

A

List of miRNA upregulated or downregulated in NF-37

Up in NF-37

NF/CAF >4.0	
18.74449	hsa-miR-383-5p
9.3712516	hsa-miR-551b-5p
7.1178752	hsa-miR-497-5p
6.2612939	hsa-miR-629-5p
5.872683	hsa-miR-224-5p
5.0962708	hsa-miR-224-3p
4.444283	hsa-miR-4778-5p
4.2618393	hsa-miR-4726-5p
4.1643266	hsa-miR-195-5p
4.1577288	hsa-miR-29b-2-5p
4.1018437	hsa-miR-4448

Down in NF-37

NF/CAF <0.25	
0.0488314	hsa-miR-708-5p
0.0541047	hsa-miR-137
0.0951095	hsa-miR-6864-5p
0.1569637	hsa-miR-218-5p
0.1844549	hsa-miR-10a-3p
0.196761	hsa-miR-10a-5p
0.2088752	hsa-miR-34c-5p
0.2353272	hsa-miR-145-3p

B

Candidate target genes of miR-224-3p

GeneSymbol	GeneName	Fold change (37T)vs.(37N)
CCDC85A	coiled-coil domain containing 85A	93.974
PKP2	plakophilin 2	92.858
HHIP	hedgehog interacting protein	92.436
CADM1	cell adhesion molecule 1	86.692
NCAM1	neural cell adhesion molecule 1	62.271
FRMD5	FERM domain containing 5	35.054
TYRP1	tyrosinase-related protein 1	32.893
HAPLN1	hyaluronan and proteoglycan link protein 1	31.600
ZMAT4	zinc finger, matrin-type 4	27.070
CLEC14A	C-type lectin domain family 14, member A	24.847
FRMD5	FERM domain containing 5	24.723
HTR2A	5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled	21.437

Fig S2

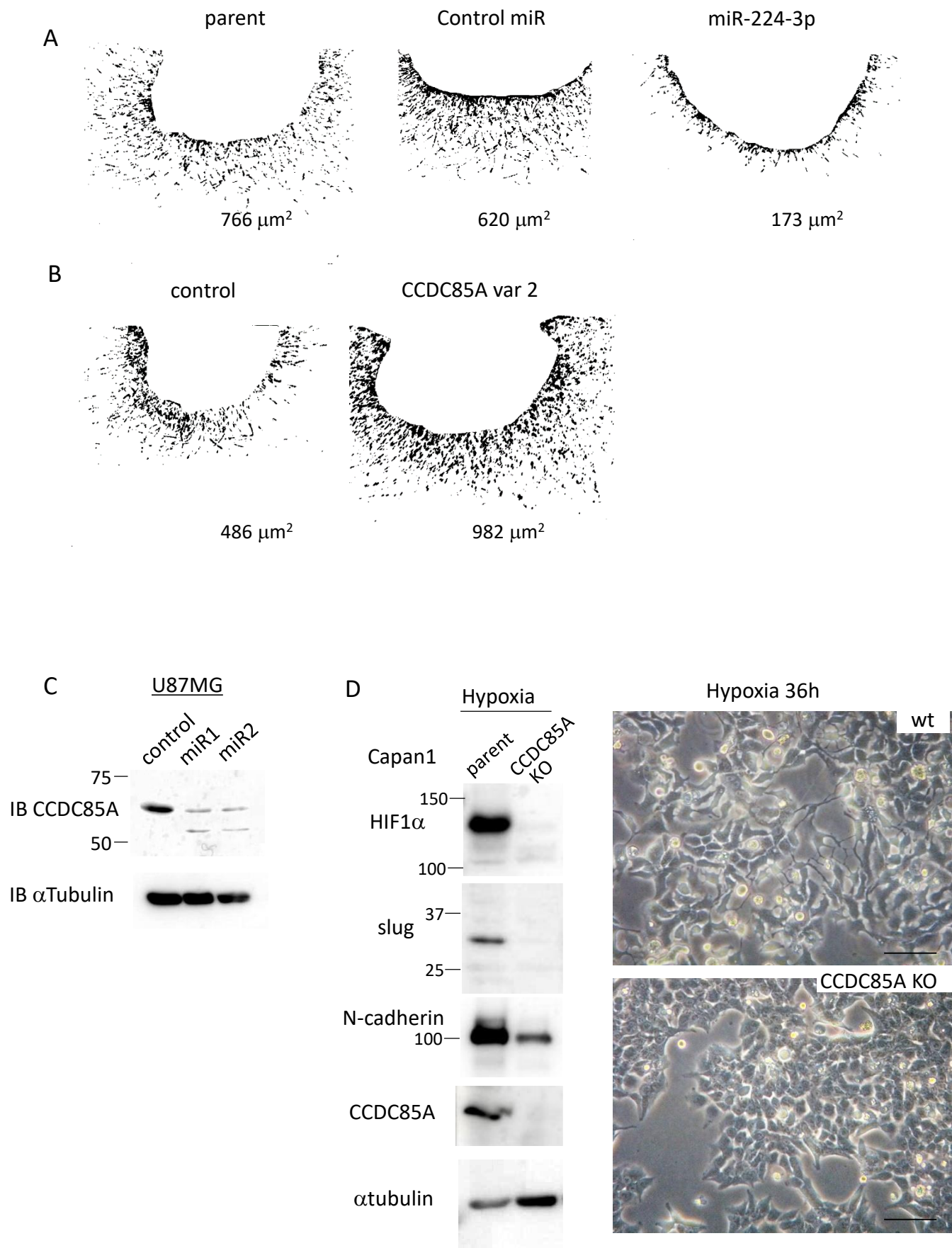


Fig S3

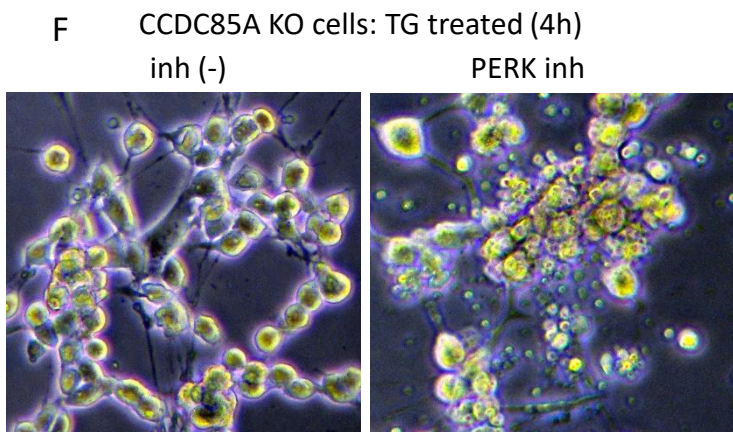
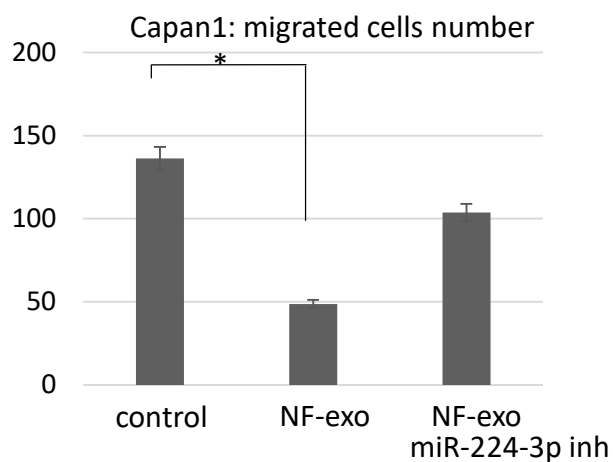
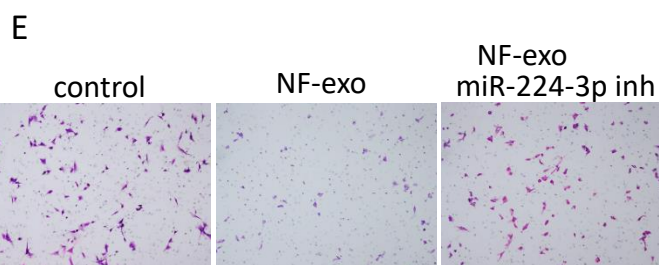
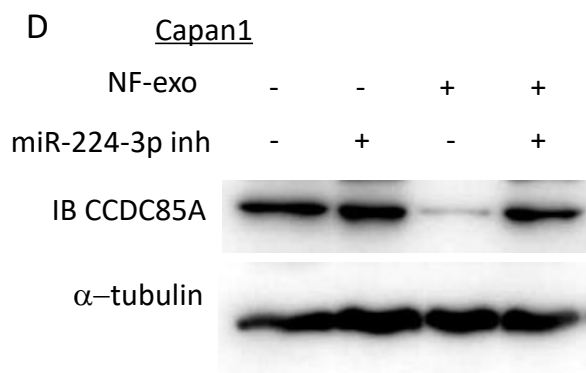
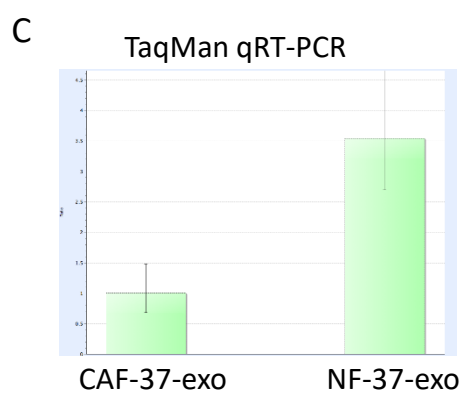
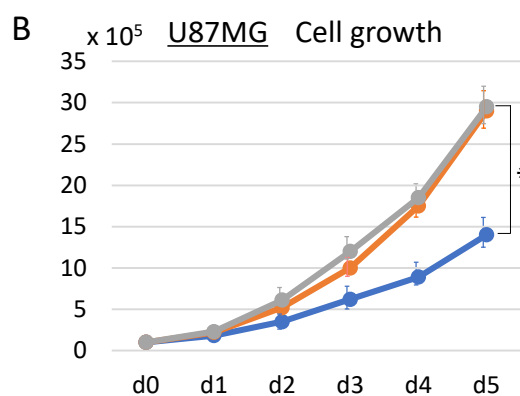
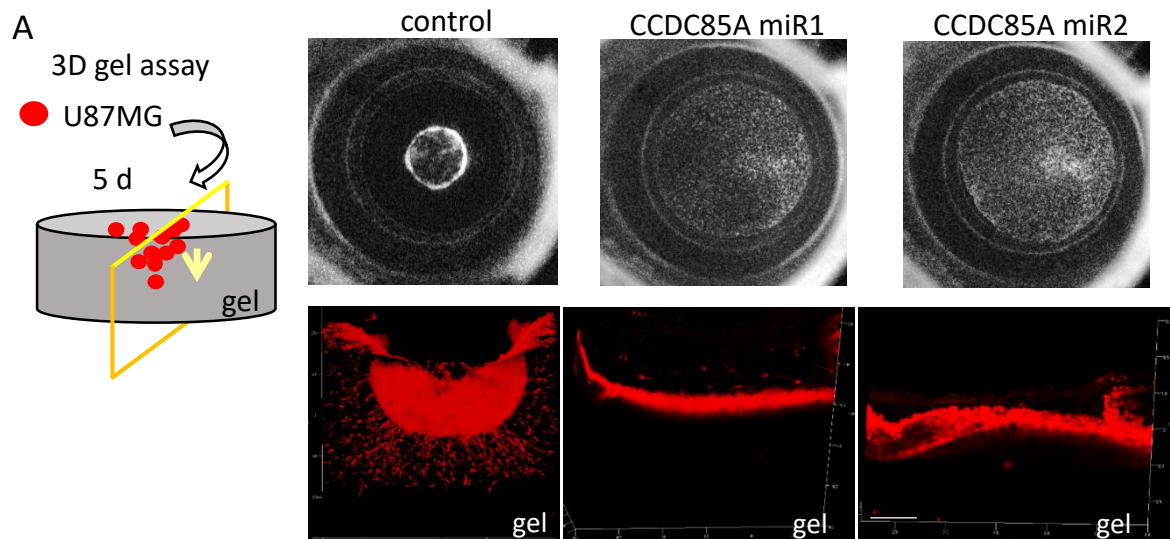
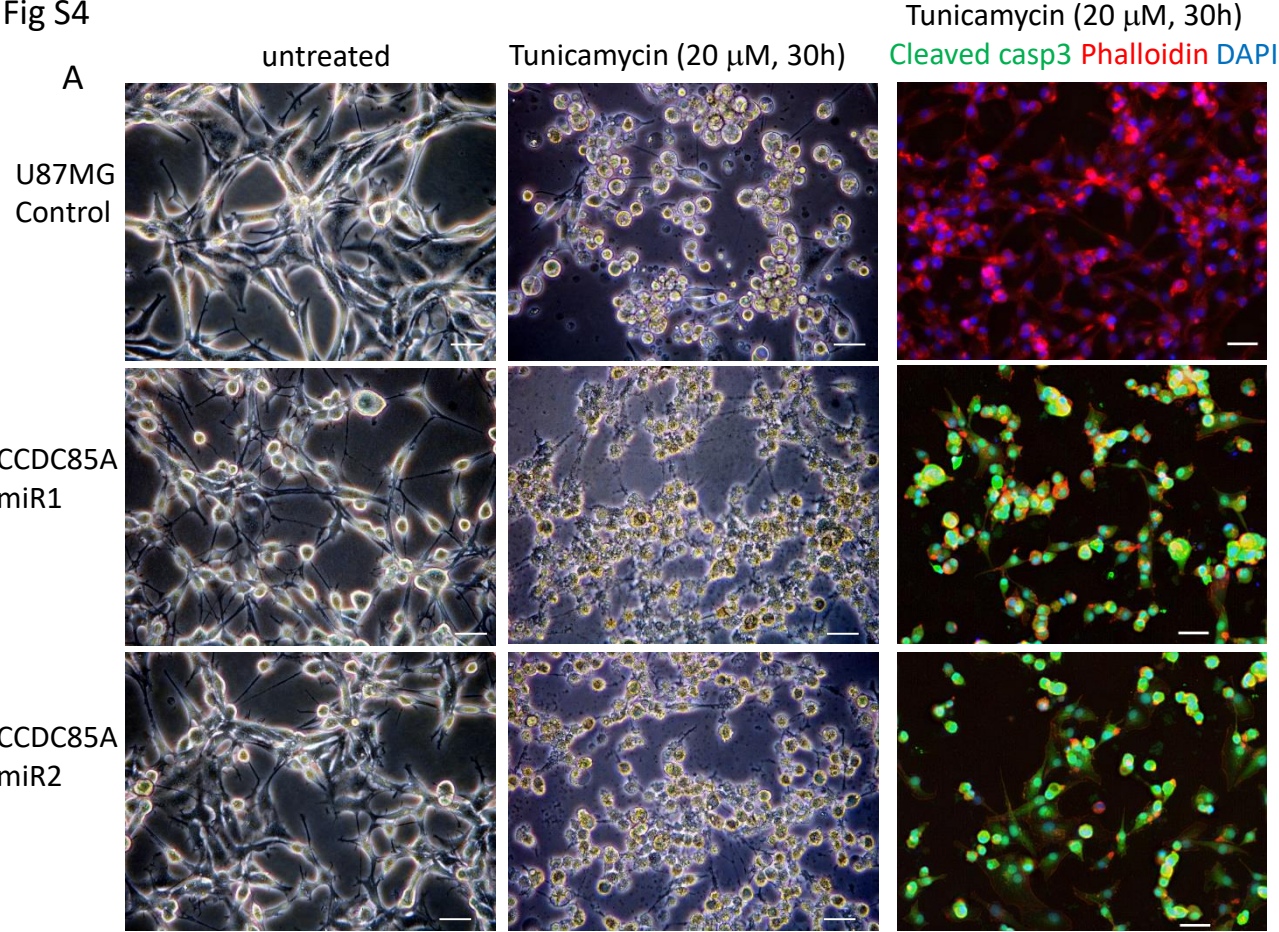


Fig S4



B

untreated

TG 5 μ M

Tun 20 μ M

C

CDDP 200 μ M

IB

25—
20—
15—

Cleaved
caspase 3

p-eIF2 α

eIF2 α
(total)

p-PERK

PERK
(total)

p-IRE1

IRE1
(total)

α Tubulin

control
CCDC85A miR1
CCDC85A miR2

control
CCDC85A miR1
CCDC85A miR2

control
CCDC85A miR1
CCDC85A miR2

IB

20—
15—
Cleaved
caspase 3

p-JNK

JNK
(total)

p-eIF2 α

eIF2 α
(total)

p-IRE1

IRE1
(total)

α Tubulin

control
CCDC85A miR1
CCDC85A miR2

20—
15—
Cleaved
caspase 3

p-JNK

JNK
(total)

p-eIF2 α

eIF2 α
(total)

p-IRE1

IRE1
(total)

α Tubulin

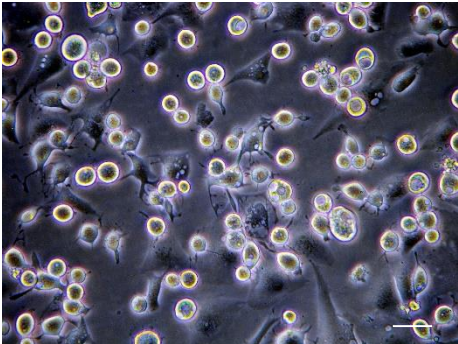
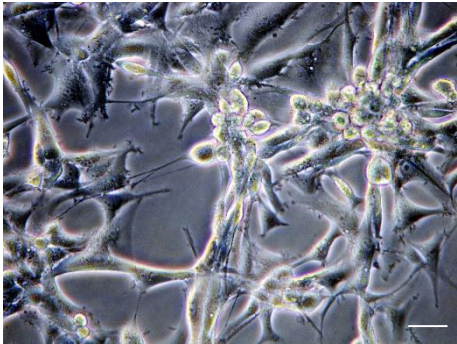
Fig S5

A

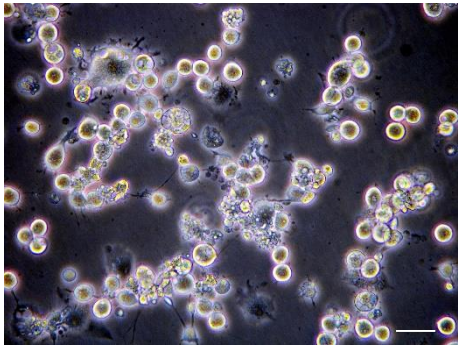
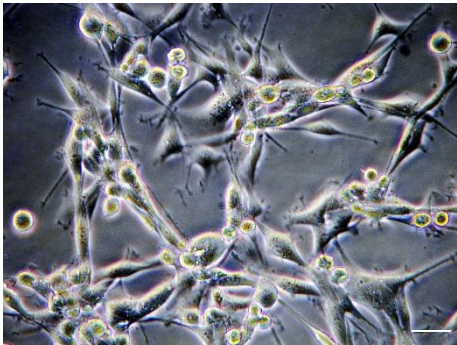
untreated

TG 5 μ M, 30h

U87MG
control



U87MG
miRID miR224-3p



B

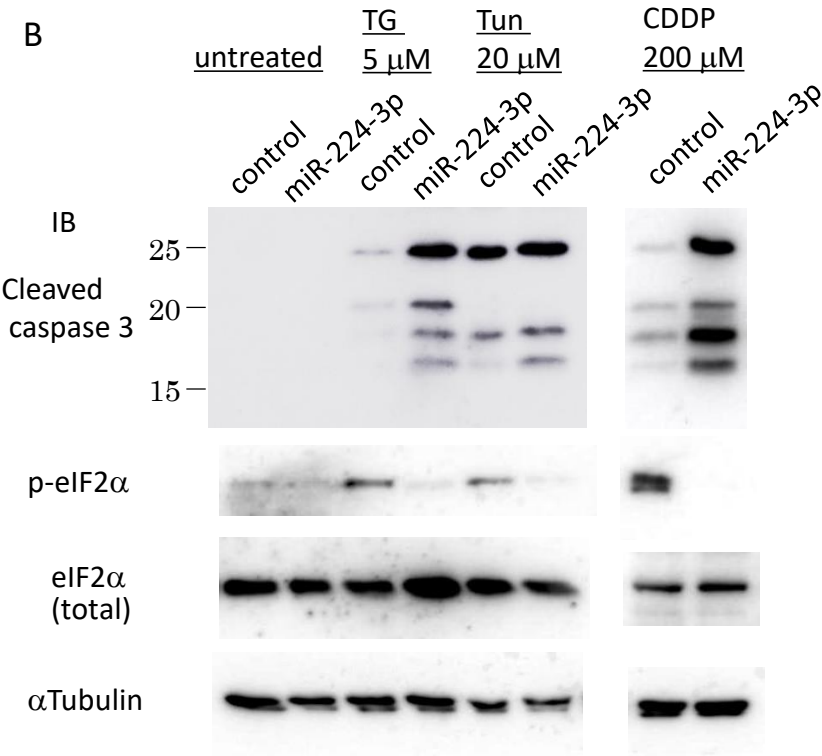


Fig S6

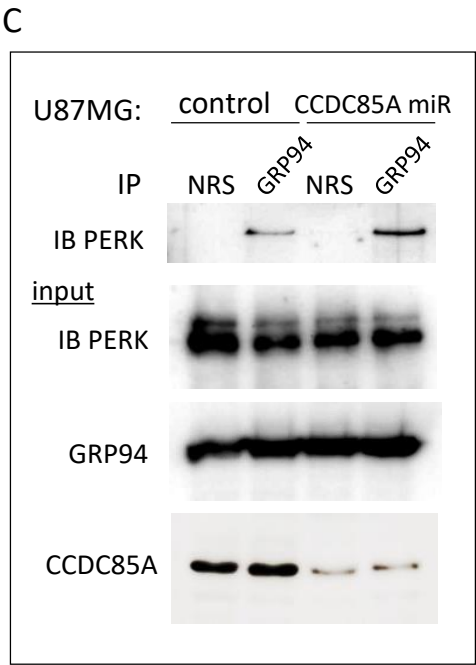
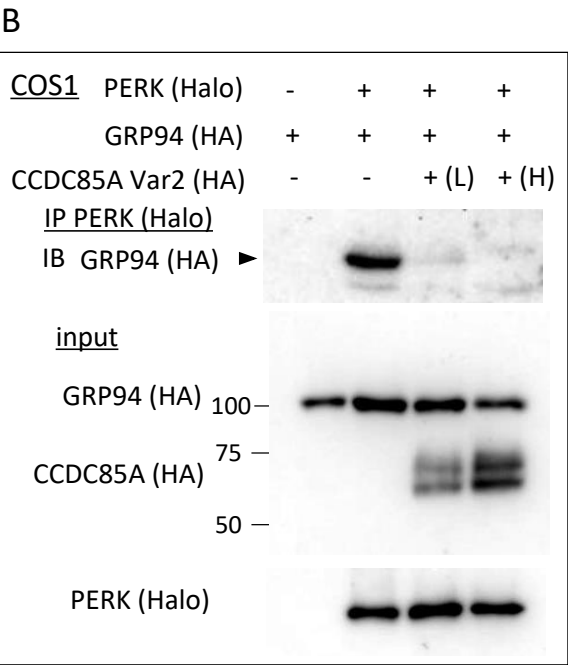
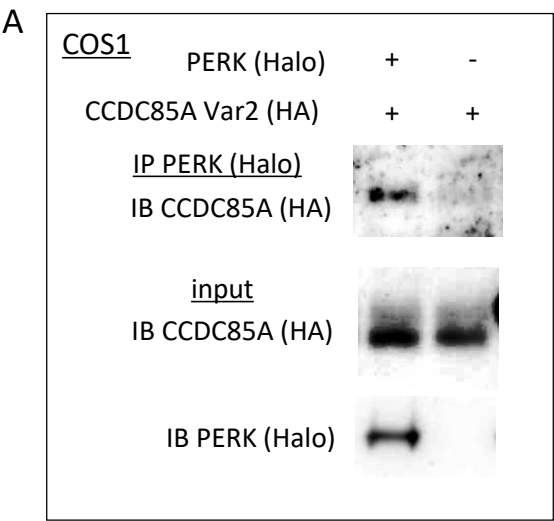
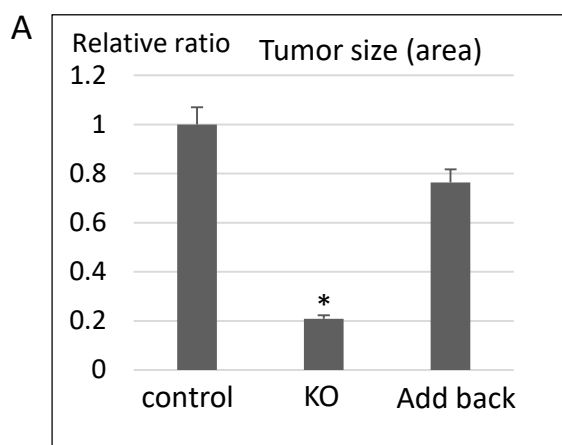
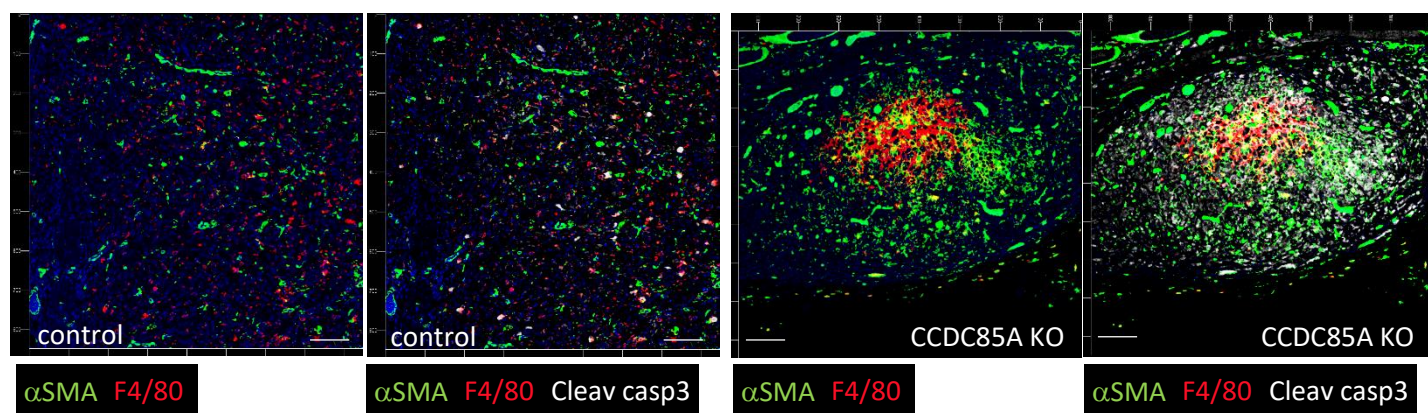


Fig S7



B



C

