Fig. 1 Effects of glucose fluctuations on aortic function. (A) Levels of blood glucose in C-STZ, U-STZ and STZ-GF groups were 5 mmol/L, >25 mmol/L and 5-25 mmol/L respectively (n=8 per group). (B) Body weight in three groups (n=8 per group). (C-E) The systolic blood pressure (BP), mean BP and diastolic BP of C-STZ, U-STZ and STZ-GF groups respectively (n=5 per group). *P < 0.05.
**Fig. 2 Glucose fluctuations promoted aortic fibrosis in diabetic rats** (A) Representative images of Masson trichrome staining of rat aortas and the quantitative ratio of the area of fibrosis (n=3 per group). (B) Representative images of immunofluorescence staining of collagen I (n=3 per group). (C) The mRNA levels of collagen I (n=3 per group). (D-E) The protein expression of collagen I in rat aortas of three groups (n=5 per group). *P < 0.05.