Fig. S1. Validation of fibroblast cell origin. Tissue from sectioned rainbow trout muscle tissue (A) and cultured cardiac fibroblasts (B) stained with CD-31 antibody to determine presence or absence of endothelial cells. Muscle tissue is presented at 200 x magnification whereas cells are imaged at 600 x. Cells did not give a distinct CD-31 signal indicating the lack of endothelial cell marker presence. Scale bars = 50 µm (A), 20 µm (B).
**Fig. S2. Mycoplasma test.** Representative image of cultured fibroblasts cells stained with Hoechst 33258 stain for mycoplasma. Image taken at 600 x water immersion. All lines were tested and none were positive for mycoplasma (no nucleated particles surrounding fibroblast nucleus).
Fig. S3. Total protein stained by coomassie blue used to standardize collagen type I. Normalizing gel was run at the same time as gel used for Western blotted membrane with identical volumes of protein from the same sample tubes.