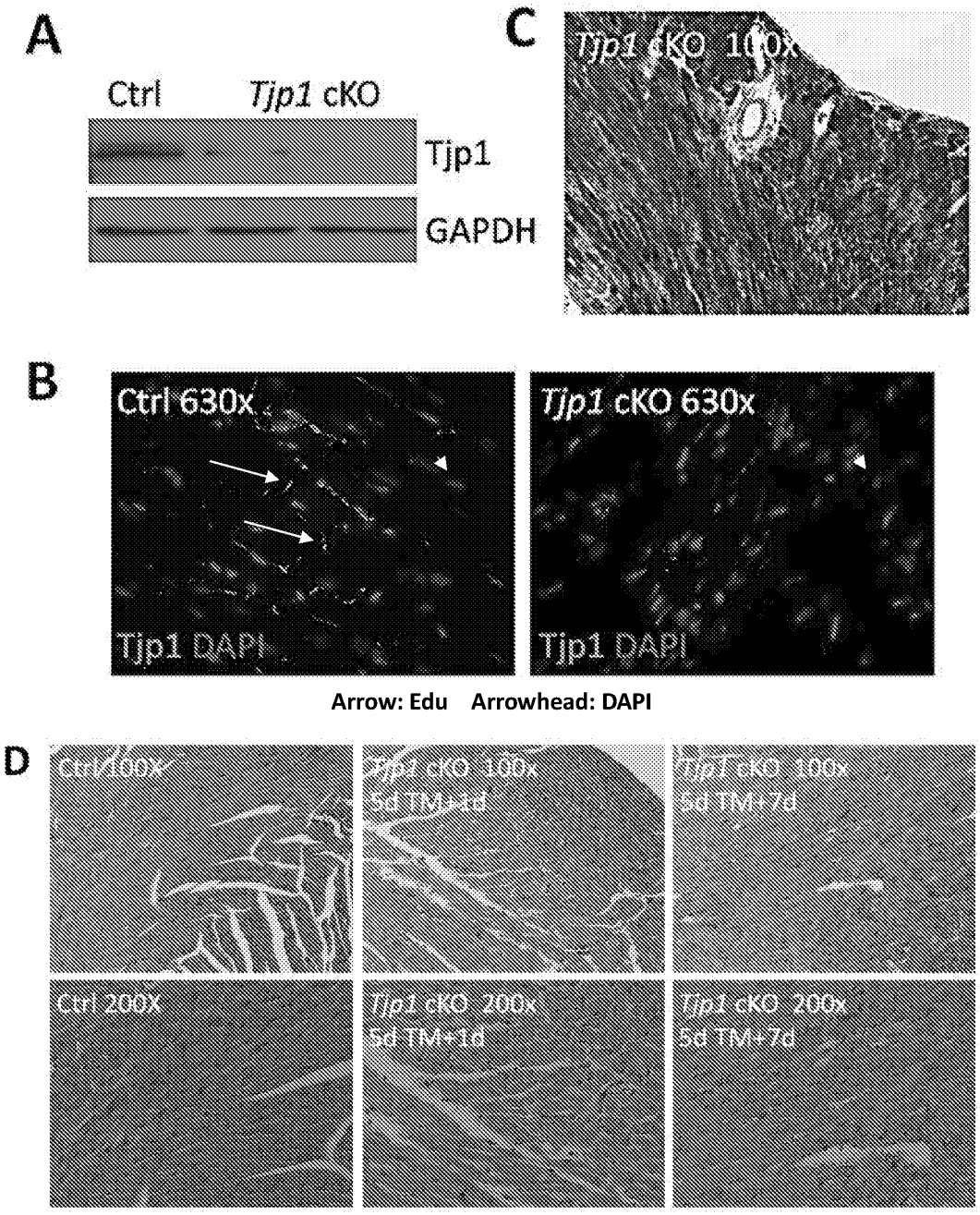

A
Ctrl
Tjp1 cKO
Tjp1
GAPDH
C
Tjp1 cKO 100x
B
Ctrl 630x
Tjp1 DAPI
Tjp1 cKO 630x
Tjp1 DAPI
Arrow: Edu Arrowhead: DAPI
D
Ctrl 100x
Tjp1 cKO 100x
5d TM+1d
Tjp1 cKO 100x
5d TM+7d
Ctrl 200x
Tjp1 cKO 200x
5d TM+1d
Tjp1 cKO 200x
5d TM+7d

Figure 1

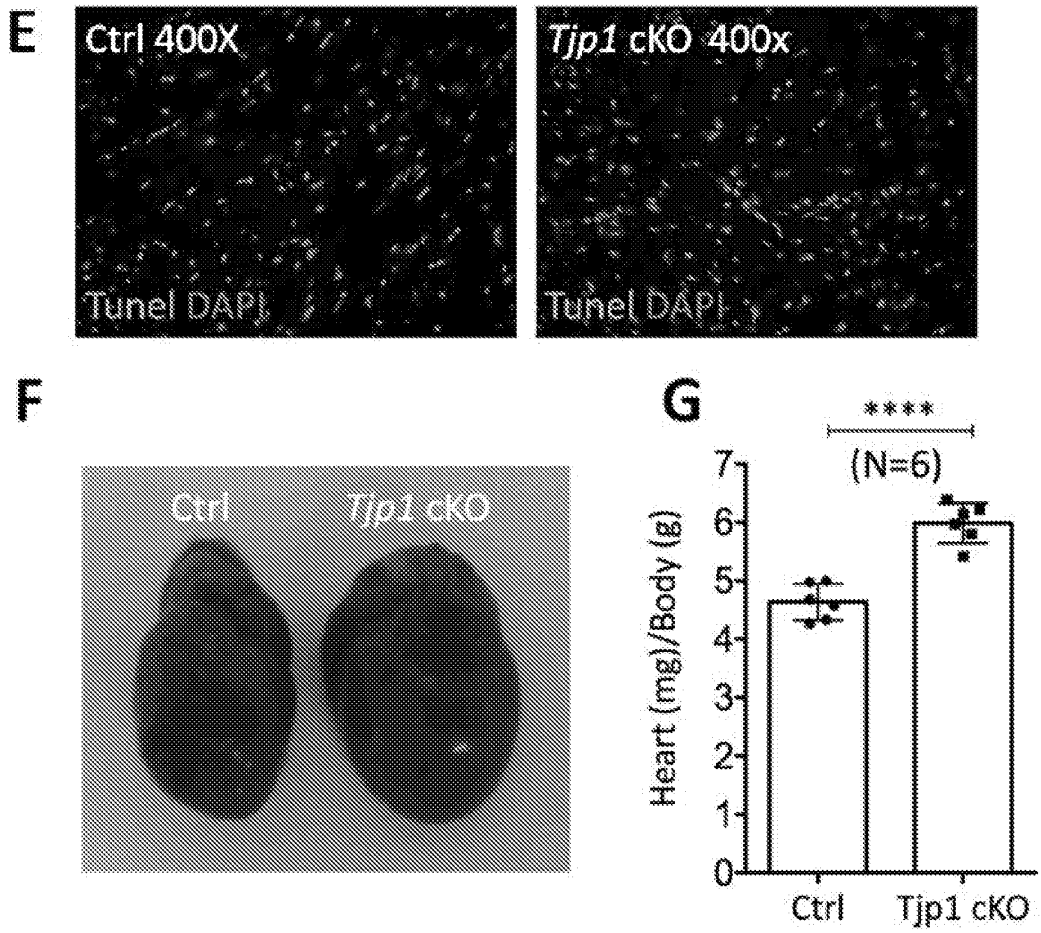
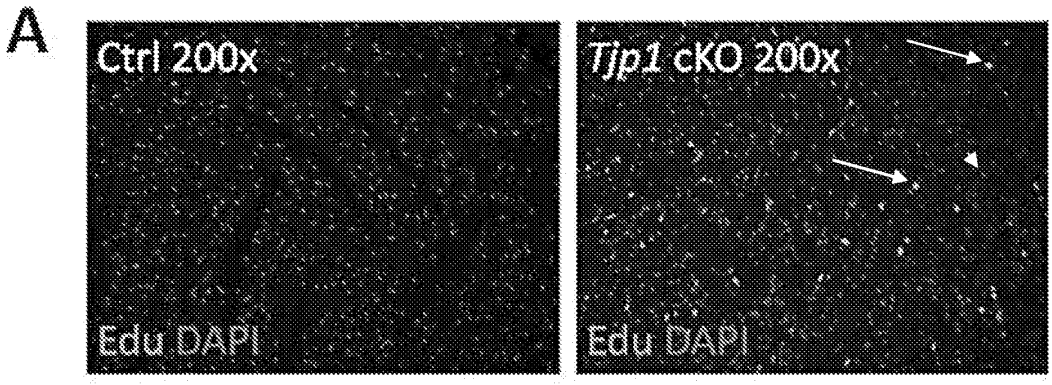
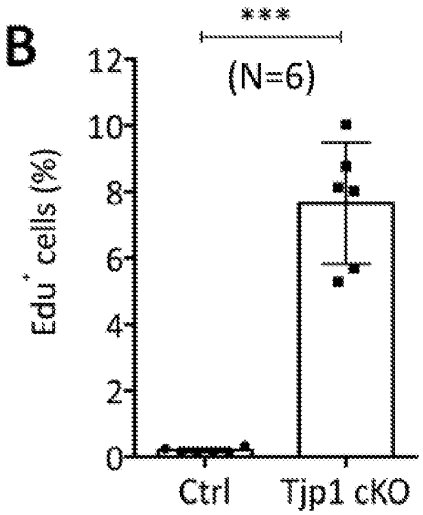


Figure 1 (cont.)



Arrow: Edu Arrowhead: DAPI



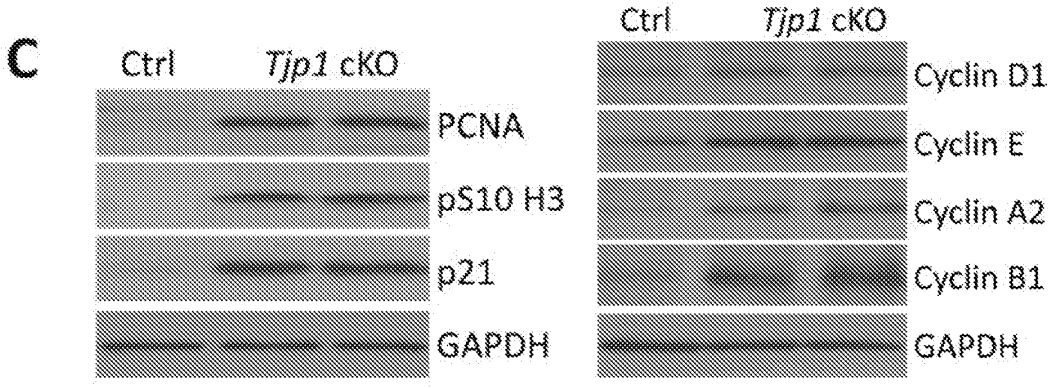


Figure 2

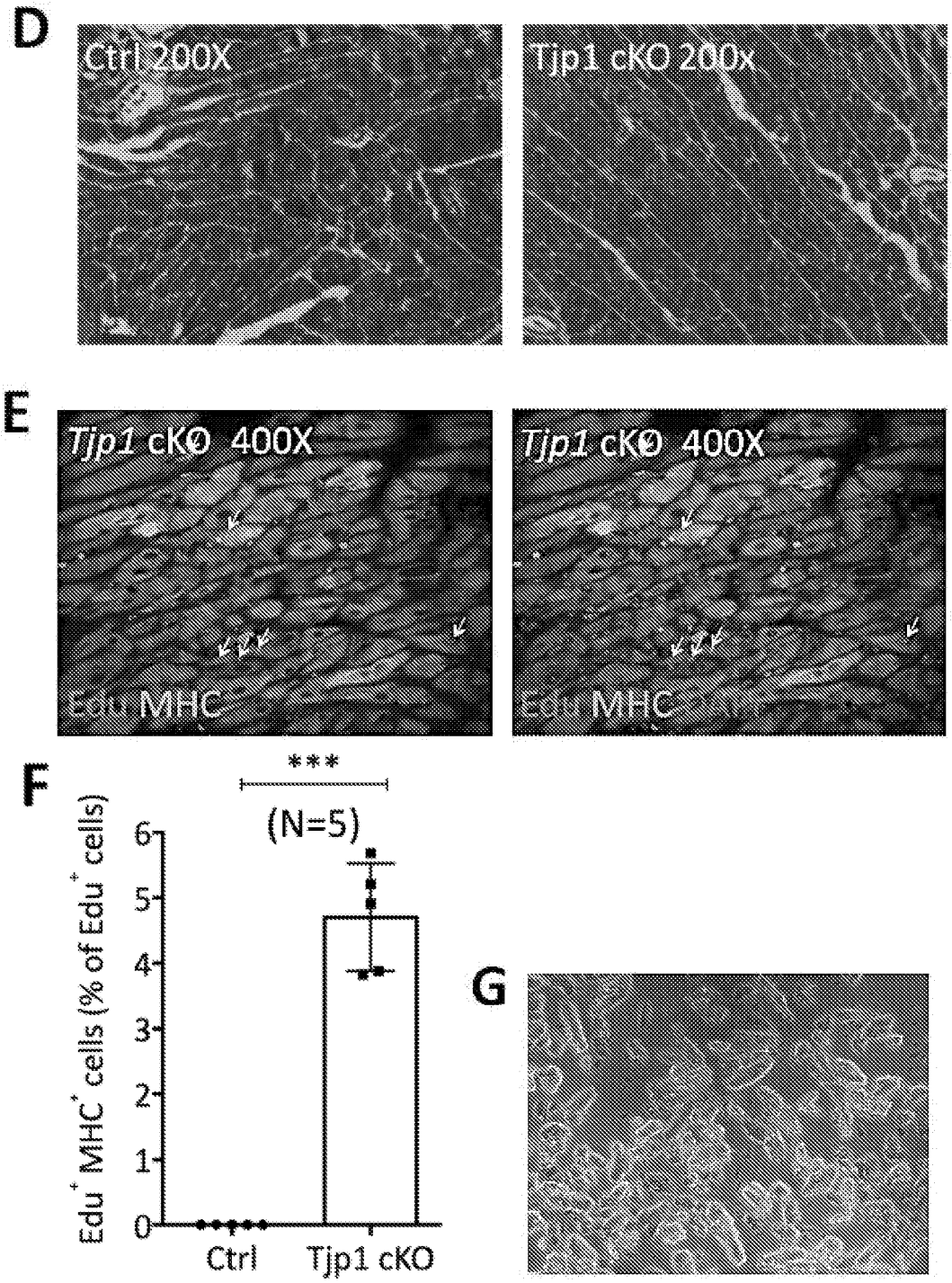
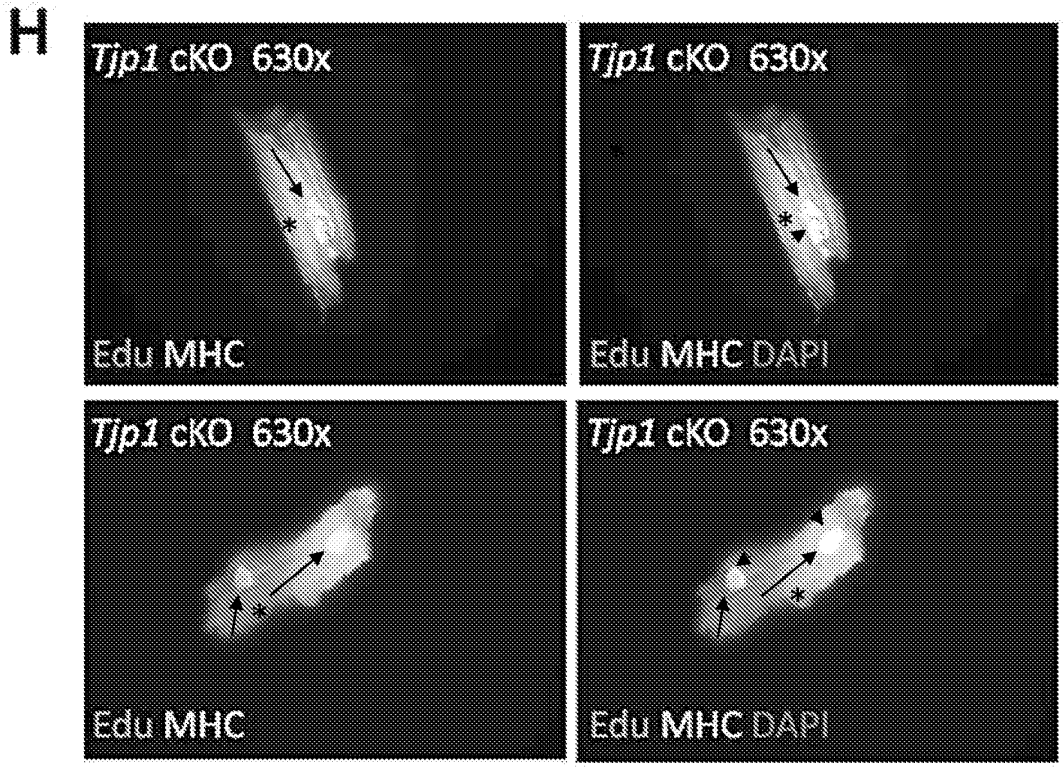


Figure 2 (cont.)



Arrow: Edu Arrowhead: DAPI Asterisk: MHC

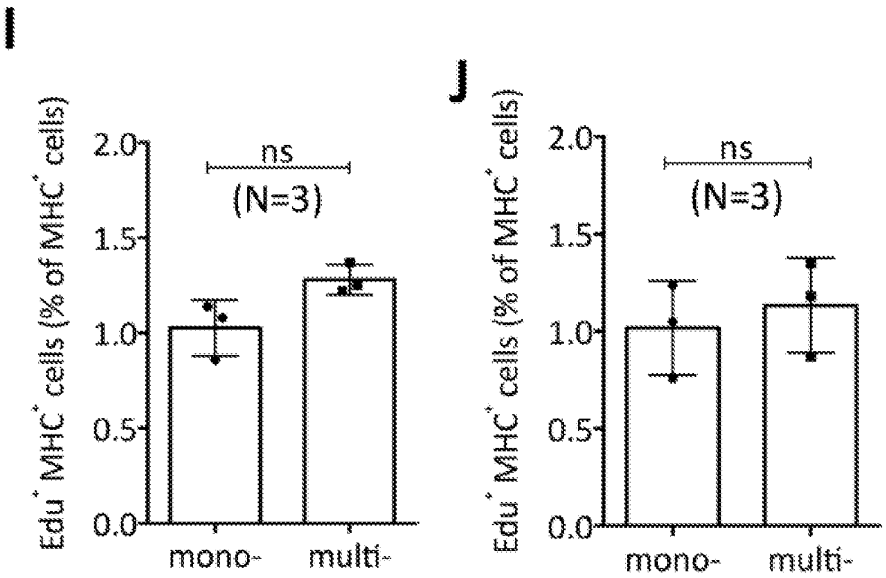


Figure 2 (cont.)

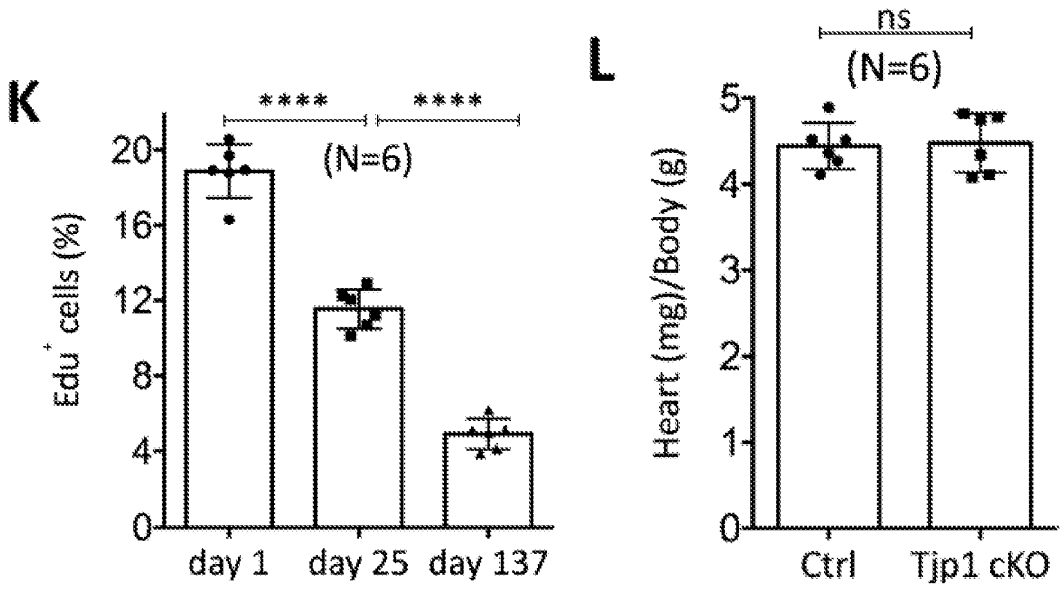


Figure 2 (cont.)

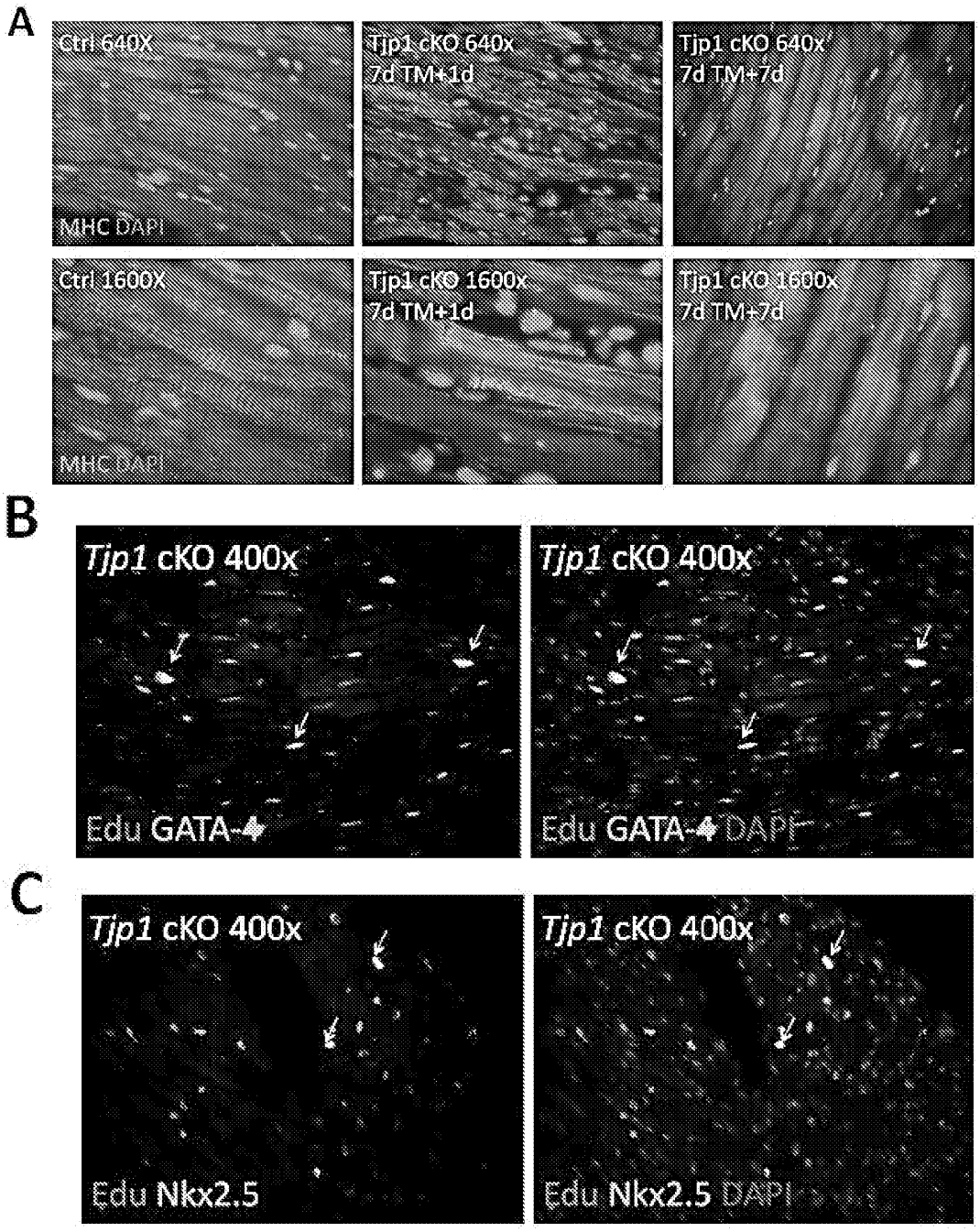

A
Ctrl 640X
MHC DAPI
Tjp1 cKO 640x
7d TM+1d
Tjp1 cKO 640x
7d TM+7d
Ctrl 1600X
MHC DAPI
Tjp1 cKO 1600x
7d TM+1d
Tjp1 cKO 1600x
7d TM+7d
B
Tjp1 cKO 400x
Edu GATA-4
Tjp1 cKO 400x
Edu GATA-4 DAPI
C
Tjp1 cKO 400x
Edu Nkx2.5
Tjp1 cKO 400x
Edu Nkx2.5 DAPI

Figure 3

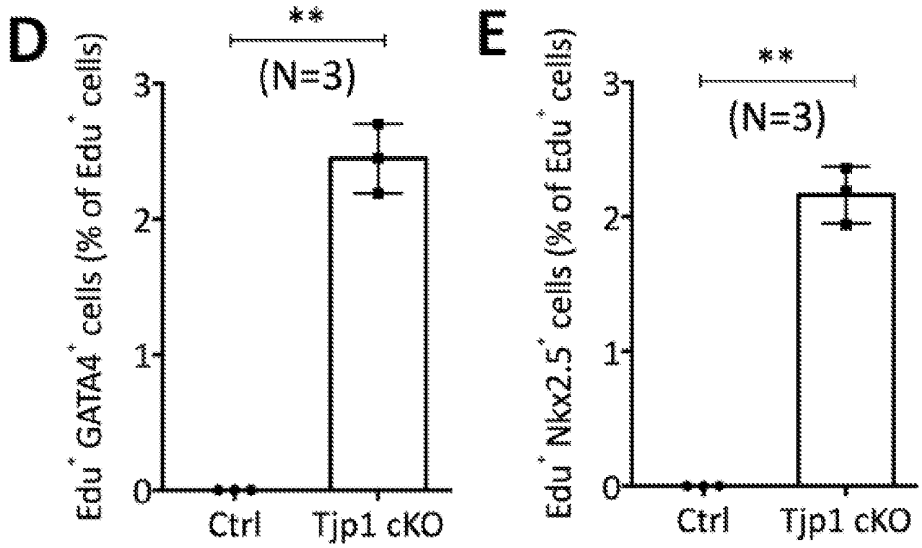


Figure 3 (cont.)

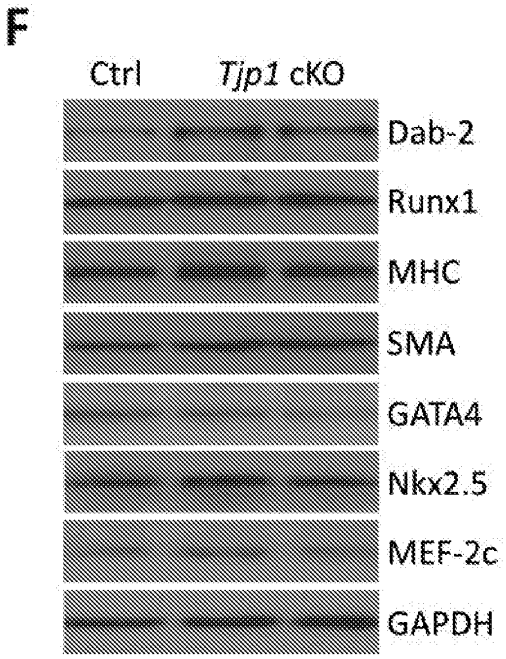


Figure 3 (cont.)

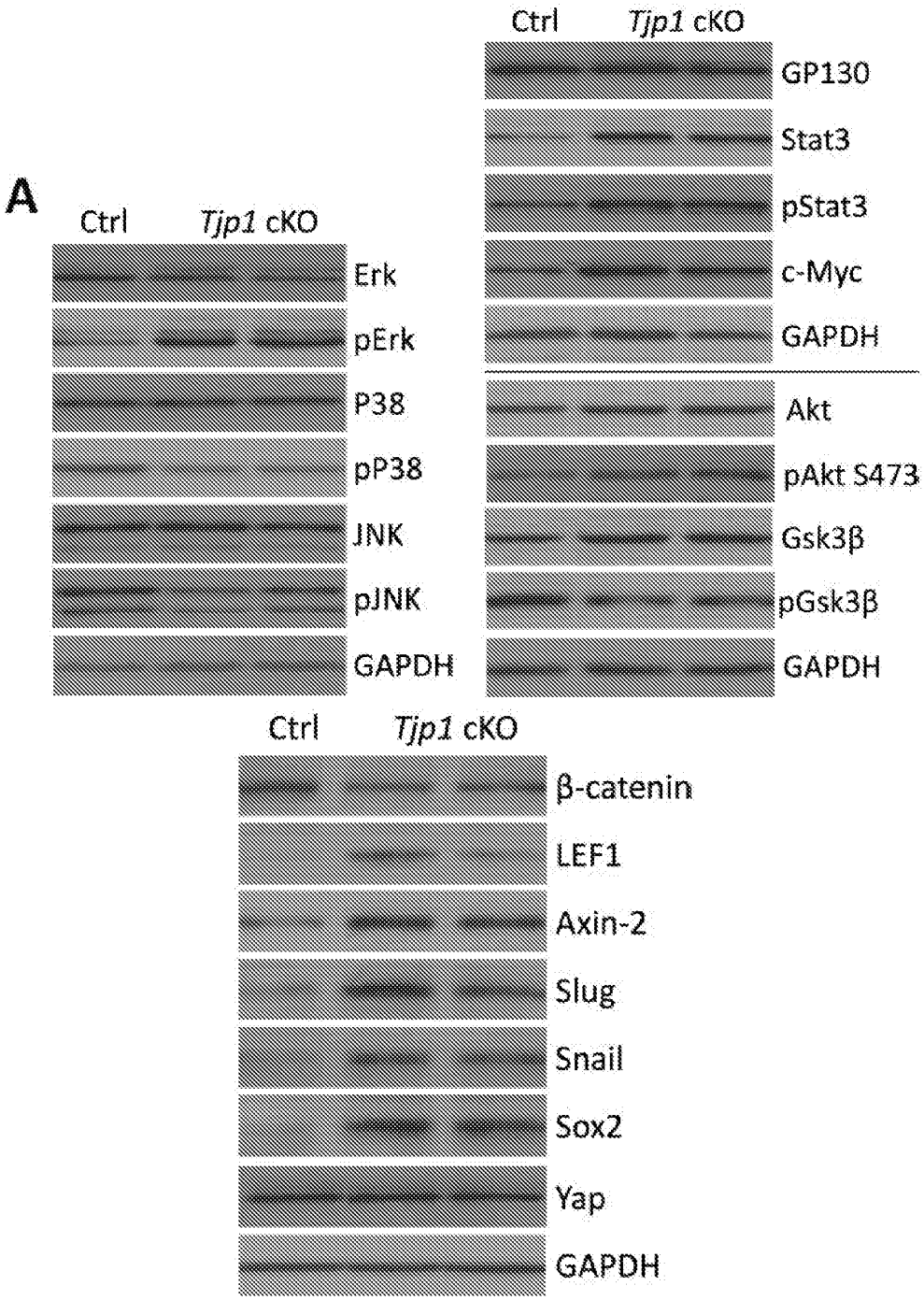

A
Ctrl
Tjp1 cKO
Erk
pErk
P38
pP38
JNK
pJNK
GAPDH
Ctrl
Tjp1 cKO
GP130
Stat3
pStat3
c-Myc
GAPDH
Akt
pAkt S473
Gsk3β
pGsk3β
GAPDH
Ctrl
Tjp1 cKO
β-catenin
LEF1
Axin-2
Slug
Snail
Sox2
Yap
GAPDH

Figure 4

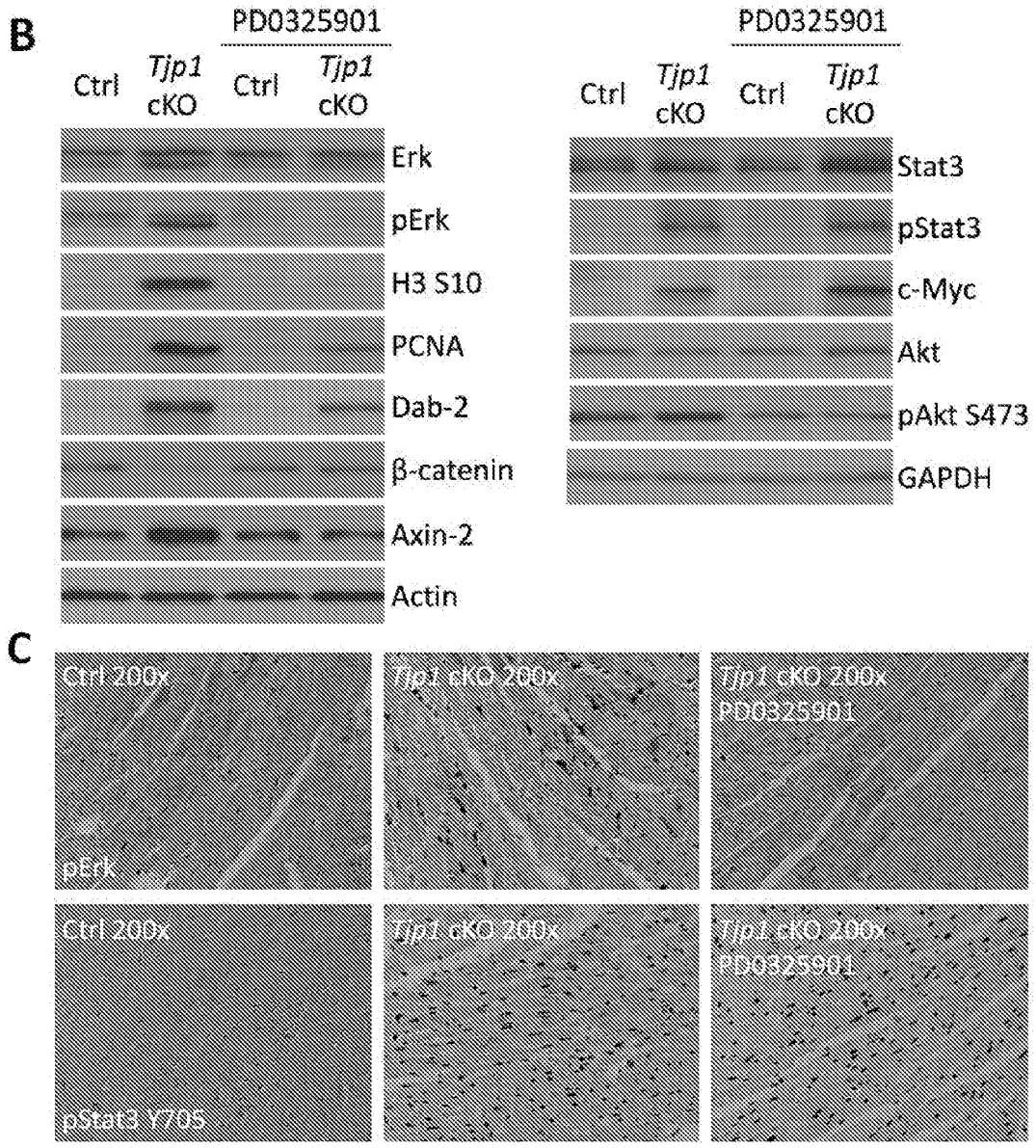


Figure 4 (cont.)

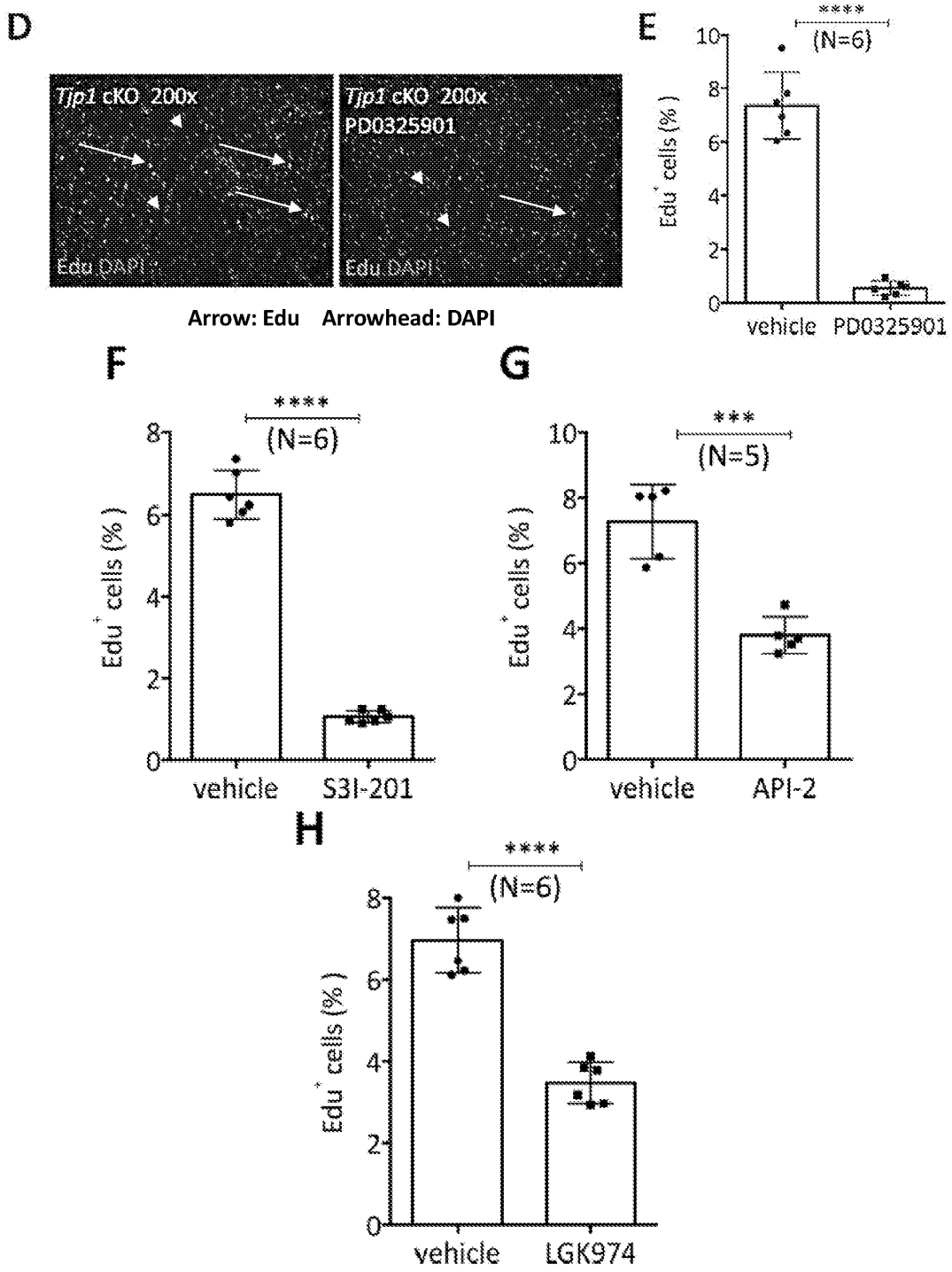


Figure 4 (cont.)

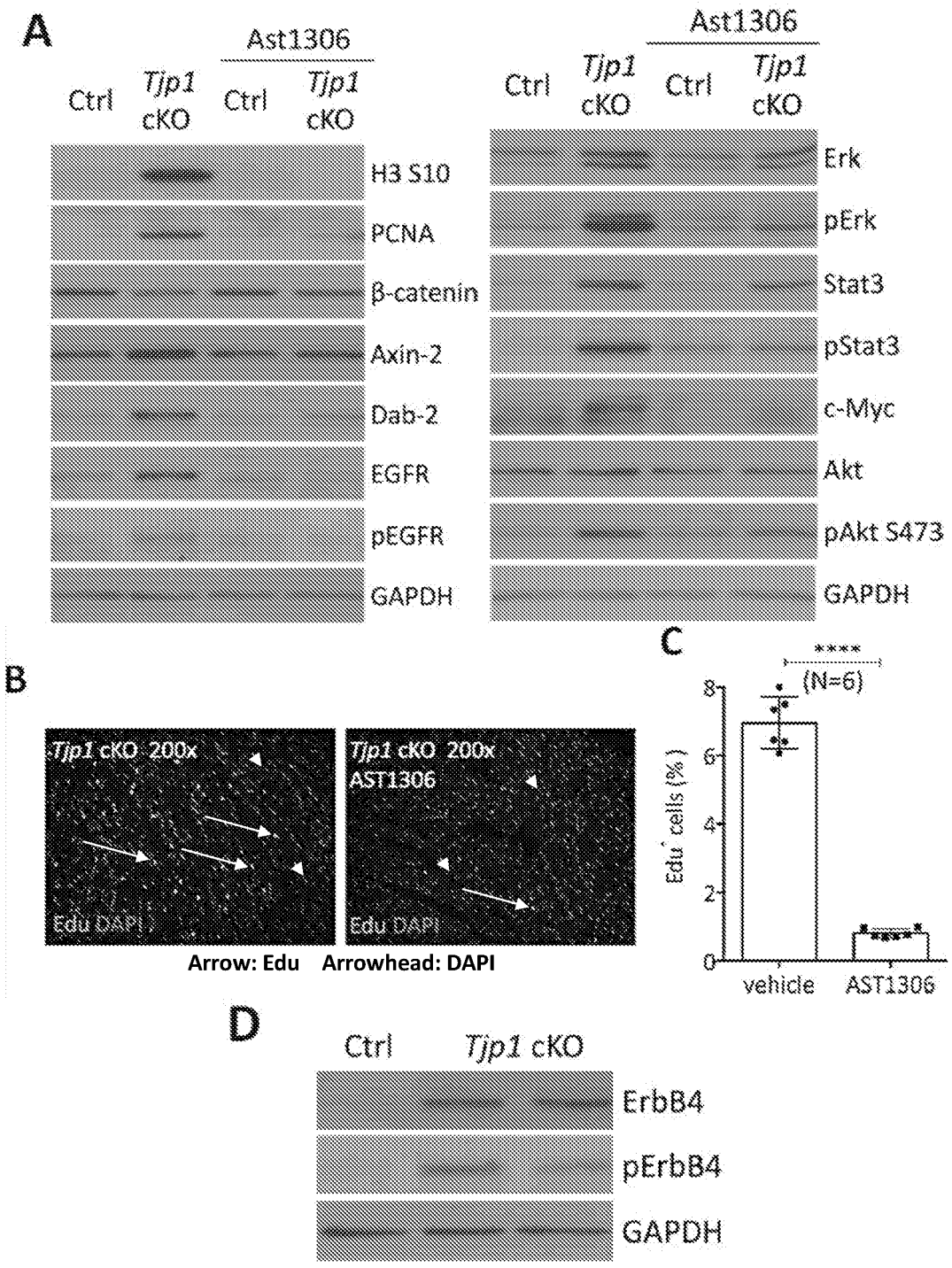
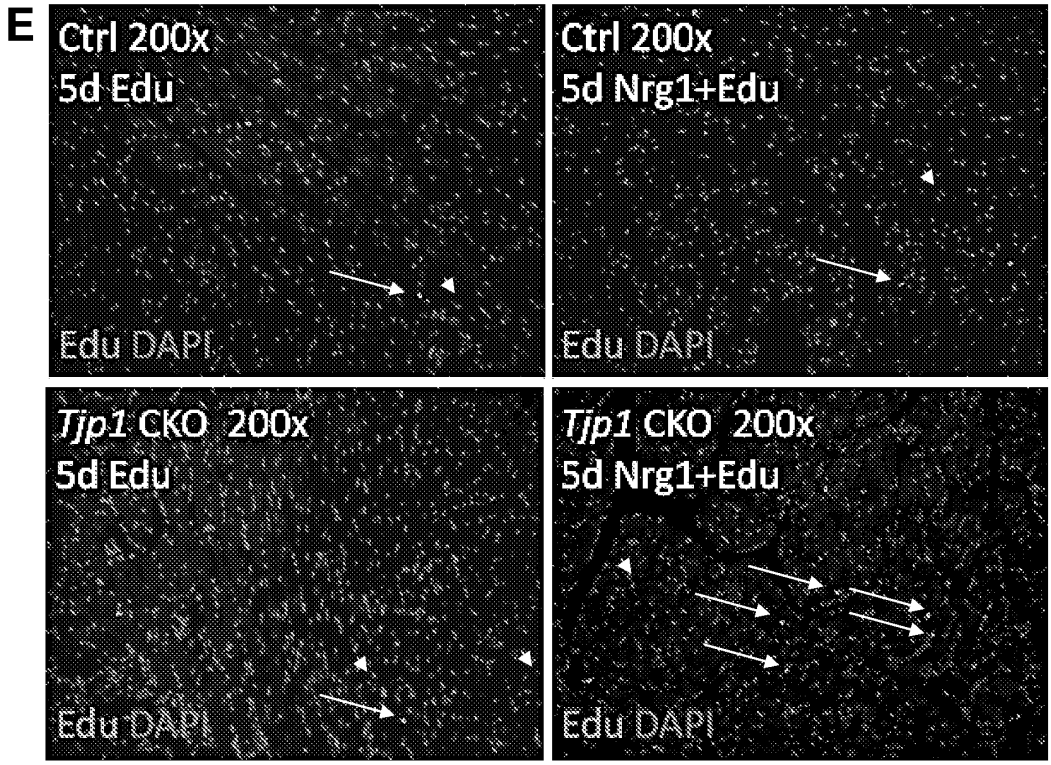

A
Ast1306
Ctrl
Tjp1 cKO
Ctrl
Tjp1 cKO
H3 S10
PCNA
β-catenin
Axin-2
Dab-2
EGFR
pEGFR
GAPDH
Ast1306
Ctrl
Tjp1 cKO
Ctrl
Tjp1 cKO
Erk
pErk
Stat3
pStat3
c-Myc
Akt
pAkt S473
GAPDH
B
Tjp1 cKO 200x
Edu DAPI
Tjp1 cKO 200x
AST1306
Edu DAPI
Arrow: Edu Arrowhead: DAPI
C
****
(N=6)
Edu+ cells (%)
8
6
4
2
0
vehicle
AST1306
D
Ctrl
Tjp1 cKO
ErbB4
pErbB4
GAPDH

Figure 5



Arrow: Edu Arrowhead: DAPI

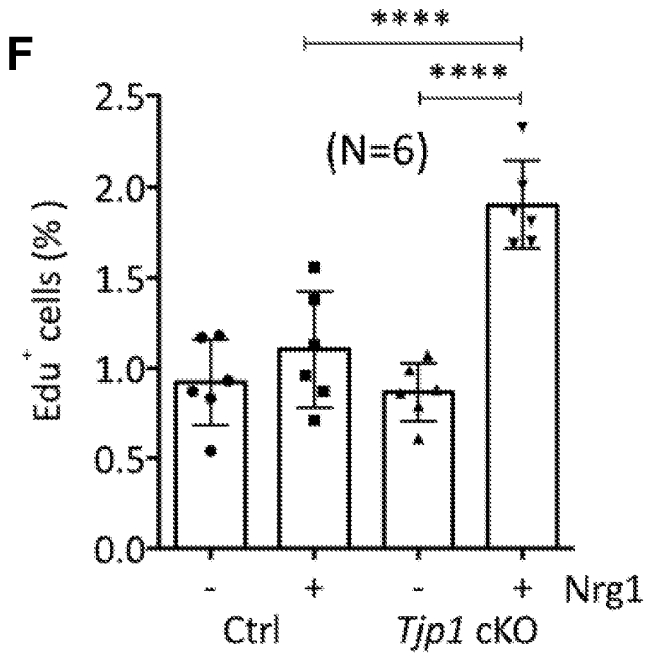
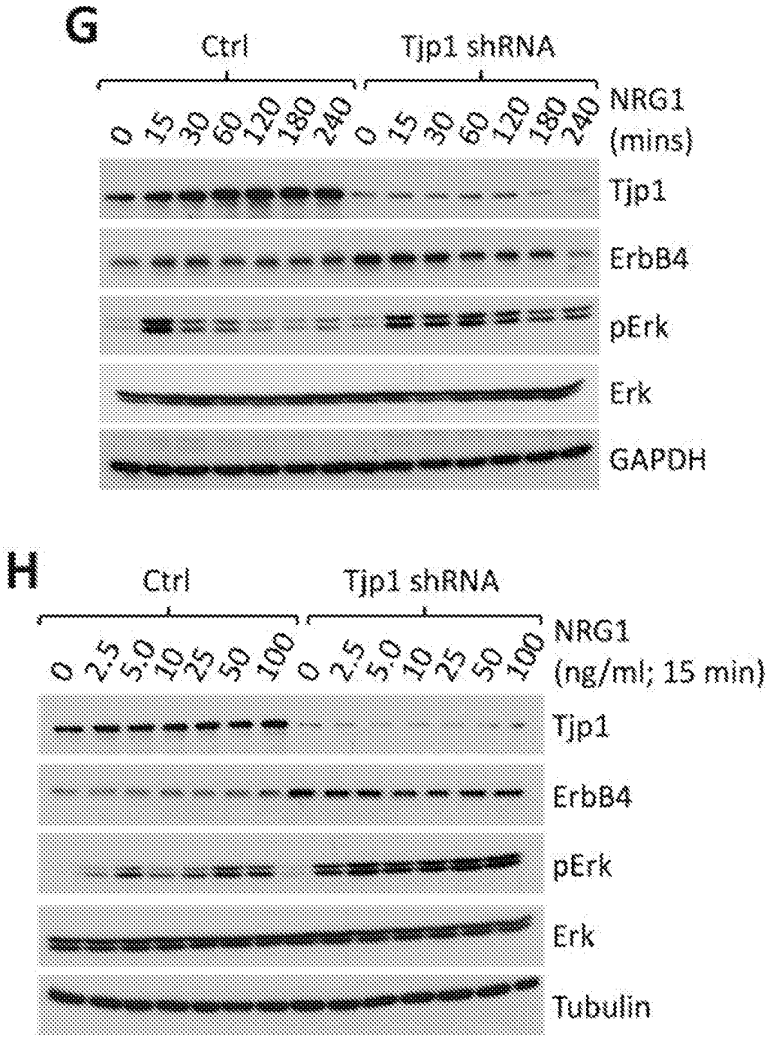


Figure 5 (cont.)



I

ErbB2: ---DQDPPERGAPPSTFKGTPTAENPEYLGLDVPV --- SEQ ID NO: 7
ErbB3: ---- TLRSLEATD SAFDNPDYWHSRLFPKANAQRT --- SEQ ID NO: 8
ErbB4: ---PIVAENPEYLSEFSLKPGTVLPPPPYRHRNTVV --- SEQ ID NO: 9

Figure 5 (cont.)

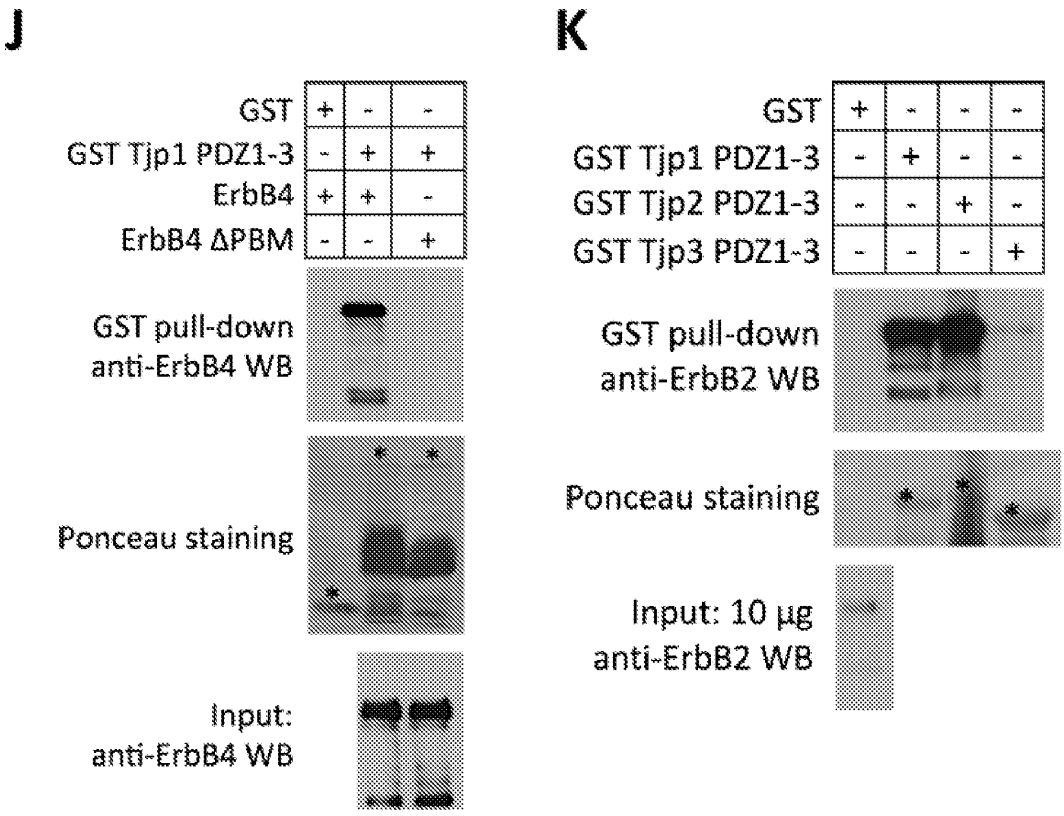


Figure 5 (cont.)

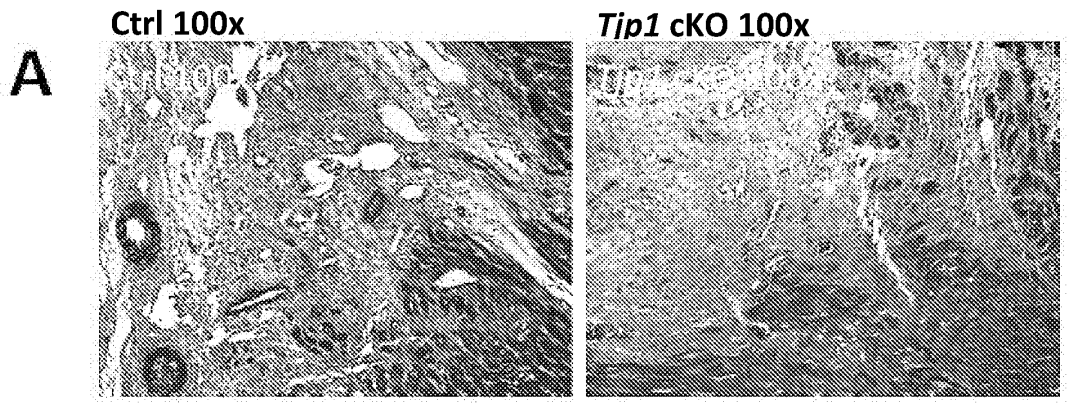


Figure 6

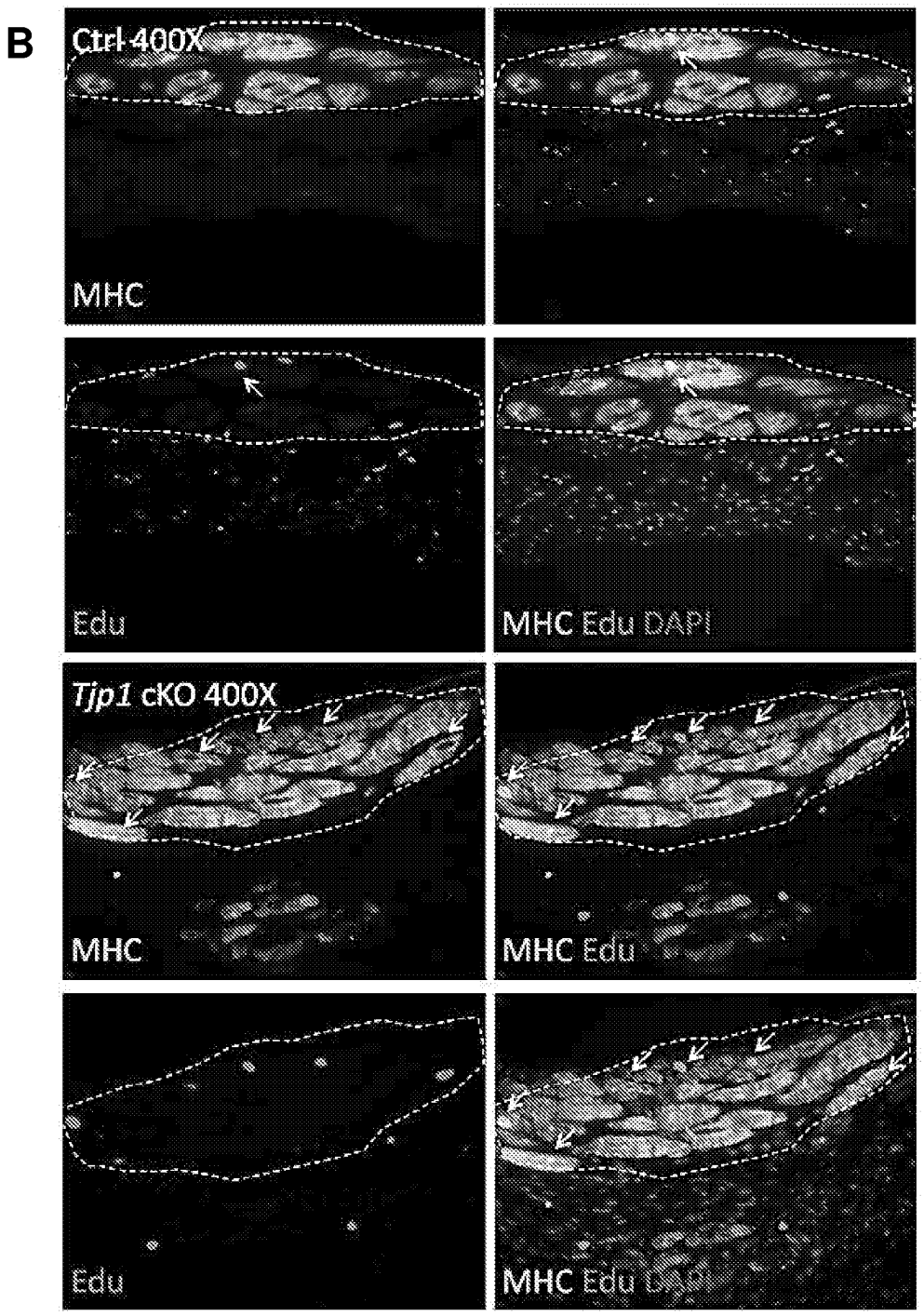


Figure 6 (cont.)

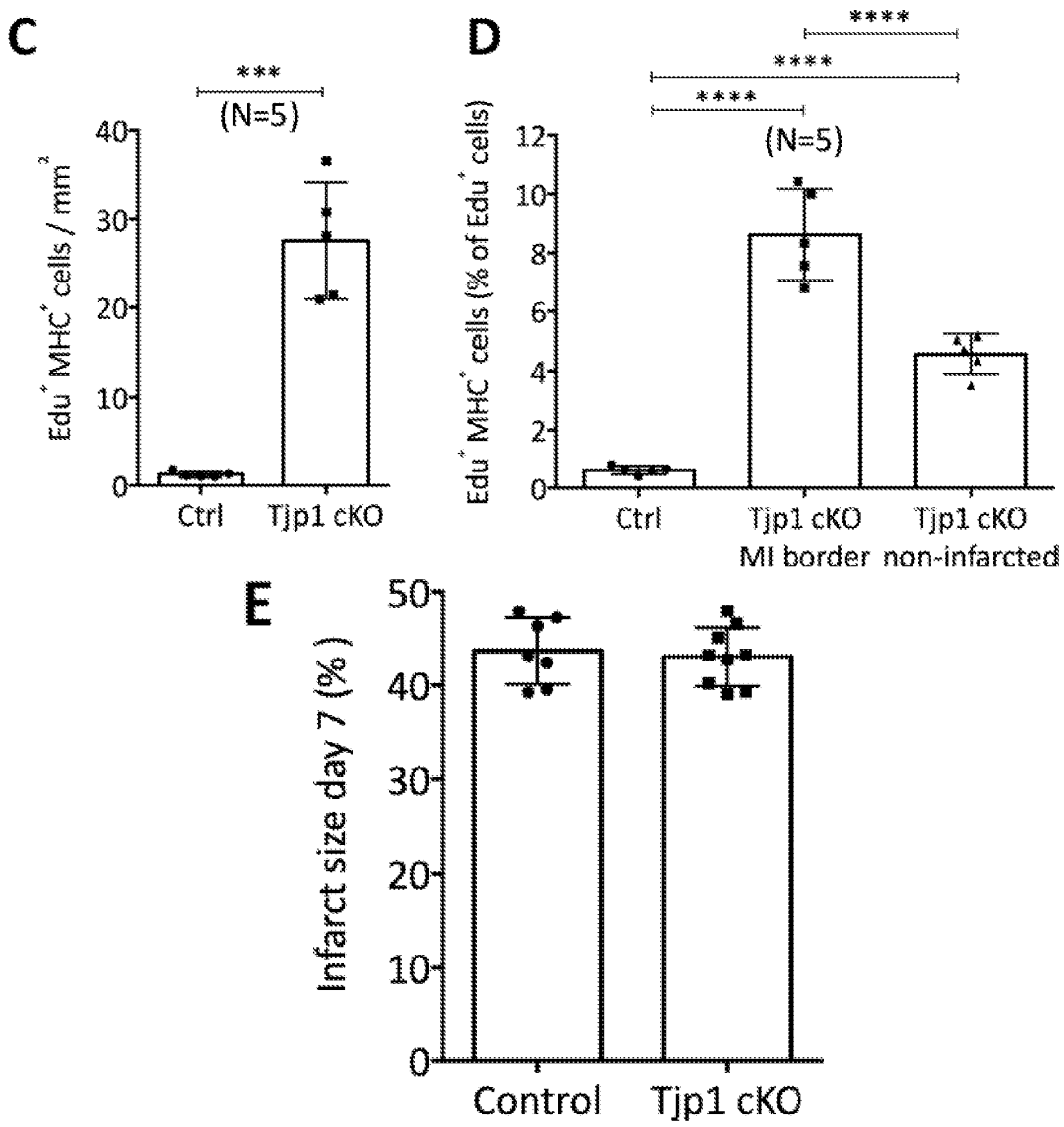


Figure 6 (cont.)

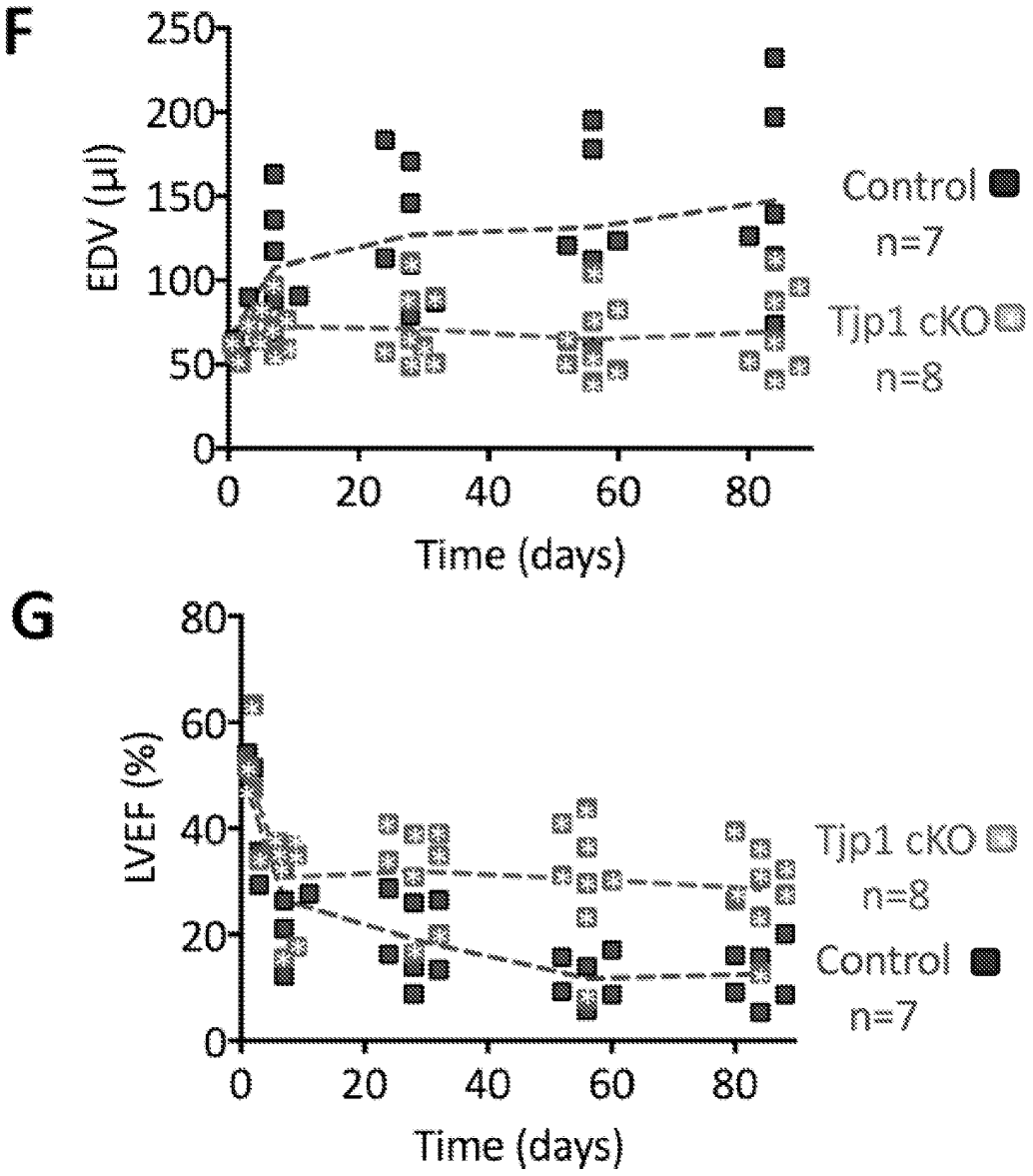


Figure 6 (cont.)

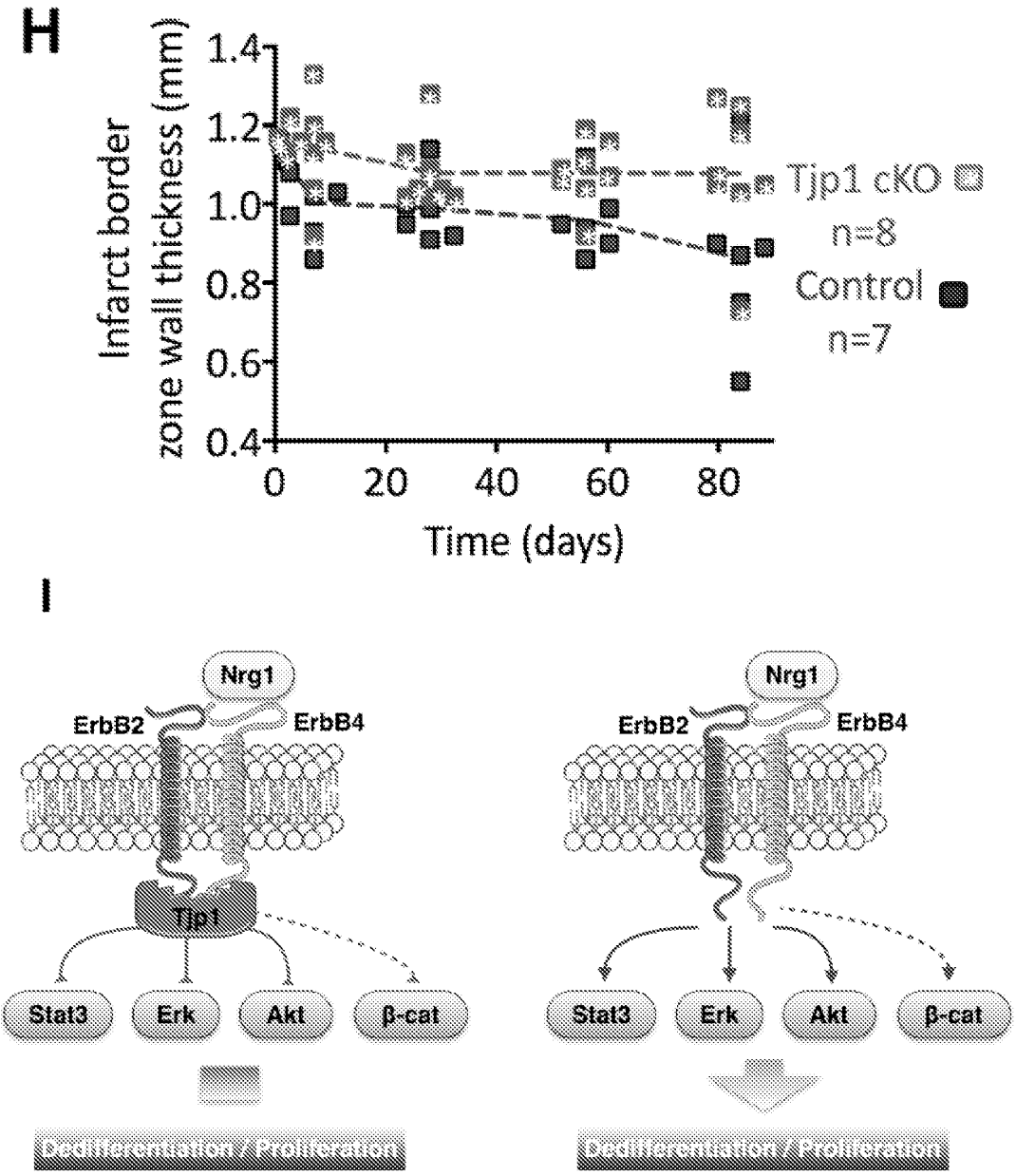


Figure 6 (cont.)

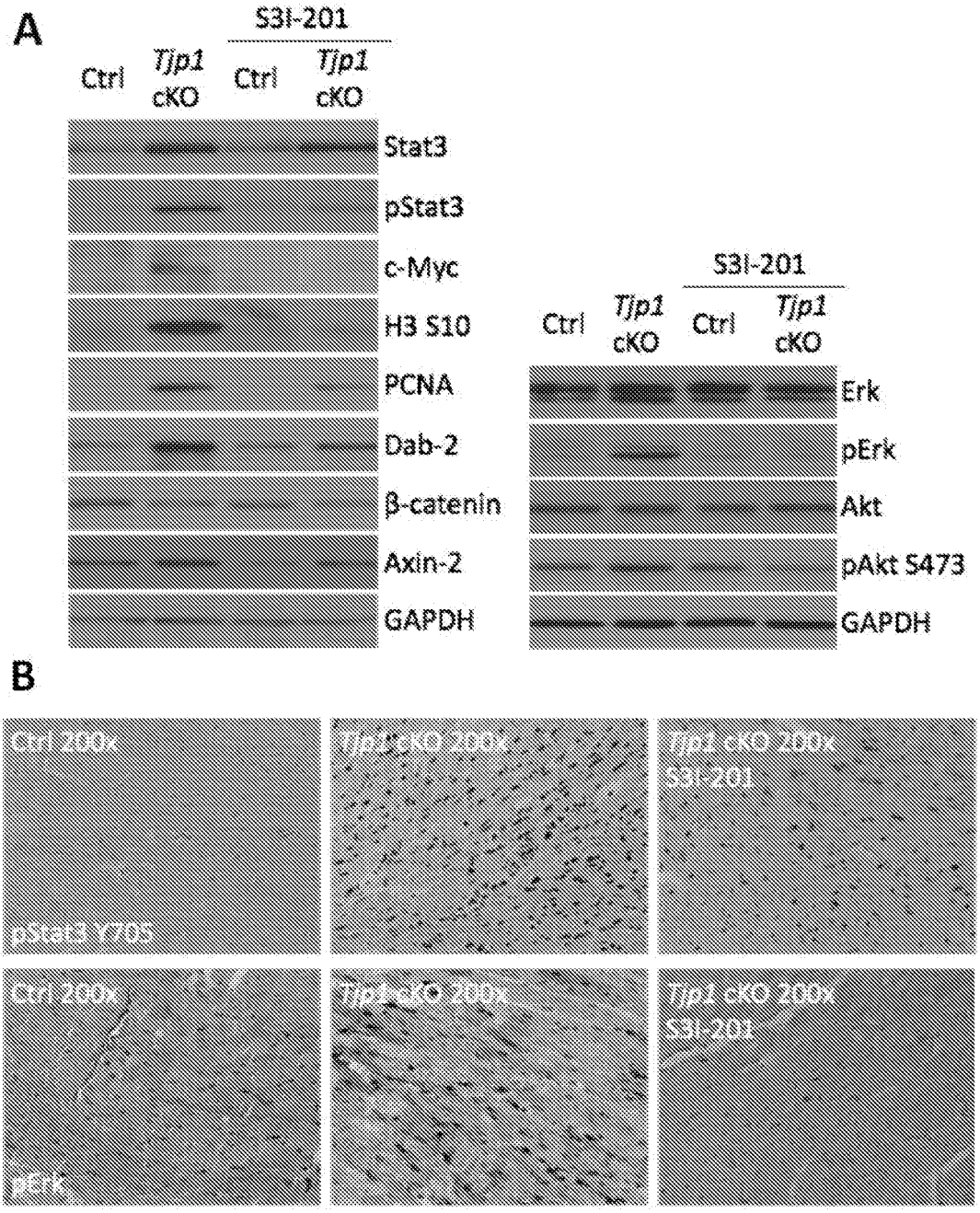

A
S3I-201
Ctrl
Tjp1 cKO
Ctrl
Tjp1 cKO
Stat3
pStat3
c-Myc
H3 S10
PCNA
Dab-2
β-catenin
Axin-2
GAPDH
S3I-201
Ctrl
Tjp1 cKO
Ctrl
Tjp1 cKO
Erk
pErk
Akt
pAkt S473
GAPDH
B
Ctrl 200x
pStat3 Y705
Tjp1 cKO 200x
Tjp1 cKO 200x S3I-201
Ctrl 200x
pErk
Tjp1 cKO 200x
Tjp1 cKO 200x S3I-201

Figure 7

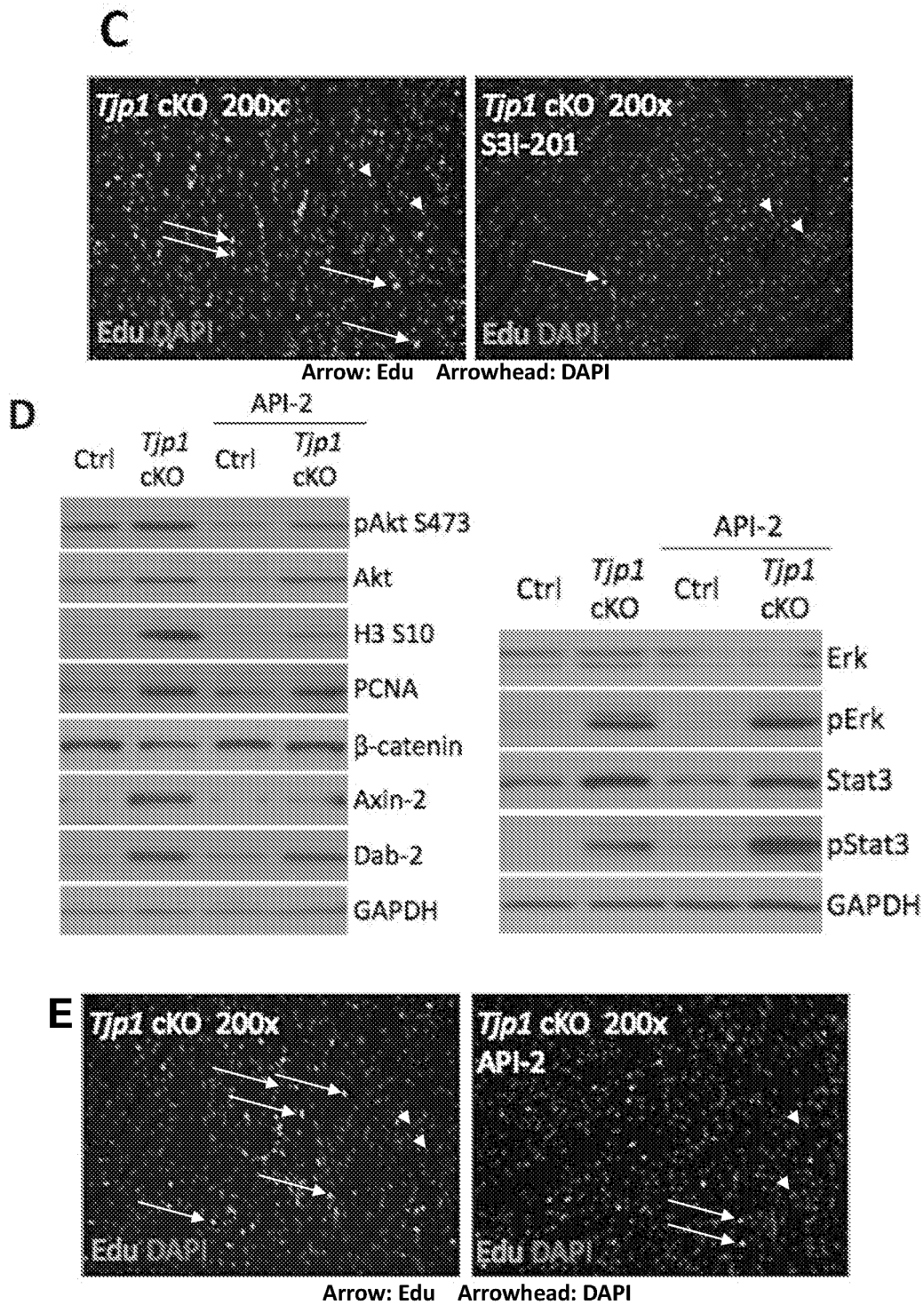
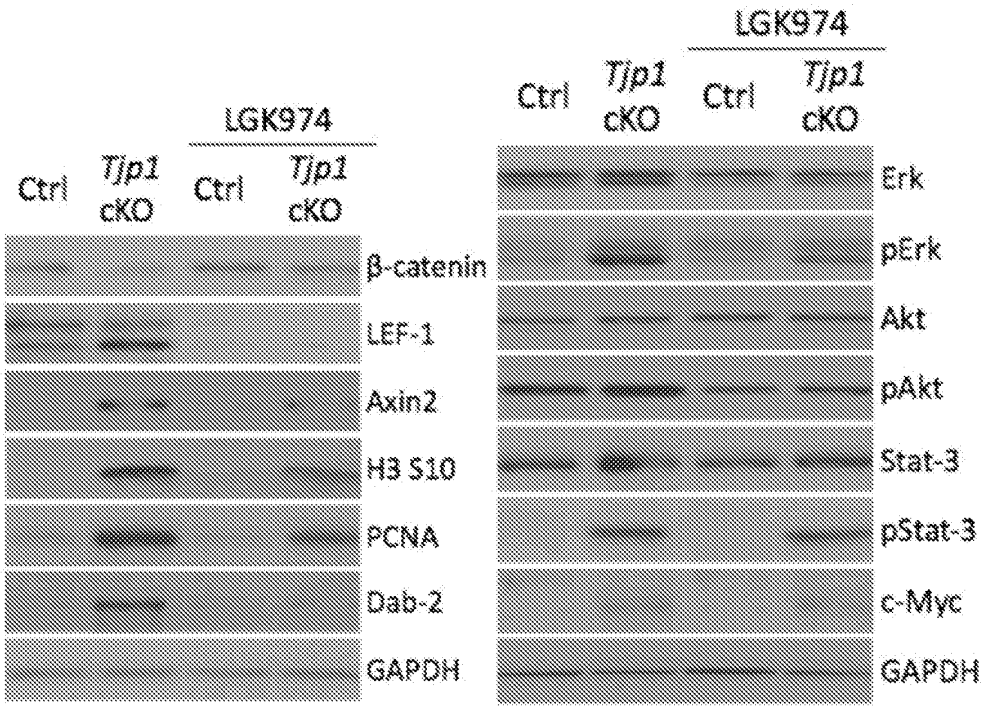
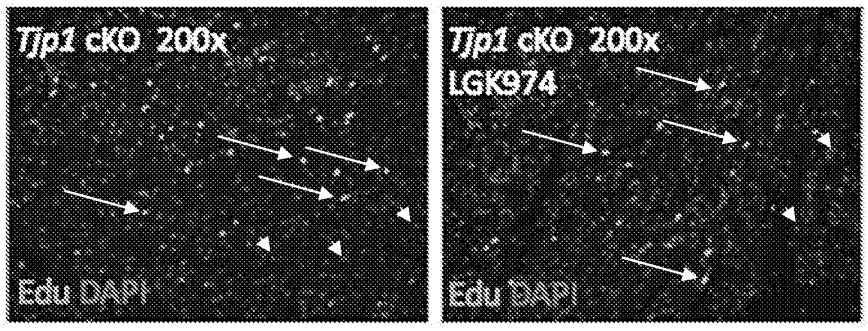


Figure 7 (cont.)

F

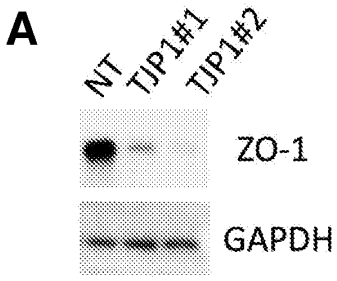


G



Arrow: Edu Arrowhead: DAPI

Figure 7 (cont.)



B

mTJP1 shRNA#1 --- **SEQ ID NO: 3**
CCGGCGTGGATTGAACTTACTAAATCTCGAGATTTAGTAAGTTCAATCCACGTTTTTG

mTJP1 shRNA#2 --- **SEQ ID NO: 4**
CCGGCCGCGAAGTTATGAGCAAGTTCTCGAGAACTTGCTCATAACTTCGCGGTTTTTG

Figure 8