

# Supplemental

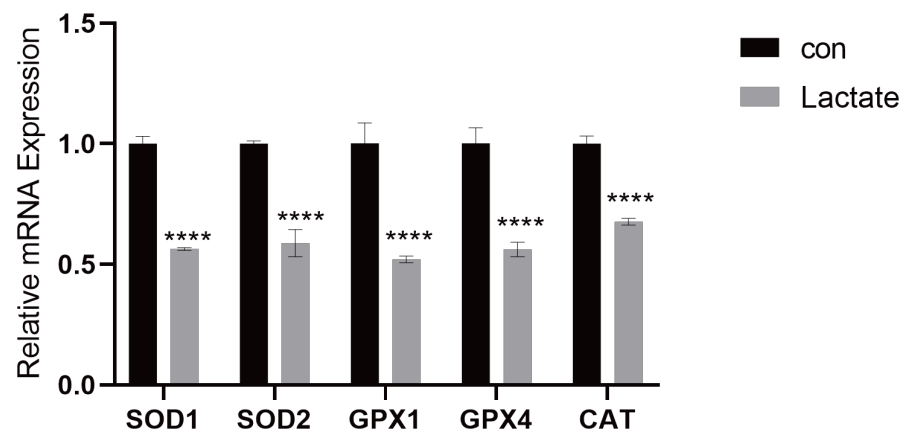


Figure S1. SOD1, SOD2 GPX1, GPX4 and CAT were measured by RT-qPCR after lactate treatment 24h.

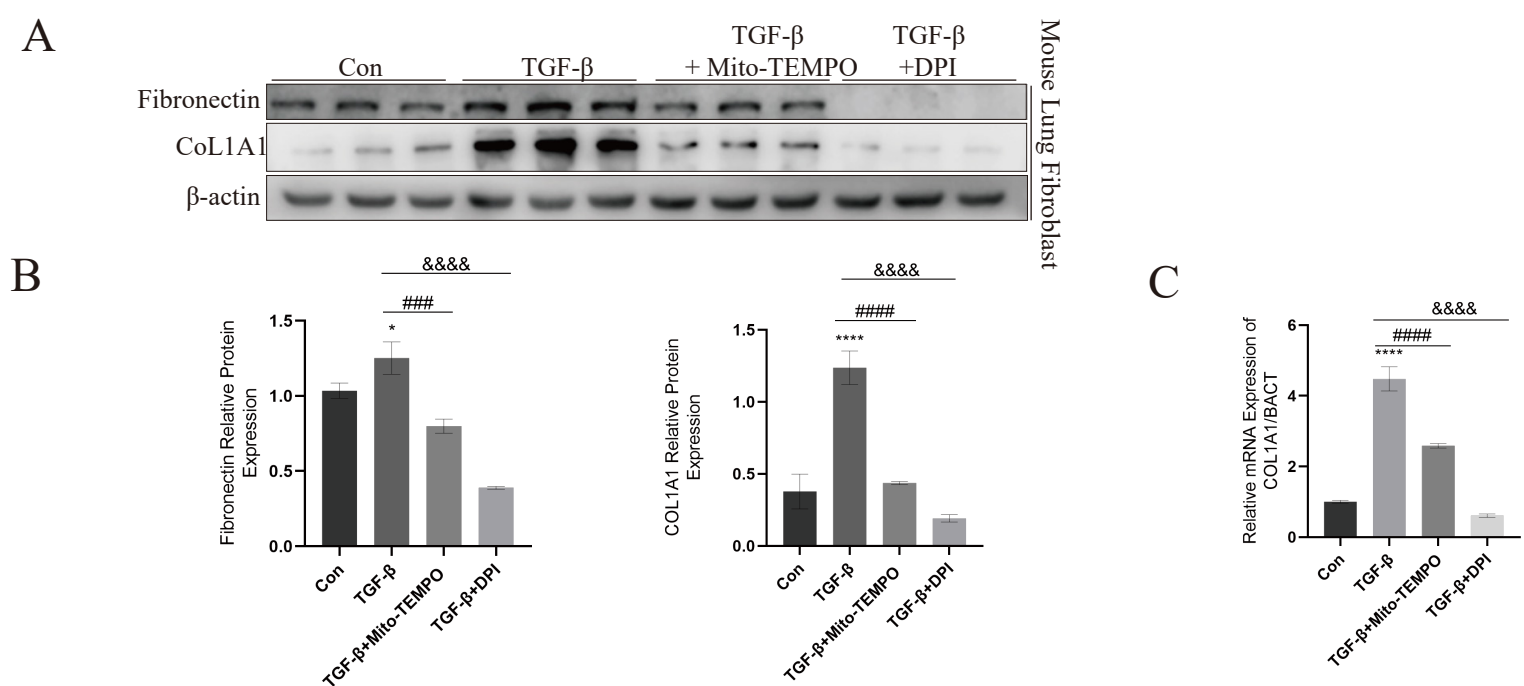


Figure S2. (A-B) Fibronectin and COL1A1 were detected in primary mouse lung fibroblasts by WB with control group, TGF- $\beta$  group, TGF- $\beta$ + MT group and TGF- $\beta$ +DPI group. (C) Relative mRNA of COL1A1 in primary mouse lung fibroblasts was detected.

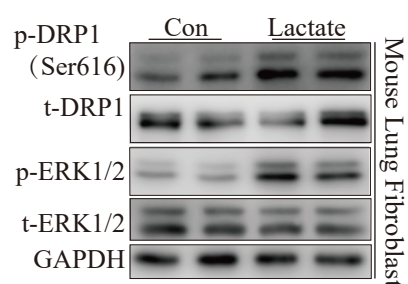


Figure S3 Primary mouse lung fibroblasts were treated lactate for 30 minutes, p-DRP1S616 and p-ERK1/2 was determined by WB.

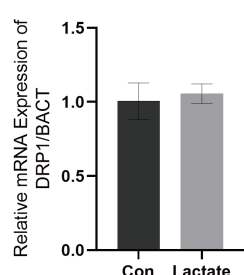


Figure S4 The expression of DRP1 mRNA in MRCS treated with lactate for 12h was determined

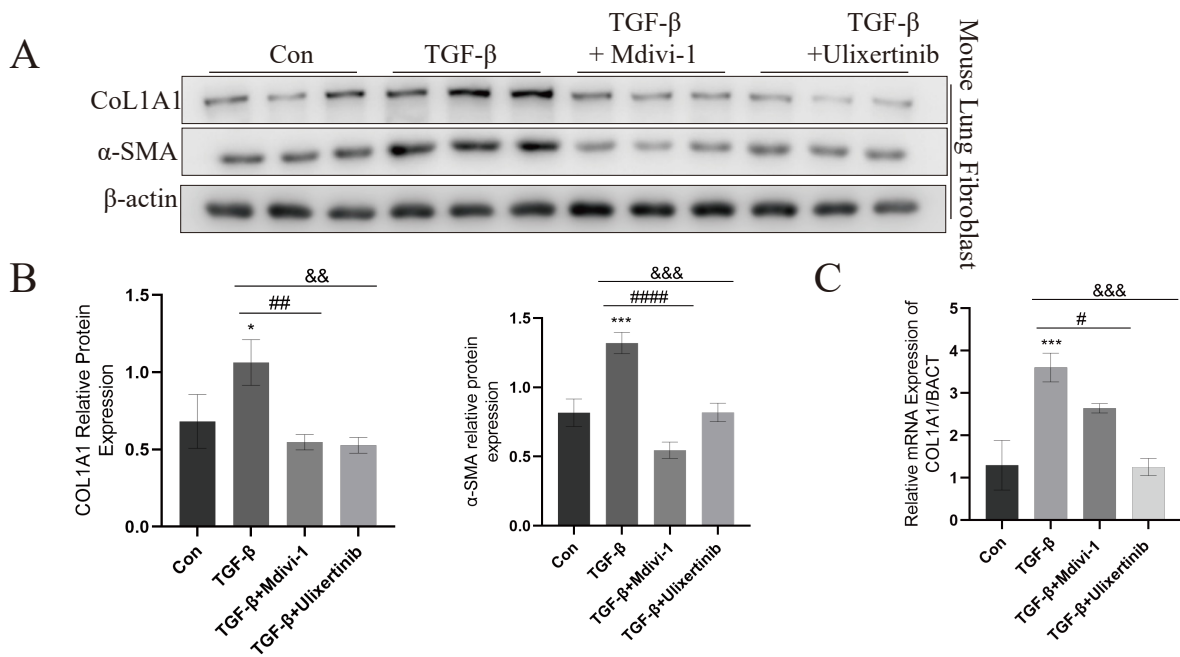


Figure S5. (A-B)  $\alpha$ -SMA and COL1A1 were detected in primary mouse lung fibroblasts by WB with control group, TGF- $\beta$  group, TGF- $\beta$ + Mdivi-1 group and TGF- $\beta$ + Ulixertinib group. (C) Relative mRNA of COL1A1 in primary mouse lung fibroblasts was detected.

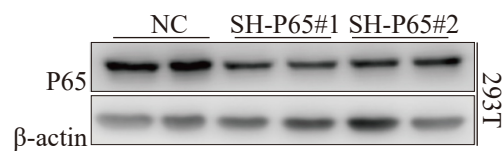


Figure S6. Western blotting results showed the effect of P65 knockdown in 293T cells.