

Supplementary table I Primer sequences of RT-PCR.

Primer	Forward primer	Reverse primer
ALOX12	GTGGCTGAGGTCATCGCTGTTG	GTAACGGATGTGTGGAACGAGGAG
β -actin	GGACTTCGAGCAAGAGATGG	AGCACTGTGTTGGCGTACAG

Supplementary table II Renal function data in mice

	db/m	db/db	<i>P</i>
Blood glucose(mmol/L)	7.550±0.914	25.570±4.234	<0.001
24h Urine albumin (mg/24h)	7.322±2.550	178.500±25.430	<0.001
Serum Creatinine(μmol/L)	17.580±2.625	61.110±9.557	<0.001
Serum BUN(mmol/L)	15.290±1.532	27.380±2.644	<0.001