### Additional file 2

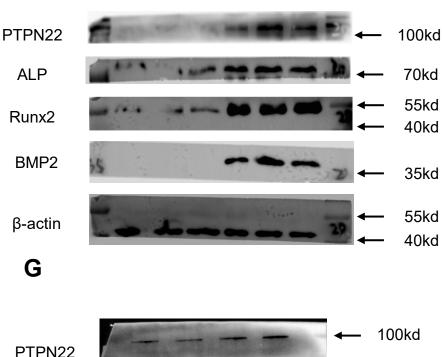
# Targeted inhibition of PTPN22 is a novel approach to alleviate osteogenic responses in aortic valve interstitial cells and aortic valve lesions in mice

Shunyi Li <sup>1, 2</sup>, Zichao Luo <sup>1, 2</sup>, Shuwen Su <sup>1, 2</sup>, Liming Wen <sup>1, 2</sup>, Gaopeng Xian <sup>1, 2</sup>, Jing Zhao <sup>3</sup>, Xingbo Xu <sup>4</sup>, Dingli Xu <sup>1, 2, \*</sup>, Qingchun Zeng <sup>1, 2, \*</sup>

- <sup>1</sup> State Key Laboratory of Organ Failure Research, Department of Cardiology, Nanfang Hospital, Southern Medical University, Guangzhou, 510515, China
- <sup>2</sup> Guangdong Provincial Key Laboratory of Cardiac Function and Microcirculation, Southern Medical University, Guangzhou,510515, China
- <sup>3</sup> State Key Laboratory of Quality Research in Chinese Medicine, Institute of Chinese Medical Sciences, University of Macau, Macau, China
- <sup>4</sup> Department of Cardiology and Pneumology, University Medical Center of Göttingen, Georg-August-University, Göttingen, Germany
- \*Corresponding authors. E-mail: dinglixu@smu.edu.cn (D.X.); qingchunzeng@smu.edu.cn (Q.Z.)

Figure 1

Ε



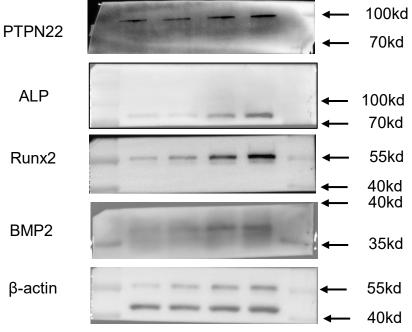
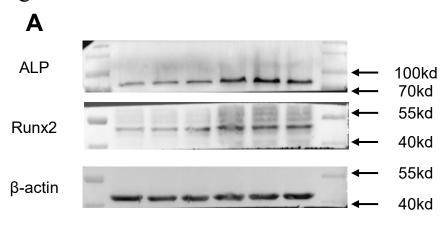


Figure 2



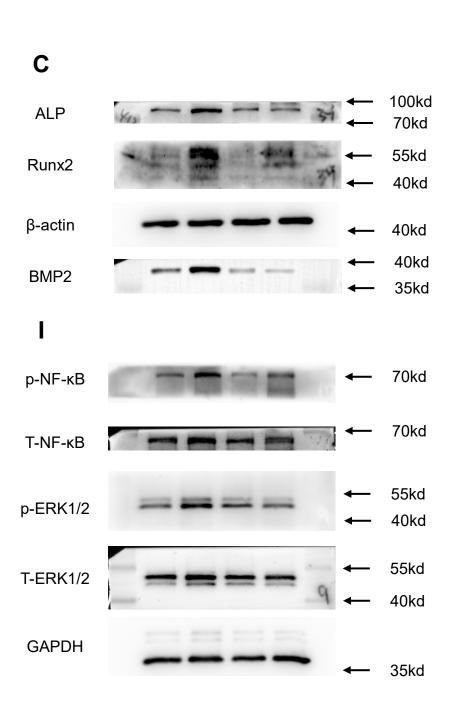
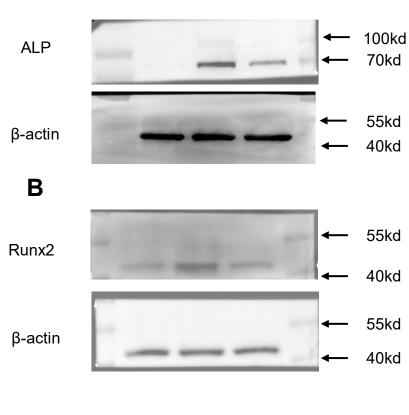


Figure 5





# C

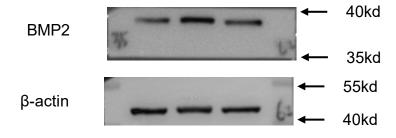
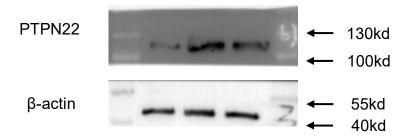
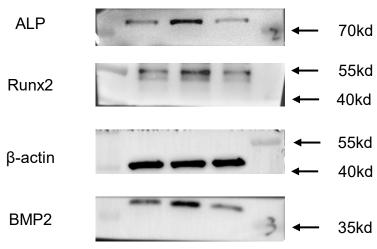


Figure 6





### D



### F

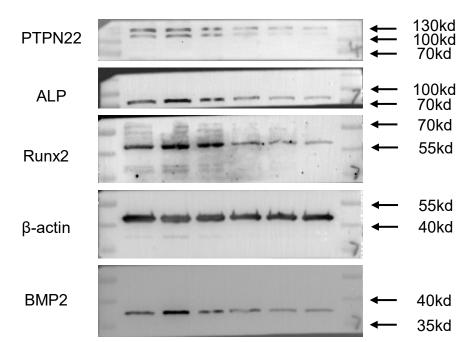


Figure 6

## Н

