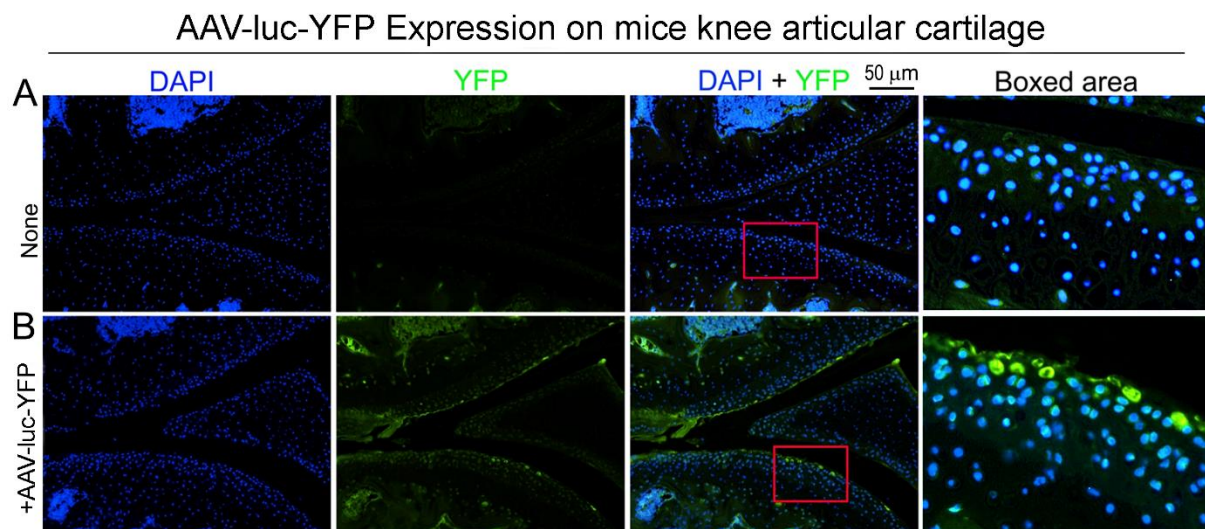


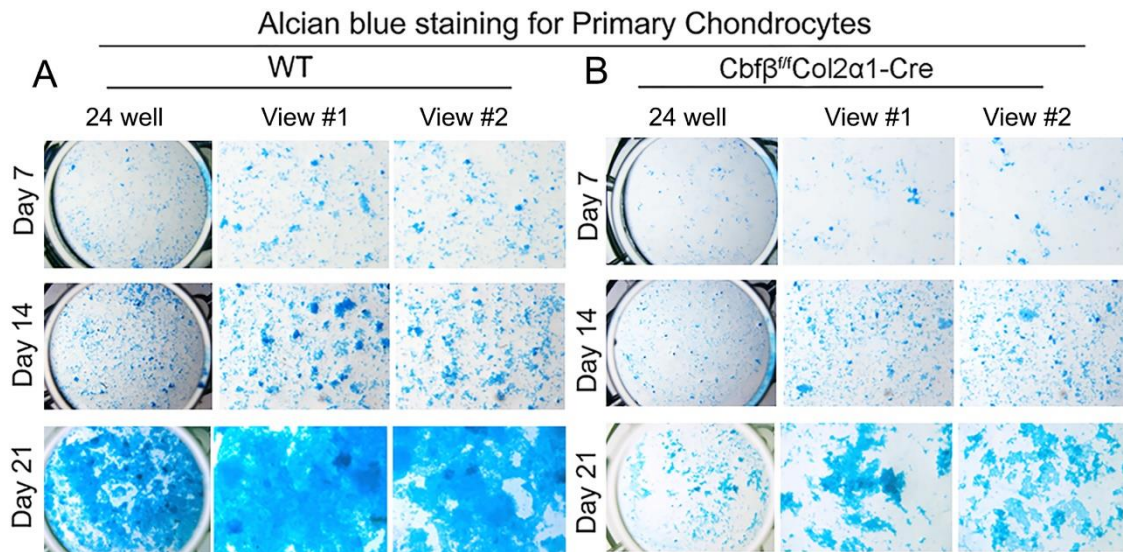
## **Cbfb regulates Wnt/ $\beta$ -catenin, Hippo/Yap, and TGF $\beta$ signaling pathways in articular cartilage homeostasis and protects from ACLT surgery-induced osteoarthritis.**

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### **SUPPLEMENTAL FIGURES AND FIGURE LEGENDS**



**Supplementary Figure 1. Successful AAV-luc-YFP infection in mice** Observed by fluorescence microscope. **(A)** DAPI staining for 8-weeks-old male mouse knee articular cartilage Observed by fluorescence microscope. **(B)** DAPI staining and expression for YFP in 8-weeks-old male mice knee articular cartilage Observed by fluorescence microscope. Scale bar: 50  $\mu\text{m}$  (A, B). (n=3)



**Supplementary Figure 2. Alcian Blue staining of primary chondrocytes from *Cbfβ* deficient newborn mice show reduced matrix deposition. (A)** Alcian Blue staining of newborn WT mouse primary chondrocytes. **(B)** Alcian Blue staining of newborn (P0) *Cbfβ<sup>ff</sup>/Col2α1-Cre* mouse primary chondrocytes. (n=5)