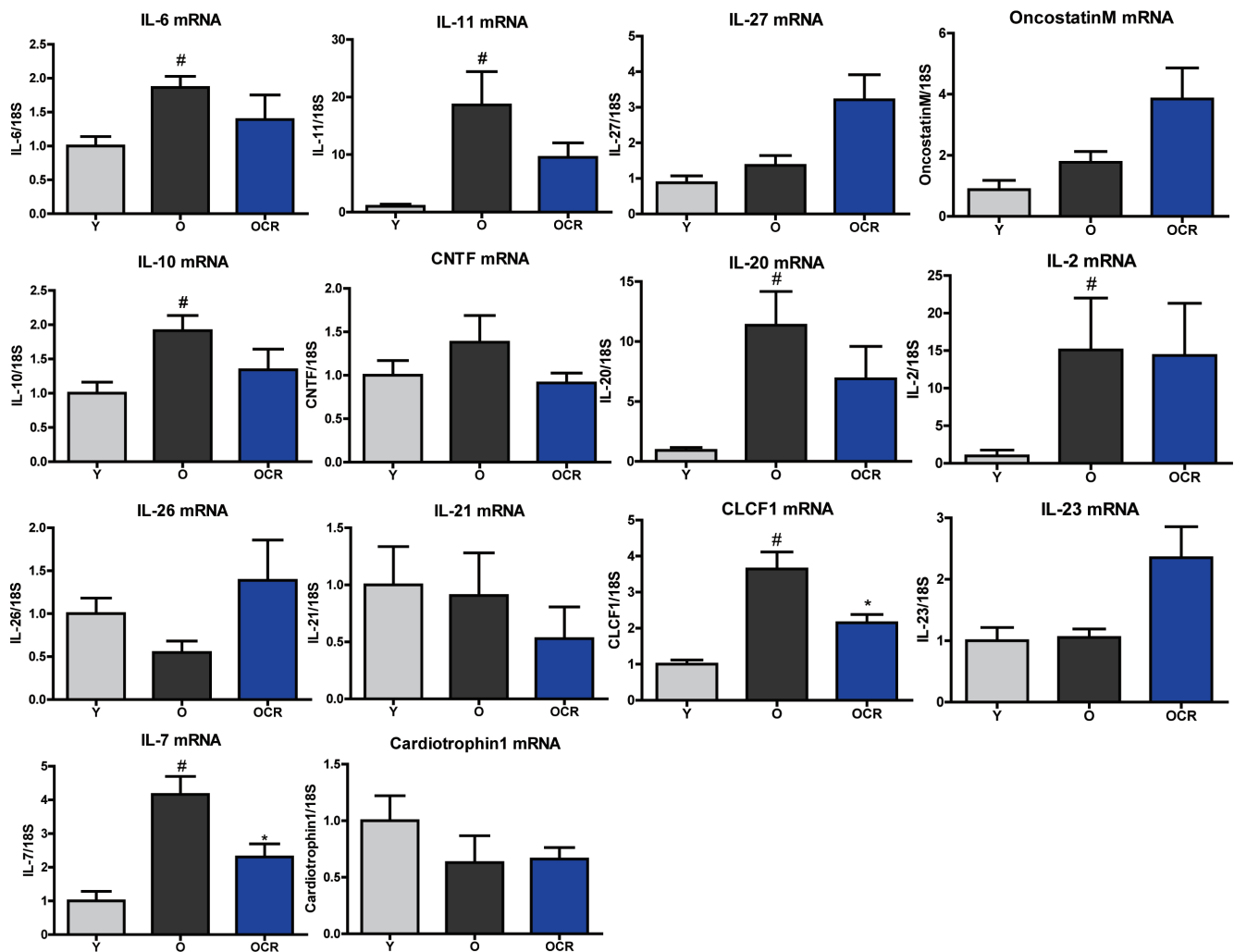
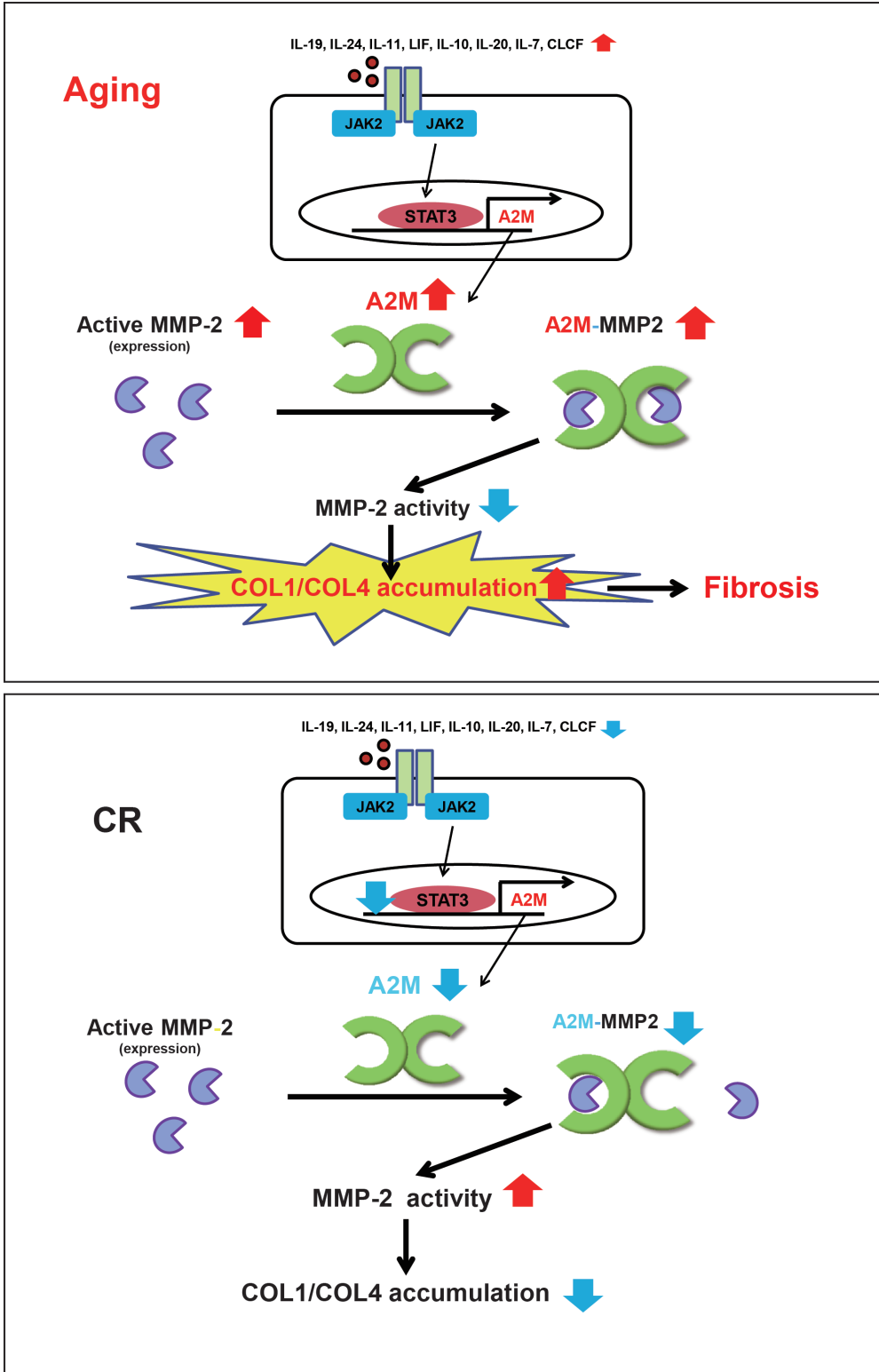


MMP2-A2M interaction increases ECM accumulation in aged rat kidney and its modulation by calorie restriction

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: Screening of STAT-3 activating cytokines in kidney



Supplementary Figure 2: Graphical abstract

Supplementary Table 1: Primary antibodies used in experiments

Antibody	Host animal	Dilution	Company
MMP-2	Mouse	1:1000	Santa Cruz (sc-13594)
COL1	Mouse	1:1000	Santa Cruz (sc-80760)
COL4A1/3	Goat	1:1000	Santa Cruz (sc-9301)
A2M	Rabbit	1:1000	Proteintech (13545-1-AP)
β -actin	Mouse	1:2000	Santa Cruz (sc-47778)
TF-IIB	Rabbit	1:1000	Santa Cruz (sc-225)
p-STAT3 (Tyr705)	Rabbit	1:1000	Cell Signaling (#9131)

Supplementary Table 2: Primer sequences for qPCR

Gene	Forward (5'-3')	Reverse (3'-5')
<i>MMP2</i>	TGT CTC CCC CAA AAC AGA CA	CAT CTG GGT TGC CAC ATC TT
<i>A2M</i>	AAA GTC TGC GAA CGG CTC AG	CAC TTC AGC CAC TCC TGC TG
<i>IL-6</i>	TCA TTC TGT CTC GAG CCC AC	GAA GTA GGG AAG GCA GTG GC
<i>IL-11</i>	TAG CAA ACG GAC CGAAAC AC	TGC GTG ACT TT GCT GAAAC
<i>LIF</i>	AAA AAC CTC AAC CCC ACT GC	TTG TTG CAC AGA CGG CAA AG
<i>OncostatinM</i>	TCC TGT TCC TGA GCA TGT CAT G	AGC GTG TTC AGG TTT TGG TG
<i>CNTF</i>	ACA GAA GCA AAC CAG CTC AC	AGG TGT TTG CTC TGC GAA AG
<i>IL-27</i>	TTT GCT GAA TCT CGC TTG CC	TCA GGG AAA CAT TGG GGA GAT G
<i>IL-10</i>	AAG ACC AGC AAA GG CAT TC	TAT GTT GTC CAG CTG GTC CTT C
<i>IL-19</i>	ACA GCT GCC TTC CAT CGT TG	GAG GCG CAT GTC CAC AGA AA
<i>IL-20</i>	TTG TGG CGA AGA AGC AAT GG	AGA ATG CCT AGT TCC CCC AAA G
<i>IL-22</i>	TCA ACC GCA CCT TTA TGC TG	TCA AGG GTG AAG TTG AG AC
<i>IL-24</i>	GGA CAA TGC CAT GCT TCC CA	GGC ACGGAG AA AAA GGA GG
<i>IL-26</i>	TTG CCA TTG CCA AGC ACA AG	ATC GTT GCT TTG AGC CAT GC
<i>IL-2</i>	TGC AGC GTG TGT TGG ATT TG	TGG CTC ATC ATC GAA TTG GC
<i>IL-7</i>	AAT TCC TCC CCT GAT CCT TGT G	CAA AGG CTT TAC CGT CCT TGT C
<i>Cardiotrophin1</i>	ACA GAC ACA CAA CCT TGC AC	GTT GCT GCA CAT ATT CCT CCA G
<i>CLCF1</i>	TGC TTT CTG CTT GCC ACT TG	AAA GGC ACA TGC TAC AGT GGF
<i>IL-21</i>	CCA TAA ATC AAG CCC CCA AAG G	TGC TCA CAT TGC CCC TTT AC
<i>IL-23</i>	CAG TGT GGT GAT GGT TGT GAT C	TTG GCG GAT CCT TTG CAAAC
<i>GAPDH</i>	TGC TGG TGC TGA GTA TGT CG	AGT TGG TGG TGC AGG ATG C
<i>18S</i>	GAC AAC AAG CTG CGT GAG GA	GTG GTC TTG GTG TGC TGA CC