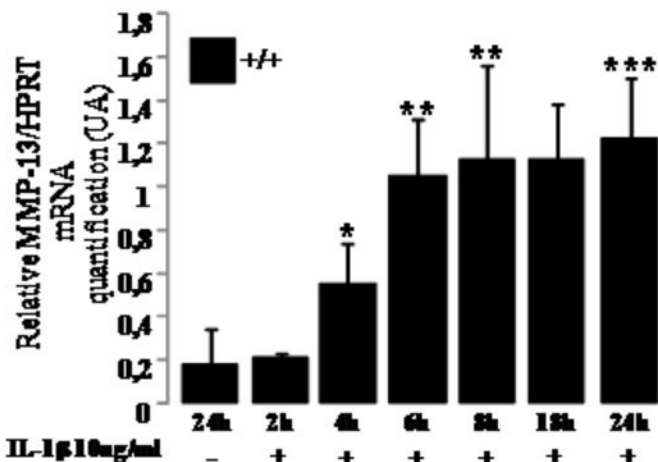


Figure S1: Kinetics of MMP-13 and MMP-3 expression in wild-type mPGES-1 iMACS stimulated by IL-1b. Wild-type mPGES-1 iMACs were serum starved and then stimulated with 10ng/ml IL-1b up to 24 hours. Total RNA or total intra-cellular protein were extracted in order to assay respectively MMP-3 and MMP-13 mRNA or protein levels. Media from cells incubated were assayed for analysing MMP-3 and MMP-13 release into the media. A, B- Effect of IL-1b on the synthesis of MMP-3 and MMP-13 mRNA in +/+ iMACs. The mRNA expression of MMP-3 and MMP-13 in chondrocytes was determined by RT-PCR. Values are the mean  $\pm$  SD of 6 independent experiments with n=1/group/experiment, analyzed in duplicate. C, D- Effect of IL-1b on MMP-3 and MMP-13 protein expression and release in +/+ iMACs. MMP-13 and MMP-3 protein expression and their secretion into the medium were assessed by immunoblotting. Blots in C and D are representative of 3 independent experiments. \* =  $p \leq 0.05$ , \*\* =  $p \leq 0.01$  and \*\*\* =  $p \leq 0.001$  versus wild-type control. HPRT = hypoxanthine guanine phosphoribosyltransferase.

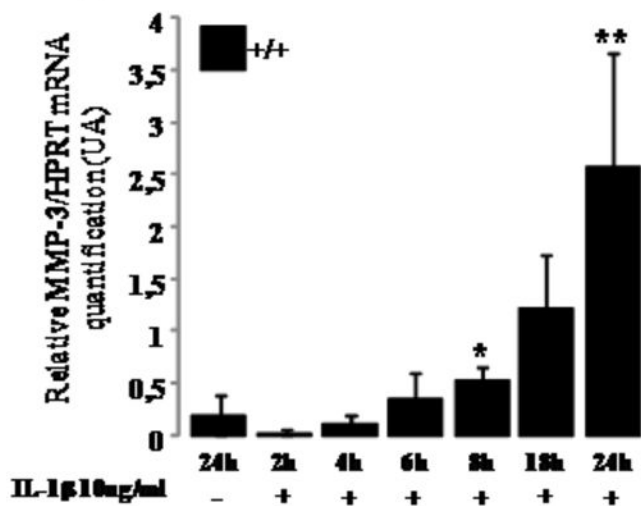
Figure S2: Kinetics of TIMP-1, -2, -3 and -4 mRNA expression in wild-type mPGES-1 iMACS stimulated by IL-1b. Wild-type mPGES-1 iMACs were serum starved and then stimulated with 10ng/ml IL-1b up to 24 hours. Total RNA were extracted in order to assay TIMP-1, -2, -3 and -4 mRNA expression level. The mRNA expression of TIMP-1, -2, -3 and -4 in chondrocytes was determined by RT-PCR. Values are the mean  $\pm$  SD of 6 independent experiments with n=1/group/experiment, analyzed in duplicate. \* =  $p \leq 0.05$ , \*\* =  $p \leq 0.01$  and \*\*\* =  $p \leq 0.001$  versus wild-type control. HPRT = hypoxanthine guanine phosphoribosyltransferase.

# Online Supplement Figure S1 (Gosset M et al)

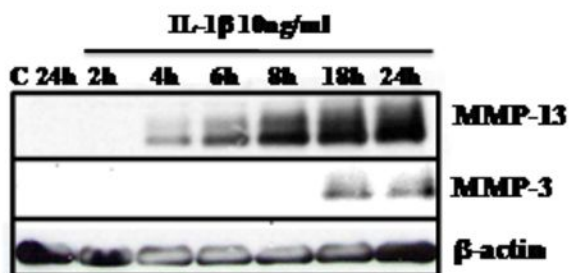
A-



B-



C-



D-



## Online Supplement Figure S2 (Gosset M et al)

