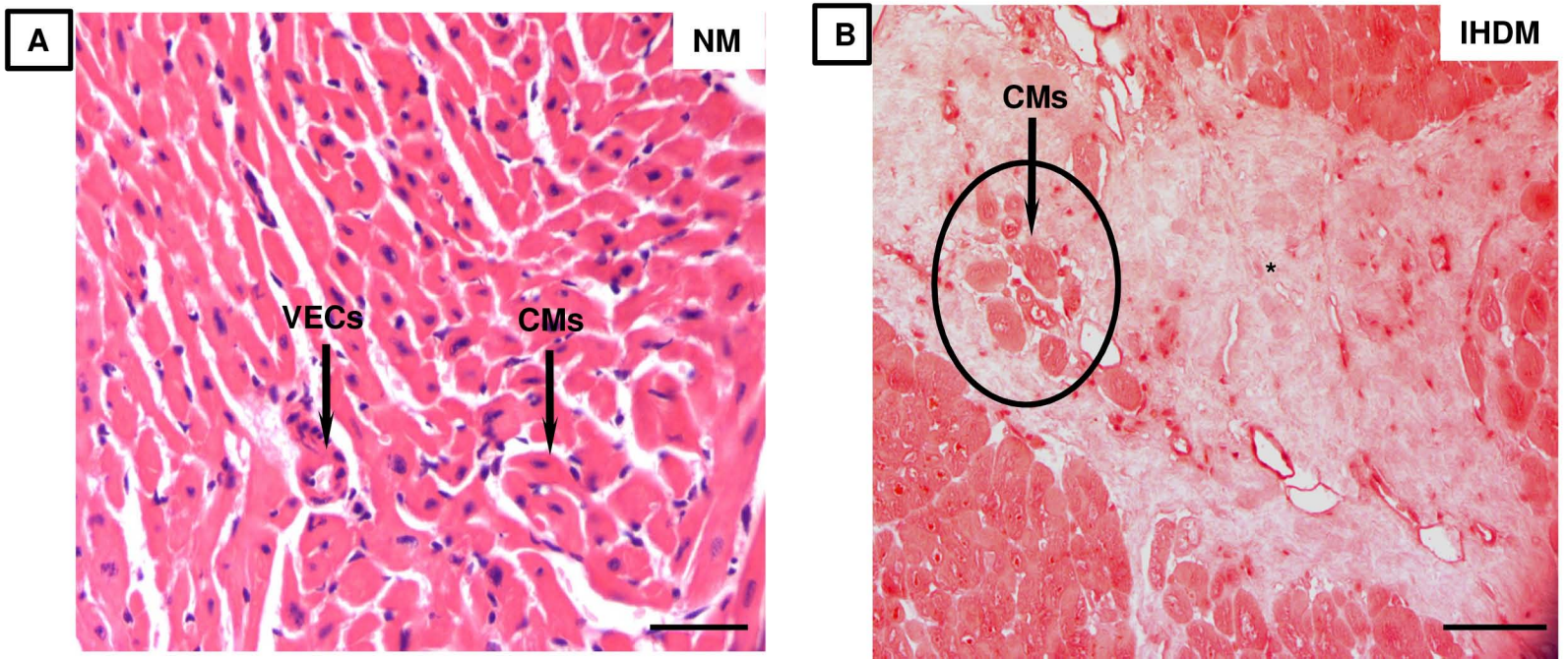
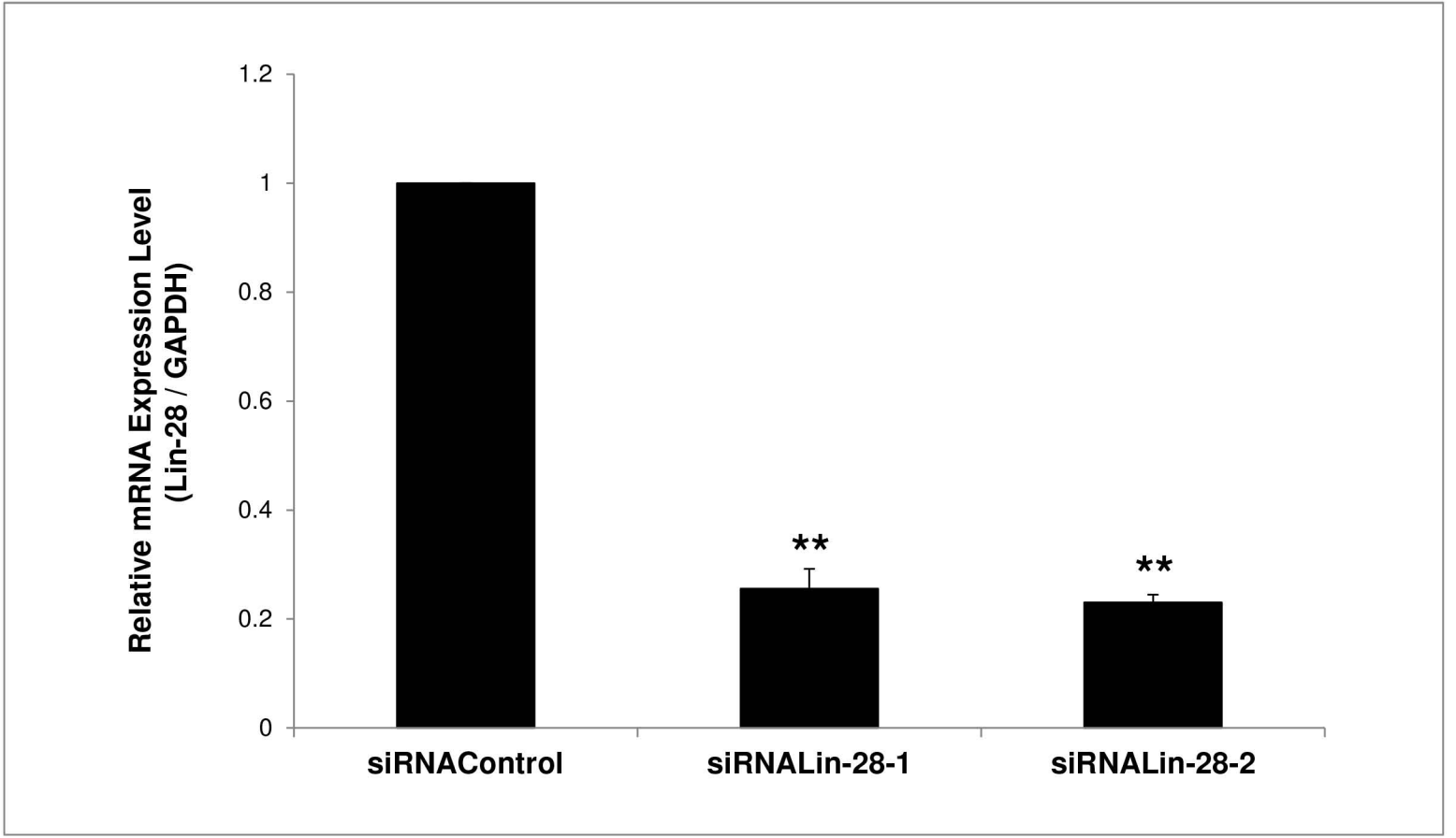
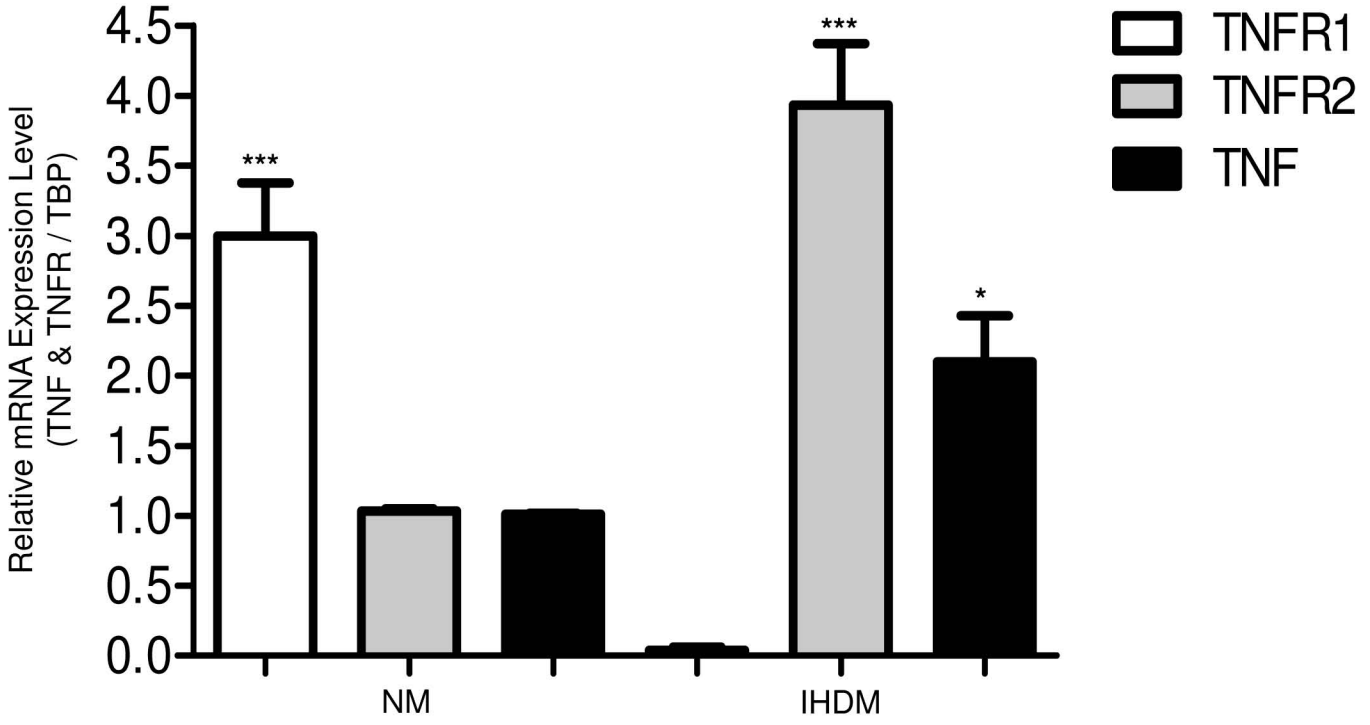
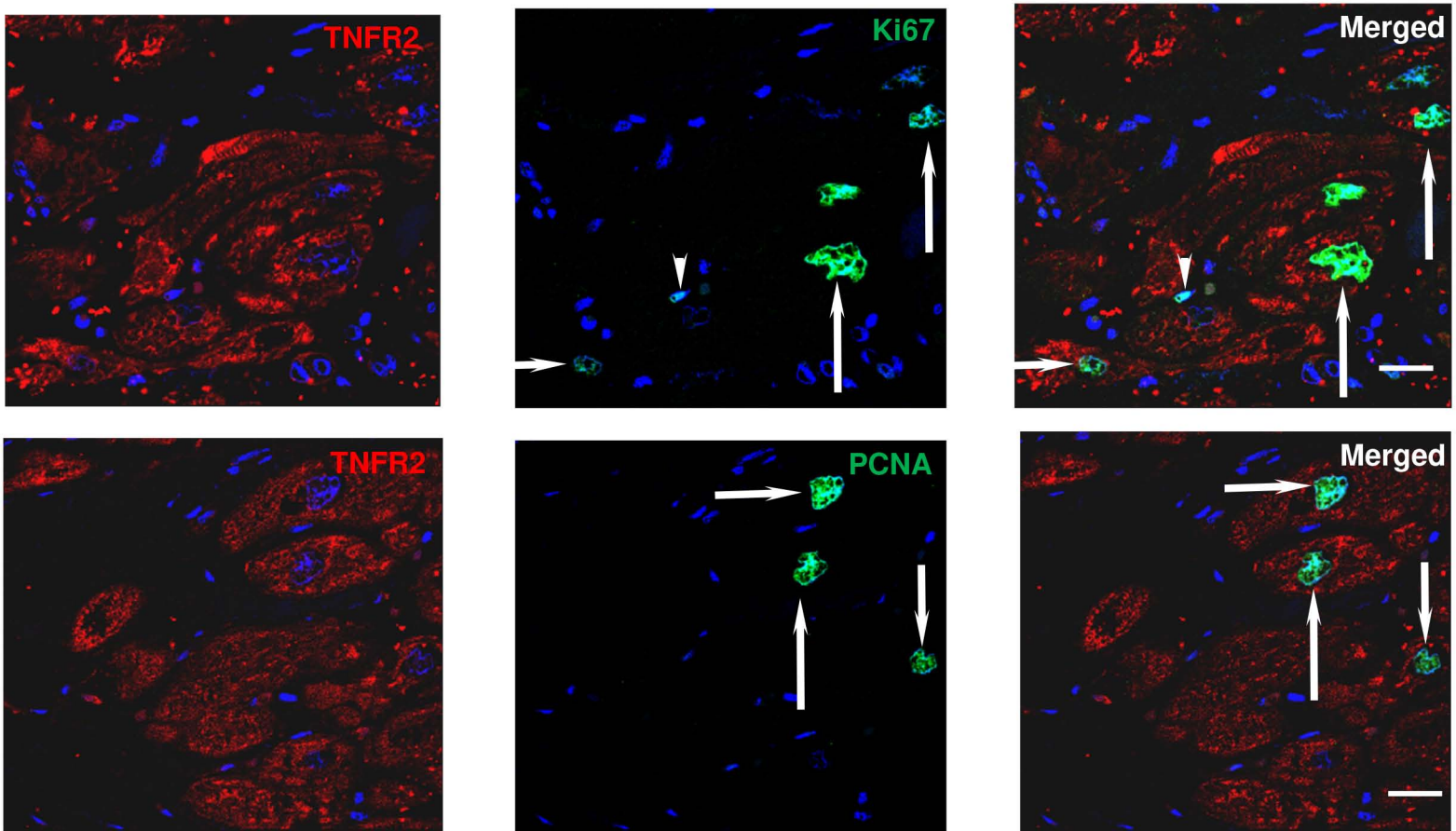

A
NM
VECs
CMs
B
IHDM
CMs
*

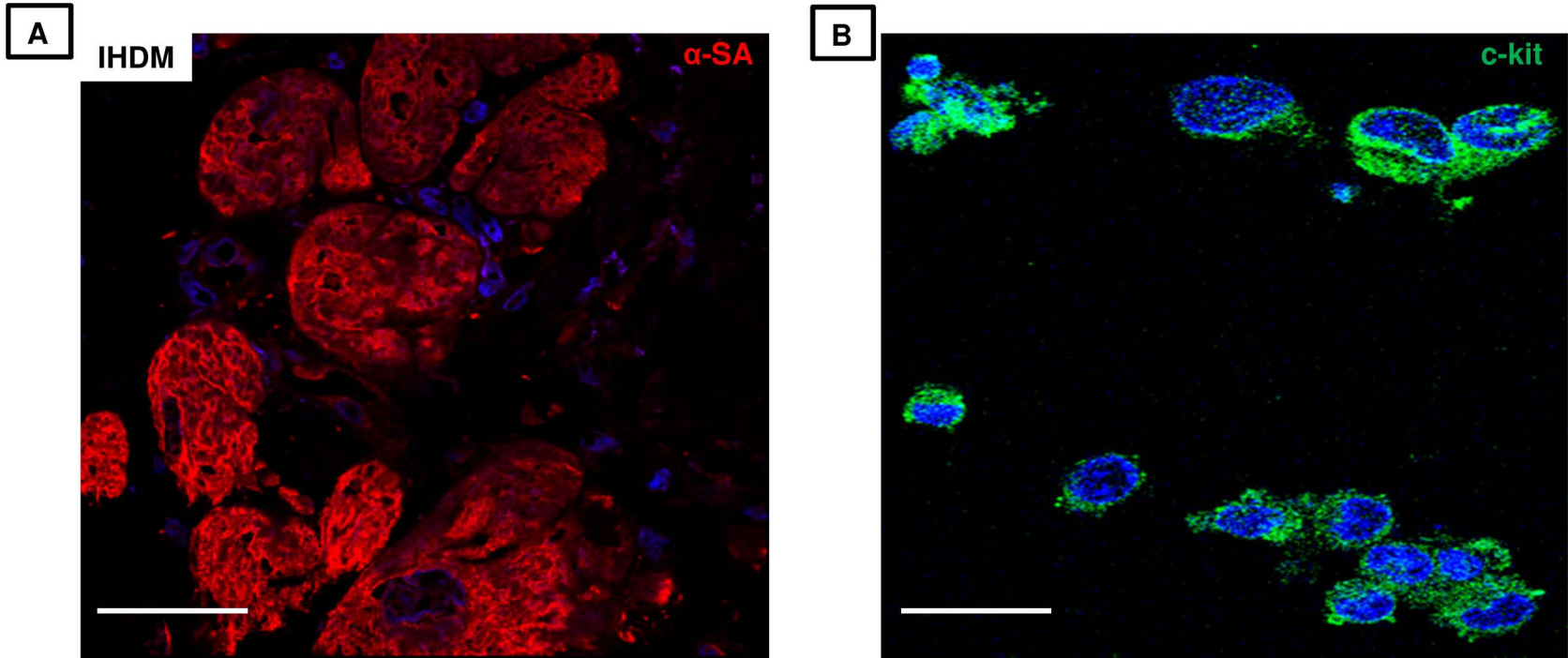

Relative mRNA Expression Level
(Lin-28 / GAPDH)
1.2
1
0.8
0.6
0.4
0.2
0
**
**
siRNAControl
siRNALin-28-1
siRNALin-28-2

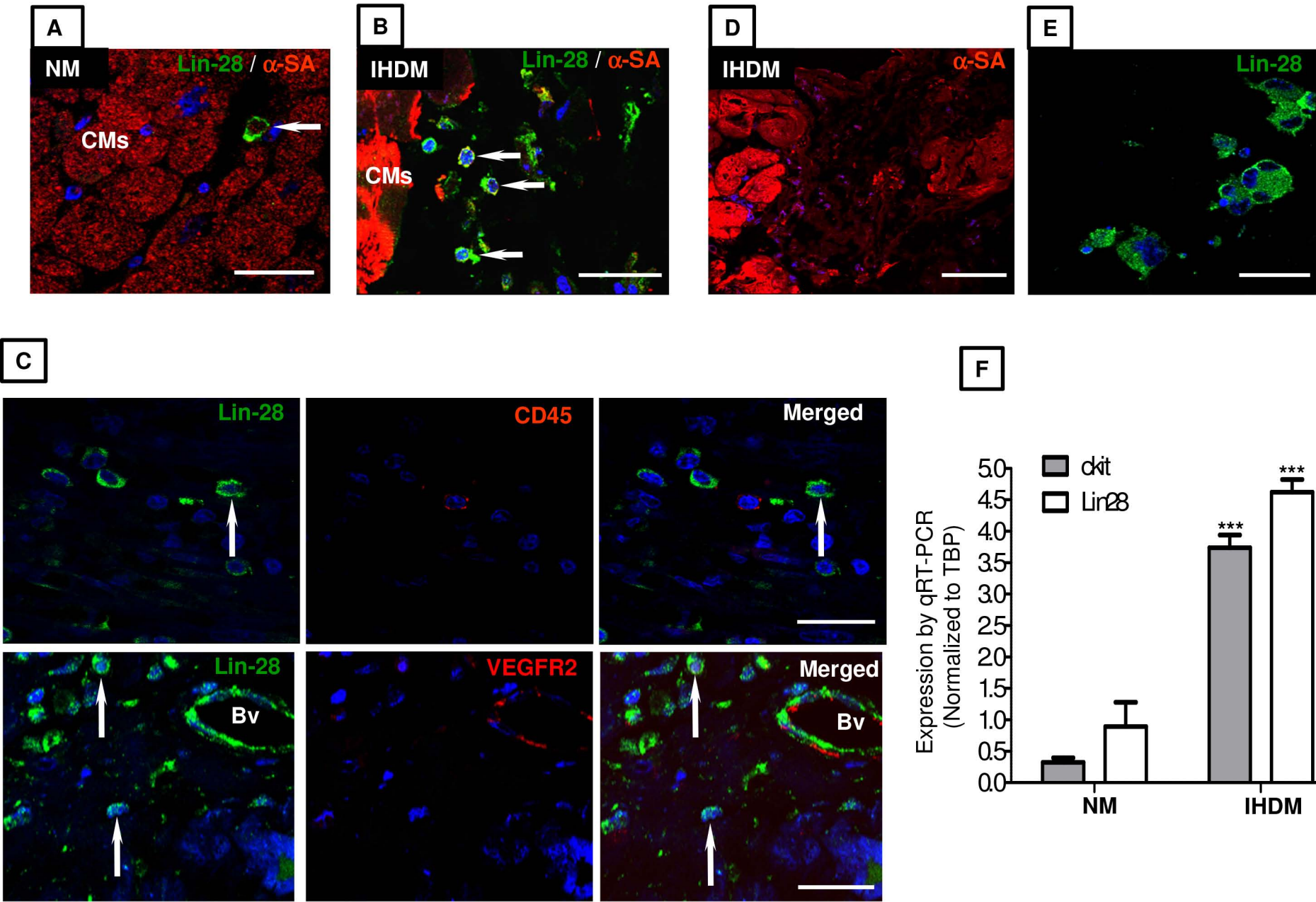

Relative mRNA Expression Level
(TNF & TNFR / TBP)
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
***
***
*
NM
IHDM
TNFR1
TNFR2
TNF

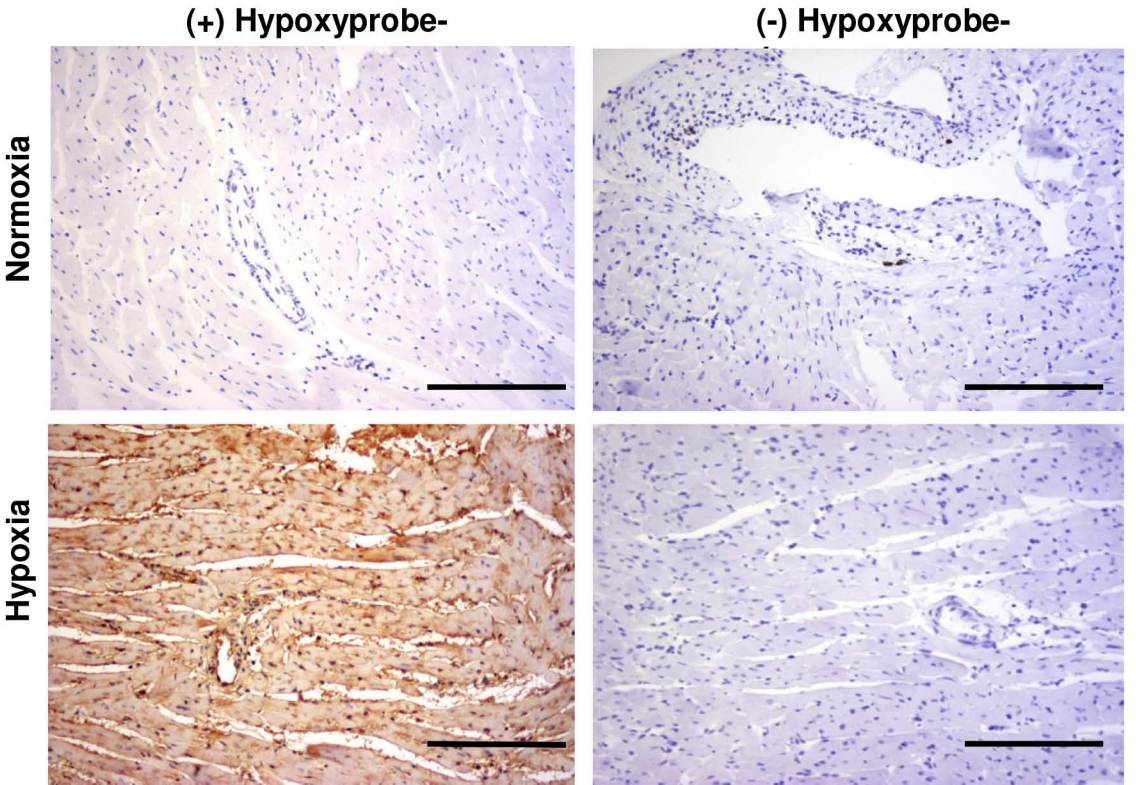
Supplementary Figure 3

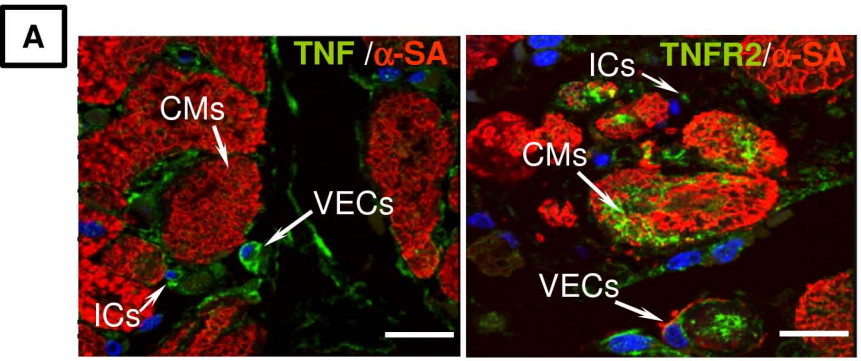


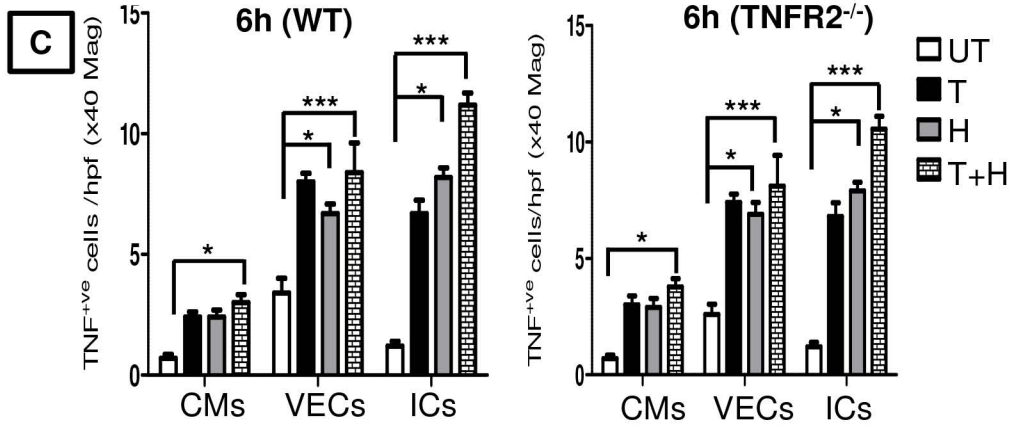
Supplementary Figure 4

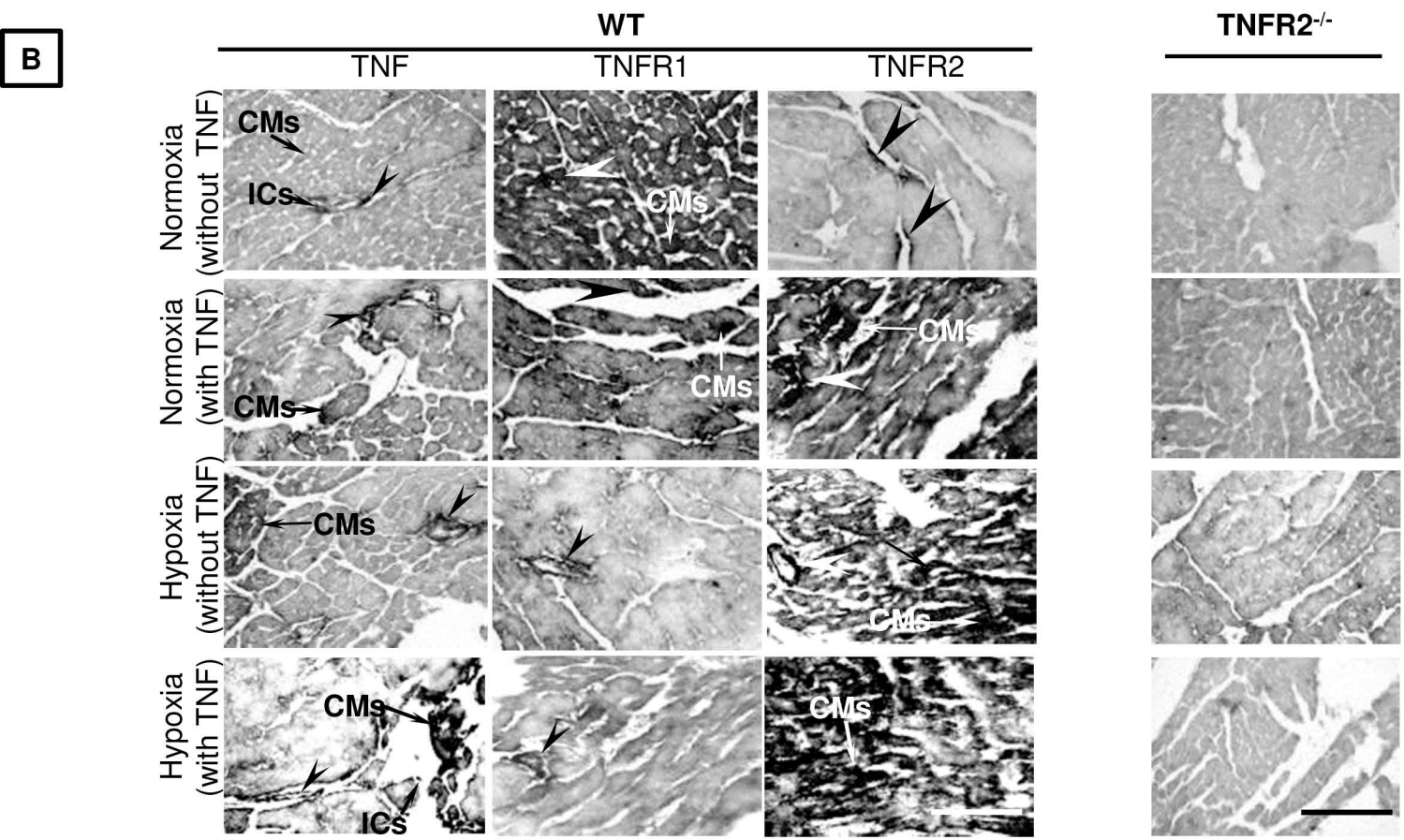


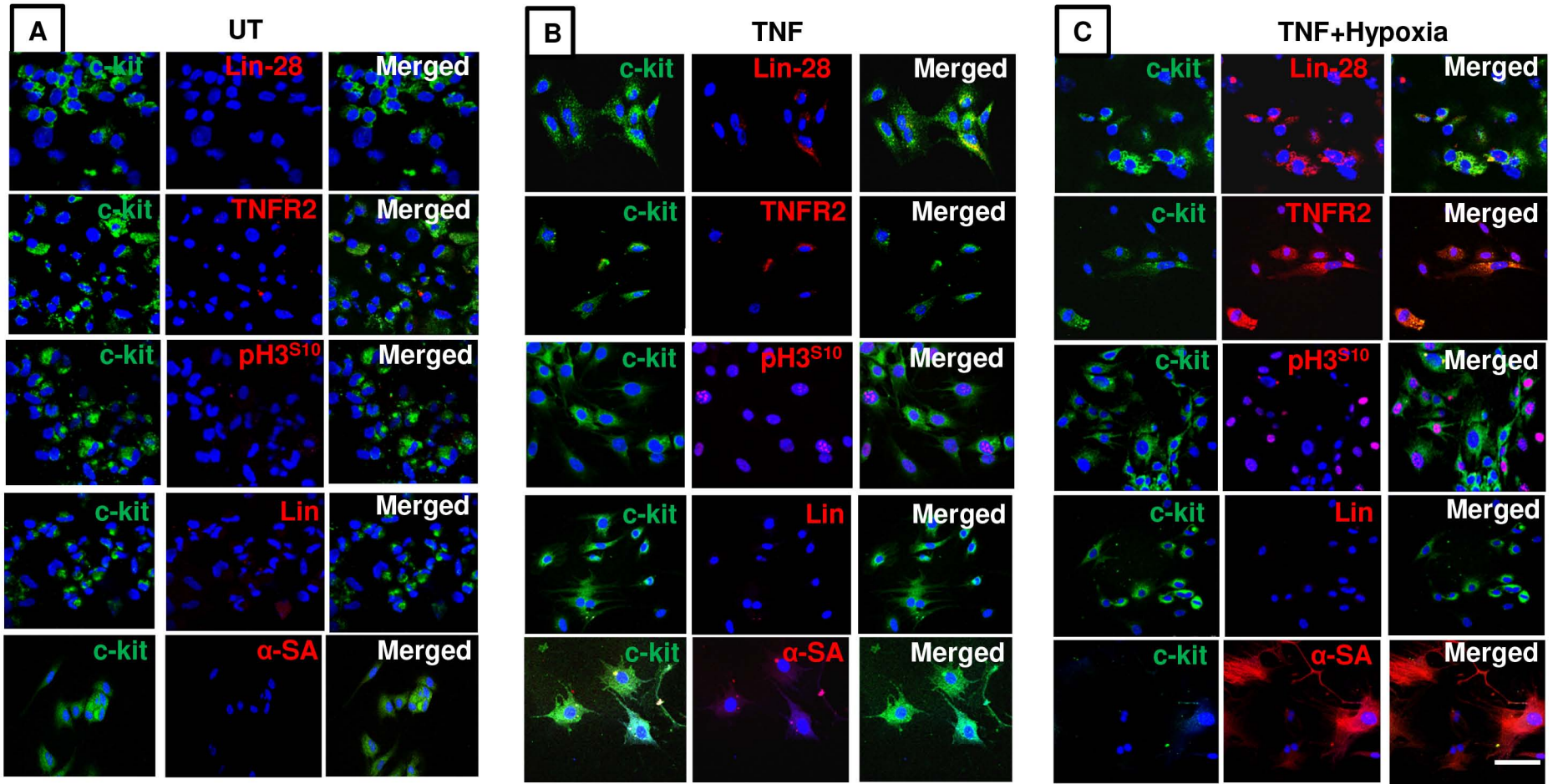

A
NM
Lin-28 / α-SA
CMs
B
IHDM
Lin-28 / α-SA
CMs
D
IHDM
α-SA
E
Lin-28
C
Lin-28
CD45
Merged
Lin-28
Bv
VEGFR2
Merged
Bv
F
Expression by qRT-PCR (Normalized to TBP)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ckit
Lin28
***
***
NM
IHDM

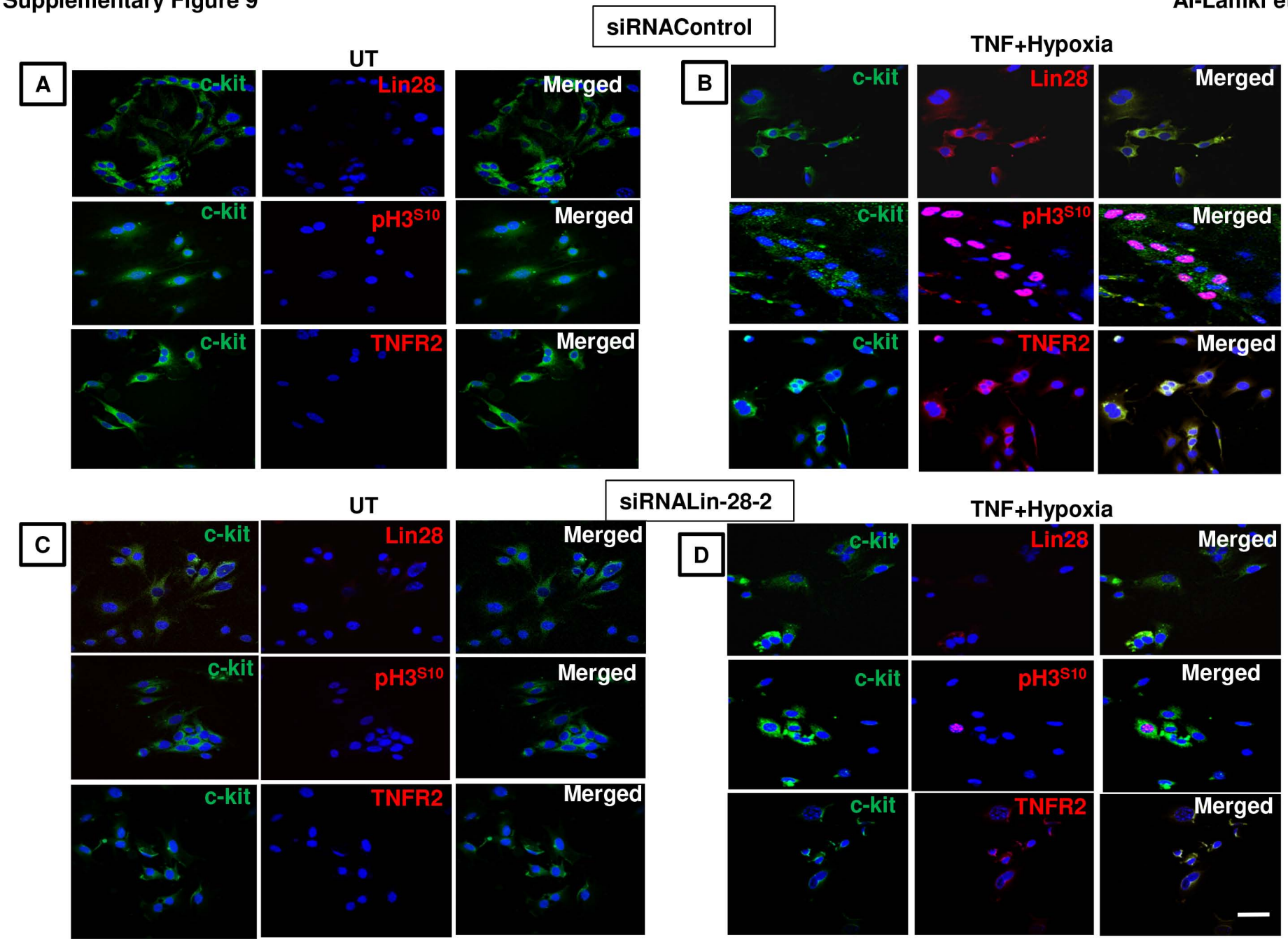

(+) Hypoxyprobe-
(-) Hypoxyprobe-
Normoxia
Hypoxia


A
TNF /α-SA
CMs
VECs
ICs
TNFR2/α-SA
ICs
CMs
VECs


C
6h (WT)
6h (TNFR2-/-)
TNF+ve cells /hpf (x40 Mag)
TNF+ve cells/hpf (x40 Mag)
UT
T
H
T+H
CMs
VECs
ICs


B
WT
TNFR2-/-
TNF
TNFR1
TNFR2
Normoxia (without TNF)
Normoxia (with TNF)
Hypoxia (without TNF)
Hypoxia (with TNF)
CMs
ICs


A
UT
c-kit
Lin-28
Merged
c-kit
TNFR2
Merged
c-kit
pH3S10
Merged
c-kit
Lin
Merged
c-kit
α-SA
Merged
B
TNF
c-kit
Lin-28
Merged
c-kit
TNFR2
Merged
c-kit
pH3S10
Merged
c-kit
Lin
Merged
c-kit
α-SA
Merged
C
TNF+Hypoxia
c-kit
Lin-28
Merged
c-kit
TNFR2
Merged
c-kit
pH3S10
Merged
c-kit
Lin
Merged
c-kit
α-SA
Merged


siRNAControl
UT
TNF+Hypoxia
A
B
c-kit
Lin28
Merged
pH3S10
TNFR2
siRNALin-28-2
C
D