A

B

mean pixel value

MMP13
modulation

maximum
Inhibition
of pp38

MMP13
down-regulation

pp38 - inhibitor

pp38 + inhibitor

pp42/44 - inhibitor

pp42/44 + inhibitor

mechanical strain (h)

relative gray pixel value

-62%

-28.6%

-24.3%

-24.3%

-34.1%

mechanical strain (h)