

**Supplementary Table 3 Expression profiles of MMPs in aHSCs**

Expression intensity values of MMP genes in aHSCs were analyzed using SurePrint G3 Rat GE 8x60K Microarray (Agilent Technologies). Values were expressed as a means±SD of 3 independent experiments. Transcript Profiling of microarray data was submitted (accession number: E-MTAB-2081, <http://www.ebi.ac.uk/arrayexpress/>). For reference, values of HSC-2 cell line obtained from database of ArrayExpress (<http://www.ebi.ac.uk/arrayexpress/>) were listed. Substrates and inhibitors (TIMPs) corresponding to each MMP were also listed for reference.

Gene symbols	Expression intensity value	Data base	Substrate (ECM)	Inhibition by
	aHSC	Rat (HSC-2 cell line)		
MT1-MMP	51864±4797	7048	Collagen I	TIMP-2
MMP12	39958±17141	26	Elastin	
MMP2	34387±3689	6436	Gelatin	TIMP-1
MMP23	19157±421	1936	Gelatin	TIMP-1
MMP17	3426±302	99	Gelatin	
MMP7	1179±1298	34	Collagen I, Gelatin	TIMP-1
MMP3	853±250	20	Collagen telopeptides, Gelatin	TIMP-1
MMP16	746±92	832	Gelatin	TIMP-2
MMP28	624±17	55		
MMP9	490±262	20	Gelatin	TIMP-1
MMP19	447±38	220	Gelatin	
MMP15	287±42	33	Fibronectin, Laminin	TIMP-2
MMP10	81±24	22	Gelatin	
MMP24	63±16	40	Gelatin	
MMP11	57±15	399	Gelatin	
MMP13	13±3	20	Collagen I, Gelatin	
MMP8	5±1	20	Collagen I, II, III, aggrecan	
TIMP-1	88665±7294	3384		
TIMP-2	219456 ±2030	5246		