM and T2DM with DFU. Related to Supplementary Figure 1B.

Number	(year)	Sex	Duration (year)	SCr (μ mol/L)	BUN (mmol/ L)	FBG (mmol/ L)	HbA1c (%)	CHO (mmol/ L)	TG (mmol/L)	HDL-C (mmol/L)	LDL-C (mmol/L)
Control-1	49	F	0	63.6	3.9	5.1	5.6	4.62	20.6	0.82	2.58
Control-2	45	M	0	68.2	4.4	4.7	5.3	4.37	0.93	0.84	2.46
Control-3	54	F	0	54.8	4.2	4.9	4.9	3.7	1.42	2.01	2.74
Control-4	46	F	0	78.3	7.2	6	5.8	4.32	1.66	1.84	3.09
Control-5	64	M	0	65.4	5.8	5.7	5.4	4.56	0.92	1.95	3.29
Control-6	51	M	0	55.3	6.1	5.1	4.4	4.72	0.73	1.62	2.5
Control-7	52	F	0	60.5	6.8	5.3	5.3	4.35	1.3	1.51	3.18
Control-8	49	M	0	63.5	6	4.2	4.6	3.5	0.88	1.07	3.23
Control-9	46	F	0	76	4.3	4.7	4.8	4.71	1.62	1.68	1.6
Control-10	54	M	0	47.9	6.8	4.3	5.3	5.12	0.98	1.35	3.21
mean \pm SD	51 \pm 5. 6	/	0	63 \pm 9.4	5.55 \pm 1.2	5 \pm 0.6	5.14 \pm 0.5	4.4 \pm 0.5	3.1 \pm 6.2	1.47 \pm 0.4	2.79 \pm 0.5
Number	(year)	Sex	Duration (year)	SCr (μ mol/L)	BUN (mmol/ L)	FBG (mmol/ L)	HbA1c (%)	CHO (mmol/ L)	TG (mmol/L)	HDL-C (mmol/L)	LDL-C (mmol/L)
T2DM-1	76	F	5.3	43.1	3.64	7.8	7	4.21	2.1	1.09	2.5
T2DM-2	62	F	10.2	84.7	7.16	9.5	8.6	4.25	2.82	0.79	2.67
T2DM-3	54	M	10.7	184.9	9.51	9.7	8.5	5.94	1.99	1.1	3.73
T2DM-4	57	M	17.1	168.4	8.29	13.5	16.3	7.78	1.65	1.93	4.36
T2DM-5	58	M	10.2	64.9	8.55	8	10.1	4.86	2.56	1.15	2.77
T2DM-6	65	F	3.6	51.6	7.06	7	7.5	6.96	1.48	1.56	4.23
T2DM-7	61	M	10.4	64.9	5.13	11.7	14.2	3.87	3.88	1.07	1.68

T2DM-8	14	F	0.1	55.6	2.87	13.2	16	5	1.28	0.94	3.17
T2DM-9	60	F	20.5	178.5	14.23	4.5	6.2	4.96	2.86	1.11	3.05
T2DM-10	50	F	17.2	64.6	7.4	6.6	10.3	6.72	2.8	1.59	4.09
mean ± SD	55.7±16.2	/	10.5±6.4	96.12±57.2	7.38±3.2	9.15±3	10.47±3.7	5.26±1.3	2.3±0.8	1.23±0.3	3.22±0.9
Number	(year)	Sex	Duration (year)	SCr (μmol/L)	BUN (mmol/ L)	FBG (mmol/ L)	HbA1c (%)	CHO (mmol/ L)	TG (mmol/L)	HDL-C (mmol/L)	LDL-C (mmol/L)
DFU-1	60	M	10.7	137.1	6.97	10.7	8	5.2	1.84	2.02	2.87
DFU-2	71	M	20.1	78.2	5.83	7.3	9.9	4.09	1.52	0.94	2.64
DFU-3	65	F	10.7	77	5.4	15.6	13.4	2.81	1.19	0.71	1.69
DFU-4	59	F	9.3	61.3	9.37	13.9	13.5	3.58	1.21	0.99	2.07
DFU-5	49	M	10.8	108.7	10.25	8.8	7.8	3.37	1.68	0.86	2.03
DFU-6	81	F	10.5	67.9	6.32	5.1	6.6	4.73	1.01	1.08	3.03
DFU-7	48	M	6.3	75	6.61	7.7	9.4	4.75	0.99	1.27	2.57
DFU-8	53	M	5.8	62.8	4.48	5.2	8	2.32	0.93	0.6	1.13
DFU-9	48	M	1.5	172.1	17.81	7	12	4.94	0.98	1	3.42
DFU-10	61	M	10.6	129.8	11.83	6	10.5	3.92	0.87	1.33	2.27
DFU-11	66	M	10.2	64.1	6.13	5.2	7.8	4.12	0.79	1.05	2.17
DFU-12	73	F	30.3	67.8	5.32	4.8	8	3.26	0.74	1.48	1.41
DFU-13	81	F	8.5	53.2	4.44	5.3	6.6	4.33	1.03	1.19	2.55
DFU-14	59	F	9.8	61.3	9.37	13.9	13.5	3.58	1.21	0.99	2.07
mean ± SD	62±11.1	/	11±6.8	86.88±35.8	7.87±3.6	8.32±3.73	9.64±2.5	3.93±0.8	1.14±0.3	1.11±0.4	2.28±0.6

Supplementary Table 3. Primers for real-time qPCR

Gene	Forward (5' to 3')	Reverse (5' to 3')
<i>Mus Metrnl</i>	GGAATTCCTCTTCACTGGACAT	CTTCTGCTTTCCTGTACATCCT
<i>Mus Gapdh</i>	AGGTCGGTGTGAACGGATTTG	TGTAGACCATGTAGTTGAGGTCA
<i>Mus CD31</i>	AGCCAGCAGTATGAGGACCAGTC	TCCAATGACAACCACCGCAATGA G
<i>Mus VEGF</i>	AGGCTGCTGTAACGATGAAG	TTCCTATGTGCTGGCTTTG
<i>Mus CD206</i>	TGATTACGAGCAGTGGAAGC	GTTCAACCGTAAGCCCAATTT
<i>Mus Arg1</i>	AGACCACAGTCTGGCAGTTG	CCACCCAAATGACACATAGG