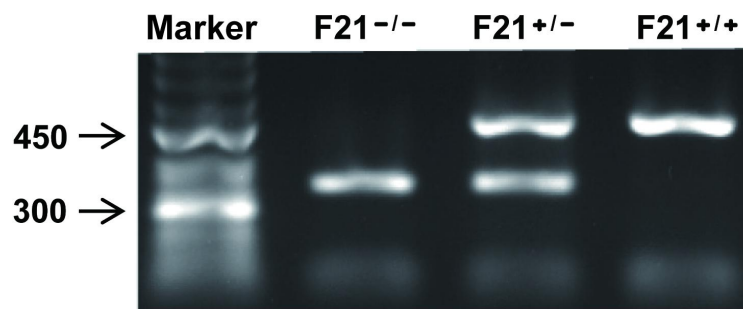


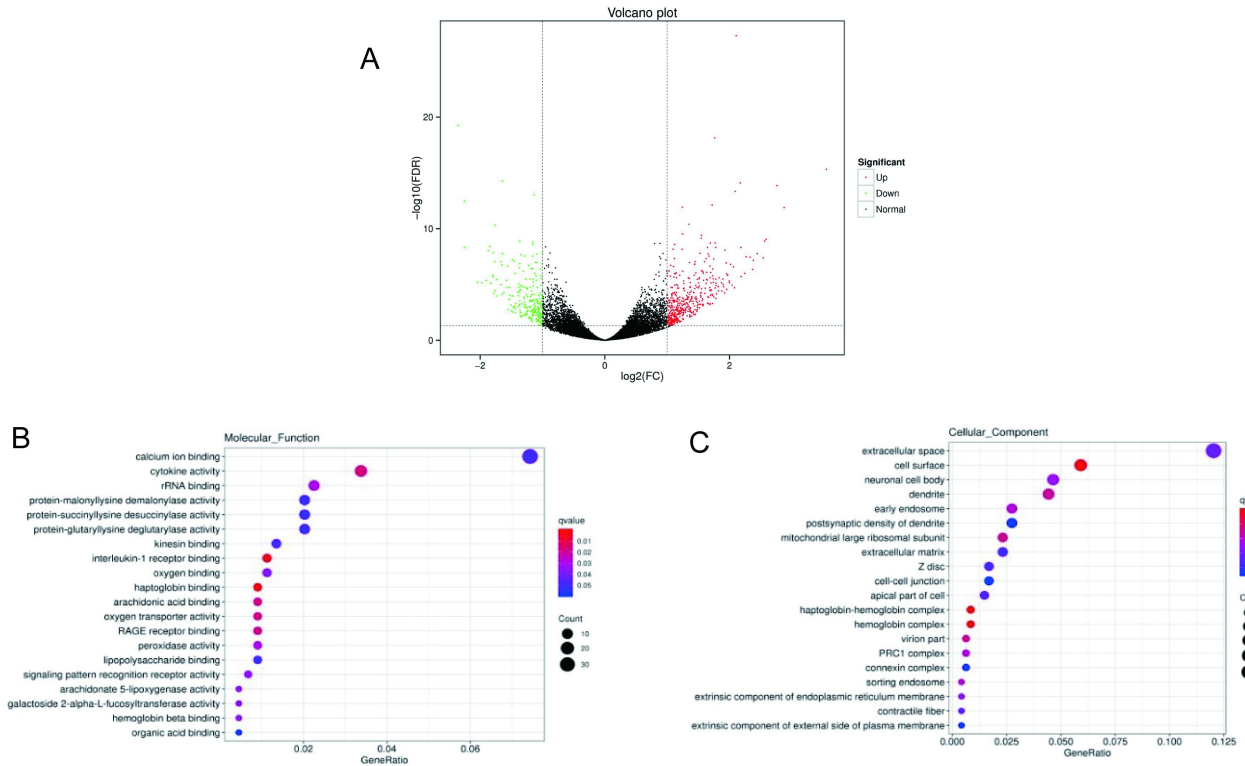
**Table 1** Primer sequences used for quantitative real-time polymerase chain reaction(RT-PCR)

Gene name	
human FGF21	Forward: 5'-ATGGATCGCTCCACTTTGACC-3'
	Reverse: 5'-GGGCTTCGGACTGGTAAACAT-3'
mouse FGF21	Forward: 5'-GATGACGACCAAGACACTGAAGCC-3'
	Reverse: 5'-CTCCAGCAGCAGTTCTCTGAAGC-3'
mouse IL-6	Forward: 5'-GAGGATACCACTCCAACAGACC-3'
	Reverse: 5'-AAGTGCATCATCGTTGTTTCATACA-3'
mouse IL-1 $\beta$	Forward: 5'-ACTCCTTAGTCCTCGGCCA-3'
	Reverse: 5'-CCATCAGAGGCAAGGAGGAA-3'
mouse TNF- $\alpha$	Forward: 5'-TGATCCGCGACGTGGAA-3'
	Reverse: 5'-ACCGCTGGAGTTCTGGAA-3'
mouse ICAM-1	Forward: 5'-GCCTTGGTAGAGGTGACTGAG-3'
	Reverse: 5'-AAGTGCATCATCGTTGTTTCATACA-3'
mouse VCAM-1	Forward: 5'-TGCCGAGCTAAATTACACATTG-3'
	Reverse: 5'-CCTTGTGGAGGGATGTACAGA-3'
mouse $\beta$ -actin	Forward: 5'-CCGTGAAAAGATGACCCAGA-3'
	Reverse: 5'-TACGACCAGAGCATAACAG-3'

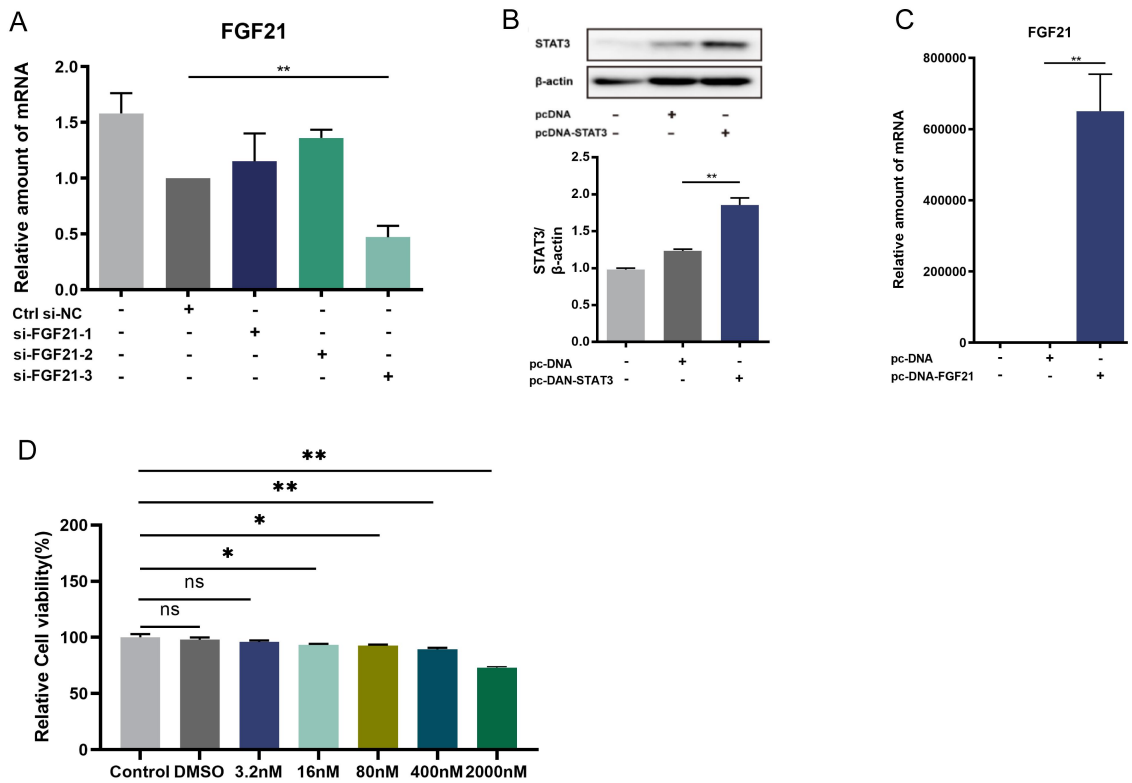
FGF21: fibroblast growth factor 21; IL-6, interleukin-6; IL-1 $\beta$ , interleukin-1 $\beta$ ; TNF- $\alpha$ , tumor necrosis factor- $\alpha$ ; ICAM-1, intercellular cell adhesion molecule-1; VCAM-1, vascular cell adhesion molecule-1;



**Supplementary Fig.1** FGF21 knock out genetic identification: agarose gel electropherogram of FGF21 in mice



**Supplementary Fig. 2** RNA sequencing and bioinformatics analysis (A) The volcano plot of molecular function. GO enrichment analysis of molecular function (B) and cellular component (C).



**Supplementary Fig. 3** Validation of Si-RNA overexpression plasma and CCK-8 test of Fedratinib (A) Validation of FGF21 silencing efficiency. (B) Verification of overexpression efficiency of STAT3. (C) Verification of overexpression efficiency of FGF21. (D) The CCK-8 test of Fedratinib on BEAS-2B Cells (n=3). Multiple comparisons were analyzed by one-way ANOVA. \*P < 0.01 and \*\*P < 0.05.