

Supplementary figure legends

Figure S1 Diagram of selected region of interest in micro-CT analysis

(A) The schematics semi-arched ROI in subchondral bone, which defined at 100µm below the osteochondral interface of the temporomandibular condyle head. (B) The system operation interface of defining the region of interest.

Figure S2 Full western blot acquisitions for cropped images in Figure 5