

## Supplementary information

**The manuscript title:** Pirfenidone controls the feedback loop of the AT1R/p38 MAPK/renin-angiotensin system axis by regulating liver X receptor- $\alpha$  in myocardial infarction-induced cardiac fibrosis

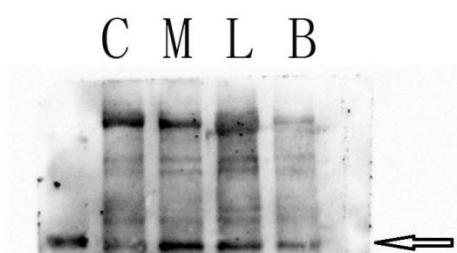
**Author list:** Chunmei Li, Rui Han, Le Kang, Jianping Wang, Yonglin Gao, Yanshen Li, Jie He, Jingwei Tian

**Supplementary legends:** C, Control; M, Model; L, Losartan; B, Pirfenidone

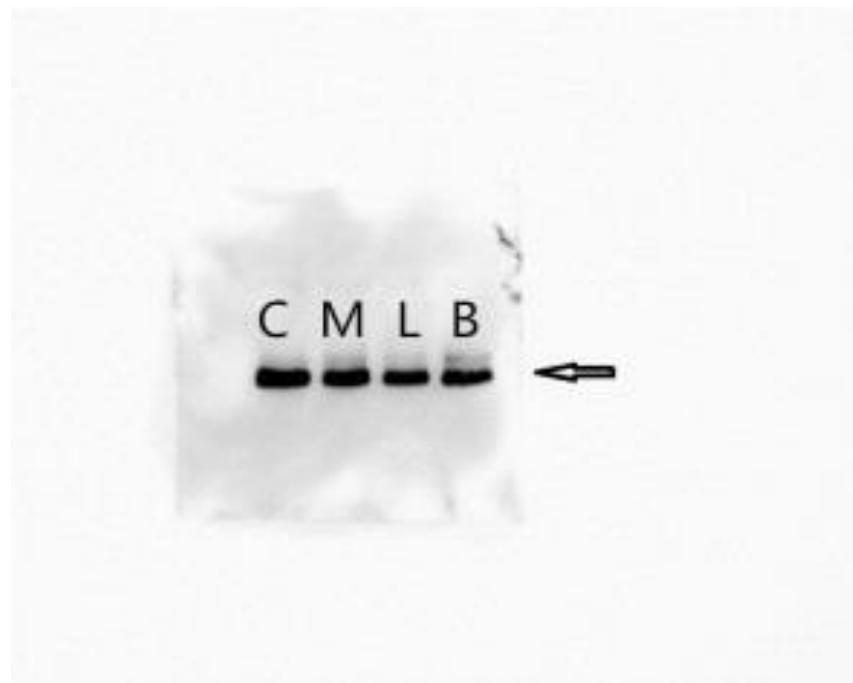
### 1. The full-length gels: Fig.6-Collagen I



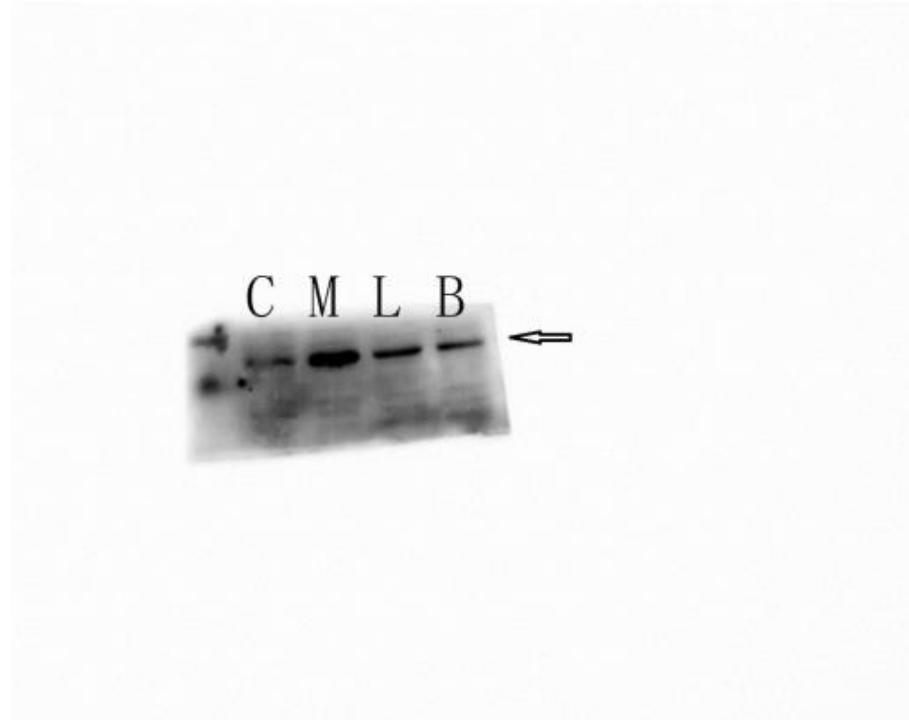
**2. The full-length gels: Fig.6-Collagen III**



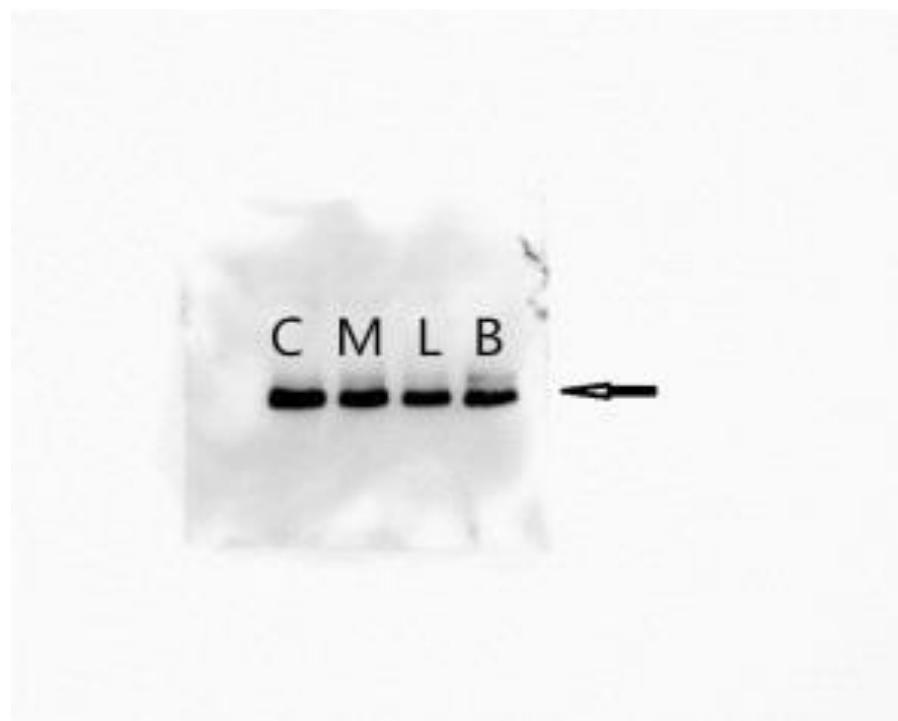
**3. The full-length gels: Fig.6-Collagen 1 and 3 ( $\beta$ -actin)**



**4. The full-length gels: Fig.7- $\alpha$ -SMA**



**5. The full-length gels: Fig.7- $\alpha$ -SMA ( $\beta$ -actin)**



**6. The full-length gels: Fig.9-AT1R**



**7. The full-length gels: Fig.9-AT1R( $\beta$ -actin)**



**8. The full-length gels: Fig.9-P-p38**



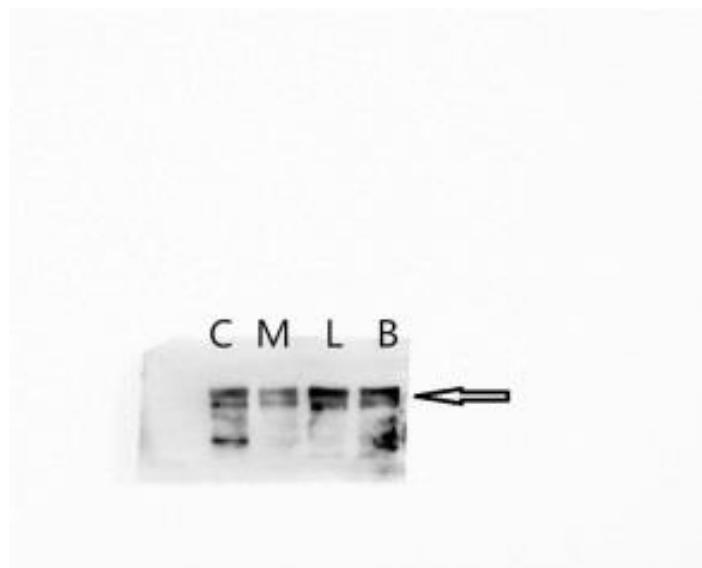
**9. The full-length gels:** Fig.9-T-p38



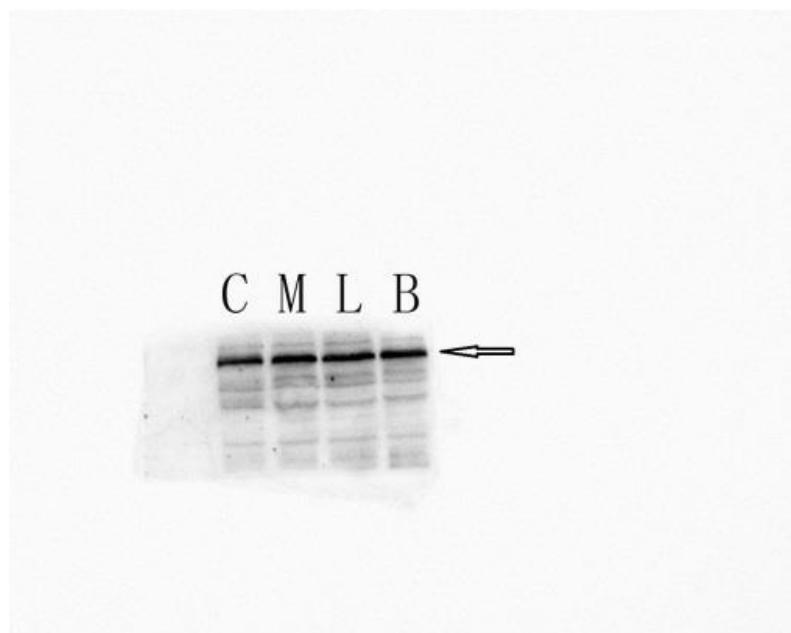
**10. The full-length gels:** Fig.10-ACE



**11. The full-length gels:** Fig.10-ACE2



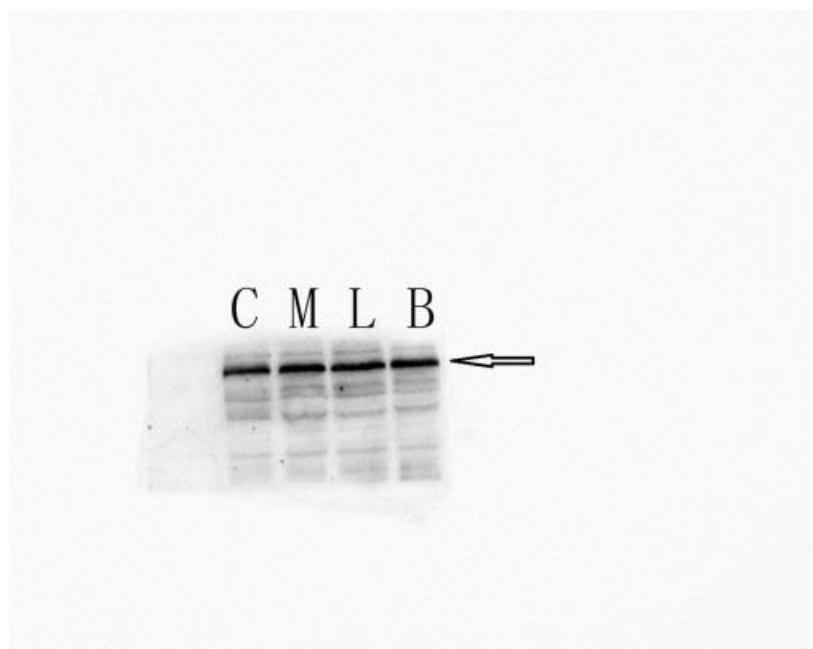
**12. The full-length gels:** Fig.10-ACE ACE2(  $\beta$  -actin)



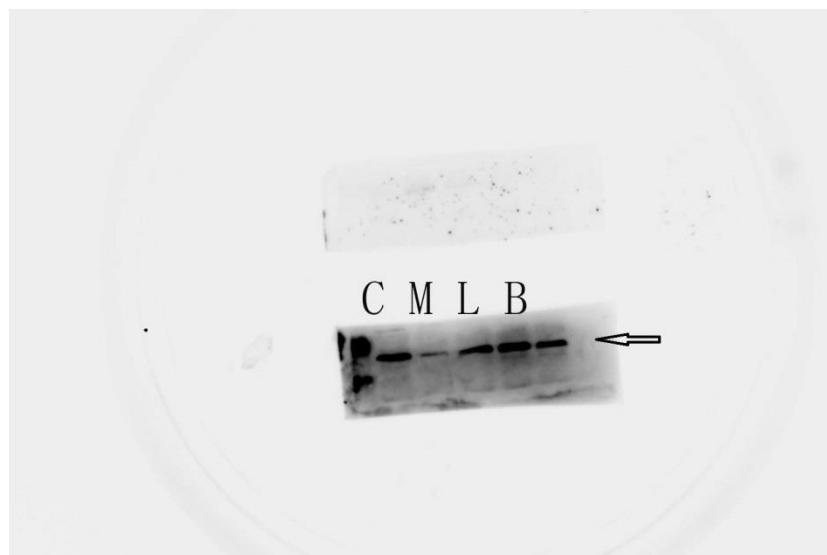
**13. The full-length gels:** Fig.10-Ang 2



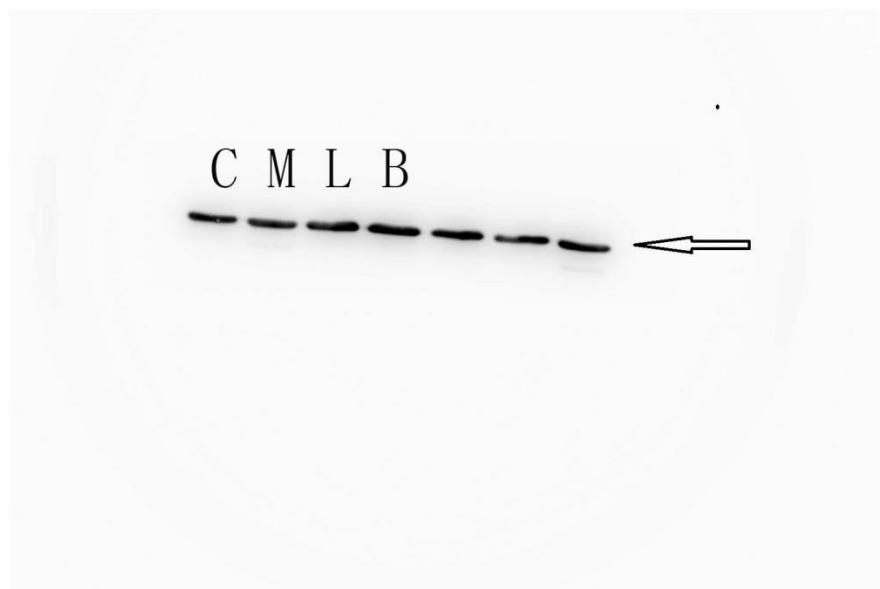
**14. The full-length gels:** Fig.10-Ang 2( $\beta$ -actin)



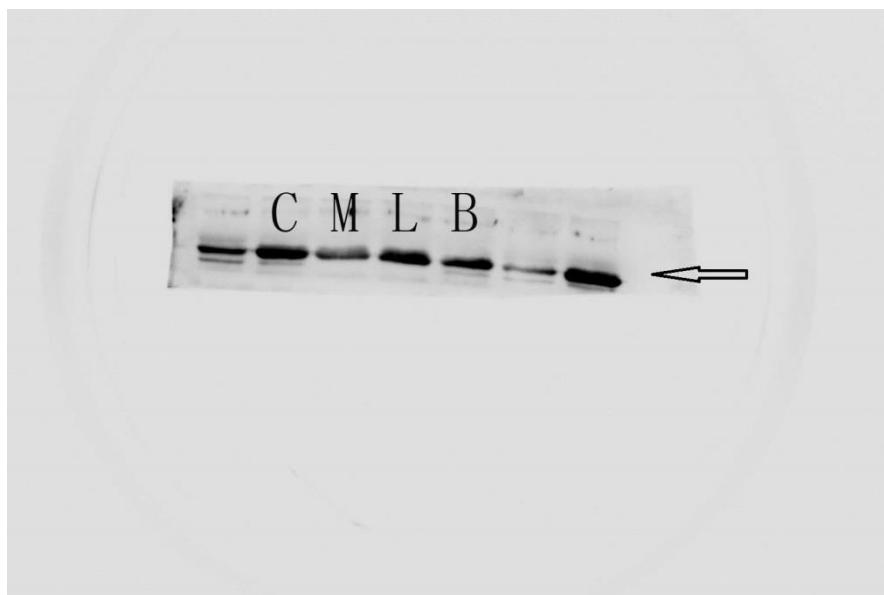
**15. The full-length gels:** Fig.10-MAS



**16. The full-length gels:** Fig.10-MAS ( $\beta$ -actin)



**17. The full-length gels:** Fig.11-LXR- $\alpha$



**18. The full-length gels:** Fig.11-LXR- $\alpha$  ( $\beta$ -actin)

