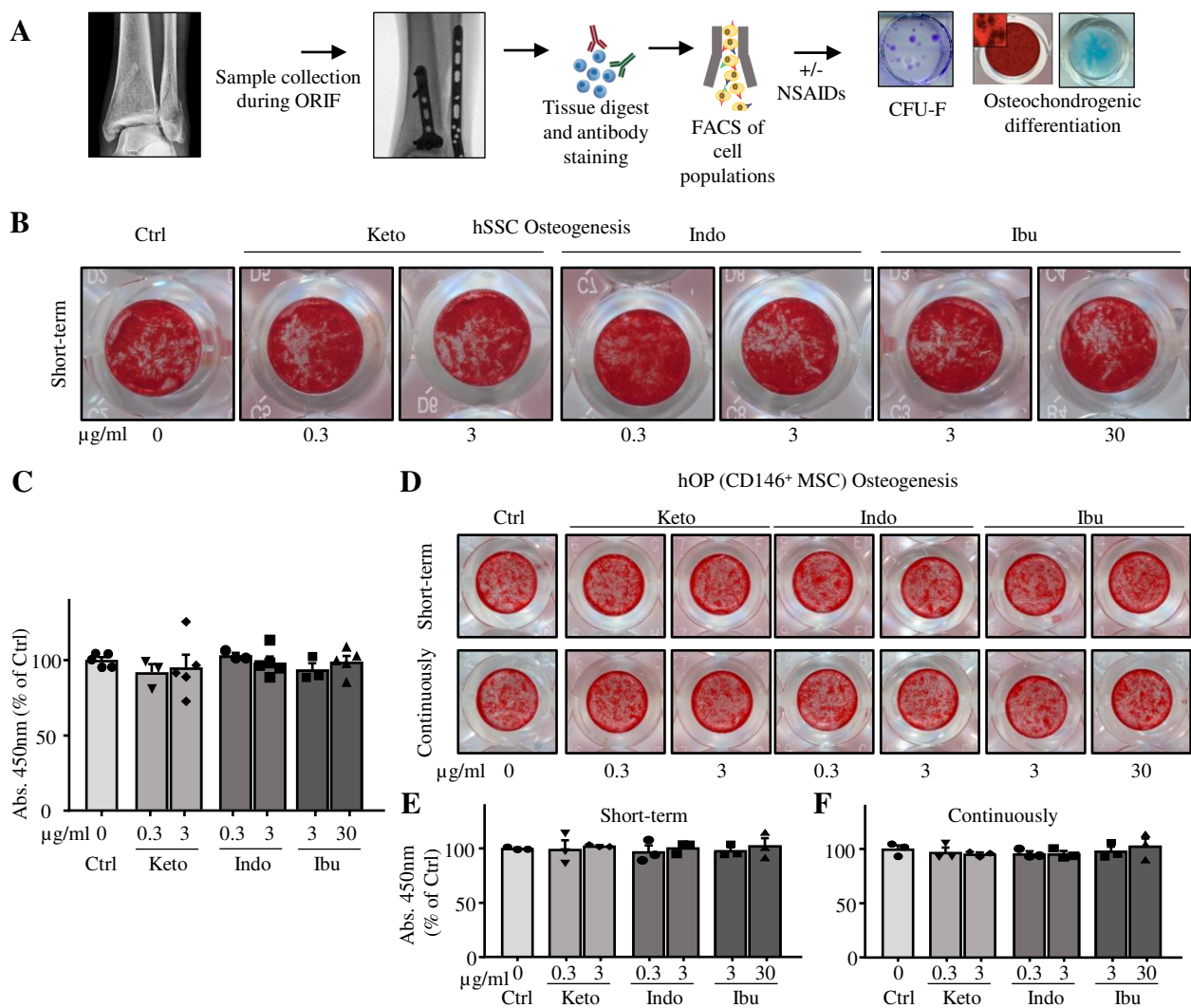


Supplemental Figure 3



Supplemental Figure 3: NSAIDs do not alter in vitro osteogenesis of human osteoprogenitors (hOPs). (A) Schematic of isolation of cells from fracture samples and in vitro assays performed. (B) Representative images of osteogenesis assays of fracture derived hSSCs stained with Alizarin Red S differentiated in the absence or presence of NSAIDs for the first three days (short-term) of osteogenesis. (C) Quantification of short-term NSAID-treated hSSC osteogenesis. n=3-6 individual replicates of donor hSSCs. (D) Representative images of osteogenesis assays of fracture derived hOPs stained with Alizarin Red S differentiated in the absence or presence of NSAIDs for short-term or the whole course (continuous) of osteogenesis. (E) Quantification of short-term NSAID-treated hOP osteogenesis. n=3 individual replicates of donor hSSCs. (F) Quantification of continuously NSAID-treated hOP osteogenesis. n=3 individual replicates of donor hSSCs. All data shown as mean + SEM. Results from at least two independent experiments. Statistical testing versus control group by unpaired Student's t-test with Welch's correction for unequal variances where necessary.