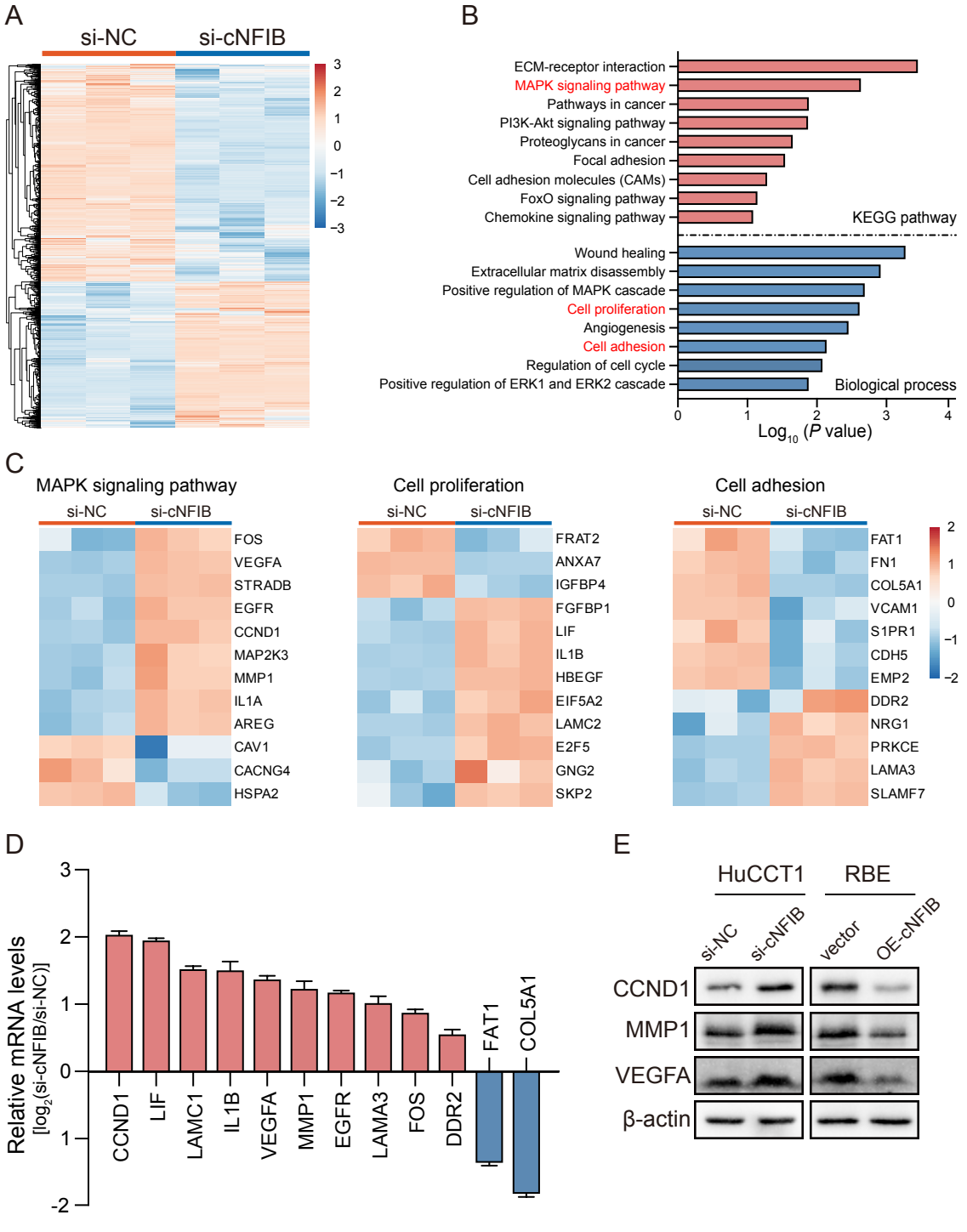
Figure S4


A
si-NC
si-cNFIB
3
2
1
0
−1
−2
−3
B
ECM-receptor interaction
MAPK signaling pathway
Pathways in cancer
PI3K-Akt signaling pathway
Proteoglycans in cancer
Focal adhesion
Cell adhesion molecules (CAMs)
FoxO signaling pathway
Chemokine signaling pathway
KEGG pathway
Wound healing
Extracellular matrix disassembly
Positive regulation of MAPK cascade
Cell proliferation
Angiogenesis
Cell adhesion
Regulation of cell cycle
Positive regulation of ERK1 and ERK2 cascade
Biological process
0
1
2
3
4
Log10 (P value)
C
MAPK signaling pathway
si-NC
si-cNFIB
FOS
VEGFA
STRADB
EGFR
CCND1
MAP2K3
MMP1
IL1A
AREG
CAV1
CACNG4
HSPA2
Cell proliferation
si-NC
si-cNFIB
FRAT2
ANXA7
IGFBP4
FGFBP1
LIF
IL1B
HBEGF
EIF5A2
LAMC2
E2F5
GNG2
SKP2
Cell adhesion
si-NC
si-cNFIB
FAT1
FN1
COL5A1
VCAM1
S1PR1
CDH5
EMP2
DDR2
NRG1
PRKCE
LAMA3
SLAMF7
2
1
0
−1
−2
D
Relative mRNA levels
[log2(si-cNFIB/si-NC)]
3
2
1
0
1
-2
CCND1
LIF
LAMC1
IL1B
VEGFA
MMP1
EGFR
LAMA3
FOS
DDR2
FAT1
COL5A1
E
HuCCT1
RBE
si-NC
si-cNFIB
vector
OE-cNFIB
CCND1
MMP1
VEGFA
β-actin