



Fig. S4: RT-PCR confirmation of differential expression of selected inflammation- and cartilage-related genes in a separate group of ten patients. Chondrocytes isolated from OA patients were cultured for 24 h in the presence of IL-1 β (100 pg/ml) with or without ibuprofen (10 μ M). mRNA expression levels of *PPAR γ* (A), *PPARGC1B* (B), *CSF2* (C), *IL23* (D), *HAS1* (E), *IGFBP4* (F), *ADAMTS6* (G) and *IL6* (H) were studied with quantitative RT-PCR and normalized against GAPDH. The results were compared against control, which was set as 100 %. The results are expressed as mean \pm SEM, n = 10. *: $p < 0.05$, **: $p < 0.01$ and ***: $p < 0.001$, compared to the cells treated with IL-1 β alone.