

Table S9 Comparison of proteins identified in the secretome (EVs and sSASP) of VSMCs and fibroblasts and epithelial cells (SASP Atlas data); (**bold font** – $p < 0.001$; ↑ higher level in VSMC)

H₂O₂ – hydrogen peroxide induced senescence, IR – X radiation induced senescence, RS – replicative senescence,

Proteins common for EVs from H₂O₂ VSMC, RS VSMC, IR fibroblasts

H ₂ O ₂ VSMC – IR fibro		H ₂ O ₂ VSMC– RS VSMC– IR fibro			RS VSMC– IR fibro	
Protein ID	fold change log ₂	Protein ID	fold change H ₂ O ₂	fold change RS	Protein ID	fold change log ₂
WNT5A	3,34 ↑	SERPINF1	2,67 ↑	1,74 ↑	CALR	0,75
A2M	1,81	THBS1	0,81	1,54	COL4A2	0,75
FBLN1	1,2	GPX1	0,46	0,41	PDIA3	0,71
CLU	0,9	PLOD1	0,4	0,47	P4HB	0,68
ITIH2	0,84	TNC	0,44	0,41	FKBP10	0,67
POSTN	0,6	LRP1	0,18	0,3	HSPA5	0,6
COL12A1	0,57	CLTC	0,16	0,29		
PTX3	0,55					
PXDN	0,53					
ACTN1	0,53					
GREM1	0,41					
LCAT	0,36					
COL1A2	0,35					
C1R	0,34					
GFPT1	0,34					
C1S	0,33					
TGFBI	0,3					
IARS	0,2					
EMILIN1	0,18					
RUVBL2	0,09					

Proteins common for sSASP form H₂O₂ VSMC, RS VSMC, IR fibroblasts, IR epithelial cells

H ₂ O ₂ VSMC – IR fibro – IR epi		H ₂ O ₂ VSMC – RS VSMC – IR fibro			H ₂ O ₂ VSMC – RS VSMC – IR epi		
Protein ID	fold change log ₂	Protein ID	fold change H ₂ O ₂	fold change RS	Protein ID	fold change H ₂ O ₂	fold change RS
GDF15	0,91	IGFBP5	1,47	2,71	ARSA	2,31 ↑	2,77 ↑
		ALDOC	1,06 -	2,13 ↑			

H ₂ O ₂ VSMC – IR fibro		H ₂ O ₂ VSMC – IR epi		RS VSMC – IR fibro		RS VSMC – IR epi	
Protein ID	fold change log ₂	Protein ID	fold change log ₂	Protein ID	fold change log ₂	Protein ID	fold change log ₂
RBP4	2,77	CAPNS1	2 ↑	<u>FN1</u>	4,03 ↑	ACTC1	2,78 ↑
GC	2,68 ↑	TGM2	1,99 ↑	PLOD3	1,13	<u>ATP6V1B2</u>	1,85 ↑
TGFBI	2,25 ↑	PRDX3	0,96 ↑			PPP2R1A	1,7 ↑
CTGF	2,2 ↑						
CTHRC1	1,35 ↑						
GDI1	0,72						
THBS1	0,6						
TPI1	0,59						
VCL	0,2						