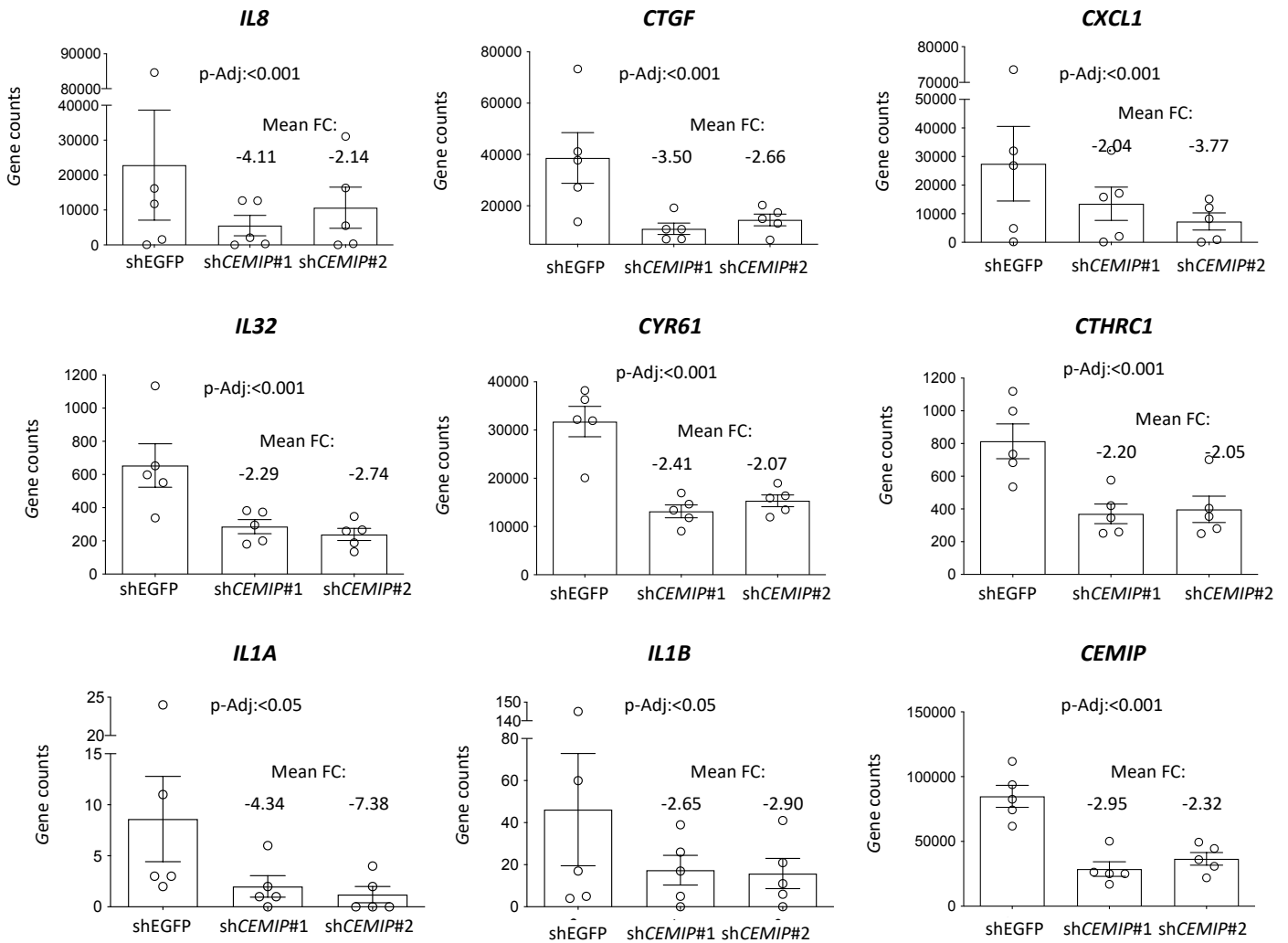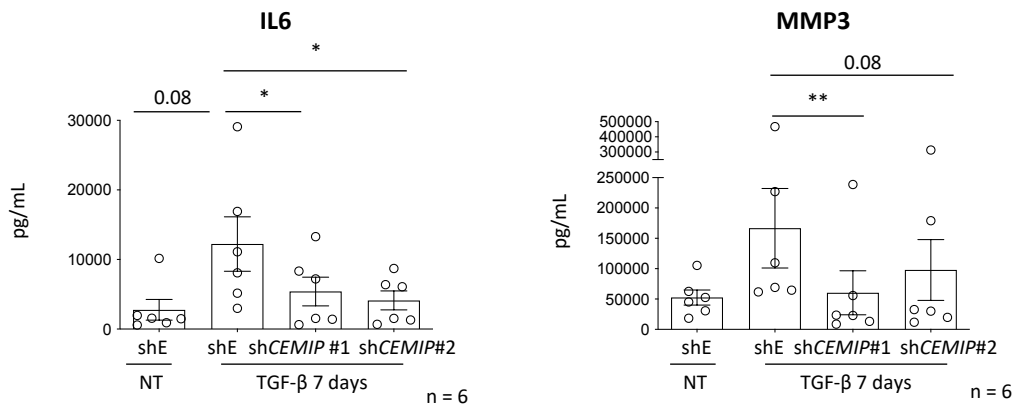**Supplementary data 1**

CEMIP depletion decreased gene expressions belonging to inflammatory response and EMT pathways

Normalized gene counts of *IL8*, *CTGF*, *CXCL1*, *IL32*, *CYR61*, *CTHRC1*, *IL1A*, *IL1B* and *CEMIP* in CEMIP depleted cells (sh*CEMIP* #1 and #2) compared to non-depleted cells (shEGFP) . p-value adjusted (p-Adj) and Fold change (FC) between sh*CEMIP* (#1 or #2) and shEGFP from differential expression analyses performed with DESeq2.
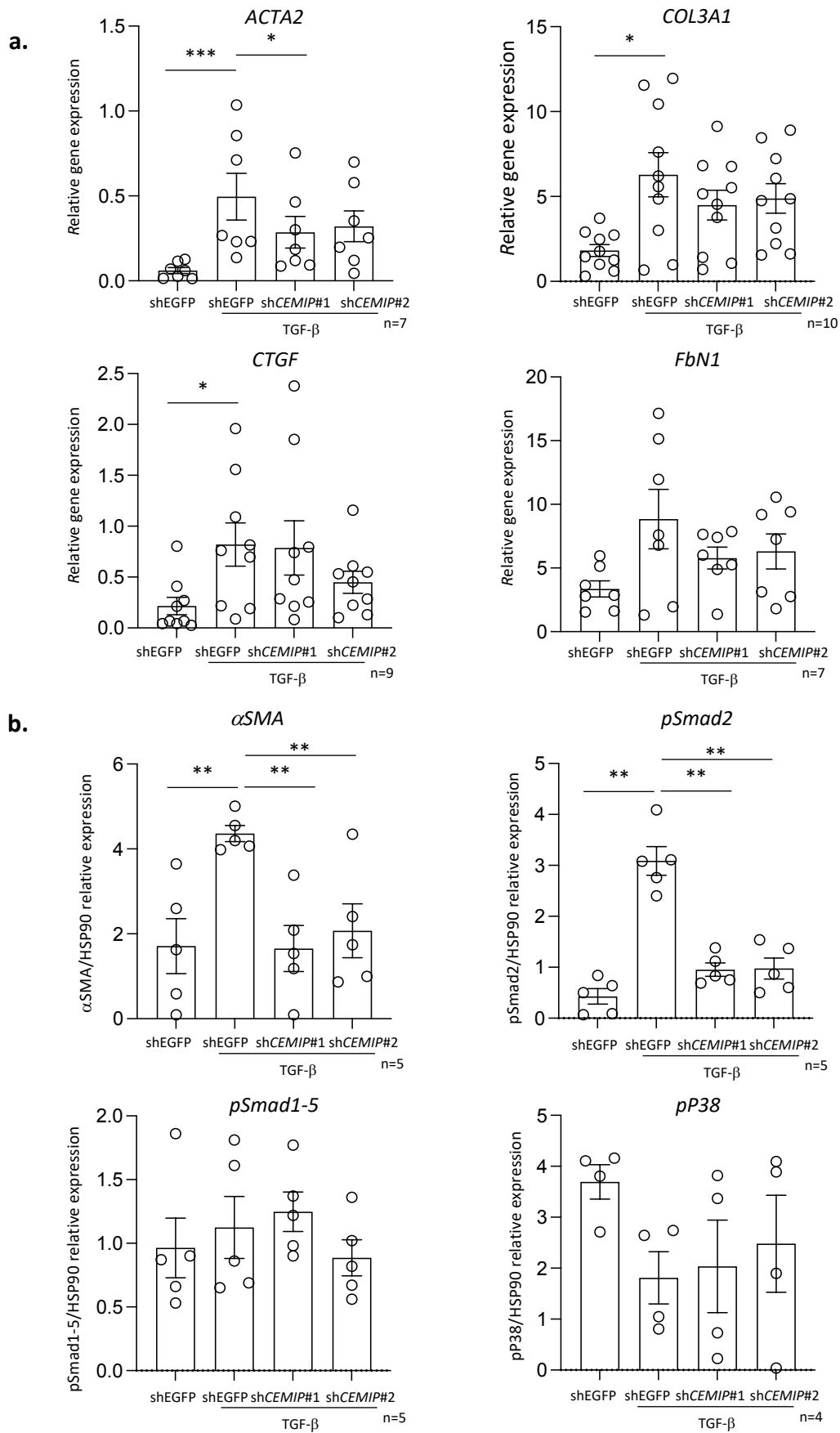
Supplementary data 2

CEMIP regulates inflammation induced by TGF-β
ELISA analysis of IL-6 (left) and MMP-3 (right) secretion in *CEMIP* depleted cells (sh*CEMIP* #1 and #2) stimulated with TGF-β for 7 days compared to non-depleted cells (shEGFP) stimulated or not with TGF-β for 7 days (n=6).
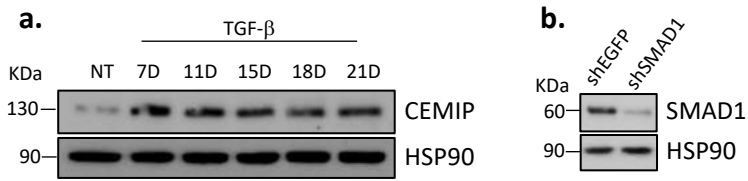
Supplementary data 3

a.

ACTA2

COL3A1

CTGF

FbN1

b.

αSMA

pSmad2

pSmad1-5

pP38

Regulation of fibrosis markers and TGF-β signaling by Cemip after 1 day of TGF-β treatment

RT-qPCR analysis of *ACTA2 (n=7), COL3A1 (n=10), CTGF (n=9) and FbN1 (n=7)* genes in CEMIP-silenced FLS (shCEMIP#1 and shCEMIP#2) compared to non- silenced cells (shEGFP) treated or not with TGF-β for 1 days (a). Western blot quantifications of aSMA (n=5), pSmad2 (n=5), pSmad1/5 (n=5) and p-p38 (n=4) in CEMIP-silenced cells (shCEMIP#1 and shCEMIP#2) compared to non-silenced cells (shEGFP) treated or not with TGF-β for 1 days.

Supplementary Data 4

a.

TGF-β

KDa	NT	7D	11D	15D	18D	21D	
130—							CEMIP
90—							HSP90

b.

shEGFP shSMAD1

KDa			
60—			SMAD1
90—			HSP90

TGF-β stimulation induces CEMIP expression

Representative western blot analysis of CEMIP expression after TGF-β stimulation during, 7, 11, 15, 18 and 21 days (a). Representative western blot analysis of SMAD1 expression after treatment with shEGFP and shSMAD1 (b).