**Supplementary Figure legend**

**Supplementary Fig S1.** Results of the multiple comparison tests concerning the histological assessment before the tensile process.

**Supplementary Fig S2.** Results of surface analysis for evaluating thicknesses of the collagen fibers after the tensile process.

**Supplementary Fig S3.** Tensile process for tendon gel. (a) Tensile process unit. (b) Tendon gel after the tensile process (white arrow)