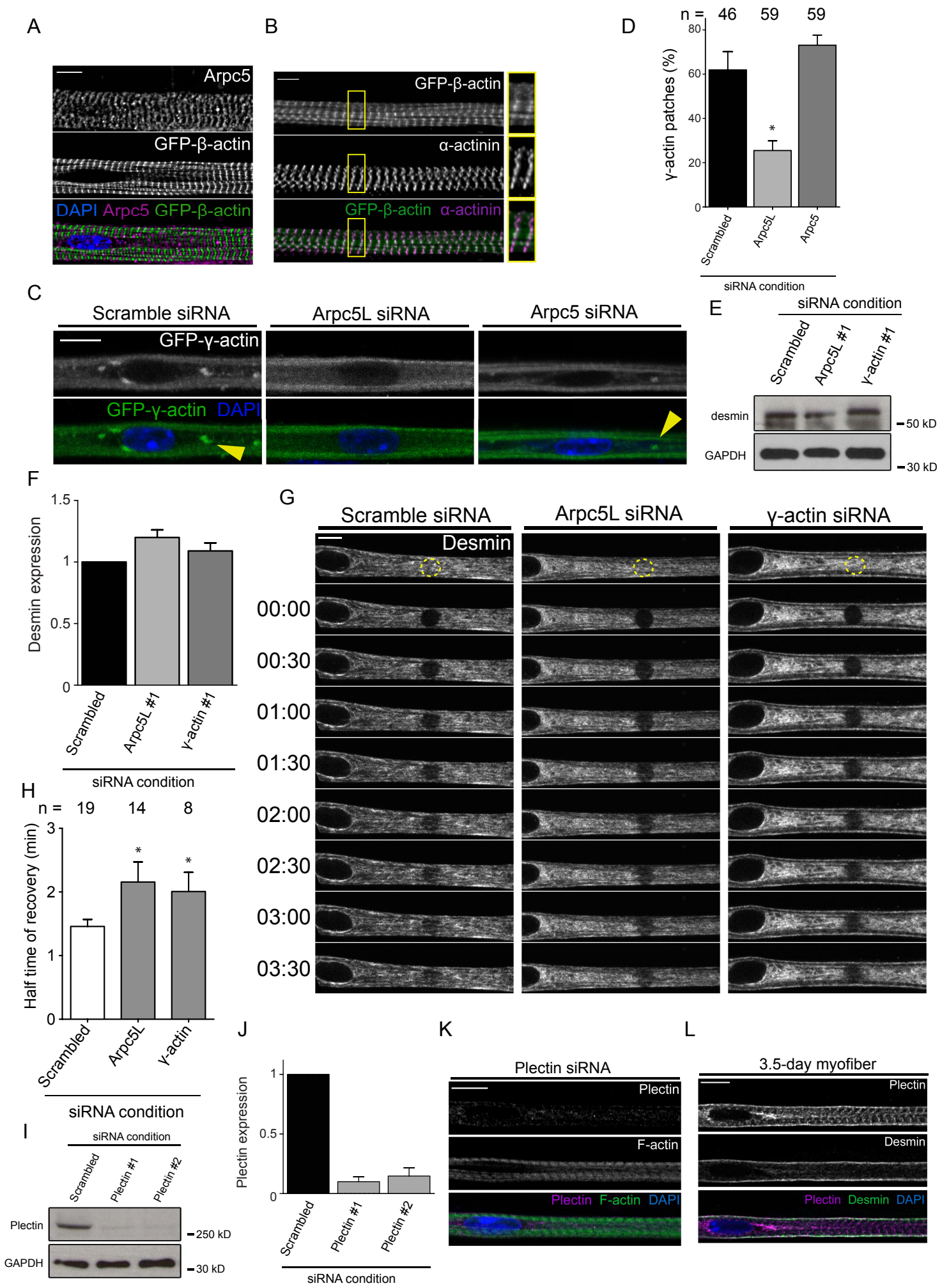
Figure S5


A
Arpc5
GFP-β-actin
DAPI Arpc5 GFP-β-actin
B
GFP-β-actin
α-actinin
GFP-β-actin α-actinin
D
n = 46 59 59
γ-actin patches (%)
80
60
40
20
0
*
Scrambled
Arpc5L
Arpc5
siRNA condition
C
Scramble siRNA
Arpc5L siRNA
Arpc5 siRNA
GFP-γ-actin
GFP-γ-actin DAPI
E
siRNA condition
Scrambled
Arpc5L #1
γ-actin #1
desmin
GAPDH
50 kD
30 kD
F
Desmin expression
1.5
1
0.5
0
Scrambled
Arpc5L #1
γ-actin #1
siRNA condition
G
Scramble siRNA
Arpc5L siRNA
γ-actin siRNA
Desmin
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
H
n = 19 14 8
Half time of recovery (min)
3
2
1
0
*
*
Scrambled
Arpc5L
γ-actin
siRNA condition
I
siRNA condition
Scrambled
Plectin #1
Plectin #2
Plectin
GAPDH
250 kD
30 kD
J
Plectin expression
1
0.5
0
Scrambled
Plectin #1
Plectin #2
siRNA condition
K
Plectin siRNA
Plectin
F-actin
Plectin F-actin DAPI
L
3.5-day myofiber
Plectin
Desmin
Plectin Desmin DAPI