

Table SI. Patient characteristics in serum study.

Characteristic	Patients with diabetes mellitus (n=10)	Patients with diabetic nephropathy (n=10)	P-value
Mean age, years	73.00±2.55	72.00±4.45	0.621
Male, %	33.30	33.30	-
Glucose, mmol/l	6.28±1.32	10.66±0.68	<0.050
Urine albumin-to-creatinine ratio, mg/g	16.35±1.78	804.00±125.20	<0.001
Serum creatine, µmol/l	58.27±2.46	180.10±20.65	<0.050
Blood urea nitrogen, mmol/l	5.07±1.35	15.96±0.64	<0.010
Estimated glomerular filtration rate, ml/min/1.73 m ²	90.67±1.76	46.88±7.53	<0.010
Urinary protein, g/24-h	112.50±13.85	1302.00±185.72	<0.010

Table SII. Primers for α -SMA, collagen I, fibronectin and GAPDH.

Primer	Forward	Reverse
α -SMA	5'-CAGCAAACAGGAATACGACGAA-3'	5'-AACCACGAGTAACAAATCAAAGC-3'
Collagen I	5'-GTCAGACCTGTGTGTTCCCTACTCA-3'	5'-TCTCTCCAAACCAGACGTGCTTC-3'
Fibronectin	5'-GCAAGAAGGACAACCGAGGAAA-3'	5'-GGACATCAGTGAAGGAGCCAGA-3'
GAPDH	5'-AAGAAGGTGGTGAAGCAGG-3'	5'-GAAGGTGGAAGAGTGGGAGT-3'

α -SMA, α -smooth muscle actin.

Table SIII. Primers for tRFs.

Gene	Forward primer sequence
tRF-1:32-Cys-GCA-1-M3	5'-GGGGGTATAGCTCAGTGGTAGAGCATTTGACT-3'
tRF-53:70-chrM.Trp-TCA	5'-CAAGTTTAACTTCTGCCA-3'
tRF-49:70-chrM.Trp-TCA	5'-CACACAAGTTTAACTTCTGCCA-3'
tRF-1:32-Glu-TTC-2	5'-TCCCATATGGTCTAGCGGTTAGGATTCCTGGT-3'
tRF-1:32-Glu-TTC-1	5'-TCCCACATGGTCTAGCGGTTAGGATTCCTGGT-3'
tRF-1:30-Gln-CTG-4	5'-GGTTCATGGTGTAAATGGTGAGCACTCTGG-3'
tRF-1:28-Gly-CCC-1	5'-GCGCCGCTGGTGTAGTGGTATCATGCAA-3'
tRF-1:29-Val-CAC-1	5'-GTTTCCGTAGTGTAGTGGTTATCACGCTC-3'
tRF-1:29-Val-AAC-5	5'-GTTTCCGTAGTGTAGTGGTTATCACATTC-3'
tRF-1:30-Val-AAC-5	5'-GTTTCCGTAGTGTAGTGGTTATCACATTCG-3'

tRF, transfer RNA-derived fragment.