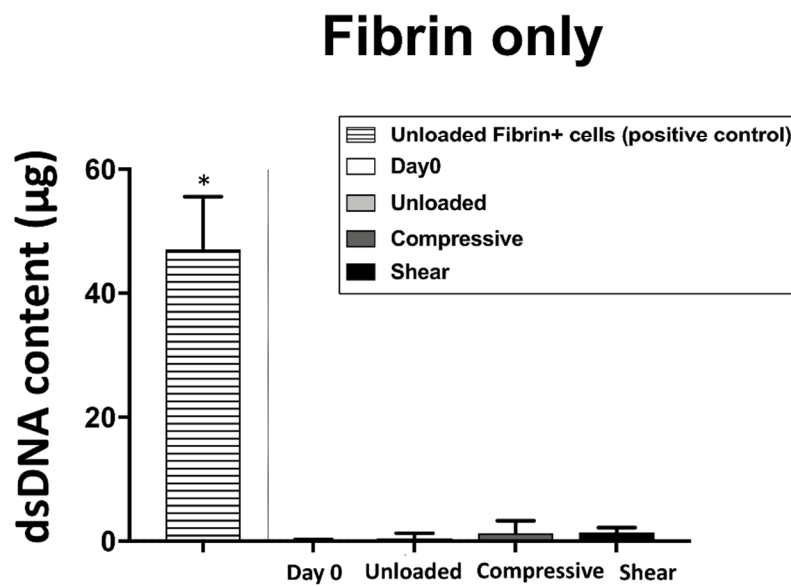


Appendix Figure A1. (A) Immunohistochemistry for proteoglycan 4 (PRG4). Adult bovine cartilage was used as positive control. Negative control treated without primary antibody (PRG4). Bars, 200 μm. (B) Gene expression of fibrin + cells group cultured under three mechanical loading conditions was analyzed by qRT-PCR for *PRG4*. All expression levels are calculated relative to day 0 controls. Comparison with day 0 controls against other time points within the same loading condition were not significantly different ($p > 0.05$). Comparison between loading conditions at the same time point did not yield significant differences. ($p > 0.05$). Sample number of positive control is one, and all other conditions are n=3.



Appendix Figure A2. Day 14 dsDNA content, by loading condition. * = significantly higher than day 0 and day 14 of all loading conditions ($p < 0.05$).