

Supplementary Figure

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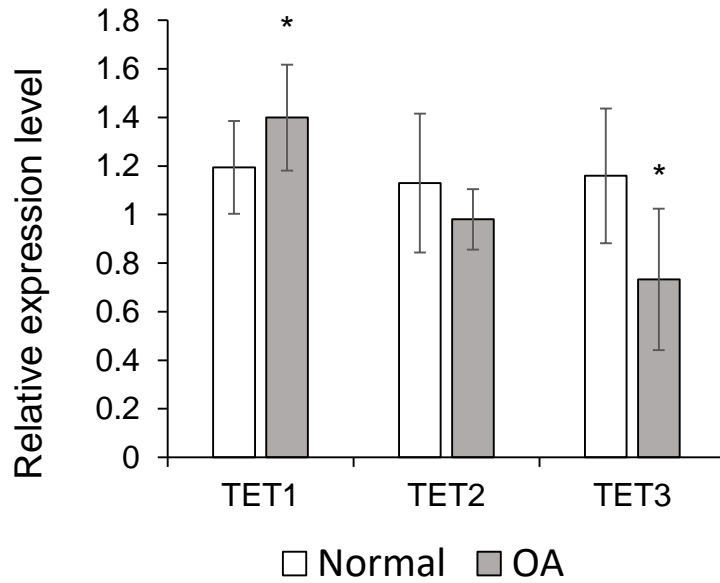
TWIST1 induces MMP3 expression through up-regulating DNA hydroxymethylation and promotes catabolic responses in human chondrocytes

Supplementary Figure S1

The TETs expression in normal and OA-affected human cartilage tissue.

Supplementary Figure S2

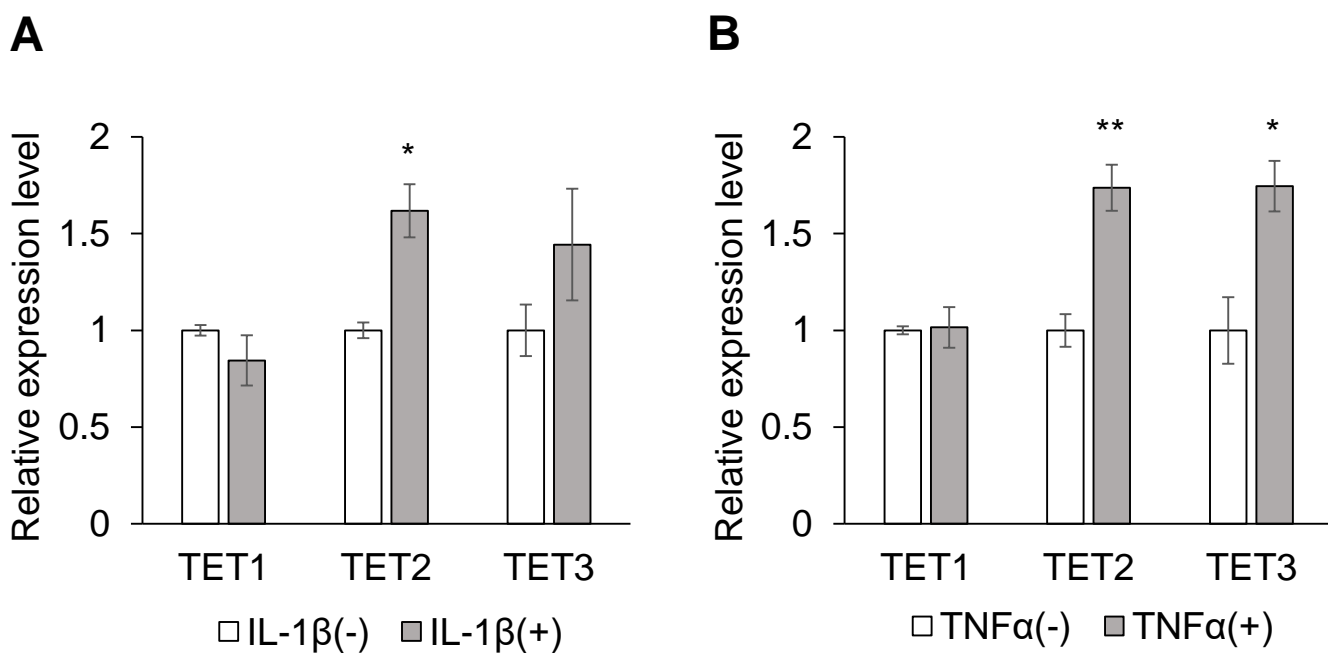
The TETs expression change after IL-1 β or TNF α stimulation in human chondrocyte.



Supplementary Figure S1

The TETs expression in normal and OA-affected human cartilage tissue.

TWIST1 gene expression in cartilage tissues from 6 normal donors and 6 OA donors were analyzed by real-time PCR. TETs gene expression levels in OA cartilage tissues are relative to normal cartilage tissues. Values are the mean \pm SEM ratio.



Supplementary Figure S2

The TETs expression change after IL-1 β or TNF α stimulation in human chondrocytes. **A**, The relative TETs expression after IL-1 β stimulation. **B**, The relative TETs expression after TNF α stimulation. Values are the mean \pm SEM ratio. * = P < 0.05, ** = P < 0.01.

Supplementary Materials and Methods

Quantitative real-time PCR analysis.

To confirm the TETs gene expression in human normal and OA chondrocytes, the chondrocytes were seeded on 6-well plates 24 hours before Ad-GFP or Ad-TWIST1 infection at an MOI of 100 PFUs/cell. 72 hours after viral infection, the TETs gene expressions were analyzed by real-time qRT-PCR. To confirm the TETs expression change after IL-1 β or TNF α stimulation in human chondrocytes, the chondrocytes were seeded on 6-well plates 24 hours before IL-1 β or TNF α stimulation. After 12 hours cytokine treatment, TETs gene expression were analyzed by real-time qRT-PCR.