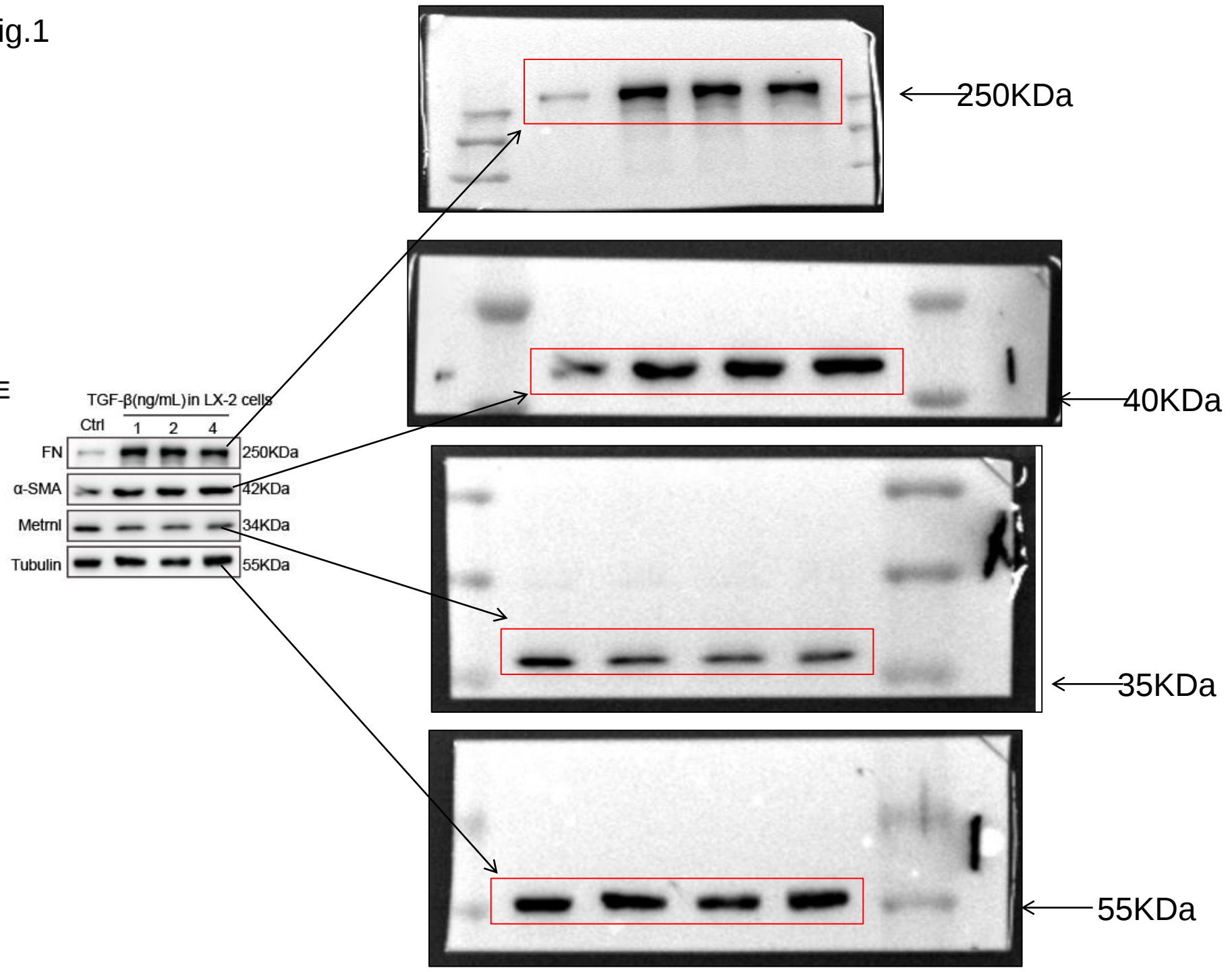


Fig.1

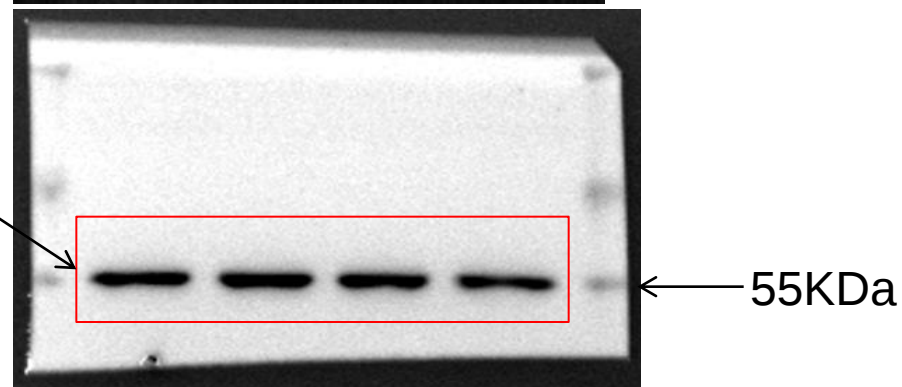
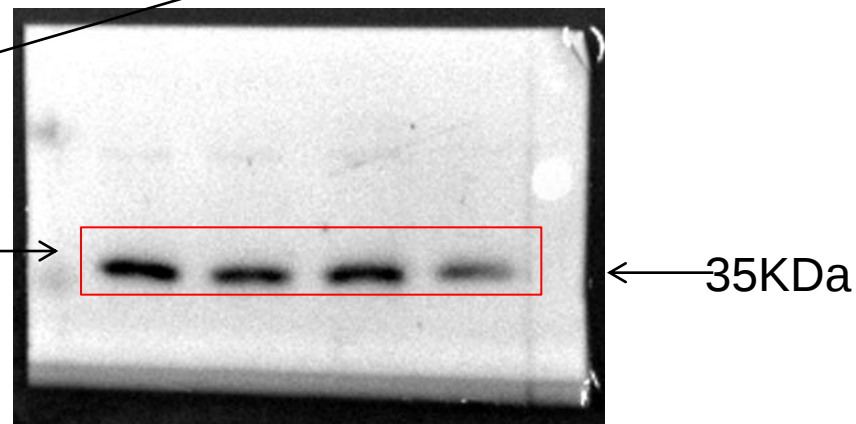
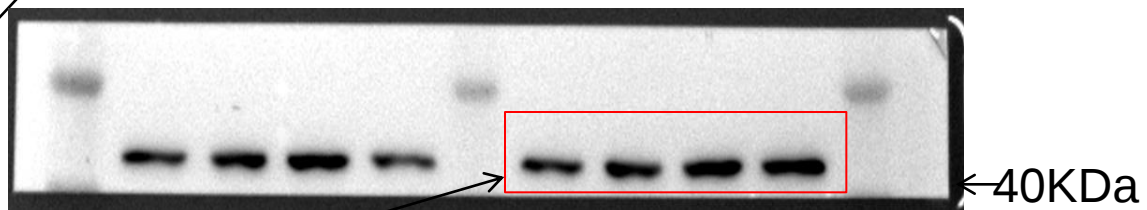
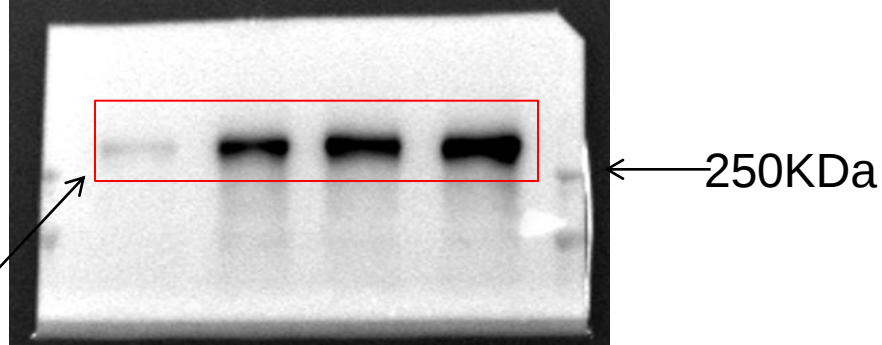
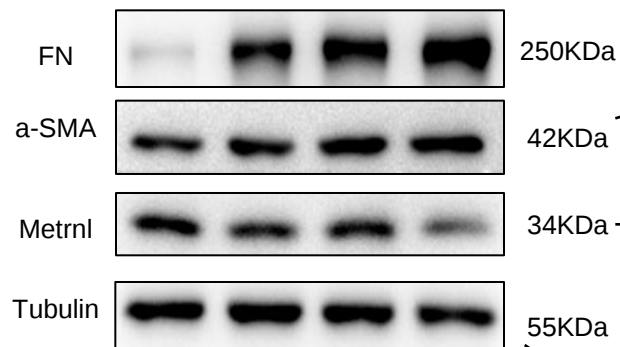
E



Repeat

TGF- β (ng/mL) in LX-2 cells

Ctrl 1 2 4



Repeat

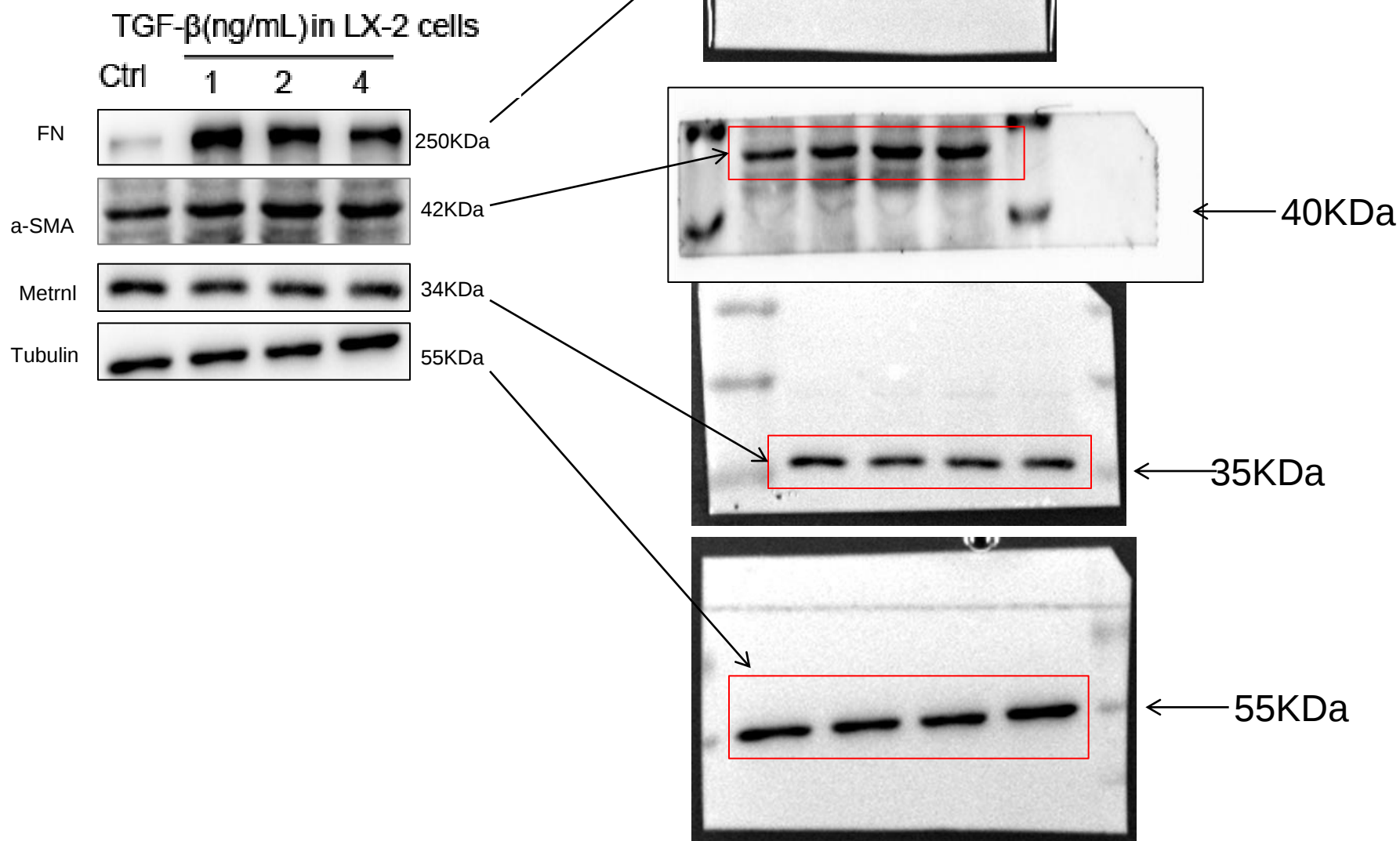
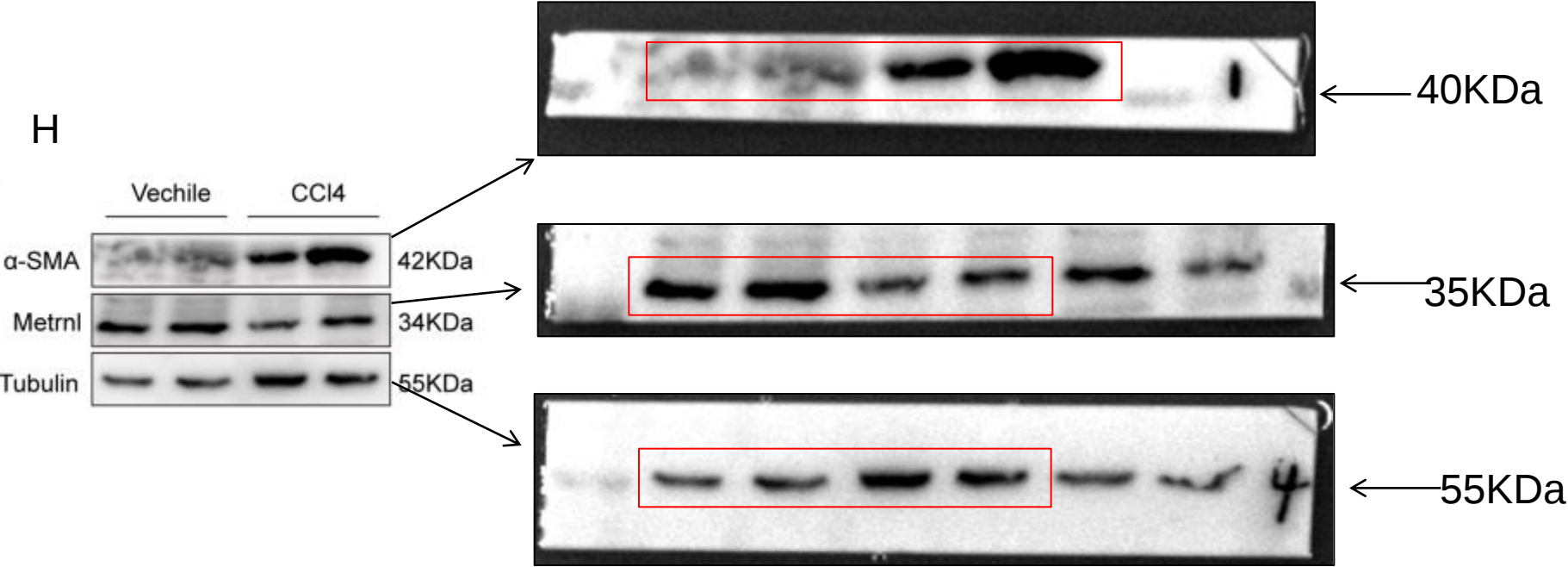
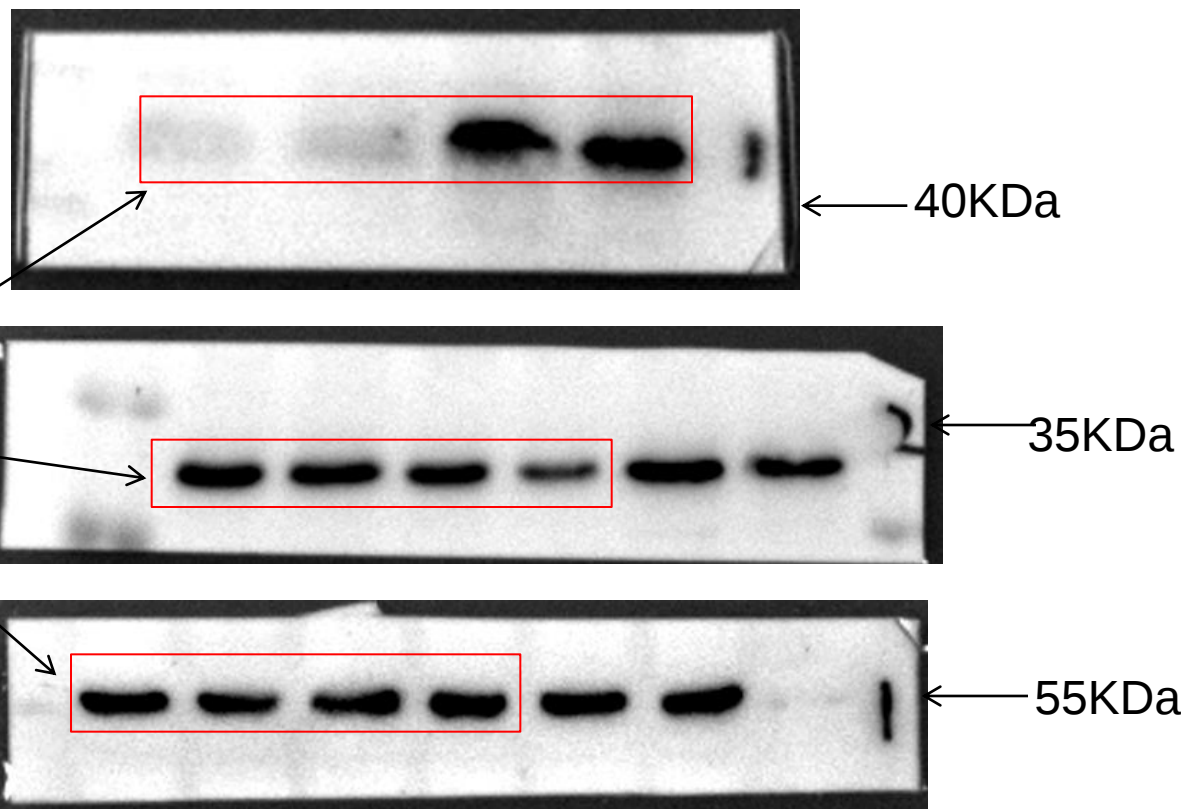
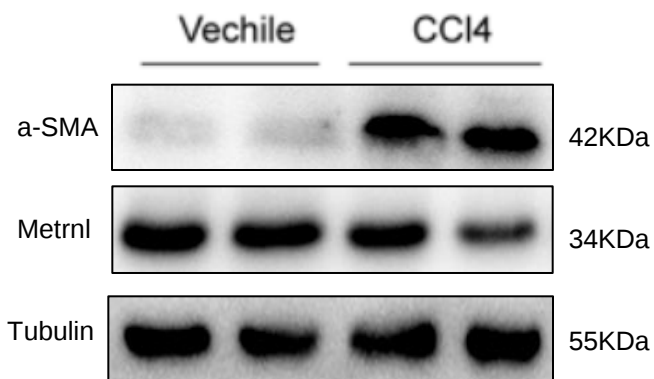


Fig.1

H



Repeat



Repeat

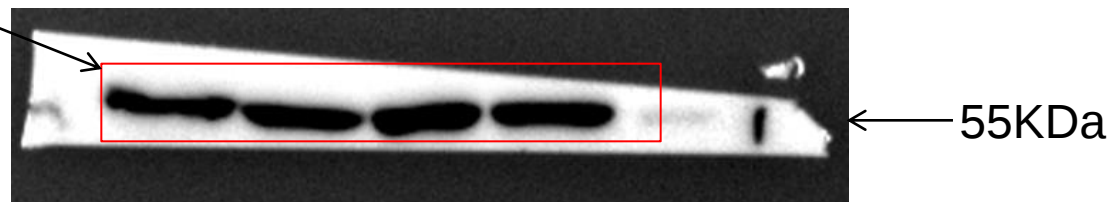
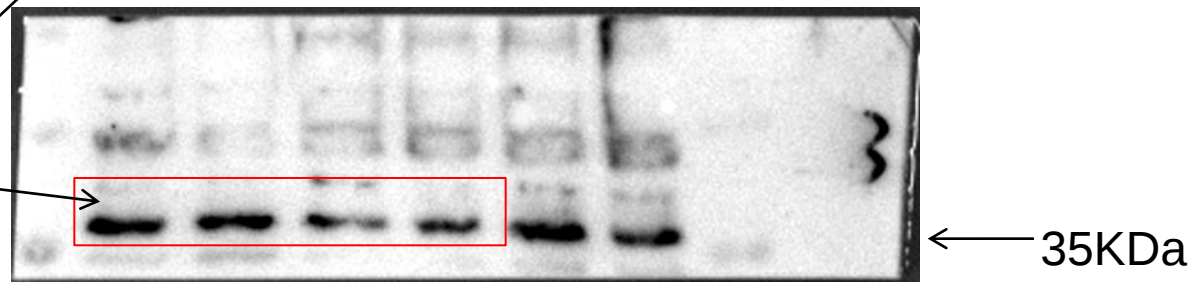
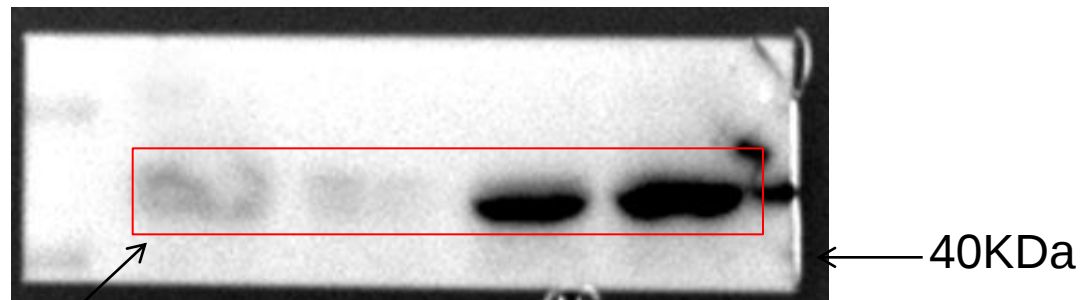
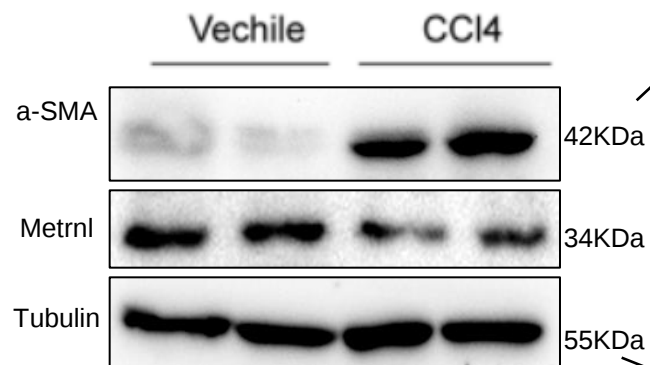
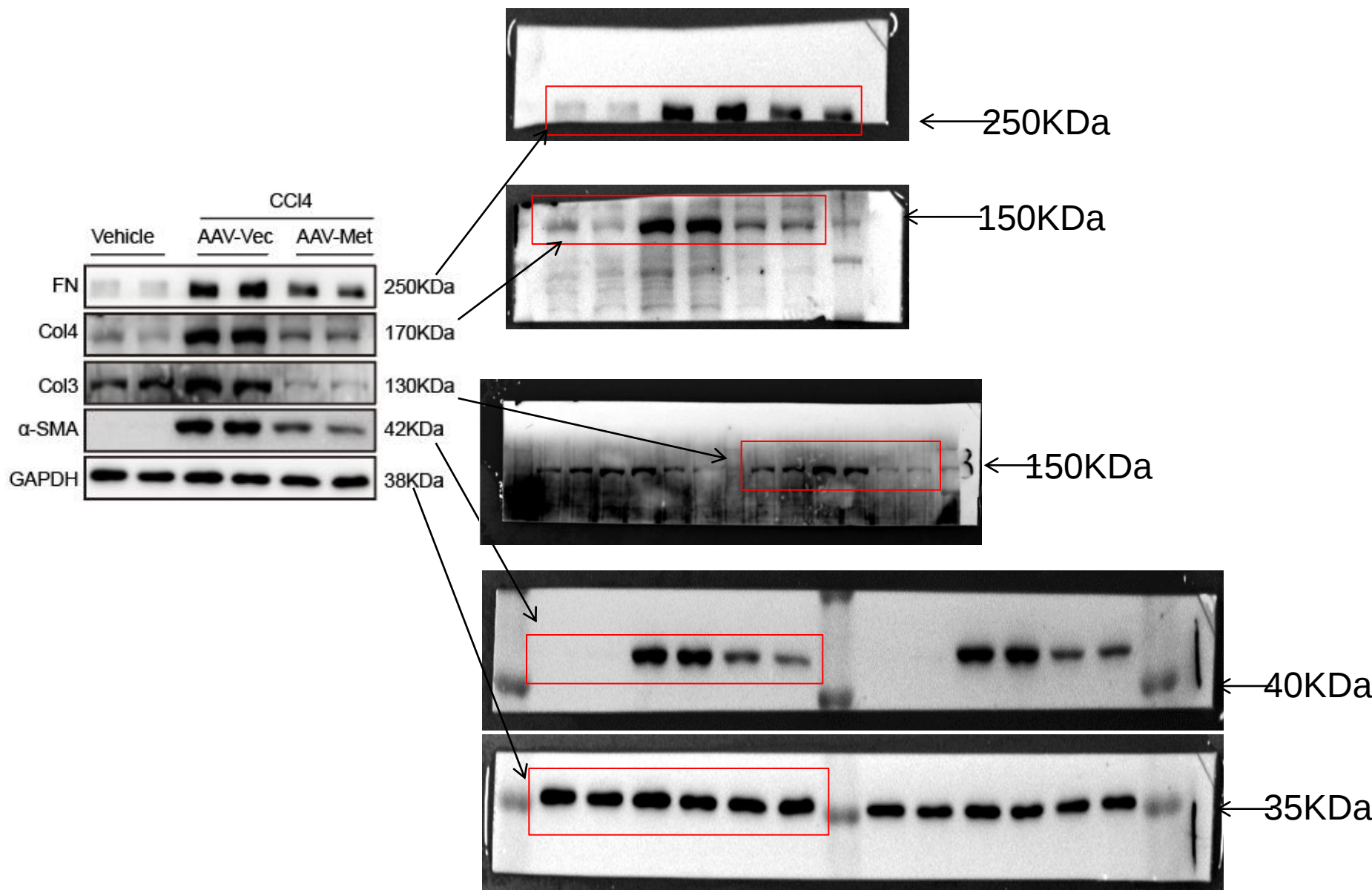
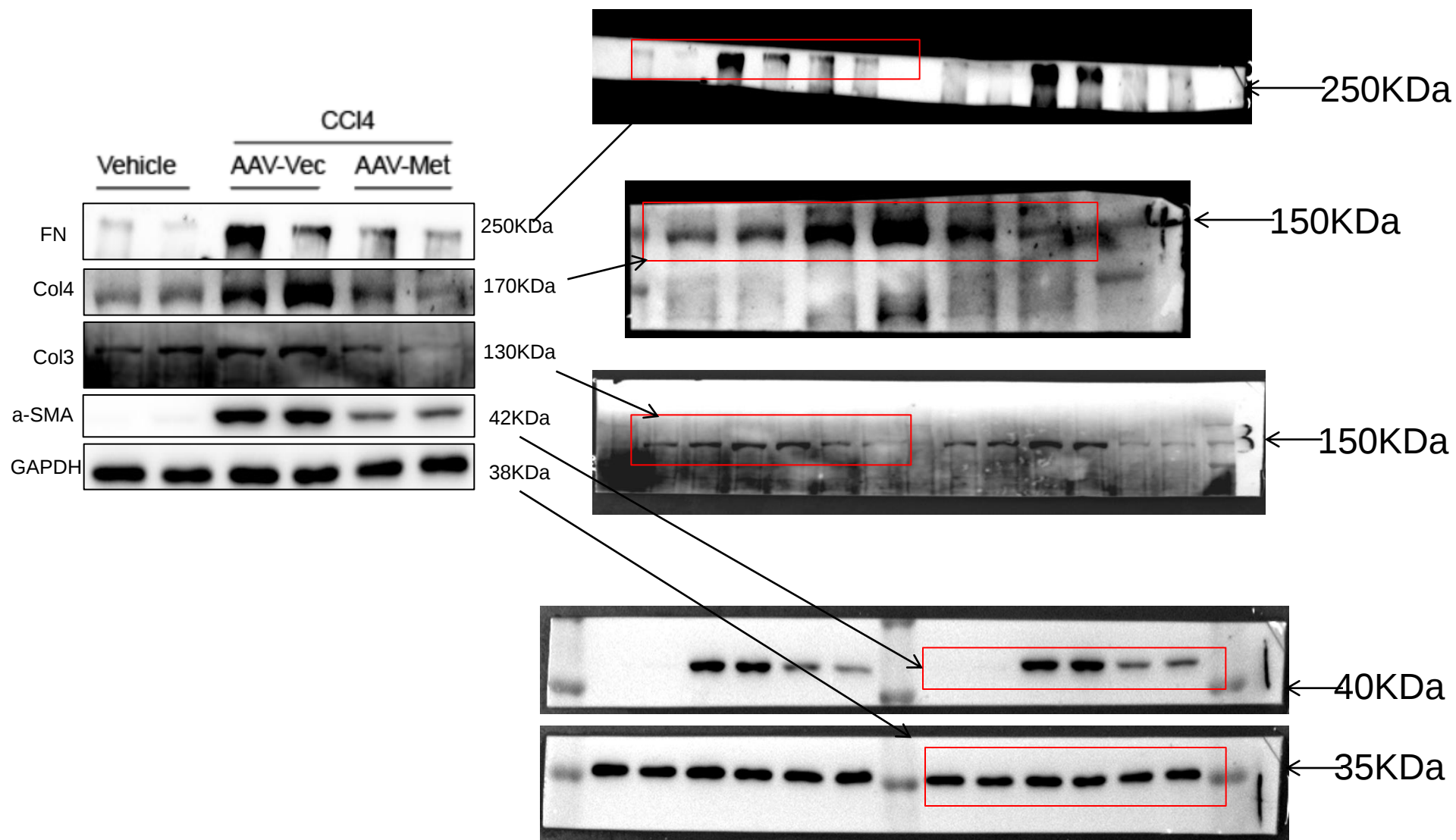


Fig.2

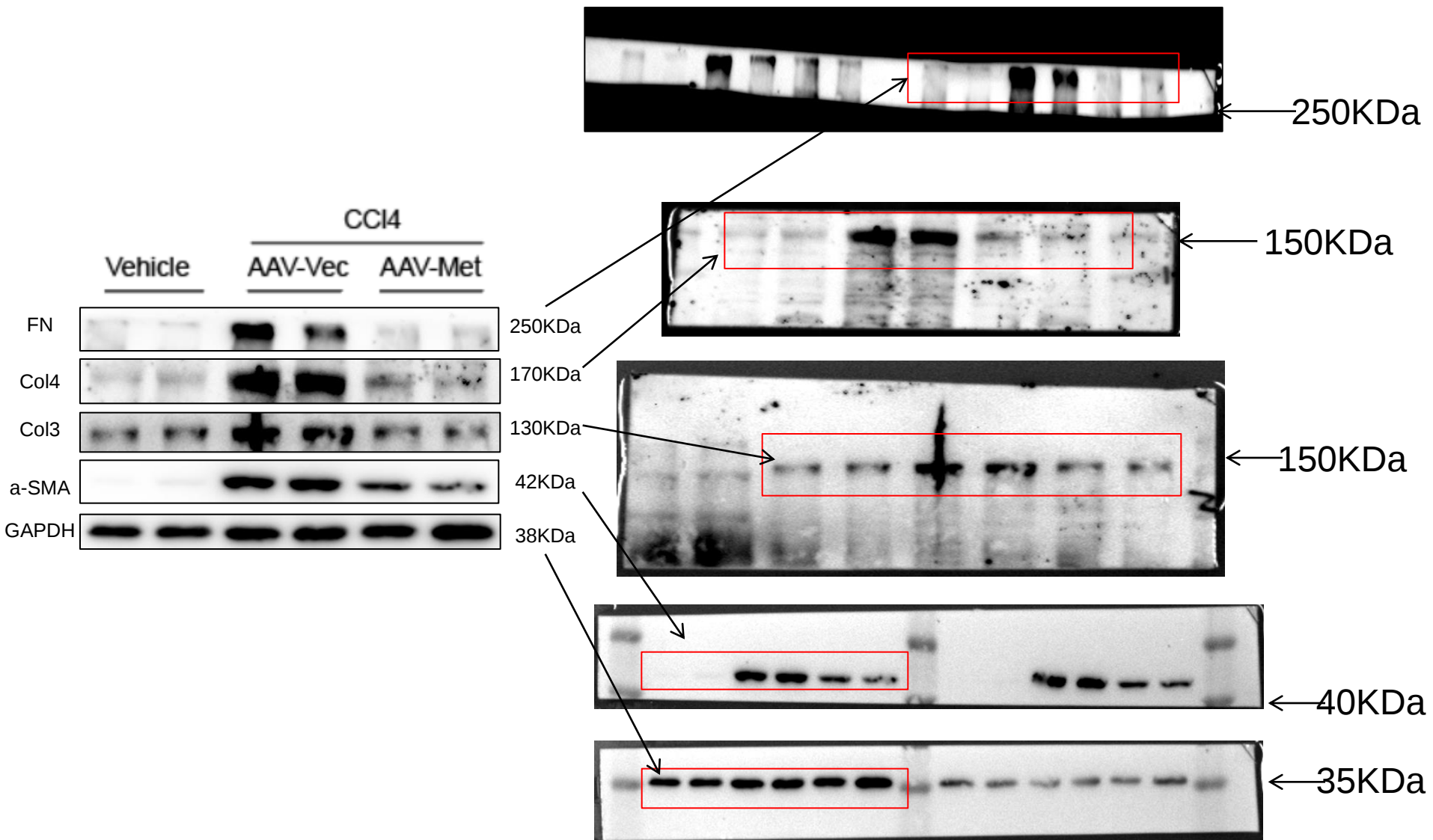
C



Repeat



Repeat



D

Western blot analysis of liver tissue from WT and *Metn1*^{-/-} mice treated with CCl₄. The main blot shows bands for FN (250KDa), Col4 (170KDa), α-SMA (42KDa), and GAPDH (38KDa). Four enlarged views of the α-SMA bands are shown on the right, labeled 250KDa, 150KDa, 40KDa, and 35KDa. Arrows indicate the correspondence between the main blot bands and the enlarged views.

WT Metrn1^{-/-}

WT

Metrnl-/-

FN

250KDa

Col4

170KDa

α -SMA

42KDa

GAPDH

38KDa

250KDa

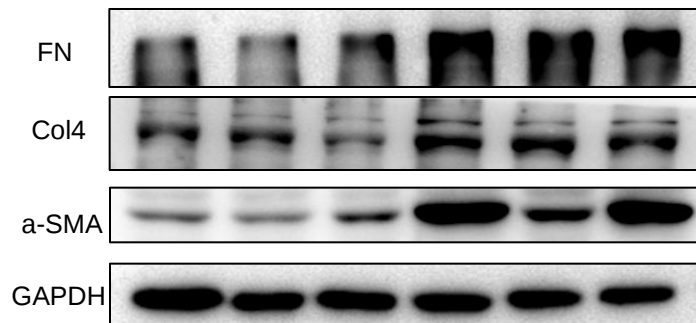
—150KDa

-40KDa

-35KDa

Repeat

WT CCl₄ Metrn1^{-/-}

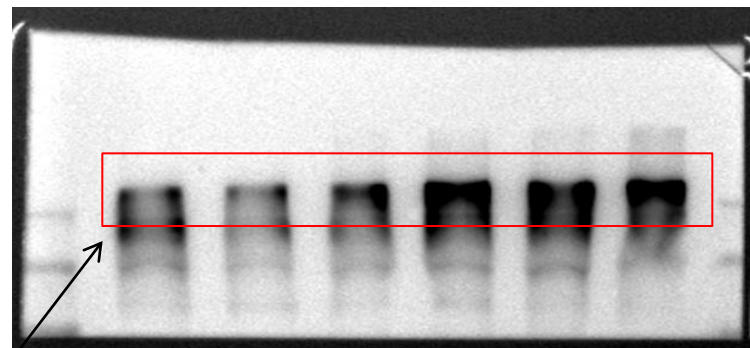


250KDa

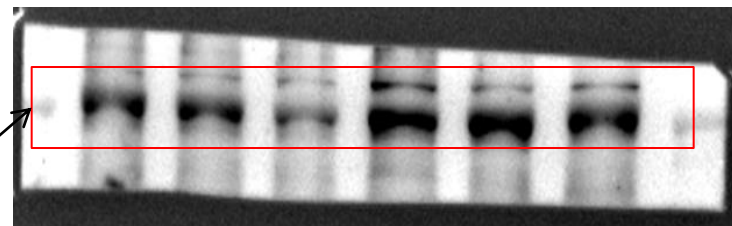
170KDa

42KDa

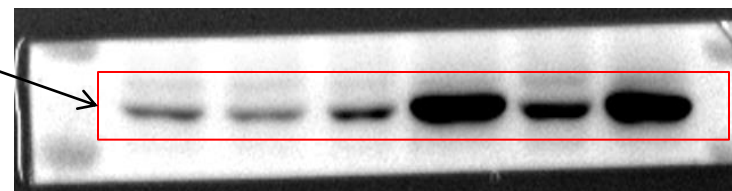
38KDa



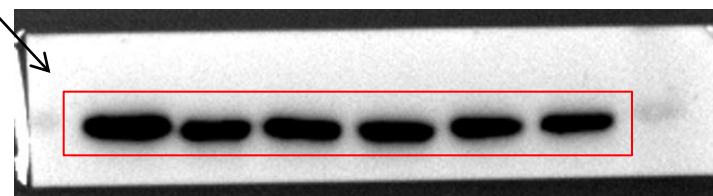
← 250KDa



← 150KDa

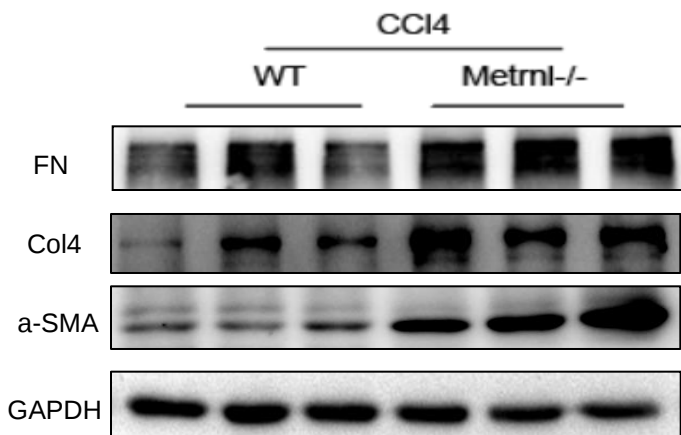


← 40KDa



← 35KDa

Repeat

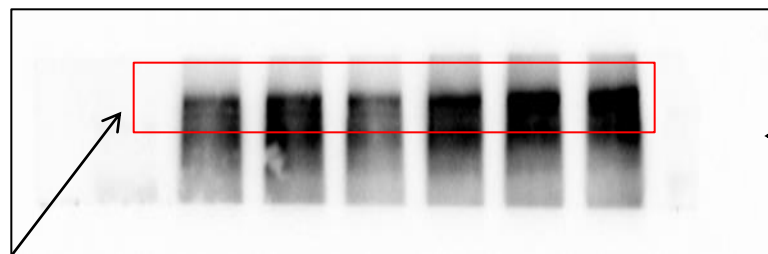


250KDa

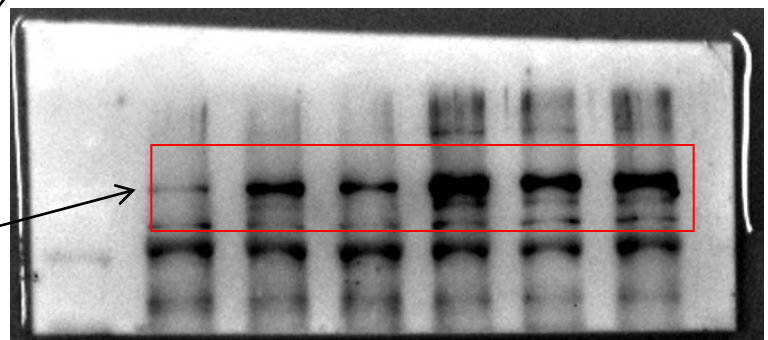
170KDa

42KDa

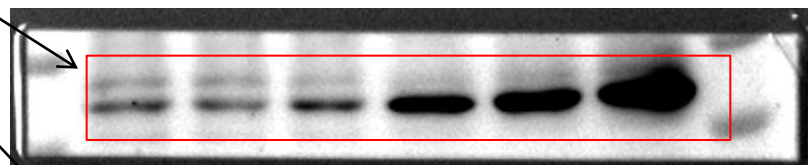
38KDa



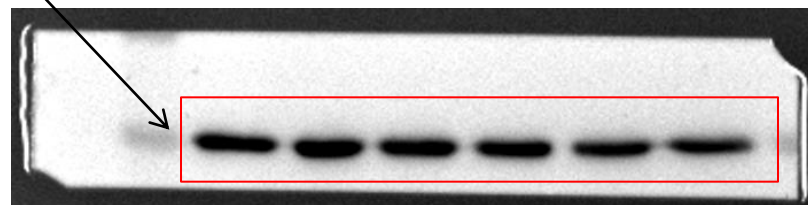
← 250KDa



← 150KDa



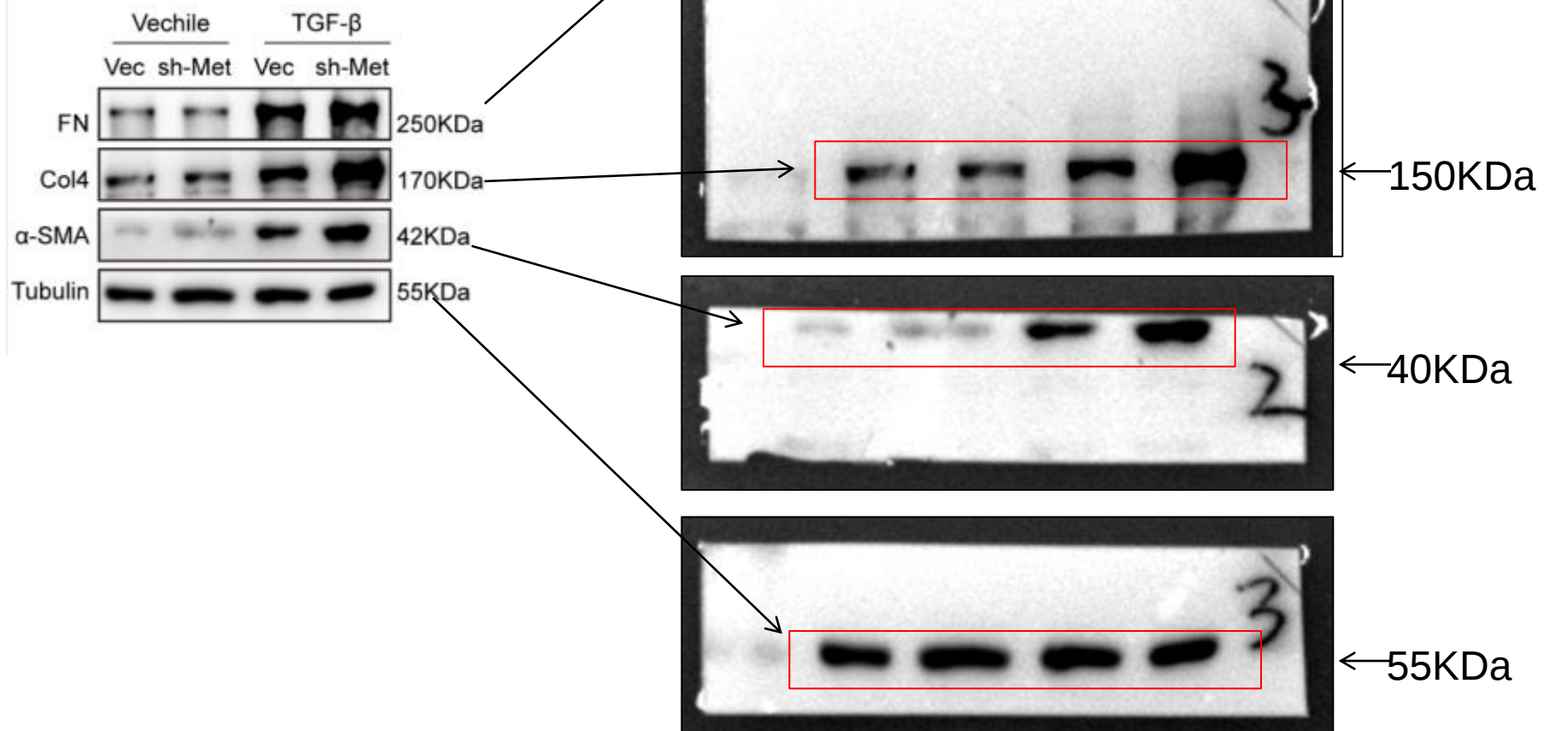
← 40KDa



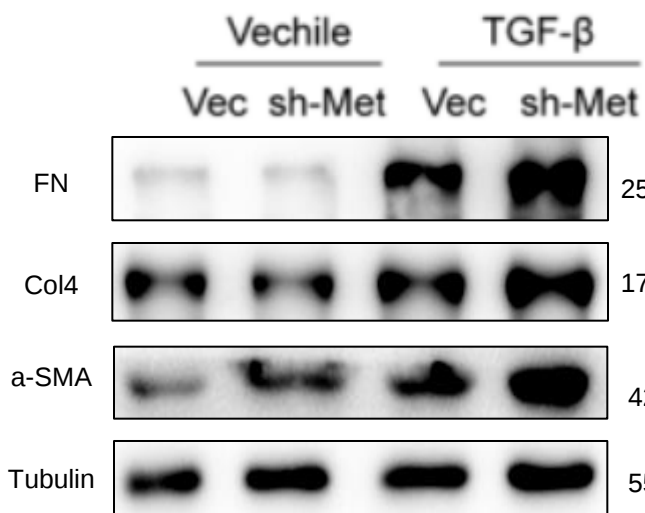
← 35KDa

Fig.4

B



Repeat

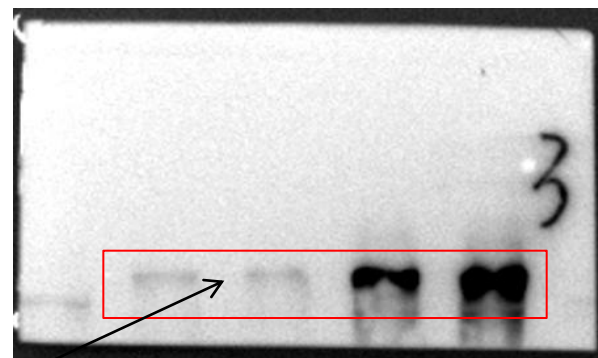


250KDa

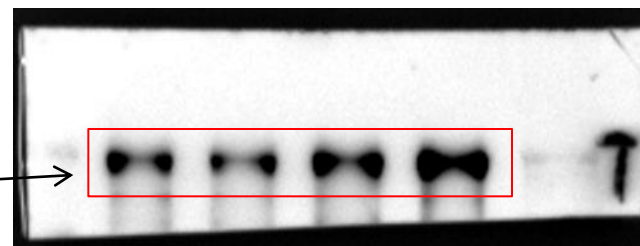
170KDa

42KDa

55KDa



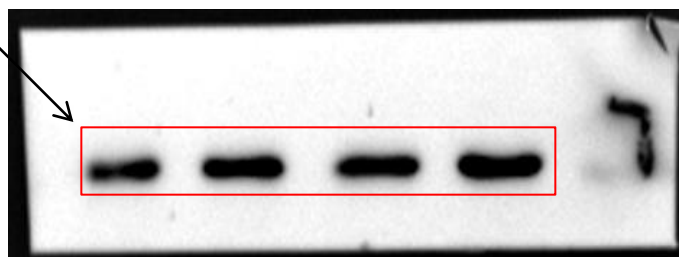
← 250KDa



← 170KDa



← 40KDa



← 55KDa

Repeat

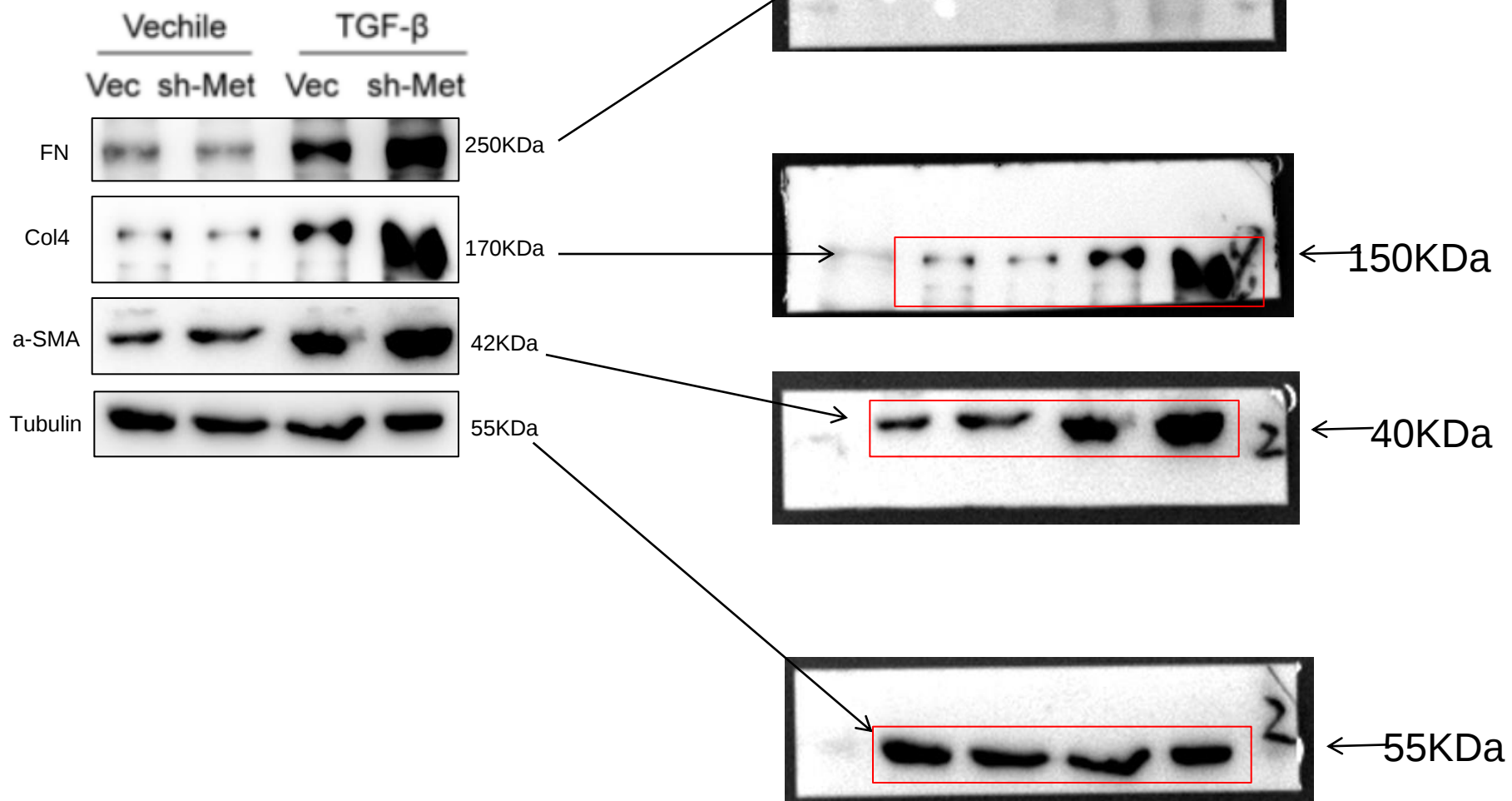
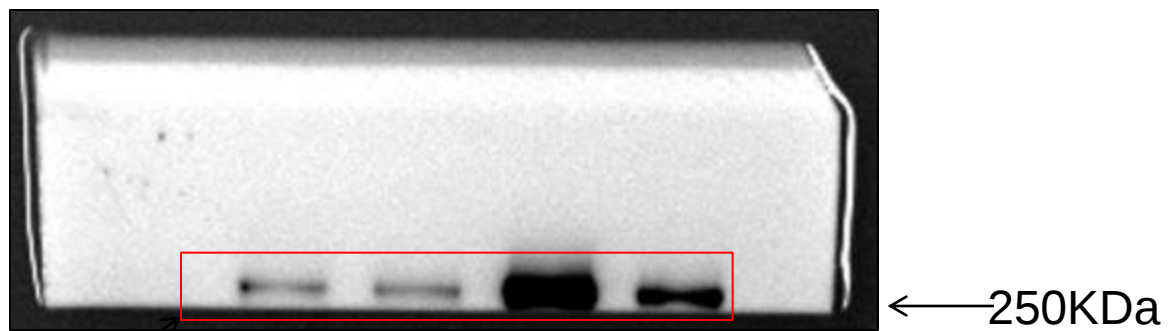
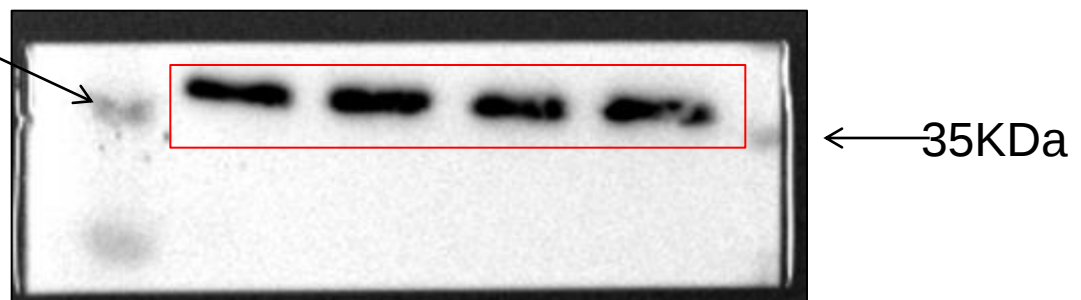
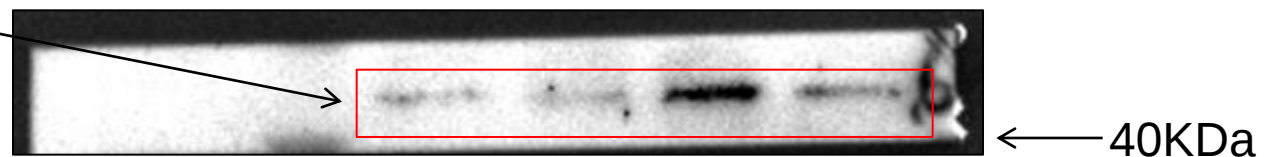
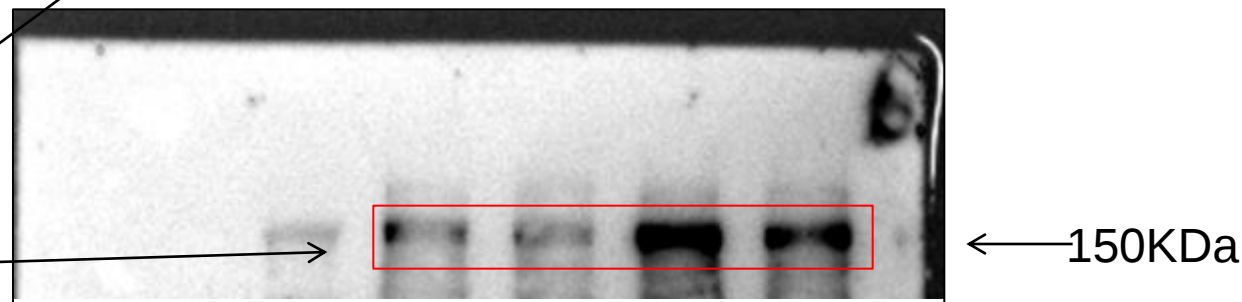
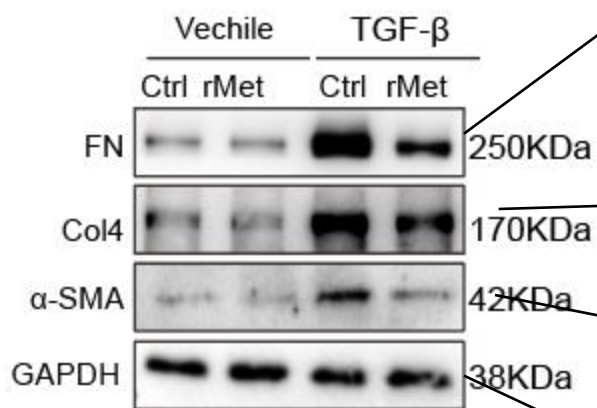


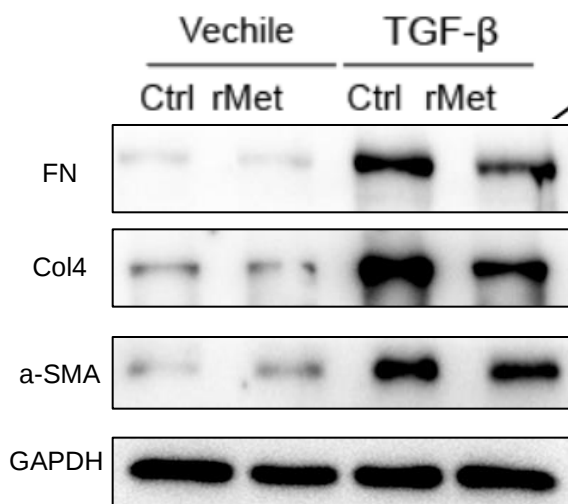
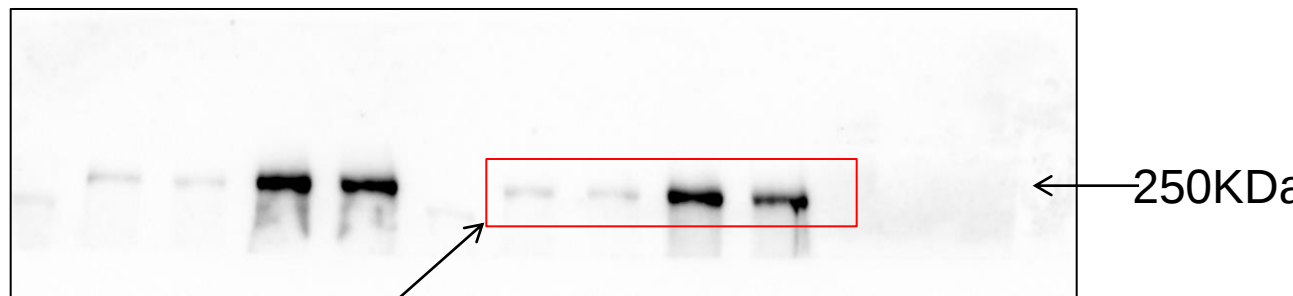
Fig.4



C



Repeat

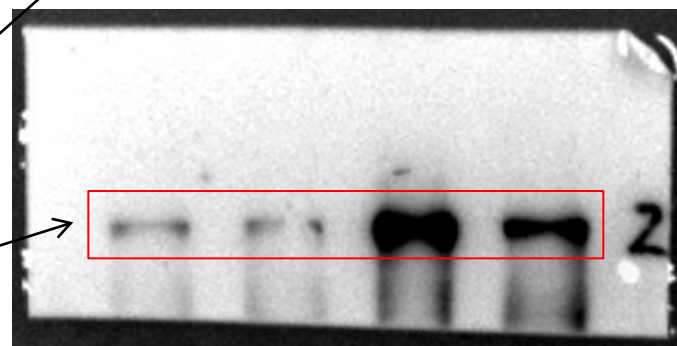


250KDa

170KDa

42KDa

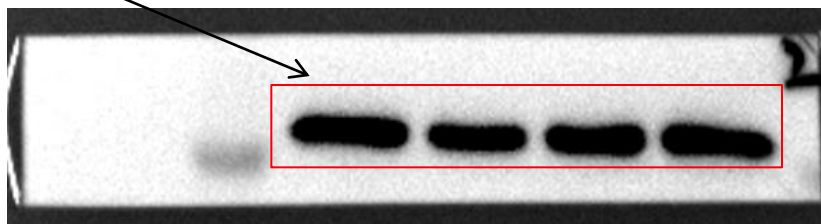
38KDa



150KDa



40KDa



35KDa

Repeat

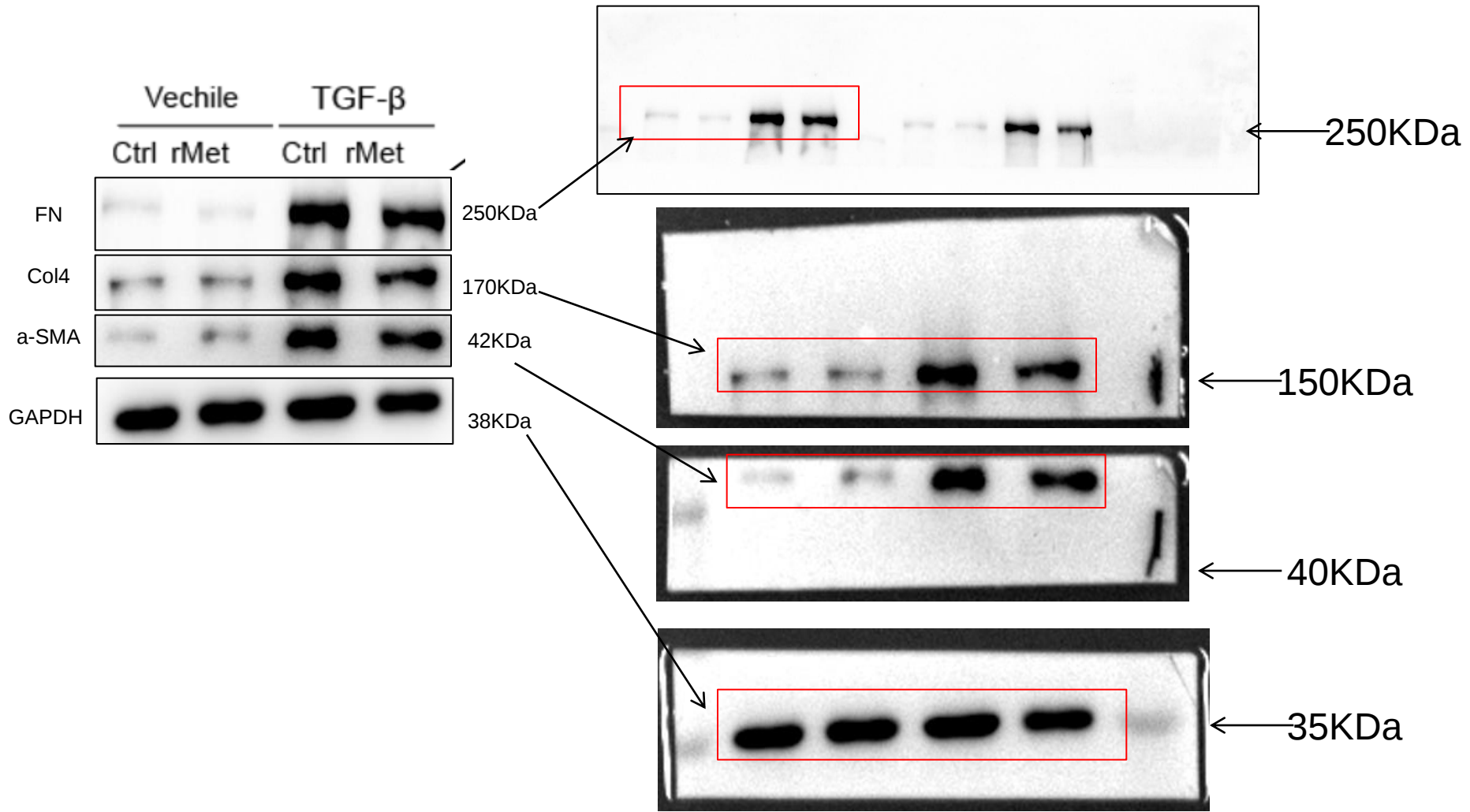
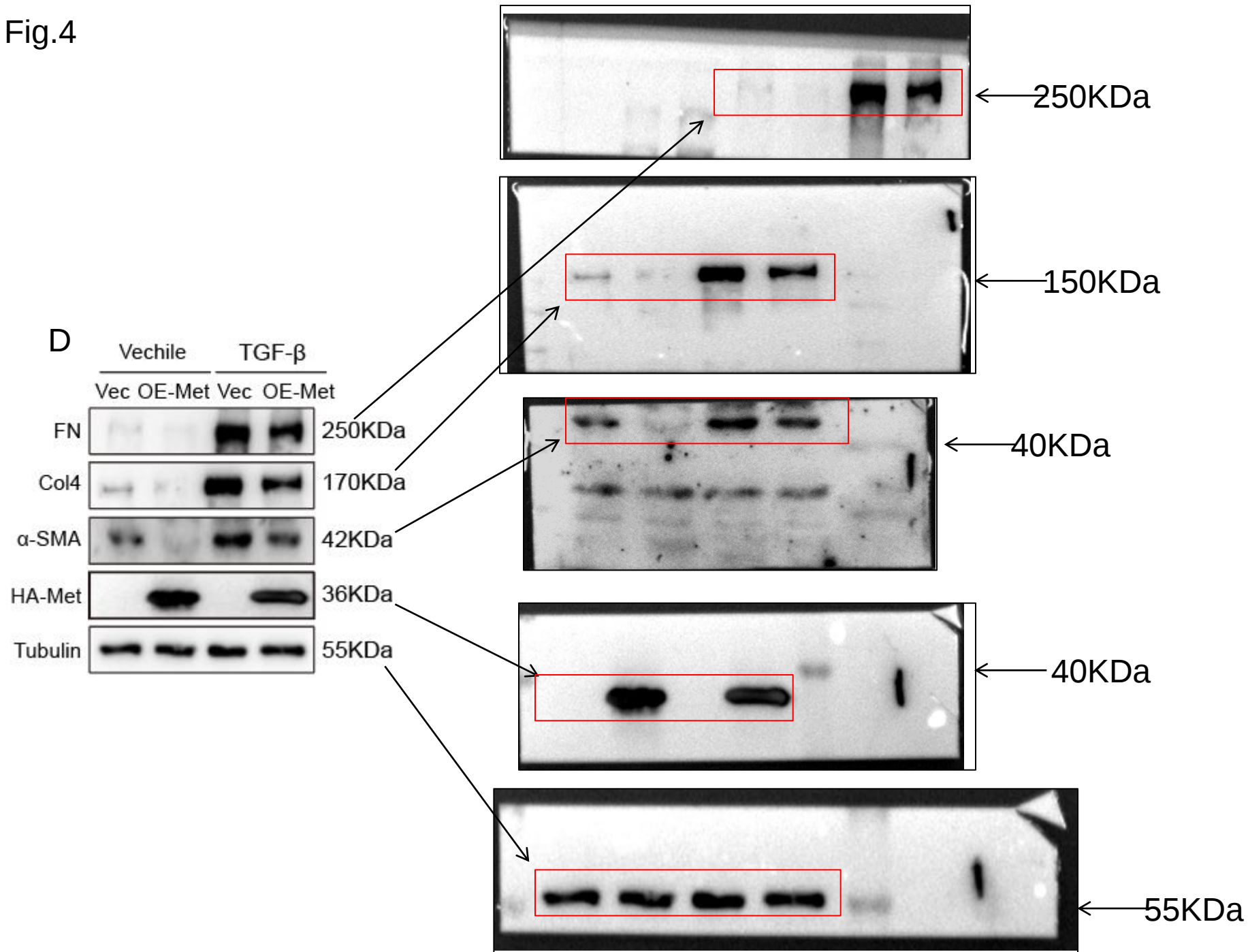
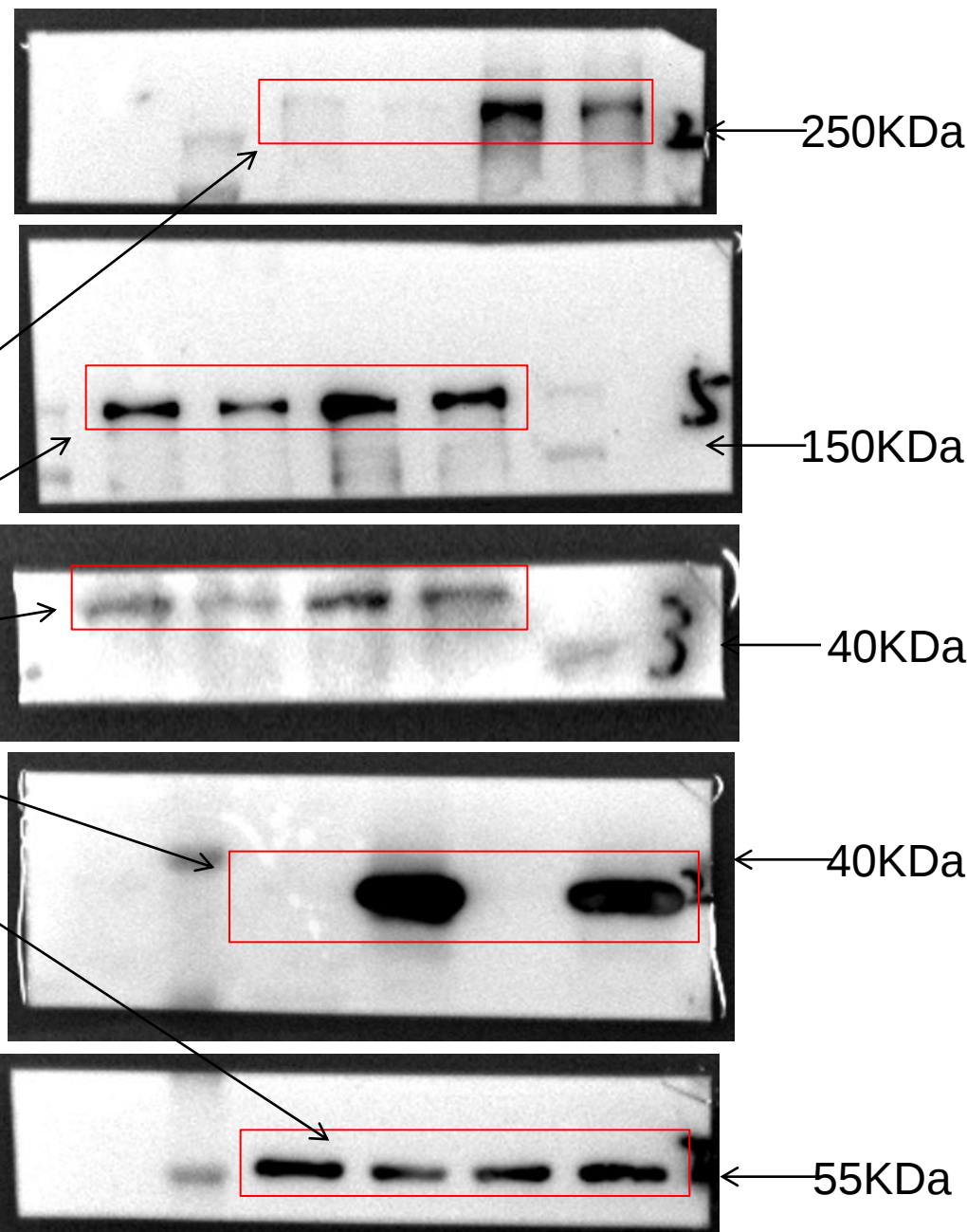
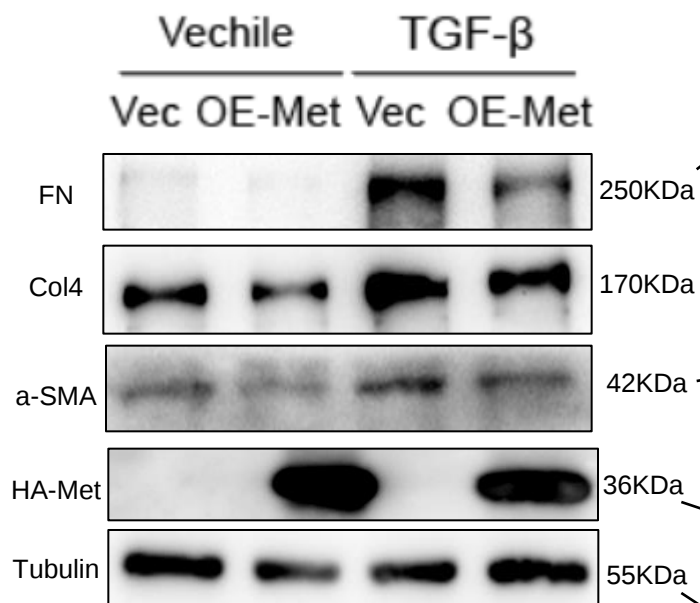


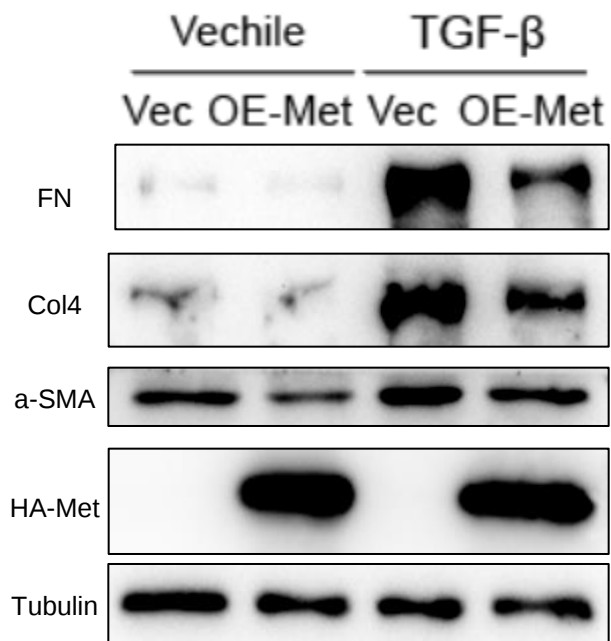
Fig.4



Repeat



Repeat



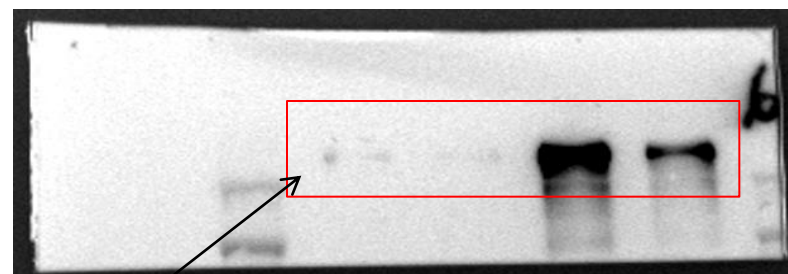
250KDa

170KDa

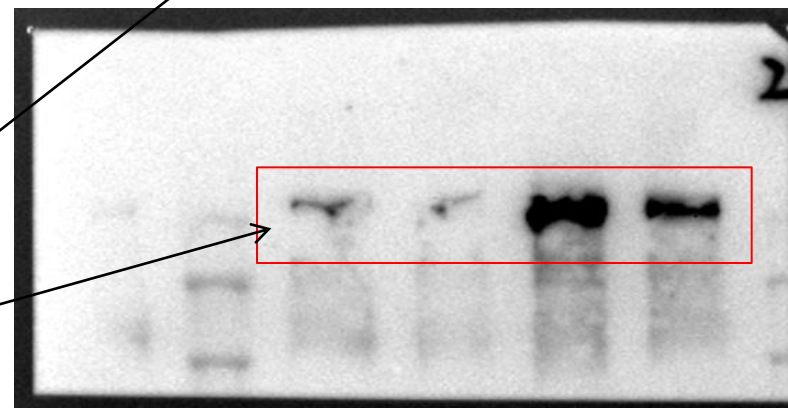
42KDa

36KDa

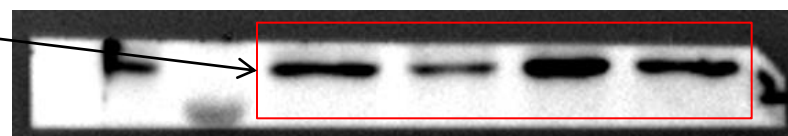
55KDa



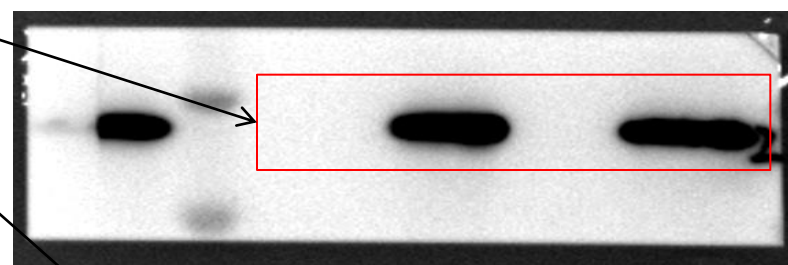
← 250KDa



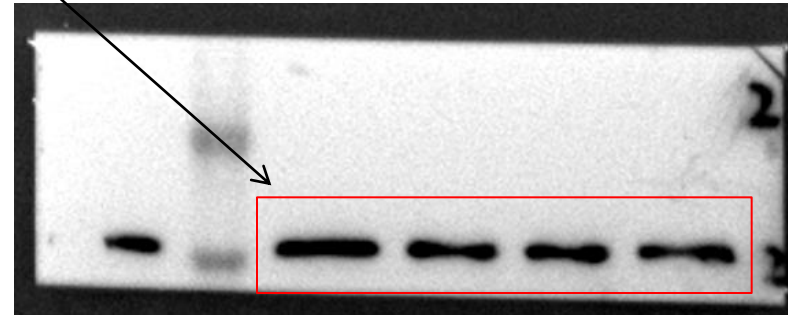
← 150KDa



← 40KDa



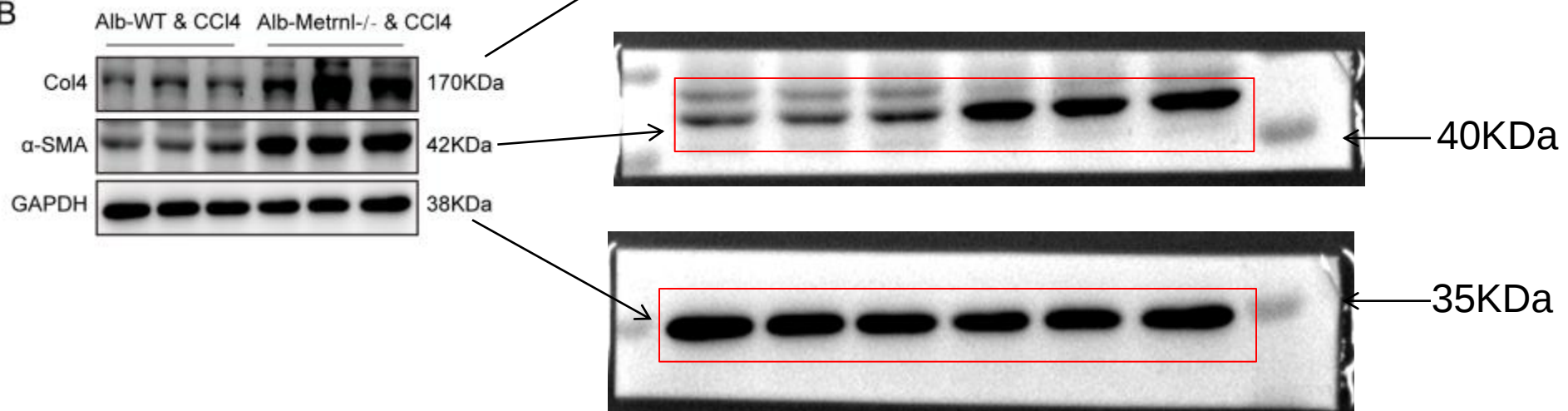
← 40KDa



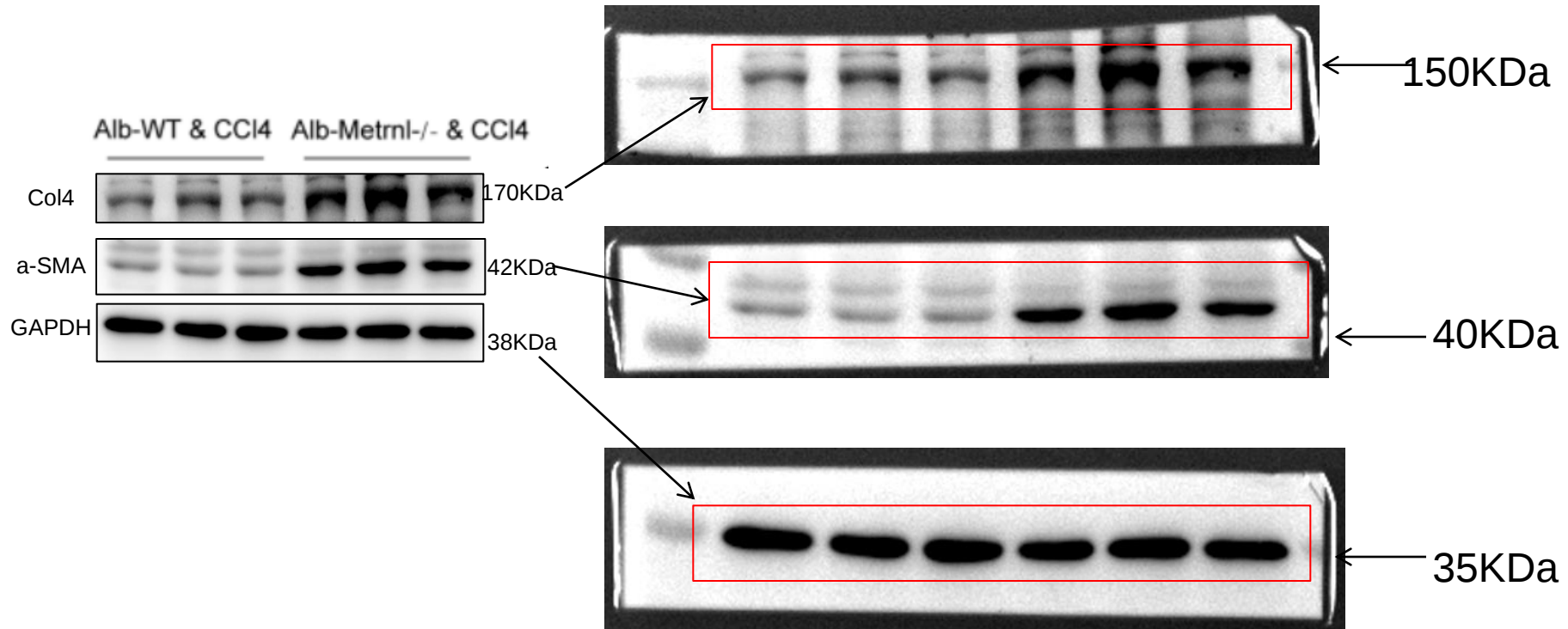
← 55KDa

Fig.5

B



Repeat



Repeat

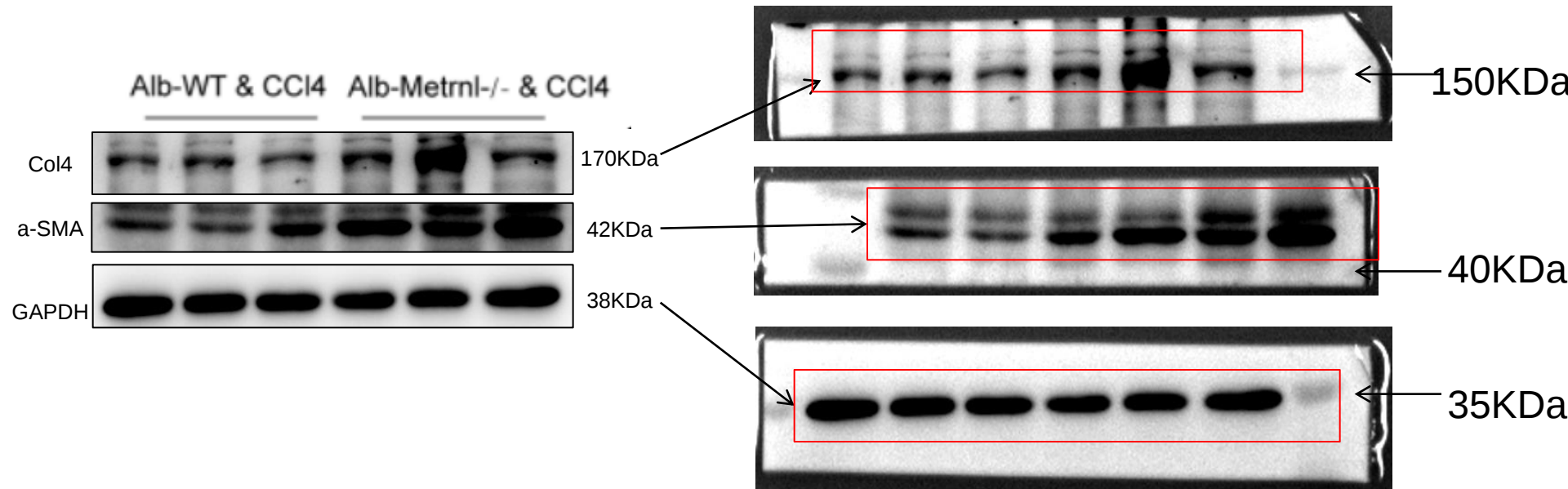
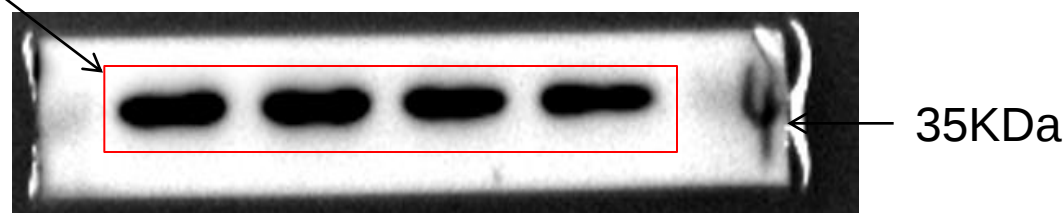
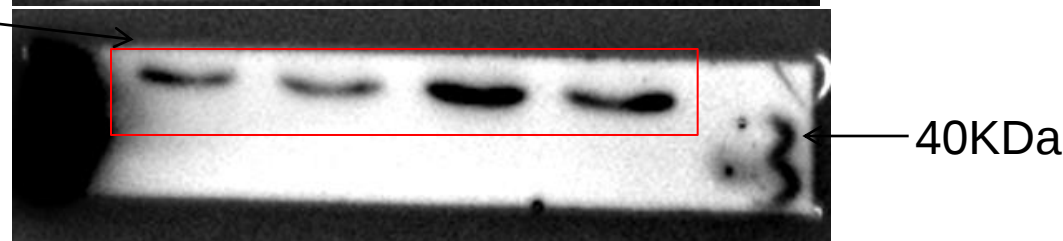
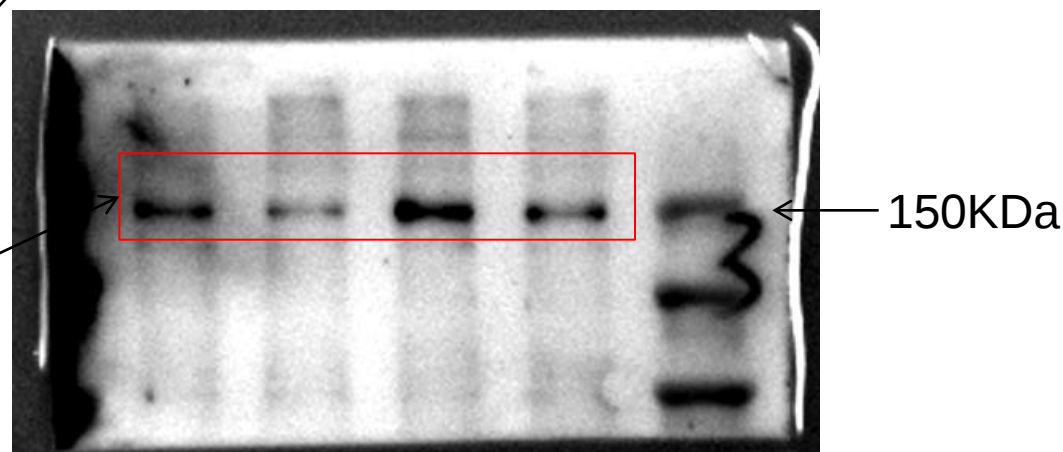
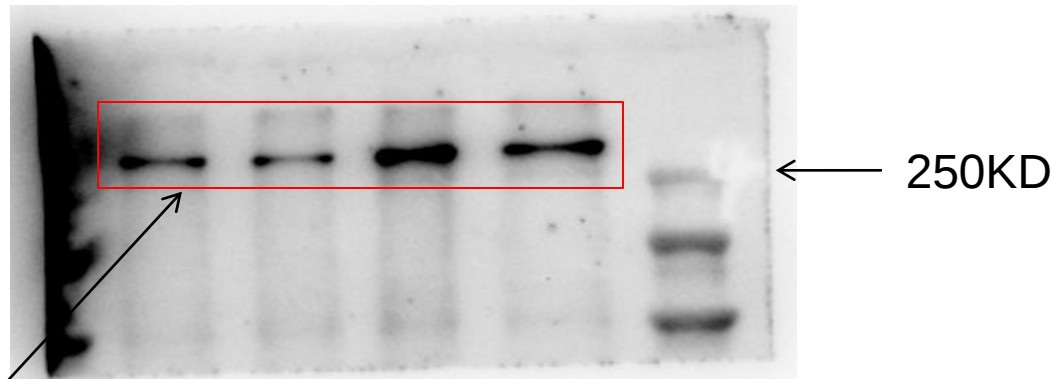
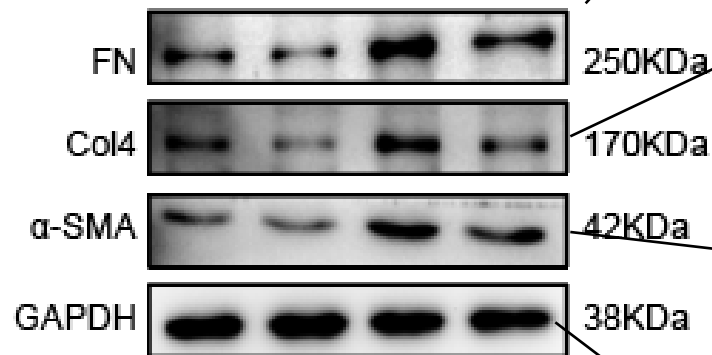


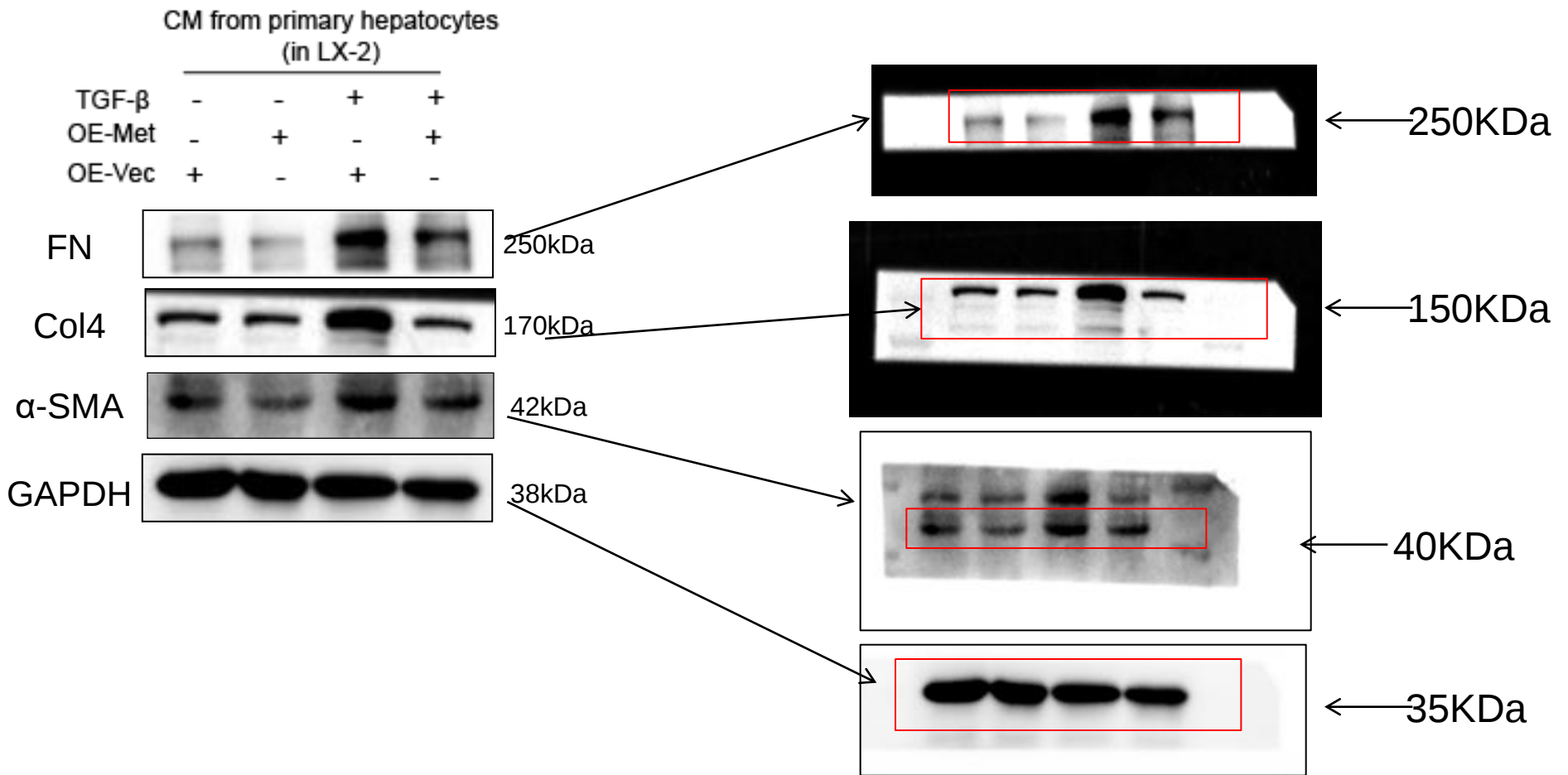
Fig.5

E CM from primary hepatocytes
(in LX-2)

TGF- β	-	-	+	+
OE-Met	-	+	-	+
OE-Vec	+	-	+	-



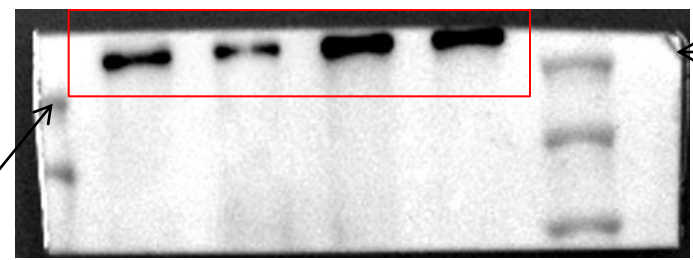
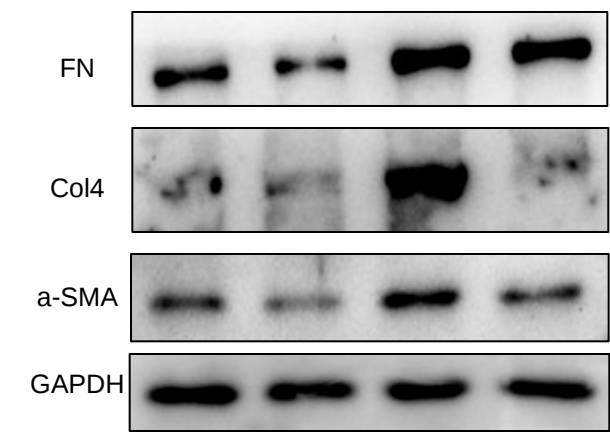
Repeat



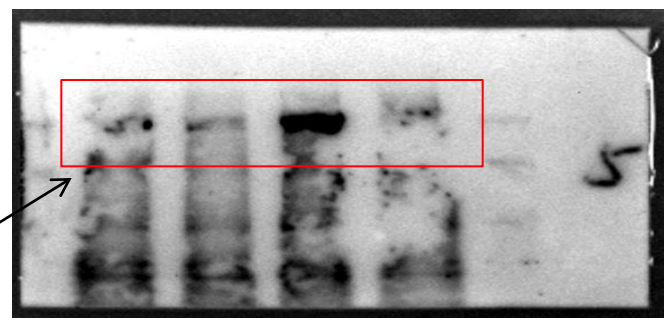
Repeat

CM from primary hepatocytes
(in LX-2)

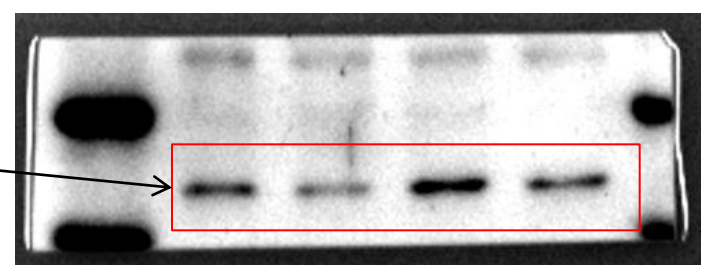
TGF-β	-	-	+	+
OE-Met	-	+	-	+
OE-Vec	+	-	+	-



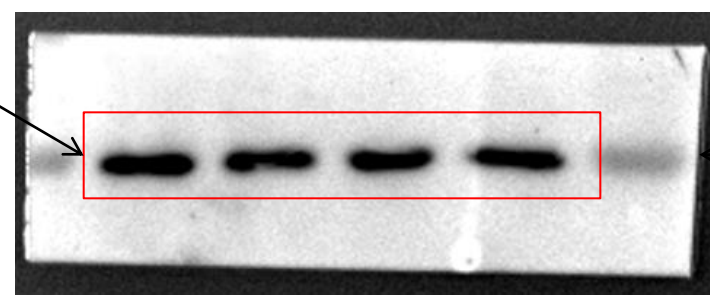
250KDa



150KDa



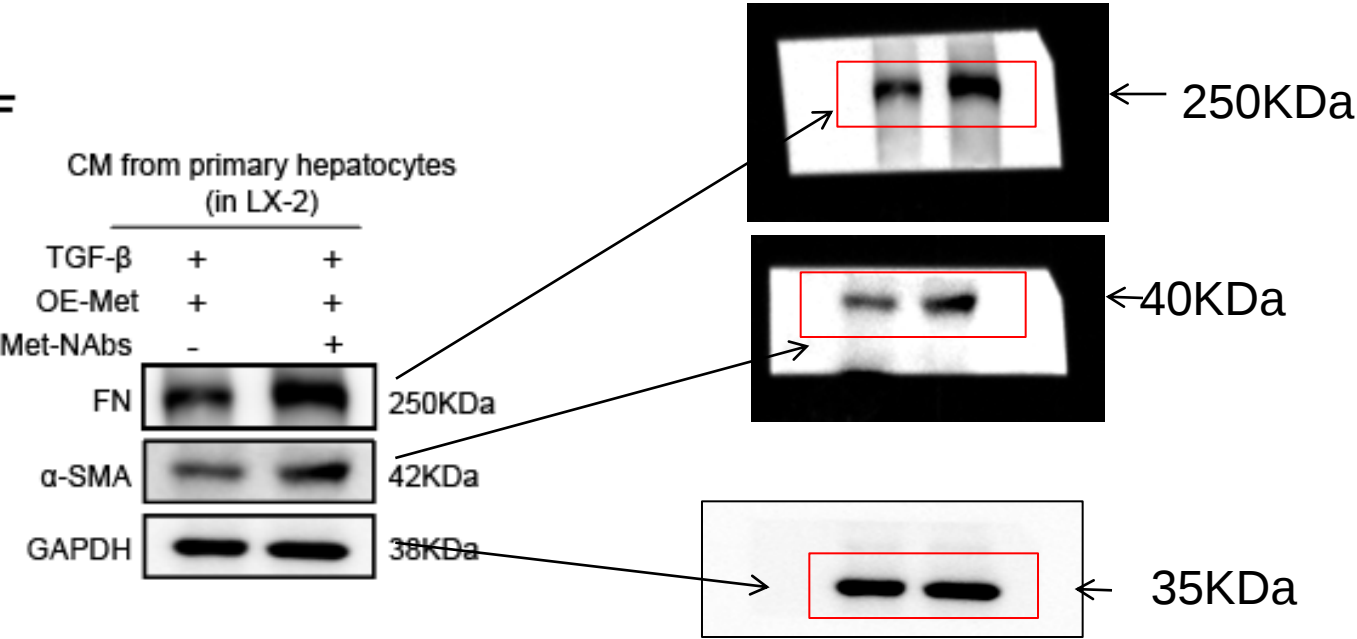
40KDa



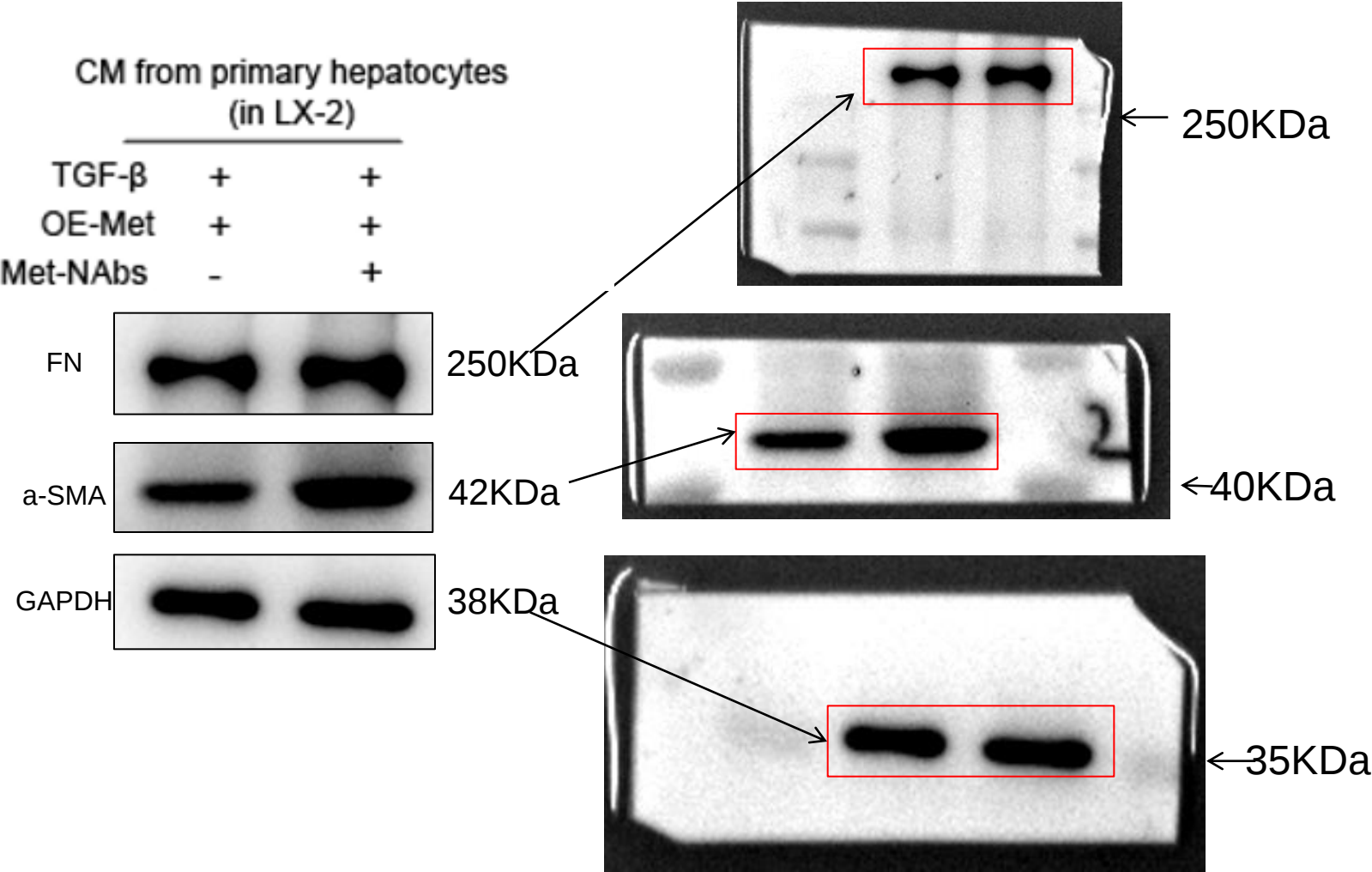
35KDa

Fig.5

F



Repeat



Repeat

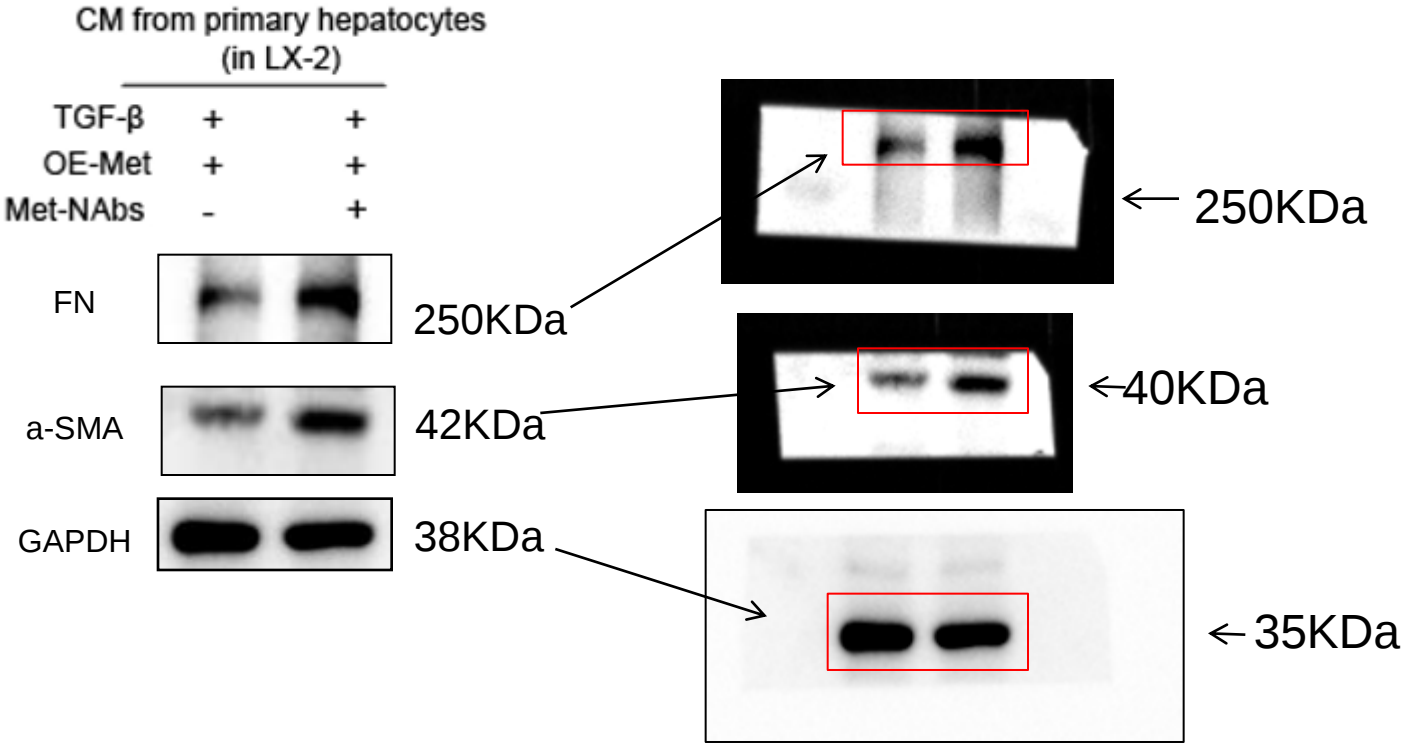
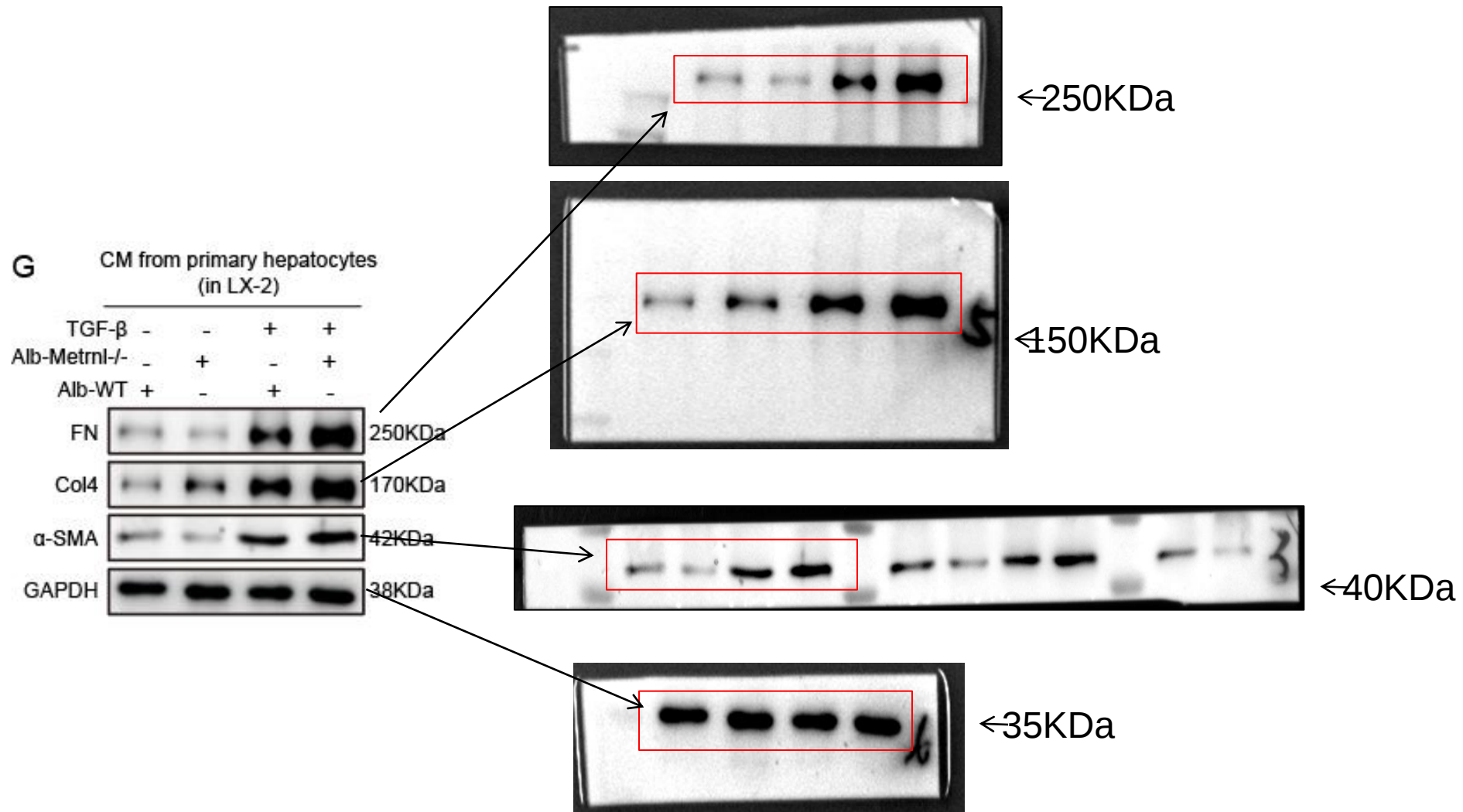


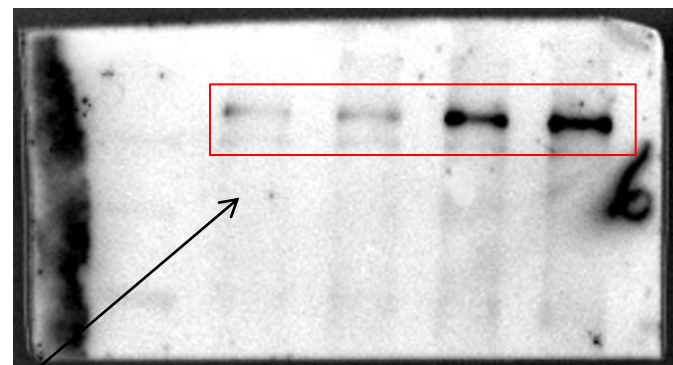
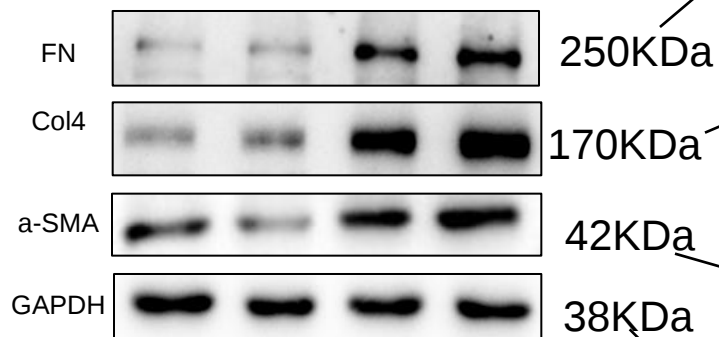
Fig.5



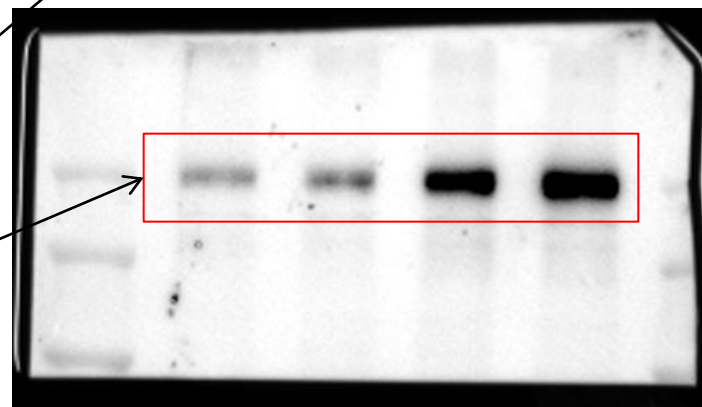
Repeat

CM from primary hepatocytes
(in LX-2)

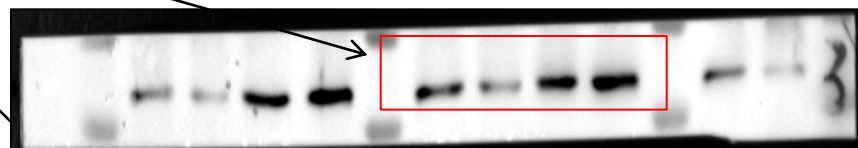
TGF- β	-	-	+	+
Alb-Metrl ^{-/-}	-	+	-	+
Alb-WT	+	-	+	-



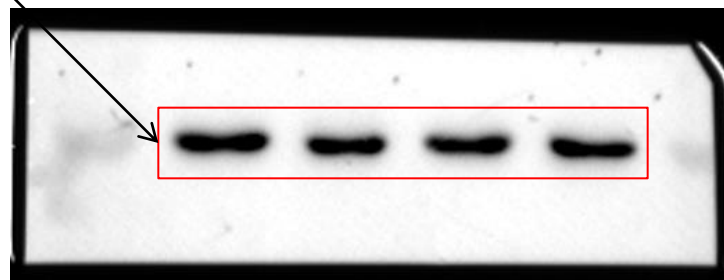
←250KDa



←150KDa



←40KDa

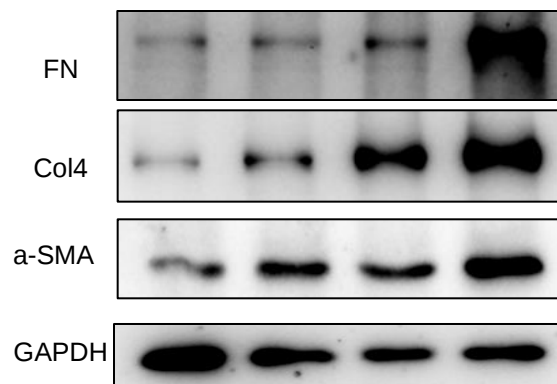


←35KDa

Repeat

CM from primary hepatocytes
(in LX-2)

TGF- β	-	-	+	+
Alb-Metrl ^{-/-}	-	+	-	+
Alb-WT	+	-	+	-

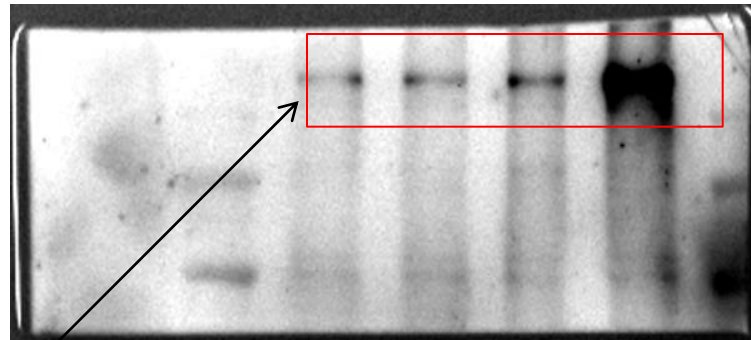


250KDa

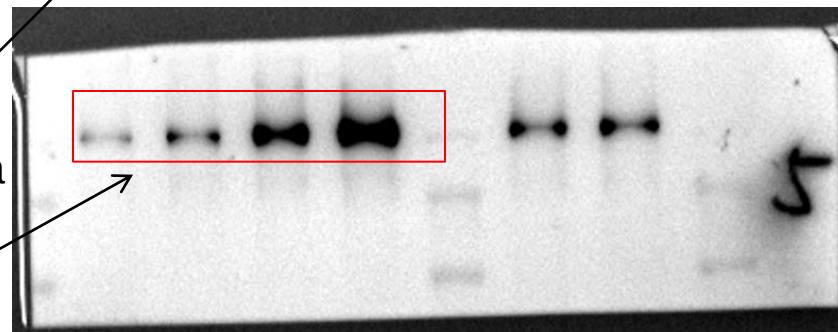
170KDa

42KDa

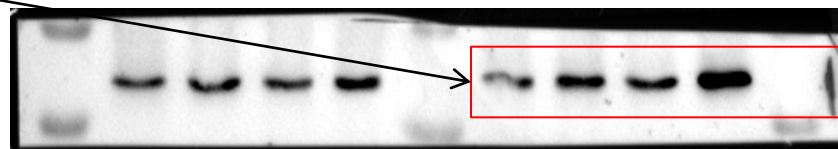
38KDa



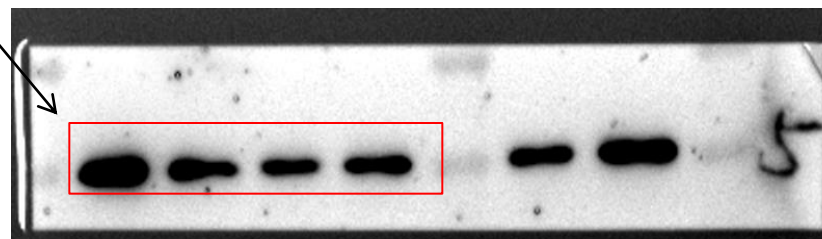
←250KDa



←150KDa



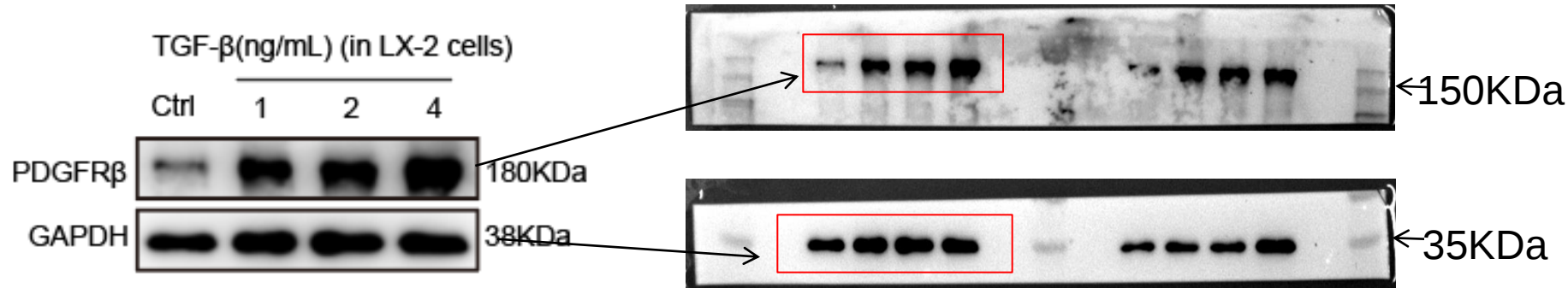
←40KDa



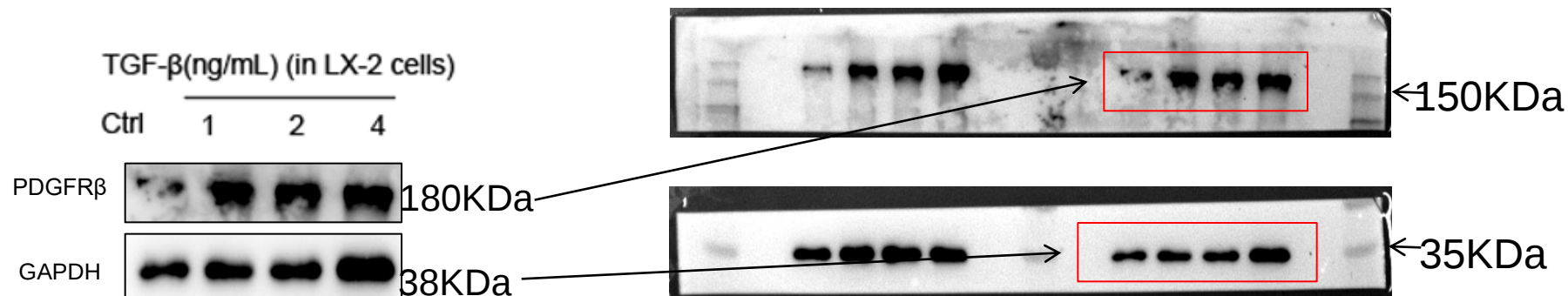
←35KDa

Fig.6

A



Repeat



Repeat

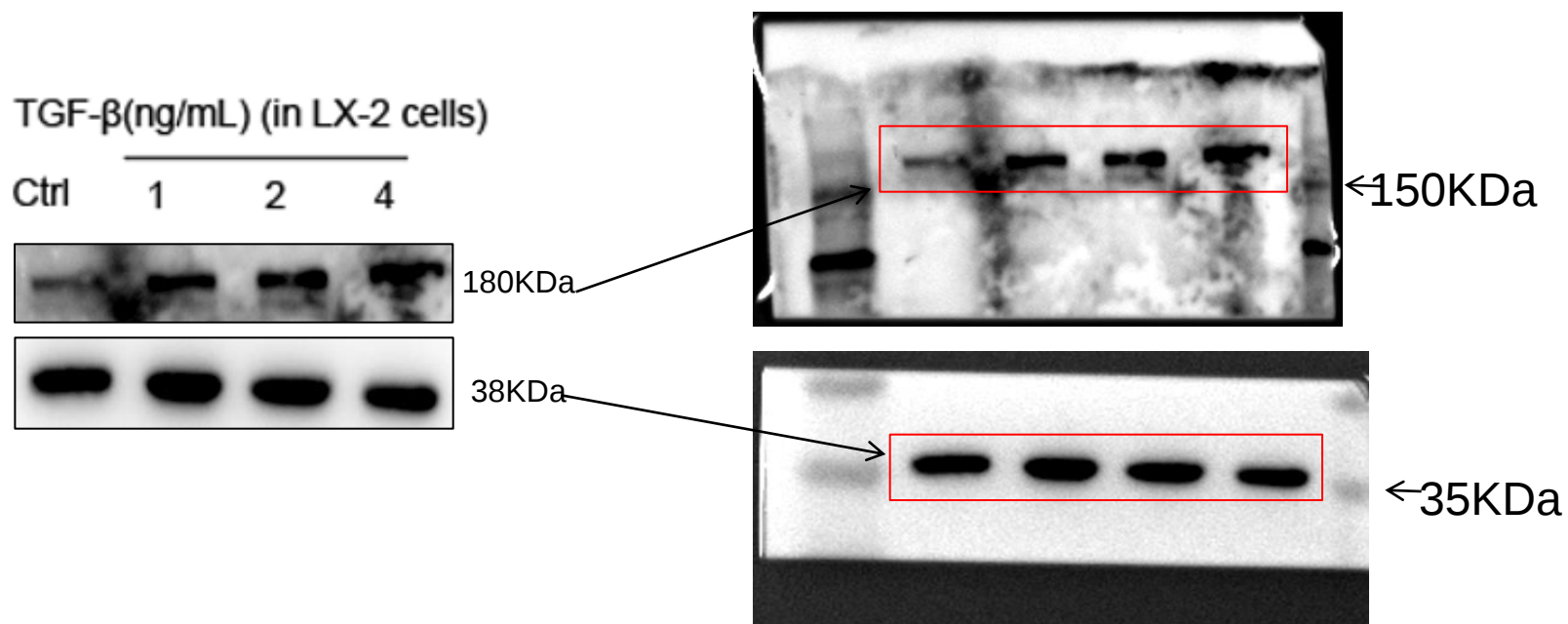
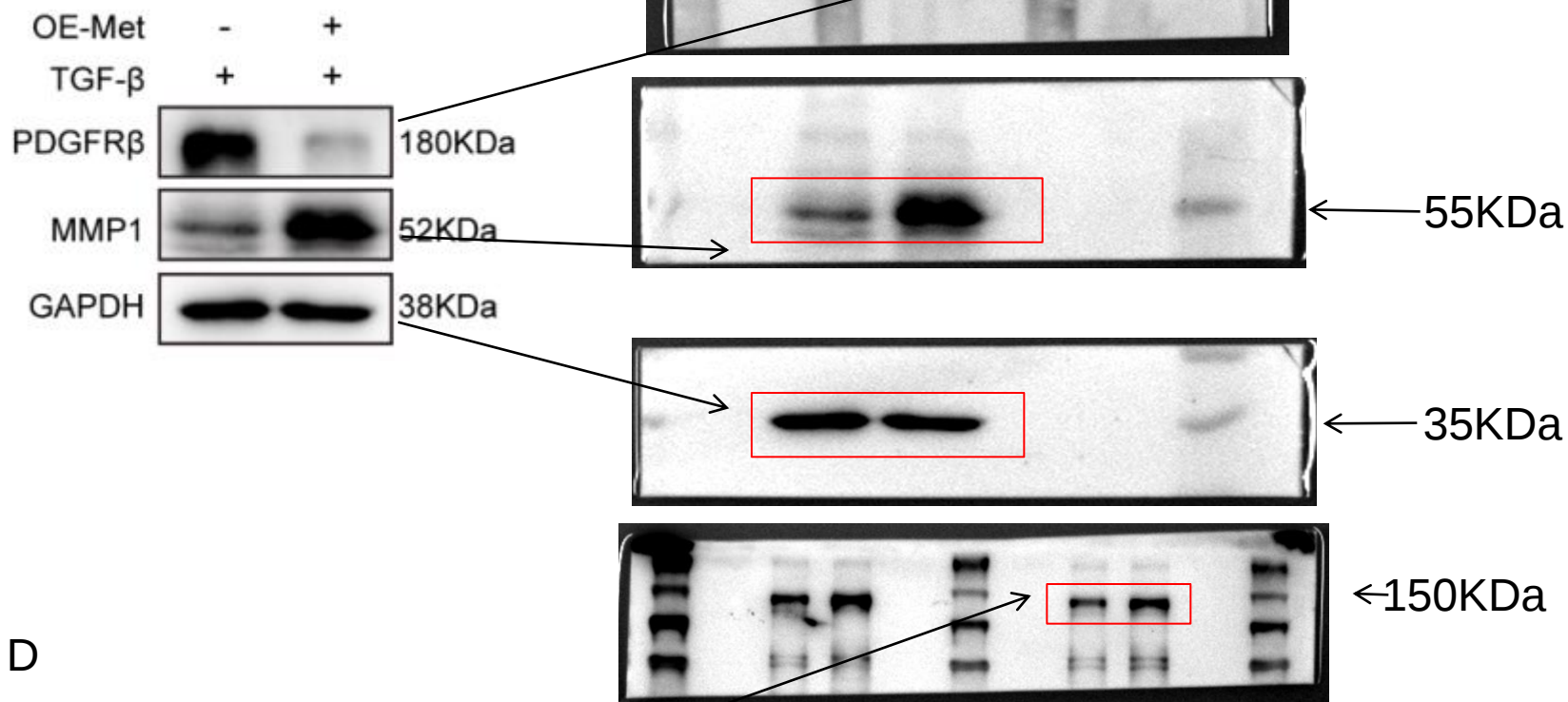
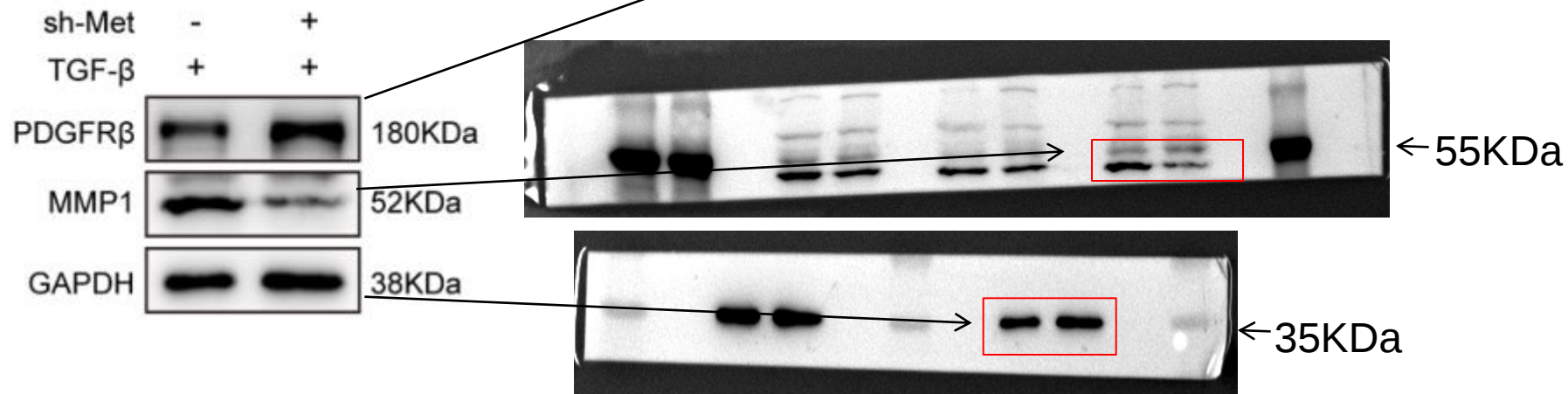


Fig.6

C



D



Repeat

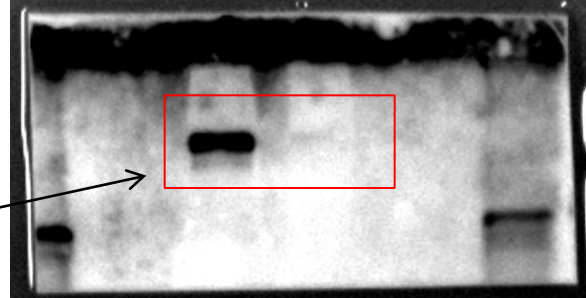
OE-Met	-	+
TGF- β	+	+



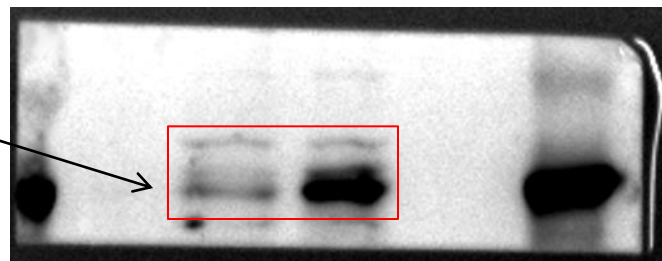
180KDa

52KDa

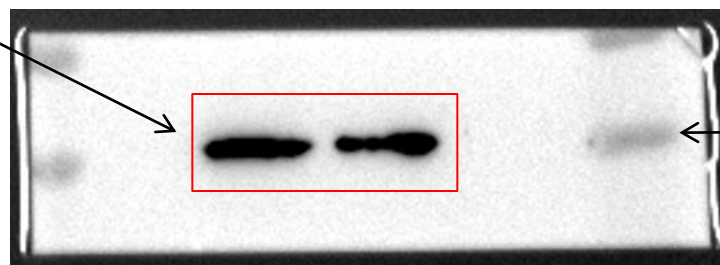
38KDa



← 150KDa



← 55KDa



← 35KDa

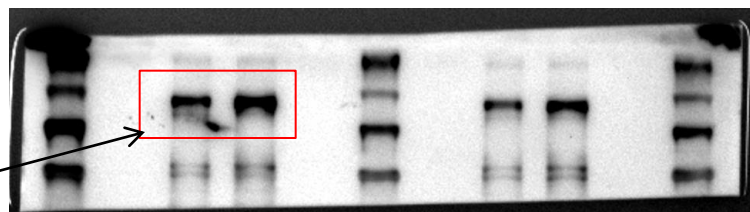
sh-Met	-	+
TGF- β	+	+



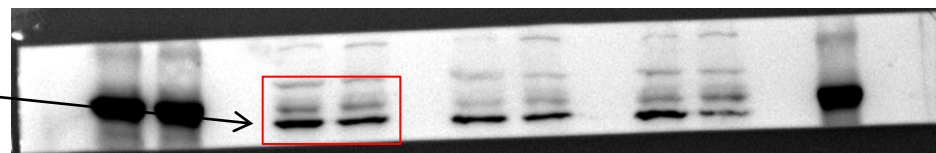
180KDa

52KDa

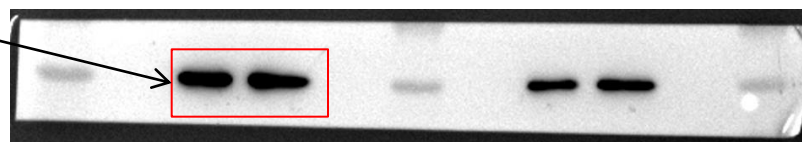
38KDa



← 150KDa



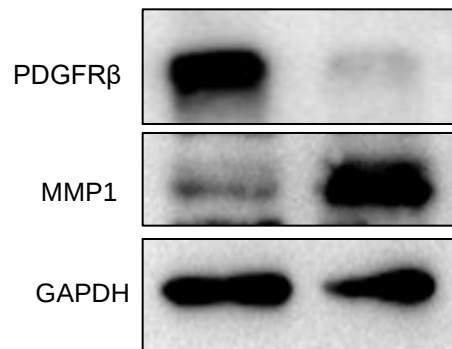
← 55KDa



← 35KDa

Repeat

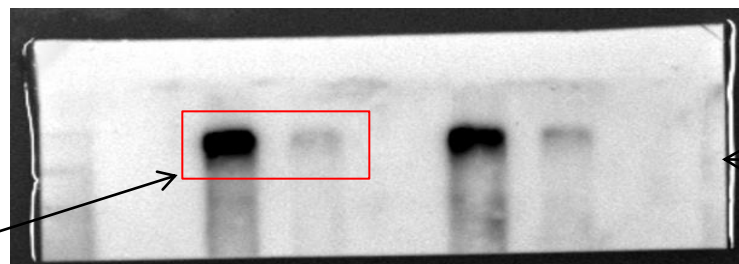
OE-Met - +
TGF- β + +



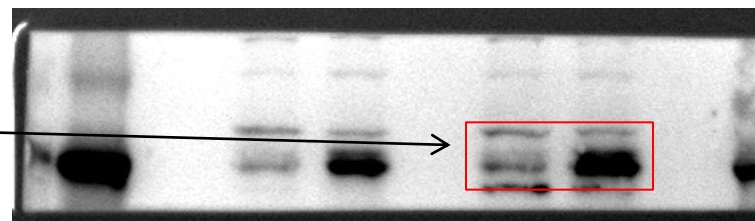
180KDa

52KDa

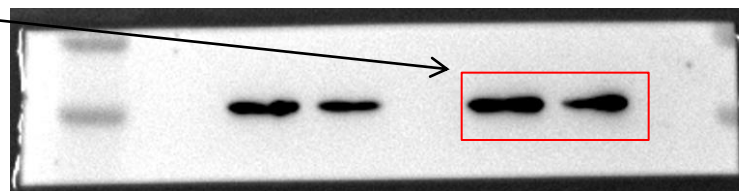
38KDa



150KDa

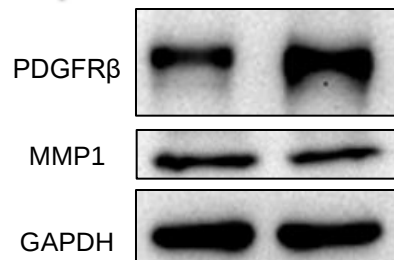


55KDa



35KDa

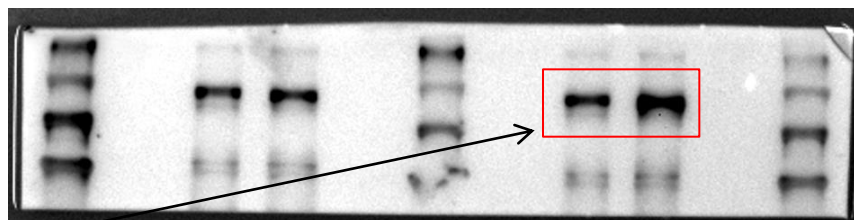
sh-Met - +
TGF- β + +



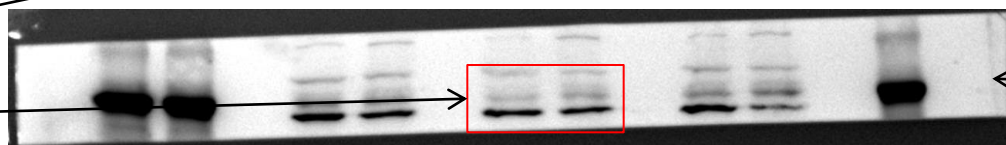
180KDa

52KDa

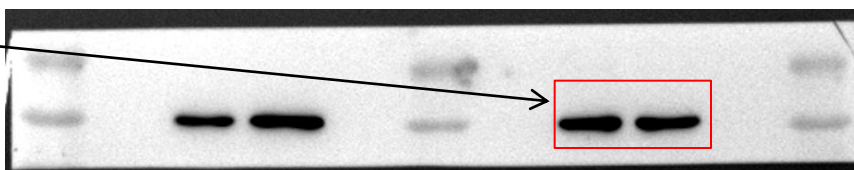
38KDa



150KDa

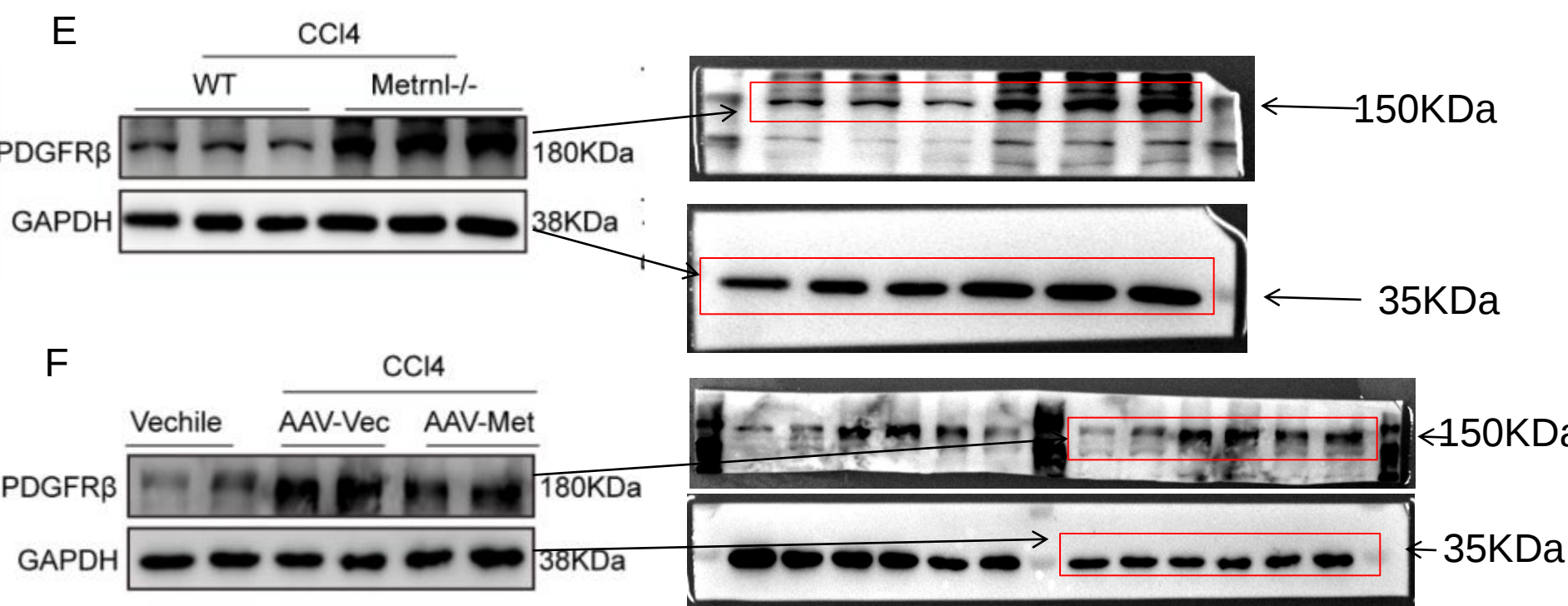


55KDa

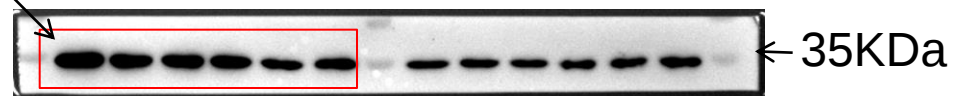
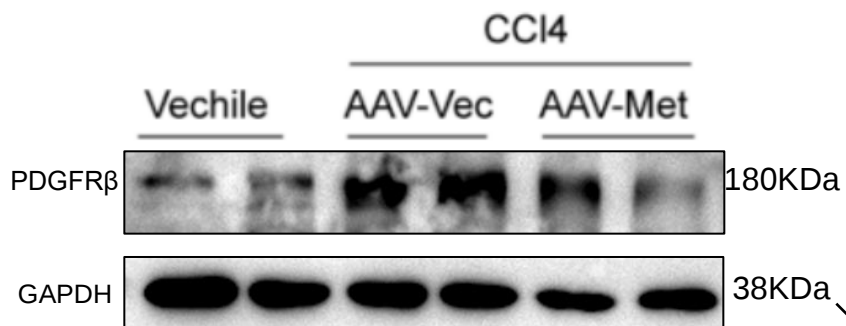
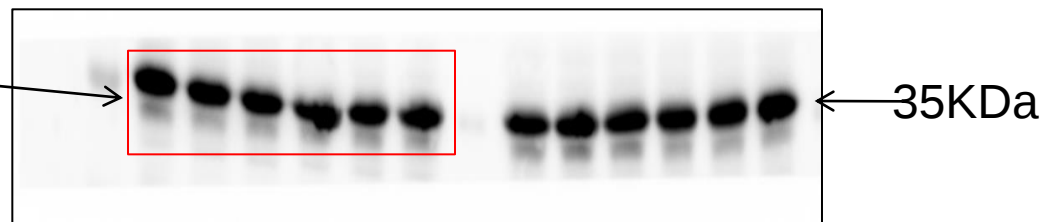
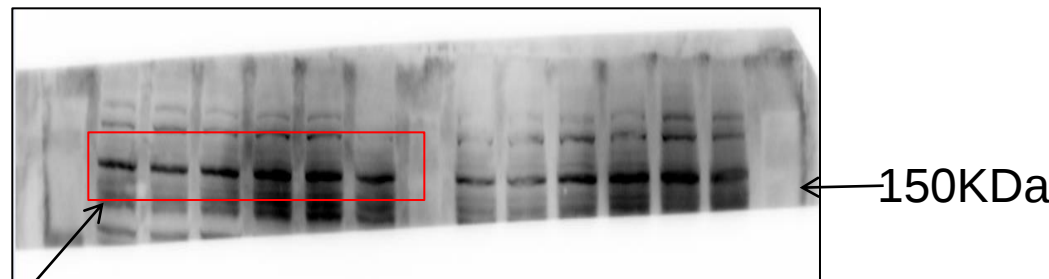
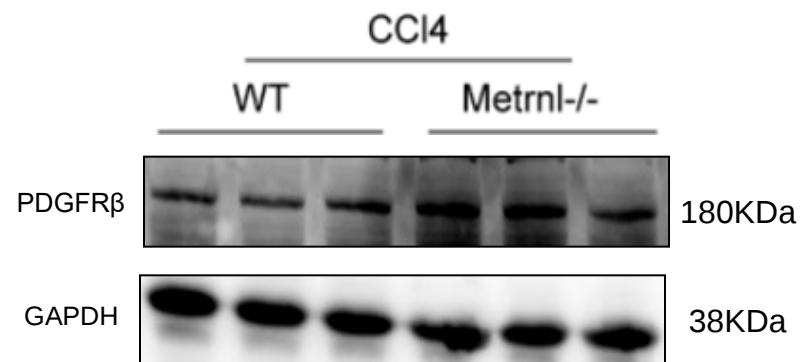


35KDa

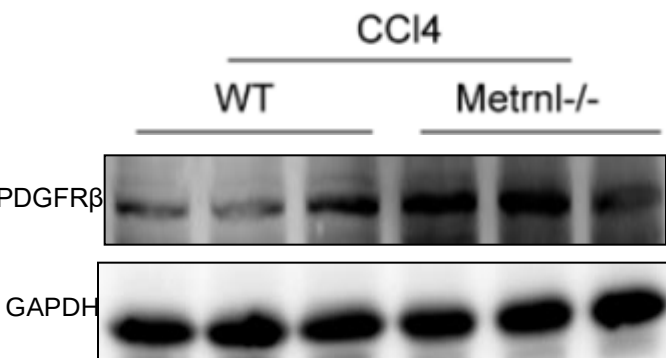
Fig.6



Repeat

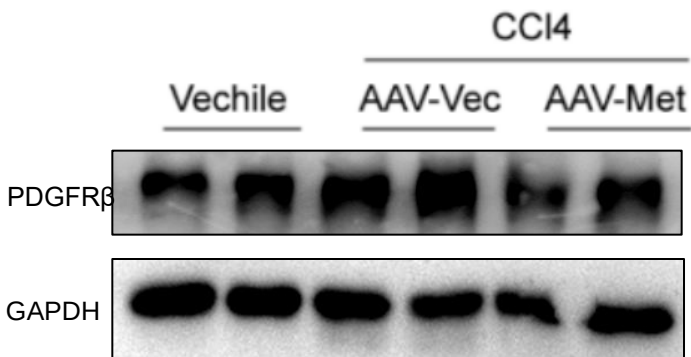
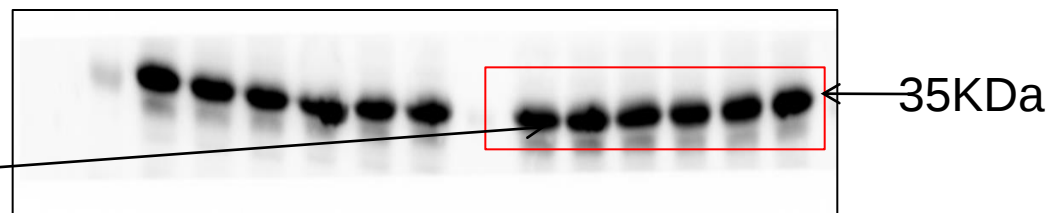
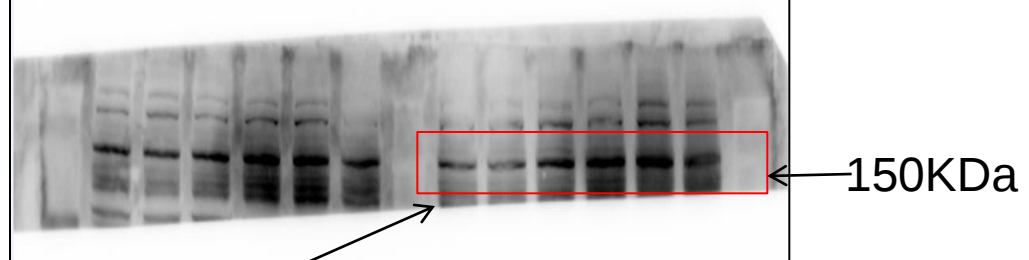


Repeat



180KDa

38KDa



180KDa

38KDa

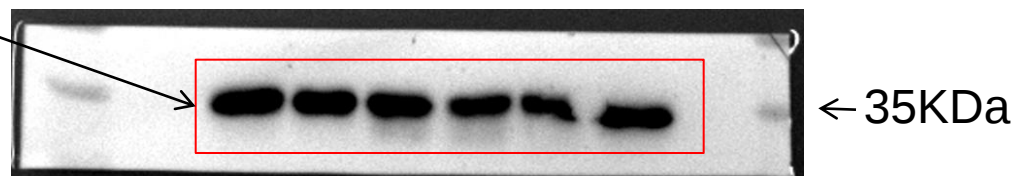
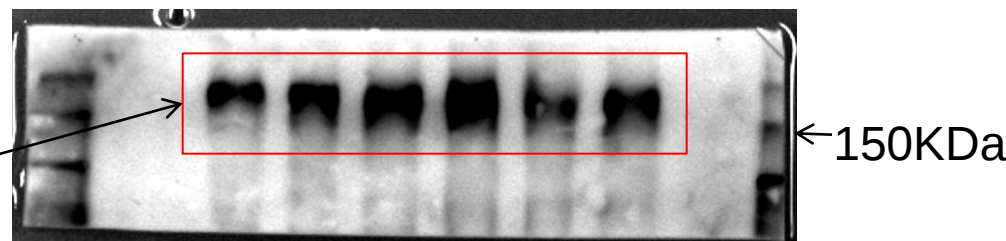
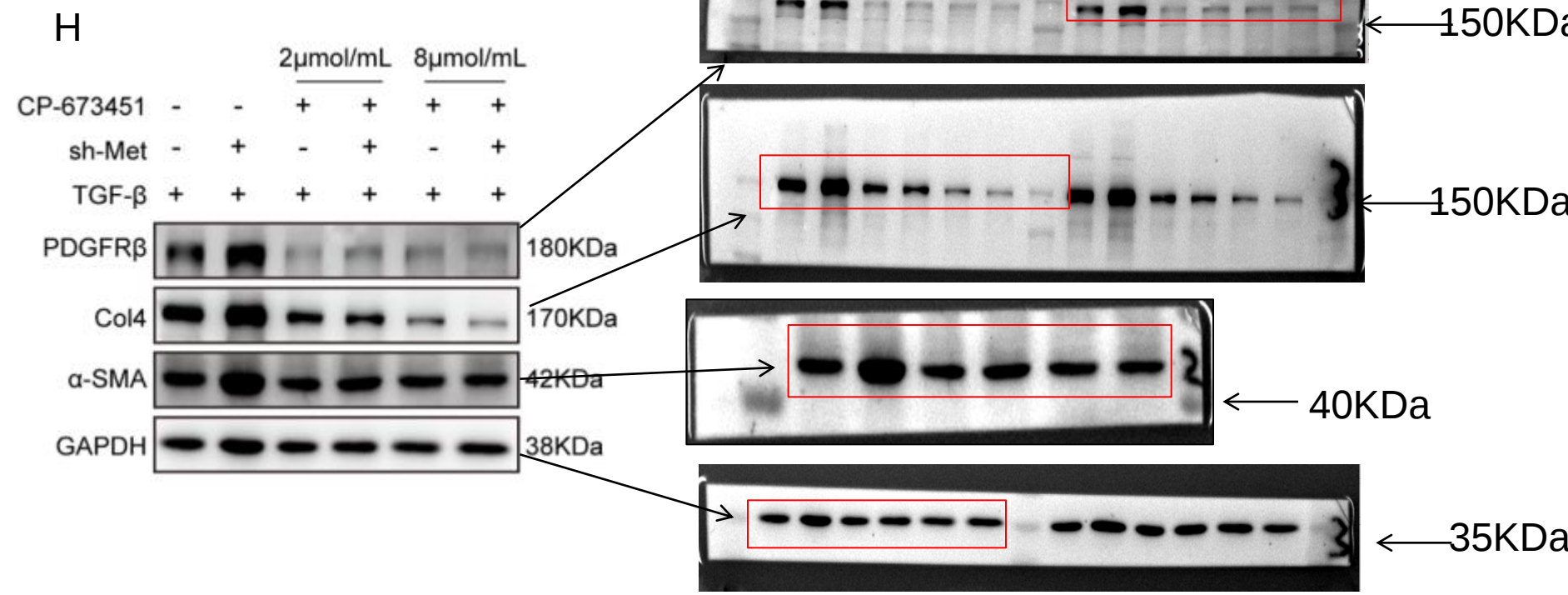


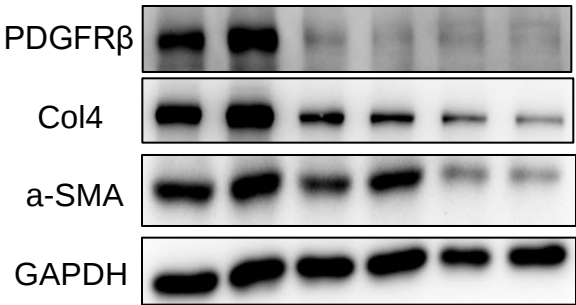
Fig.6



Repeat

...

			2μmol/mL		8μmol/mL	
CP-673451	-	-	+	+	+	+
sh-Met	-	+	-	+	-	+
TGF-β	+	+	+	+	+	+

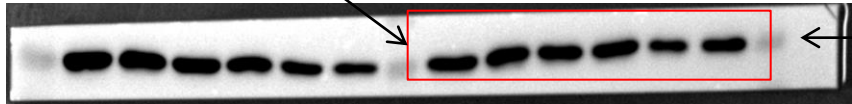
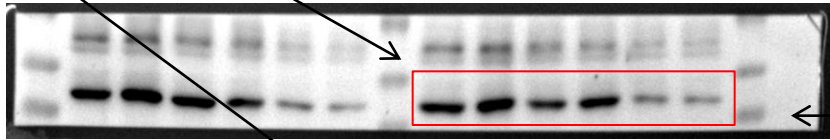
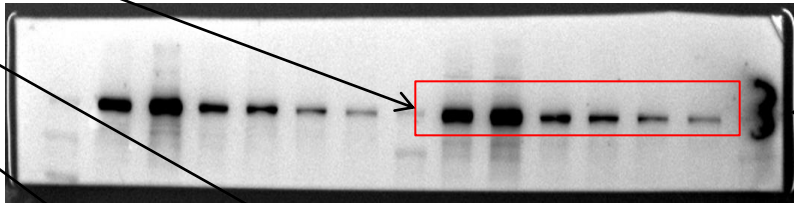
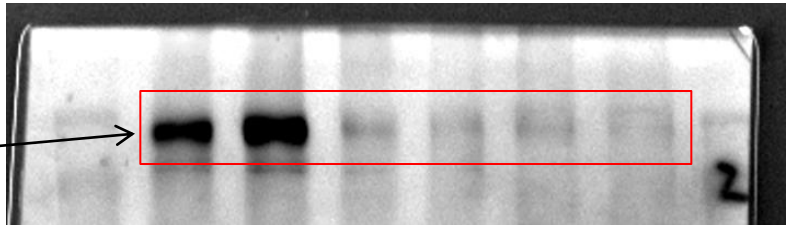


180KDa

170KDa

42KDa

38KDa



150KDa

150KDa

40KDa

35KDa

Repeat

			2μmol/mL		8μmol/mL	
CP-673451	-	-	+	+	+	+
sh-Met	-	+	-	+	-	+
TGF-β	+	+	+	+	+	+

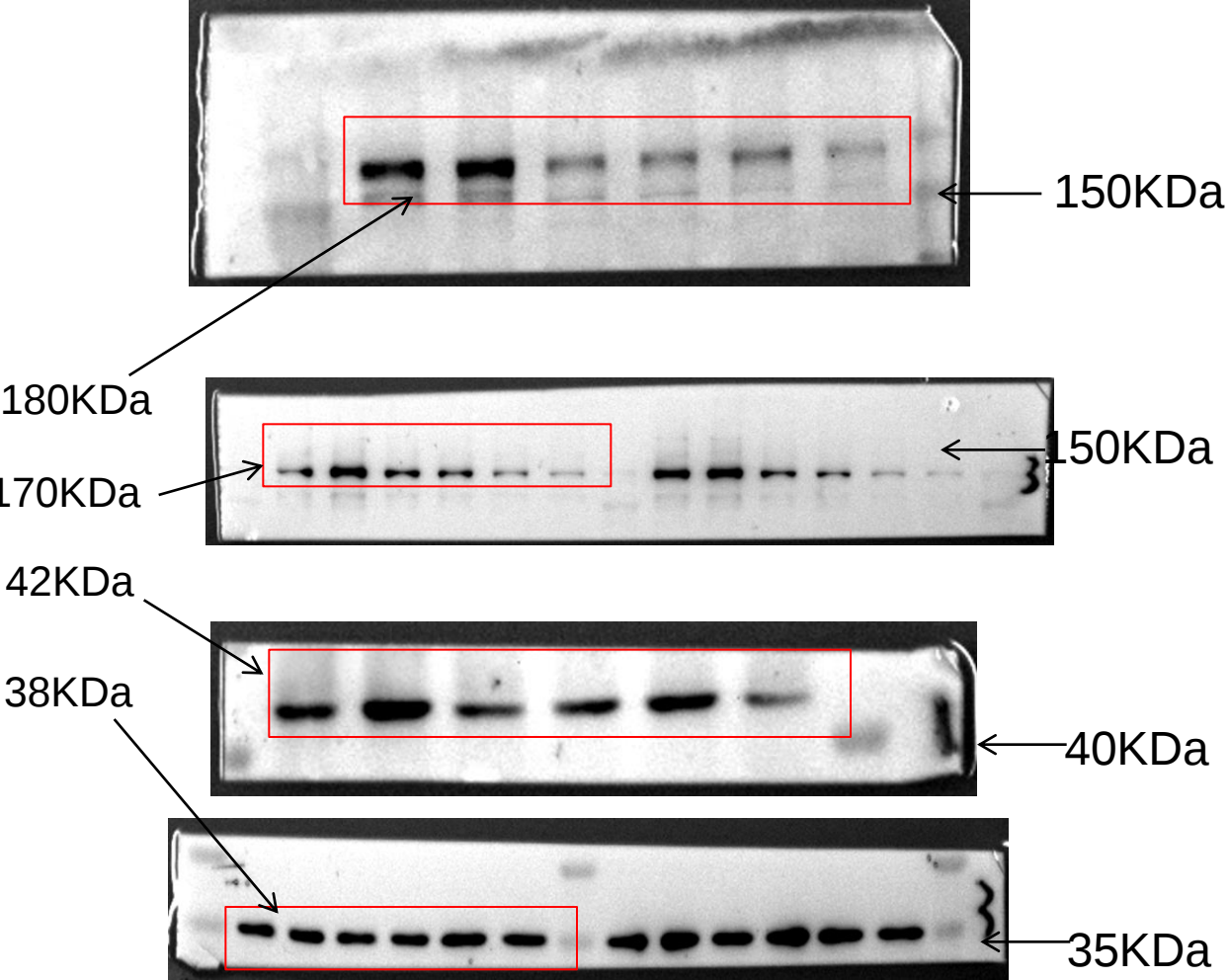
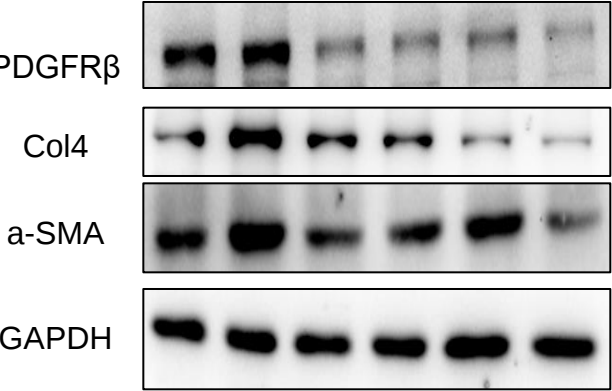
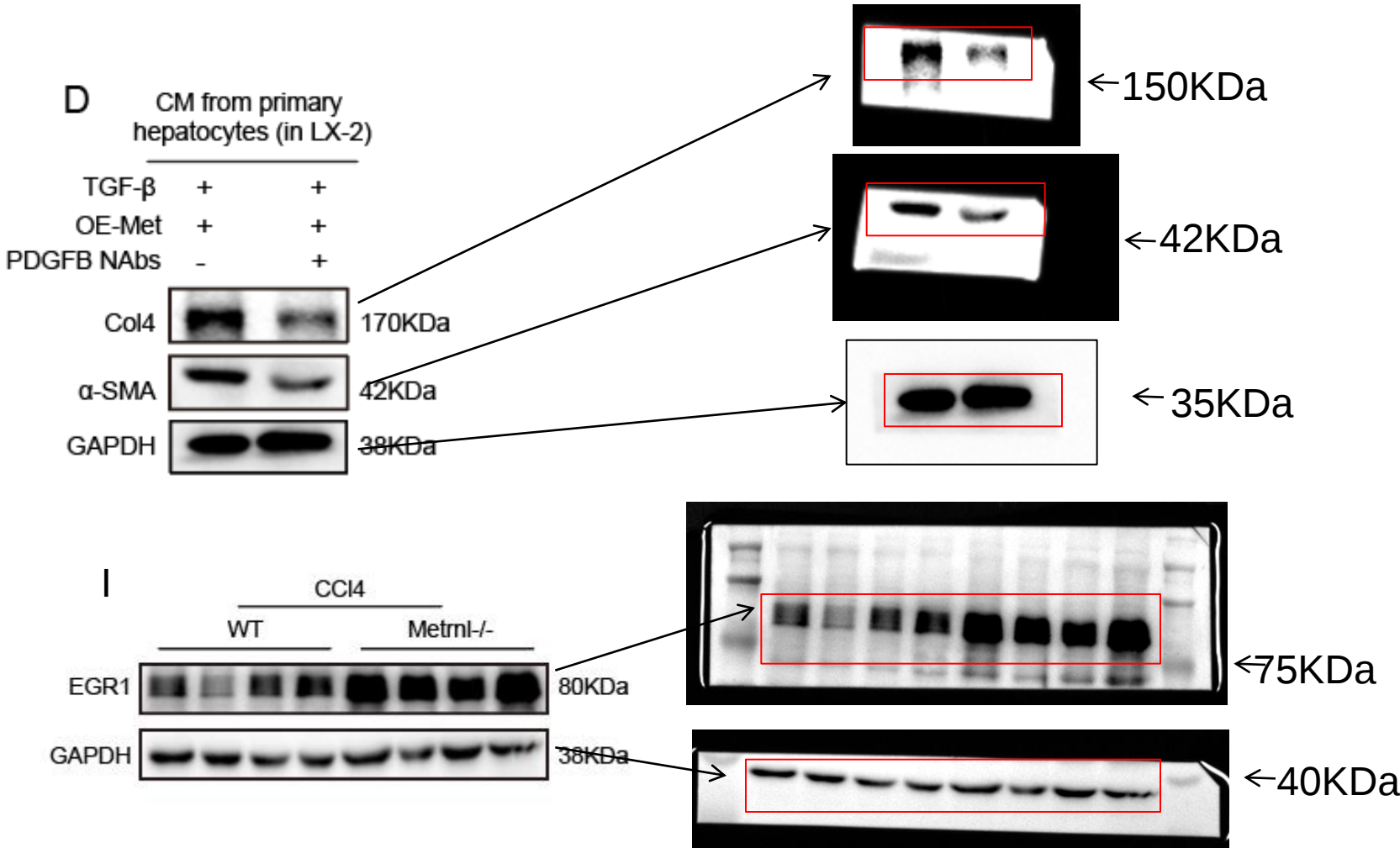
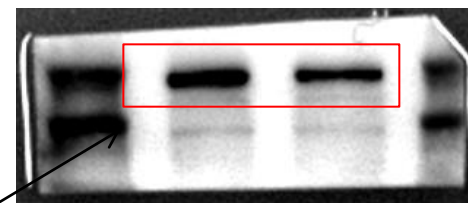


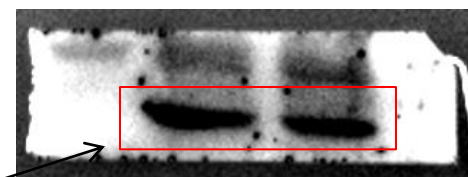
Fig.7



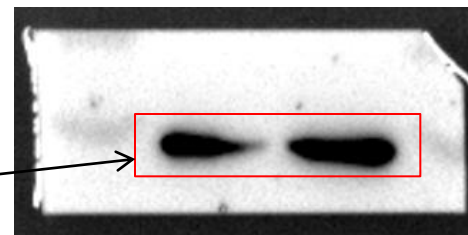
Repeat



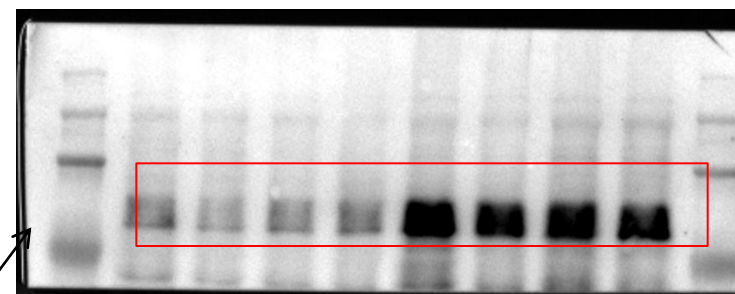
←150KDa



←55KDa



← 35KDa



←75KDa



←40KDa

CM from primary
hepatocytes (in LX-2)

TGF- β	+	+
OE-Met	+	+
PDGFB NAbs	-	+

Col4 170KDa

a-SMA 42KDa

GAPDH 38kDa

CCl4

WT

Metrn1-/-

EGR1 80KDa

GAPDH 38kDa

Repeat

CM from primary
hepatocytes (in LX-2)

TGF-β	+	+
OE-Met	+	+
PDGFB NAbs	-	+

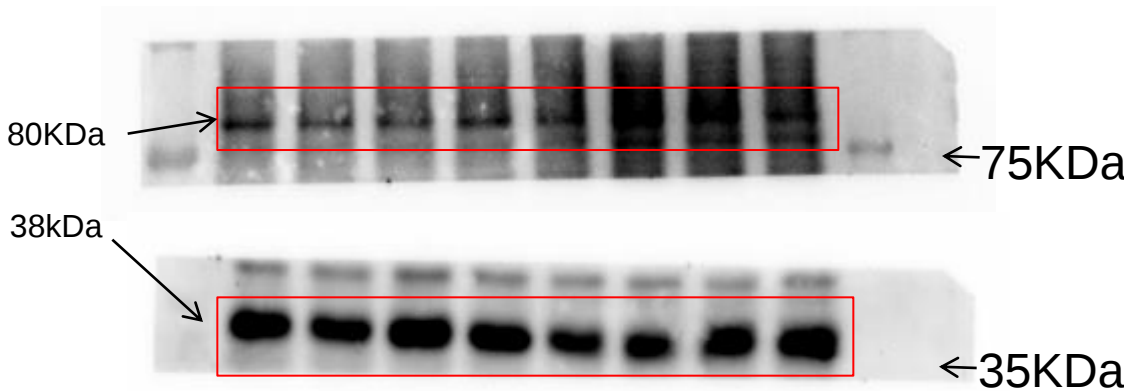
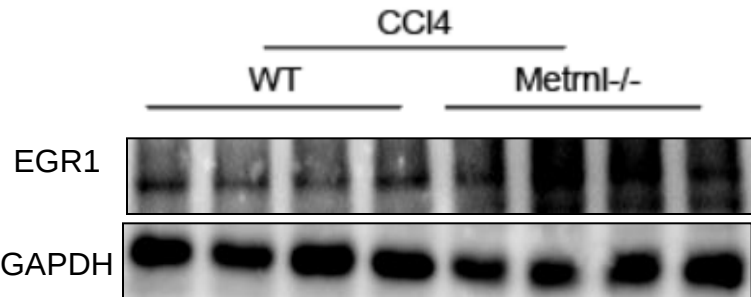
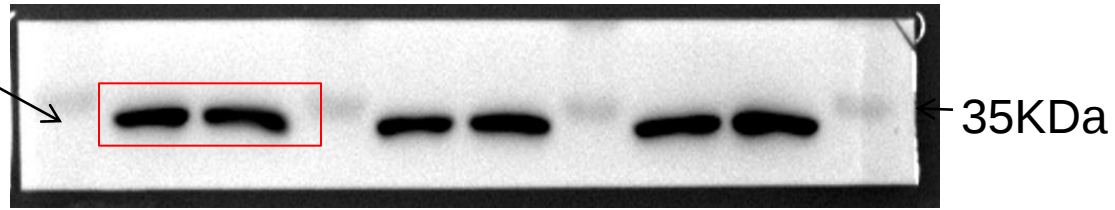
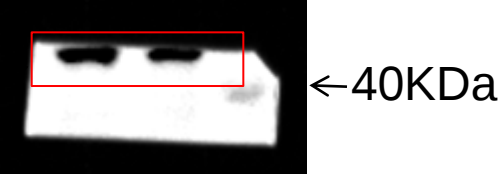
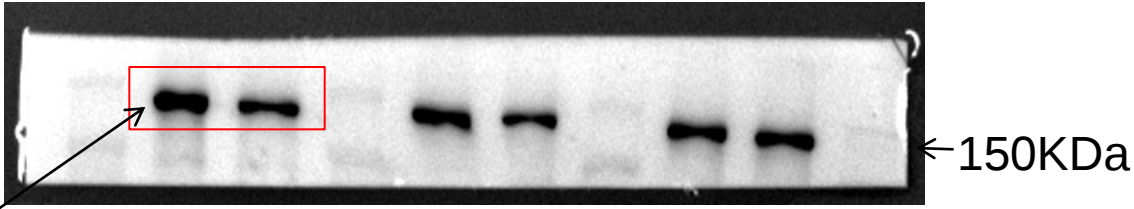
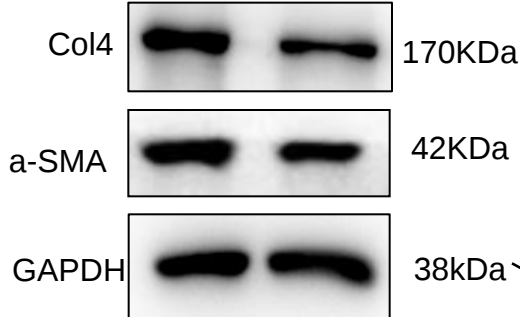
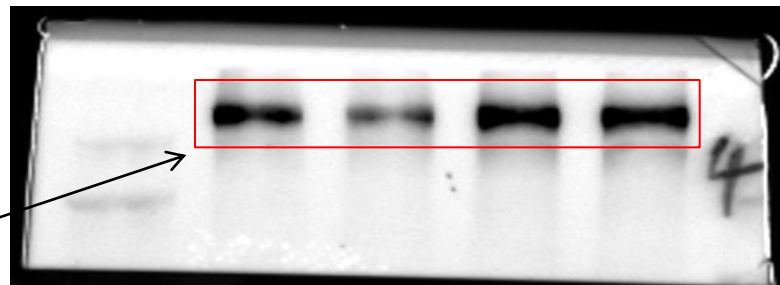
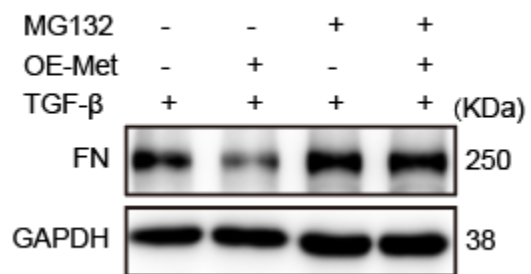
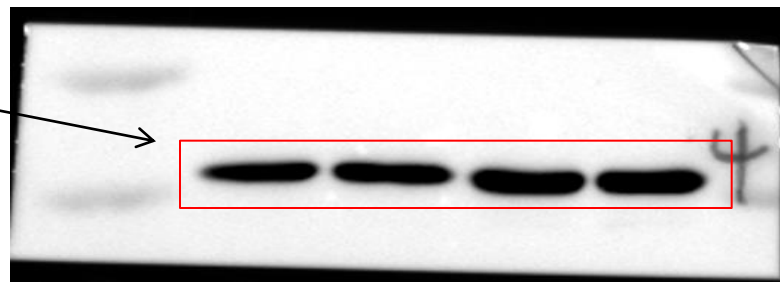


Fig.8

A

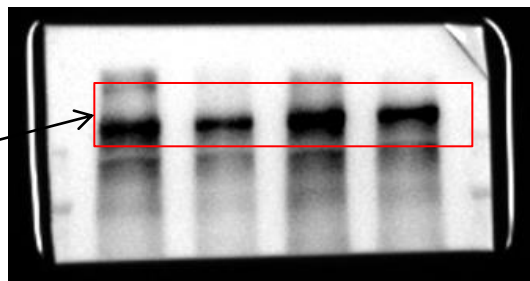
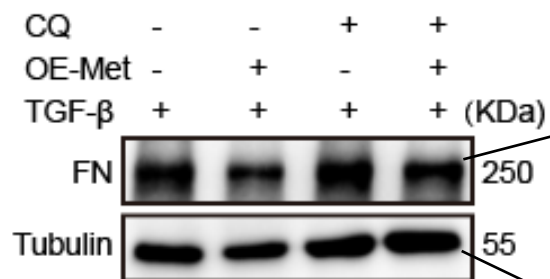


← 250KDa

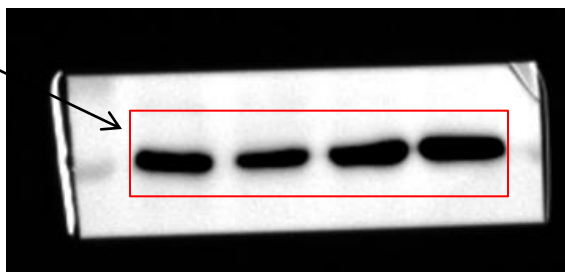


← 35KDa

B



← 250KDa



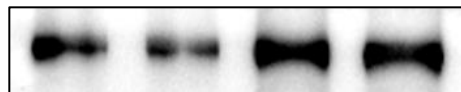
← 55KDa

Repeat

A

MG132	-	-	+	+
OE-Met	-	+	-	+
TGF- β	+	+	+	+

FN

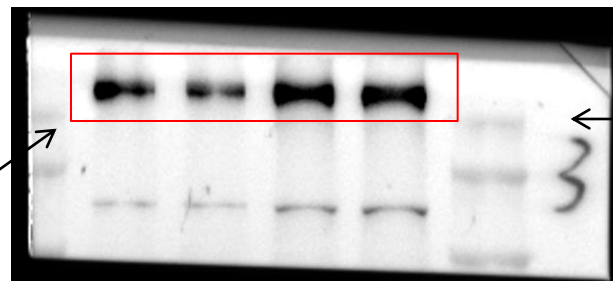


250KDa

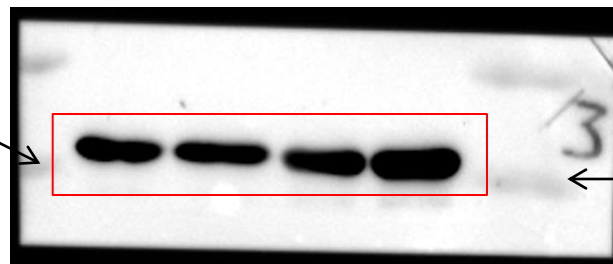
GAPDH



38KDa



← 250KDa

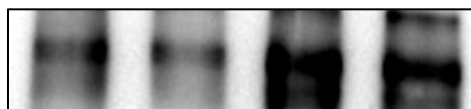


← 35KDa

B

CQ	-	-	+	+
OE-Met	-	+	-	+
TGF- β	+	+	+	+

FN

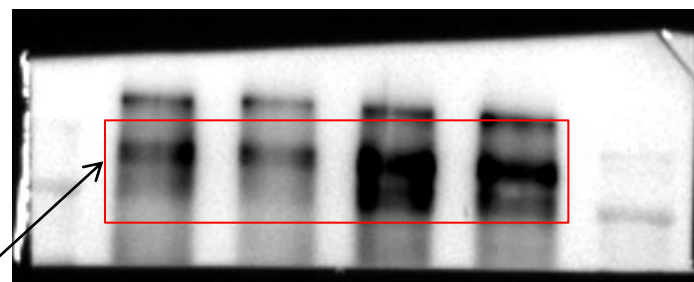


250KDa

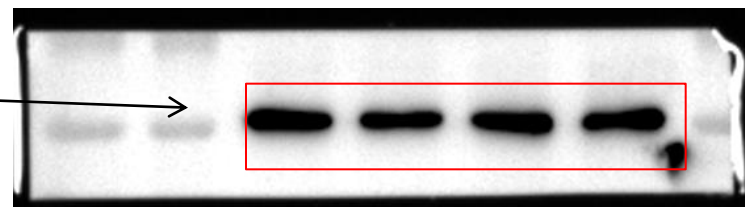
Tubulin



55KDa



← 250KDa



← 55KDa

Repeat

A

MG132	-	-	+	+
OE-Met	-	+	-	+
TGF- β	+	+	+	+

FN

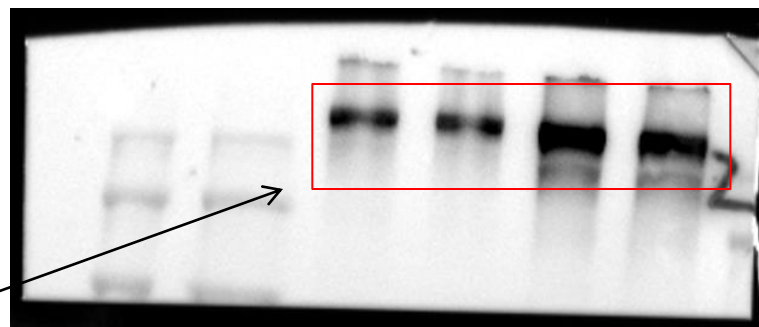


250KDa

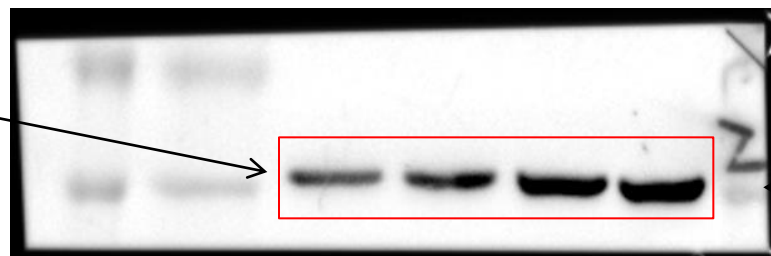
GAPDH



38KDa



250KDa



35KDa

B

CQ	-	-	+	+
OE-Met	-	+	-	+
TGF- β	+	+	+	+

FN

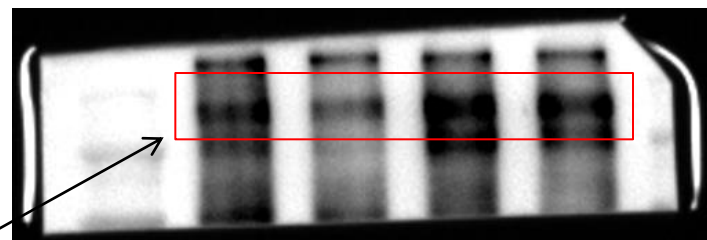


250KDa

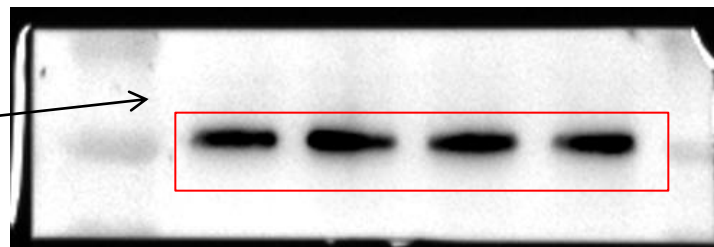
Tubulin



55KDa



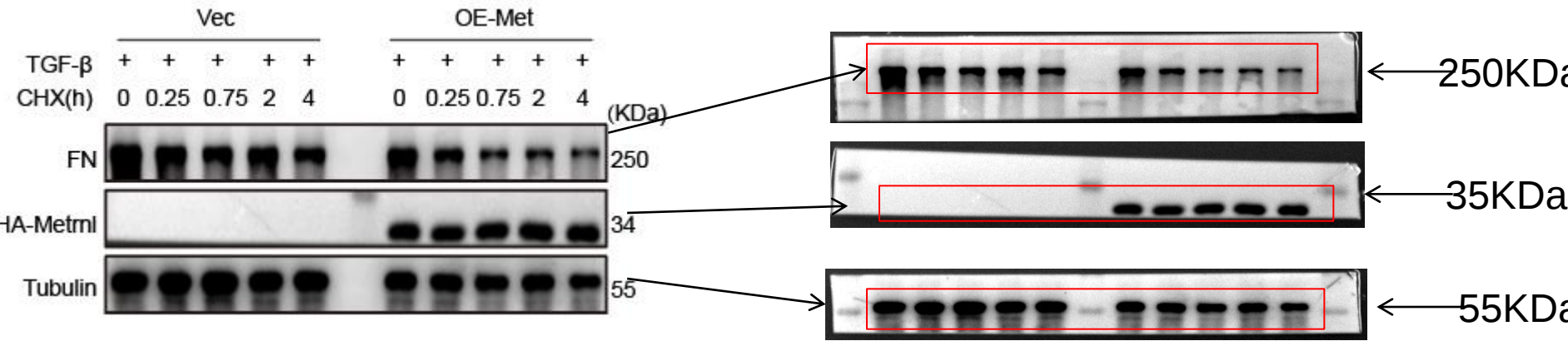
250KDa



55KDa

Fig.8

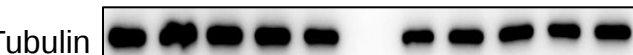
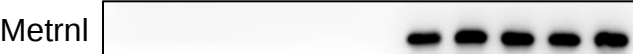
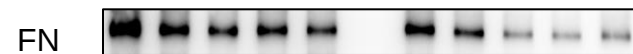
C



Repeat

C

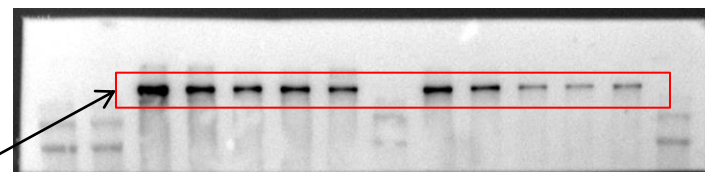
	Vec					OE-Met				
TGF- β	+	+	+	+	+	+	+	+	+	+
CHX(h)	0	0.25	0.75	2	4	0	0.25	0.75	2	4



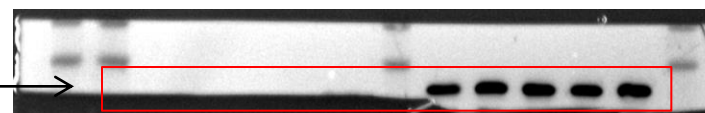
250KDa

34KDa

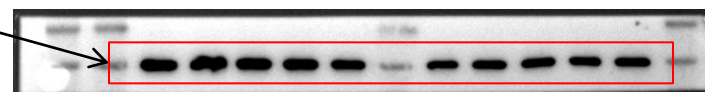
55KDa



← 250KDa



← 35KDa

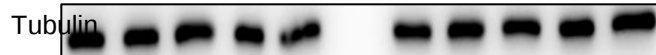
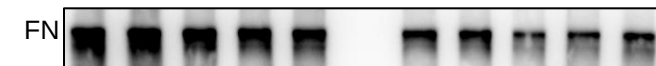


← 55KDa

Repeat

C

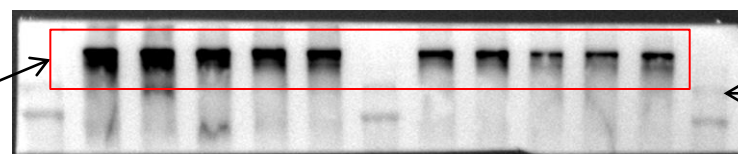
	Vec					OE-Met				
TGF- β	+	+	+	+	+	+	+	+	+	+
CHX(h)	0	0.25	0.75	2	4	0	0.25	0.75	2	4



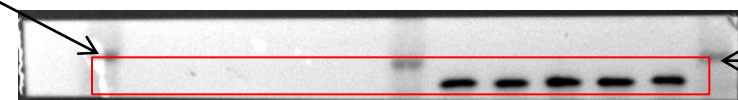
250KDa

34KDa

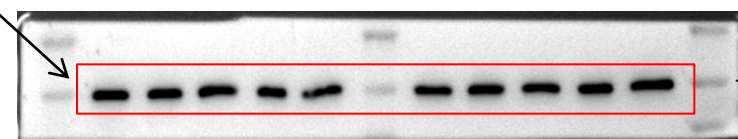
55KDa



← 250KDa

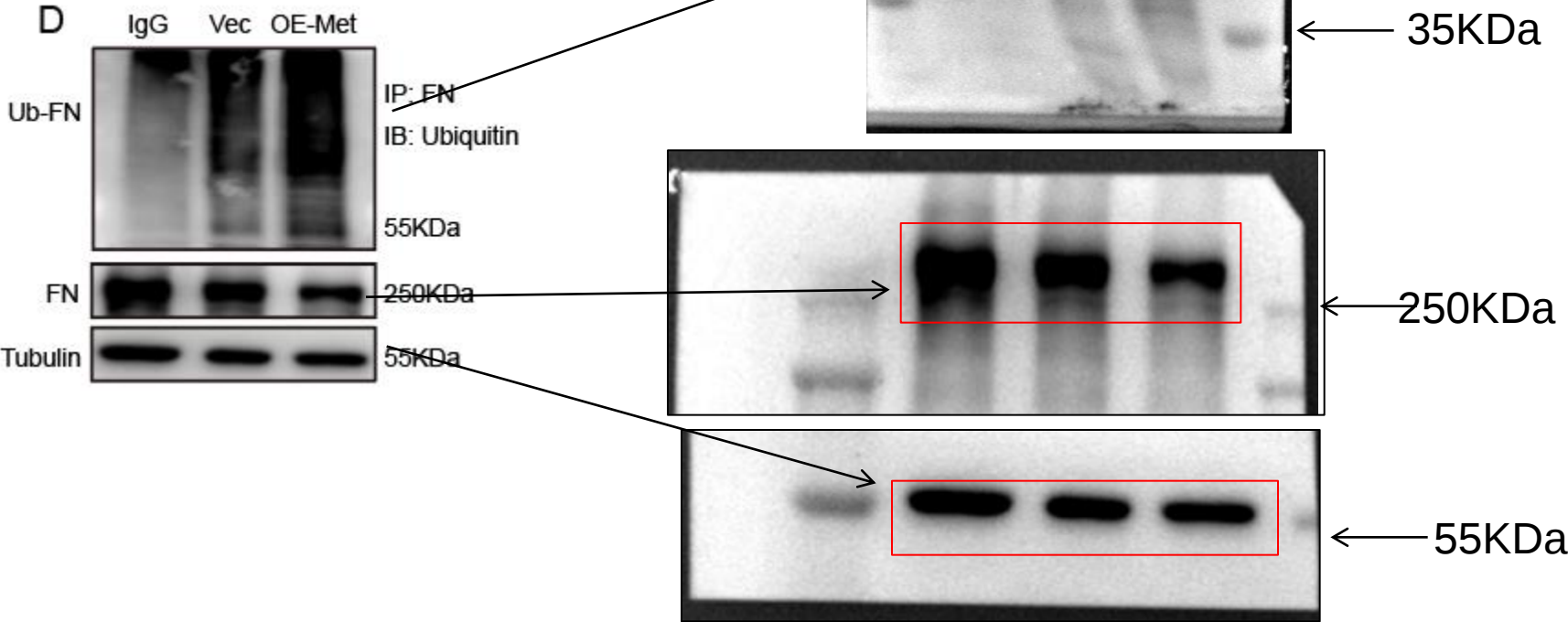


← 35KDa



← 55KDa

Fig.8



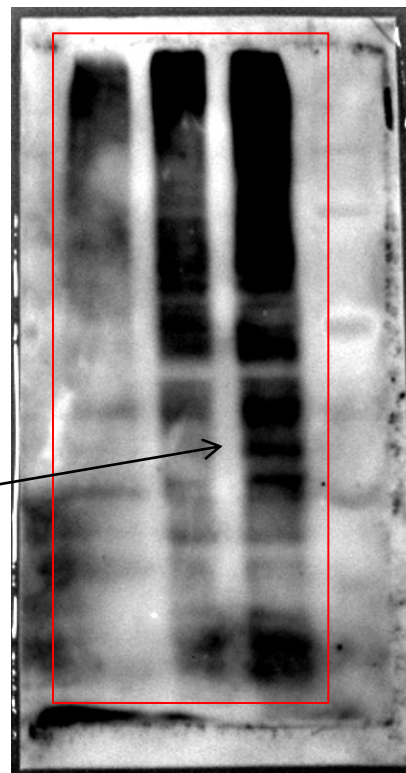
Repeat

TGF- β
IgG Vec OE-Met

Ub-FN



IP:FN
IB:Ubiquitin

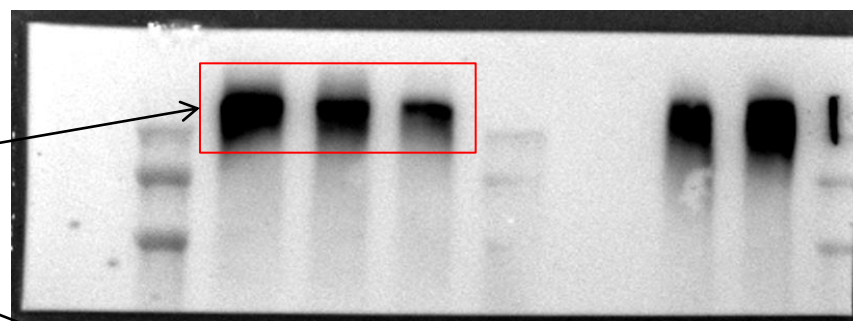


← 250KDa
← 150KDa
← 100KDa
← 75KDa
← 55KDa
← 40KDa
← 35KDa

FN



250KDa

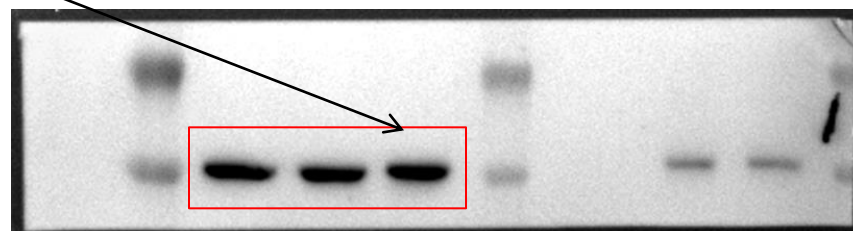


← 250KDa

Tubulin

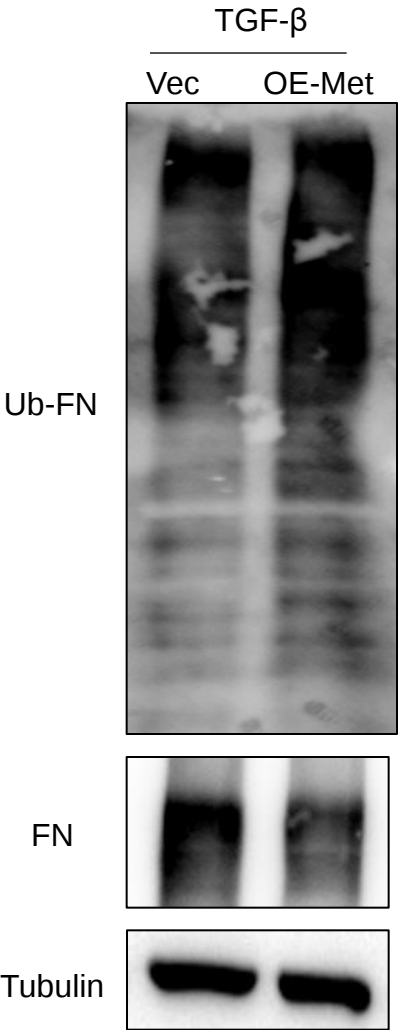


55KDa



← 55KDa

Repeat



IP:FN
IB:Ubiquitin

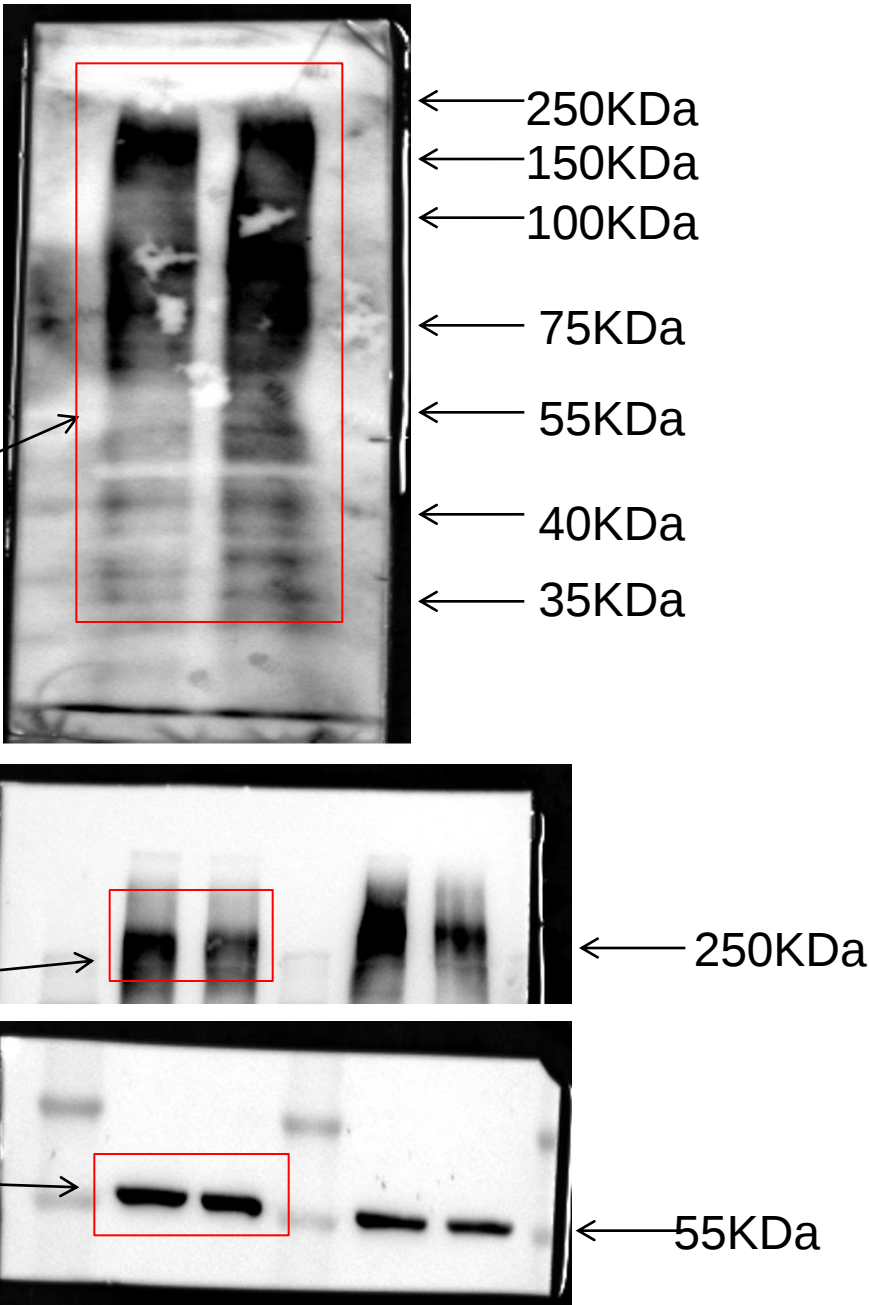
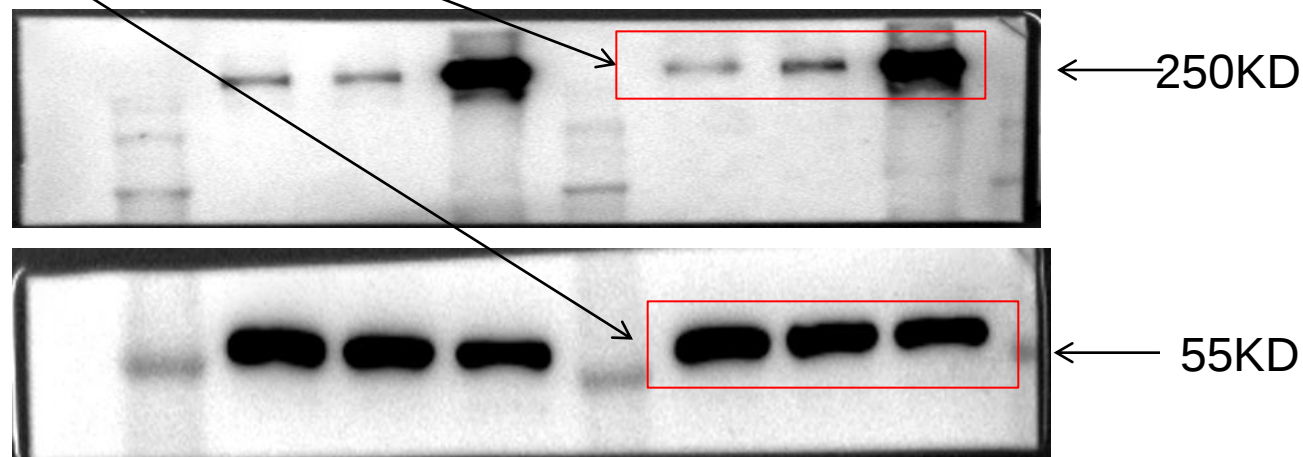
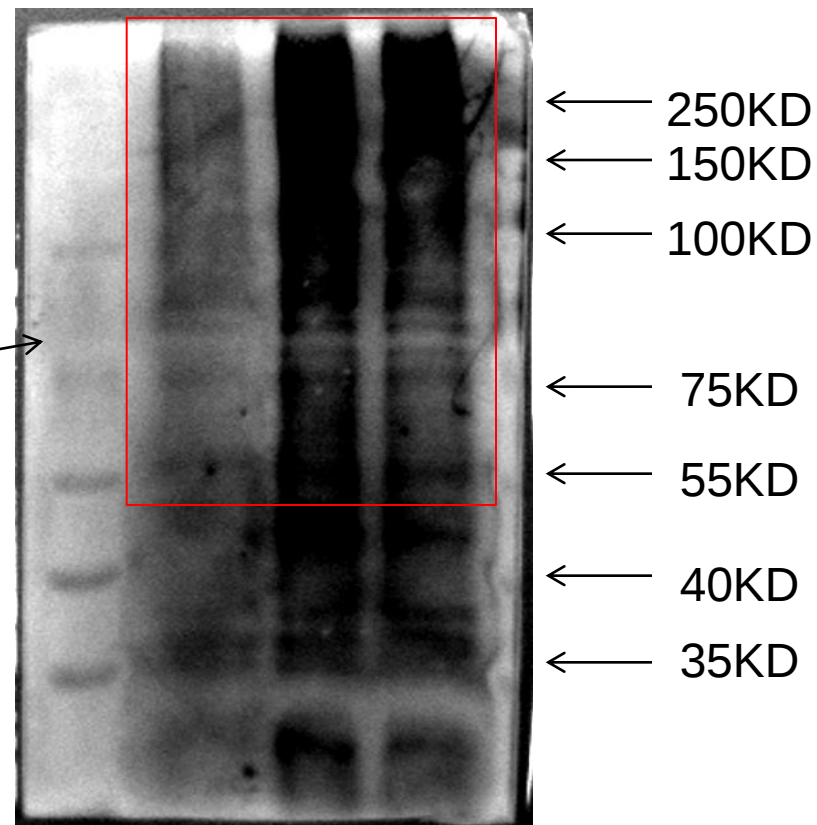
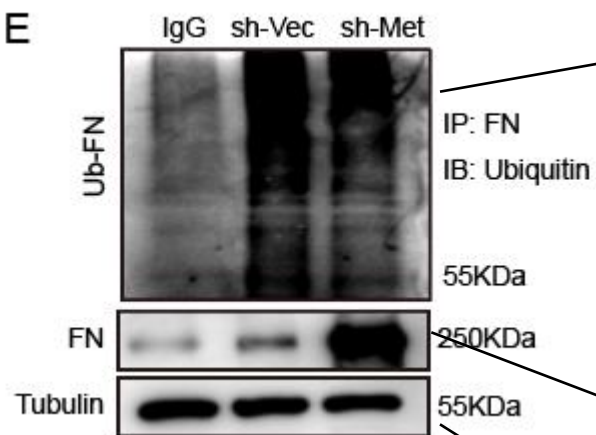
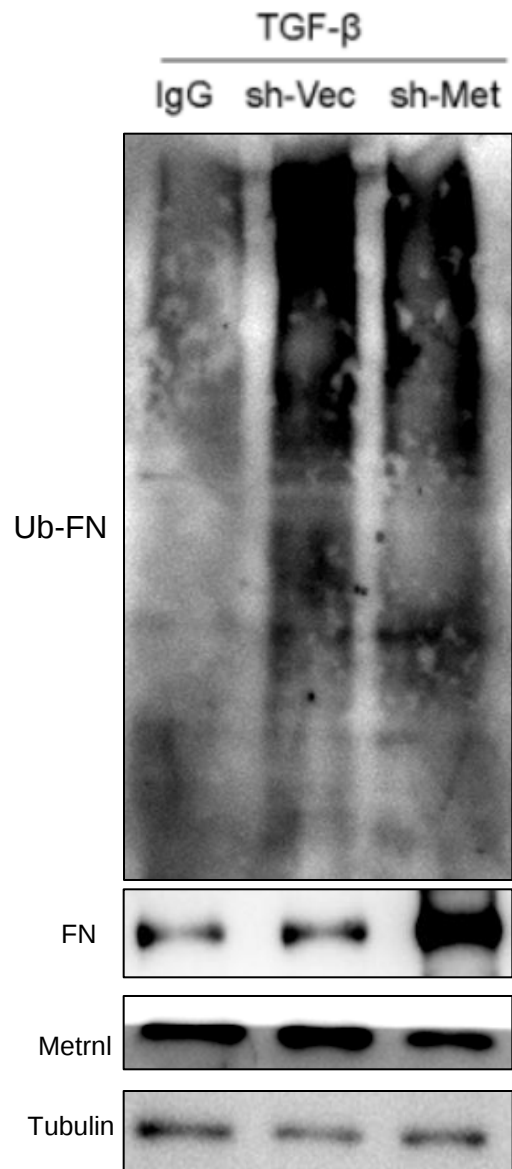


Fig.8

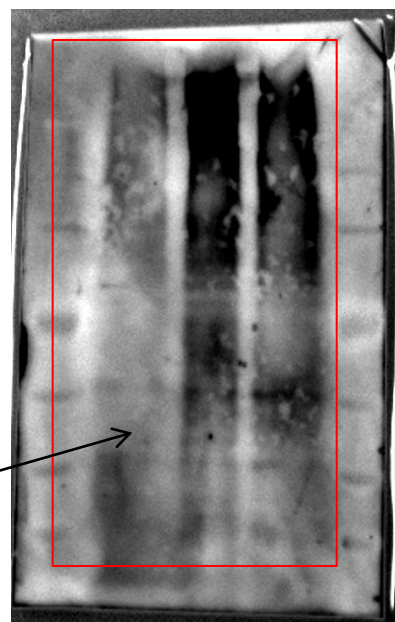
E



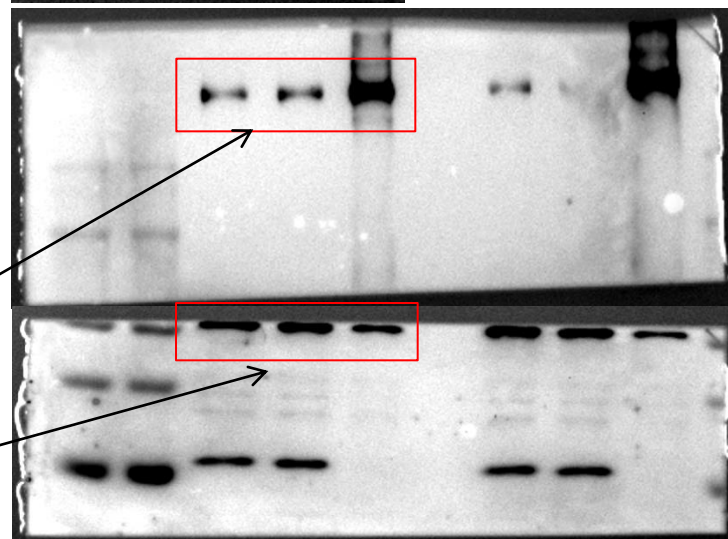
Repeat



IP:FN
IB:Ubiquitin

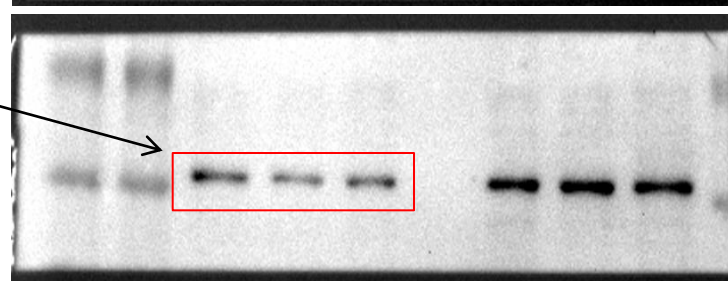


← 250KDa
← 150KDa
← 100KDa
← 75KDa
← 55KDa
← 40KDa
← 35KDa



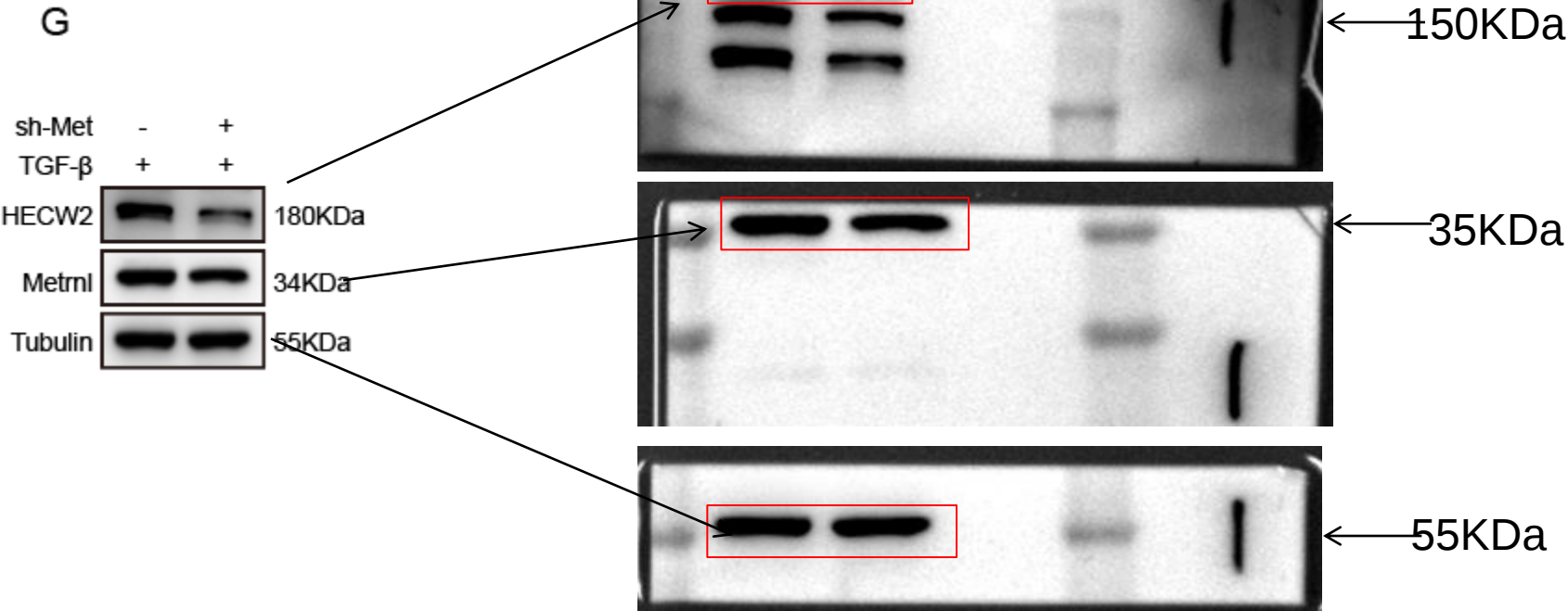
← 250KDa

← 35KDa



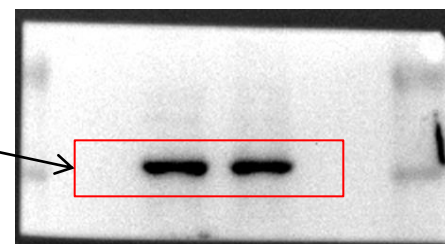
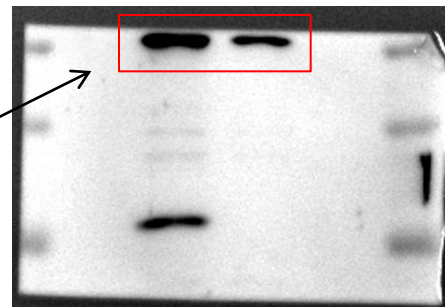
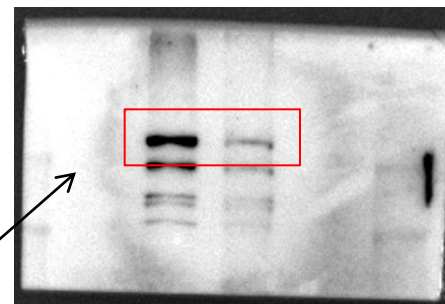
← 55KDa

Fig.8



Repeat

sh-Met	-	+
TGF- β	+	+



Repeat

sh-Met	-	+
TGF- β	+	+

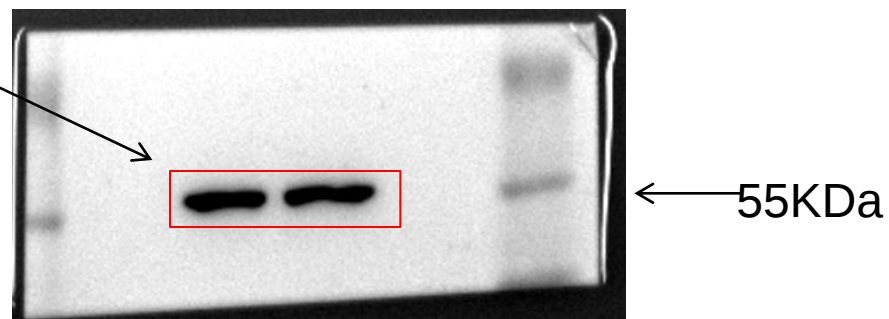
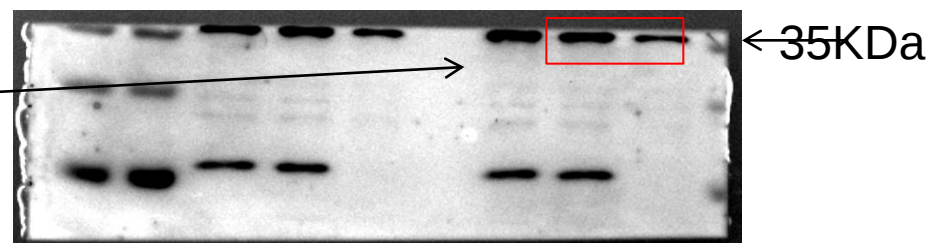
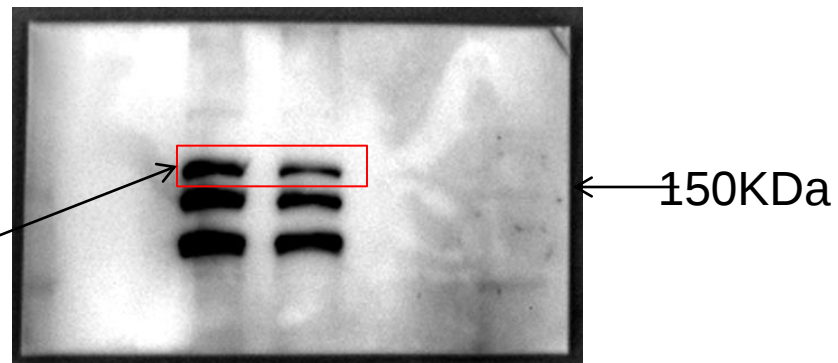
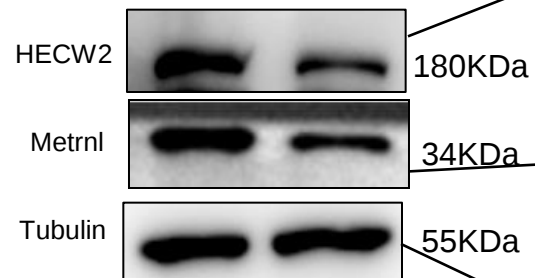
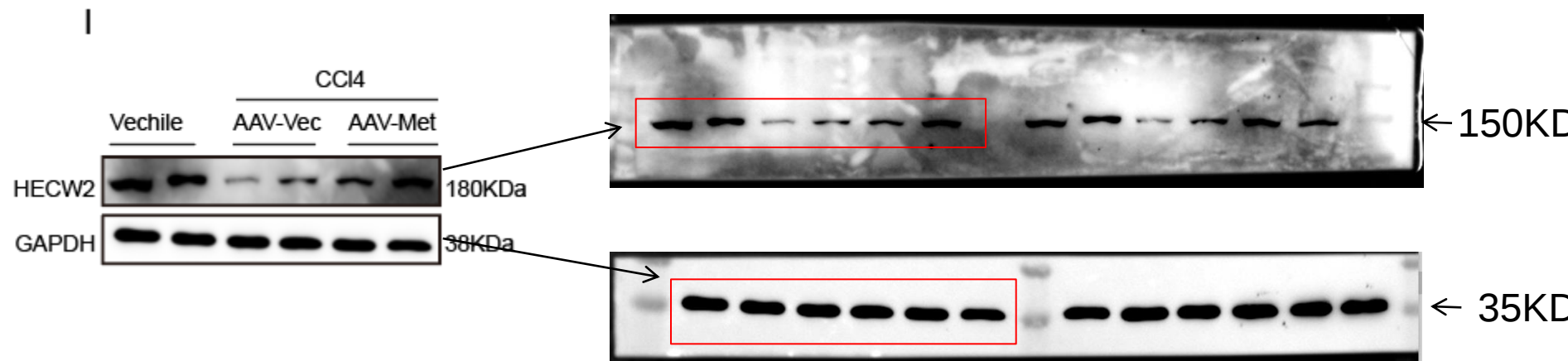
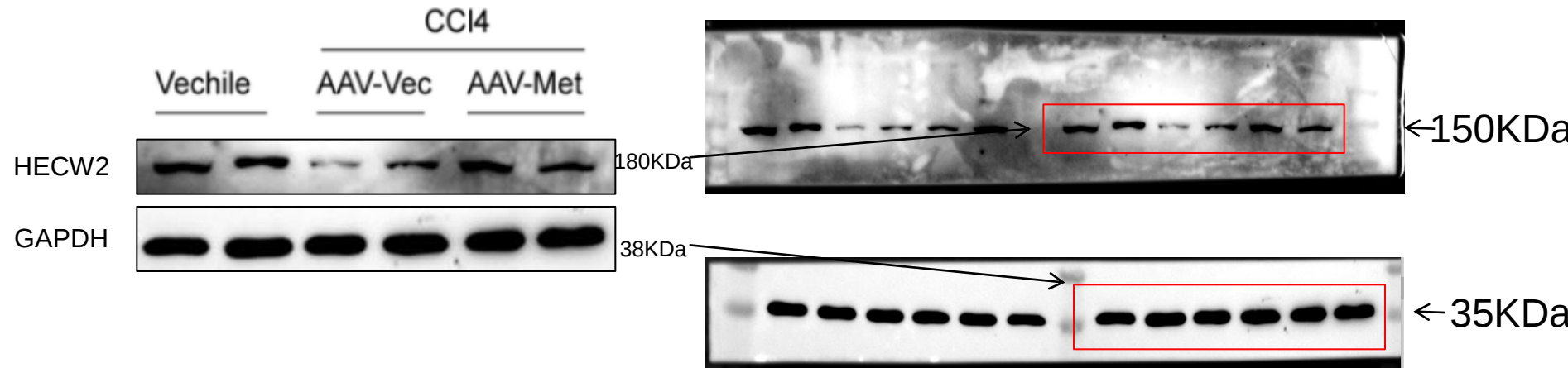


Fig.8



Repeat



Repeat

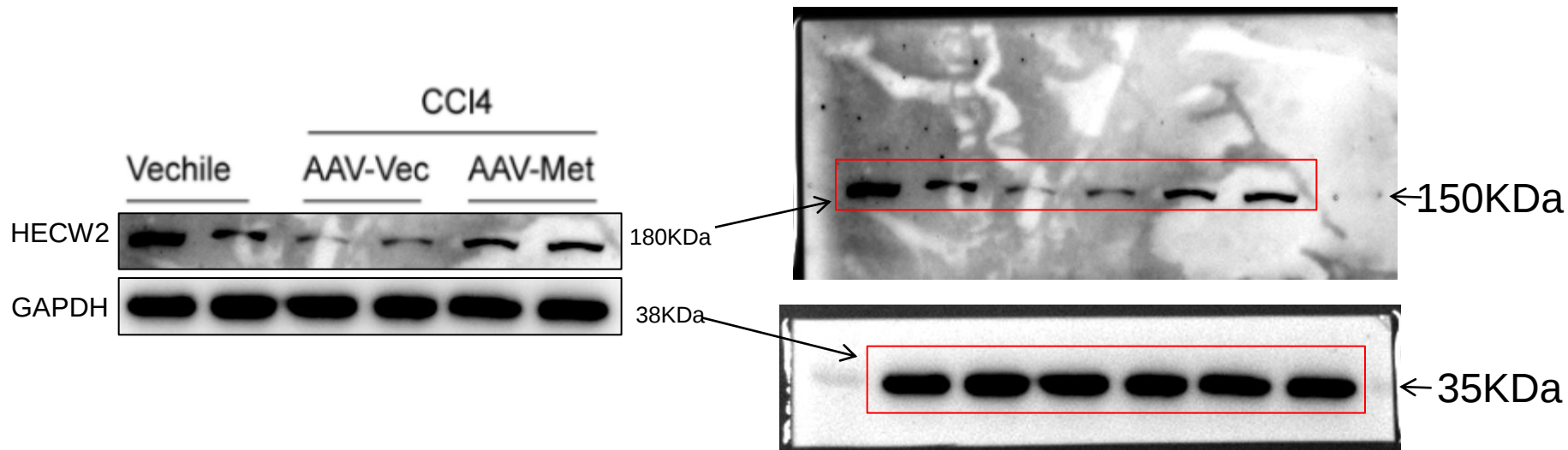
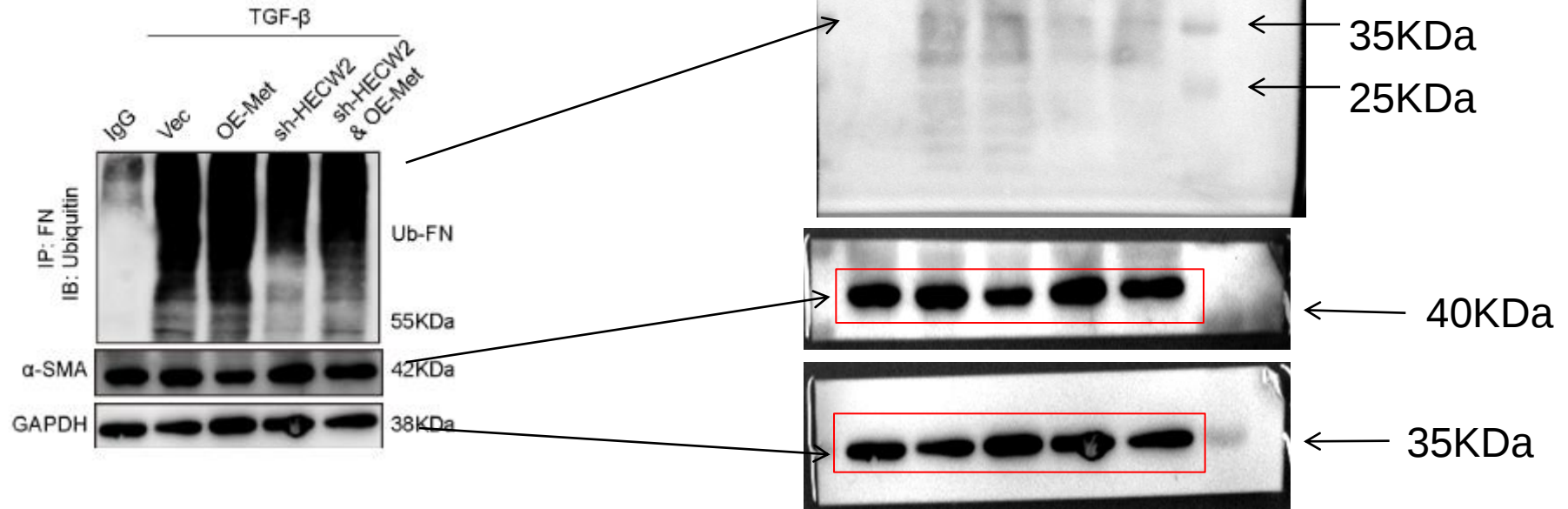


Fig.8

J



Repeat

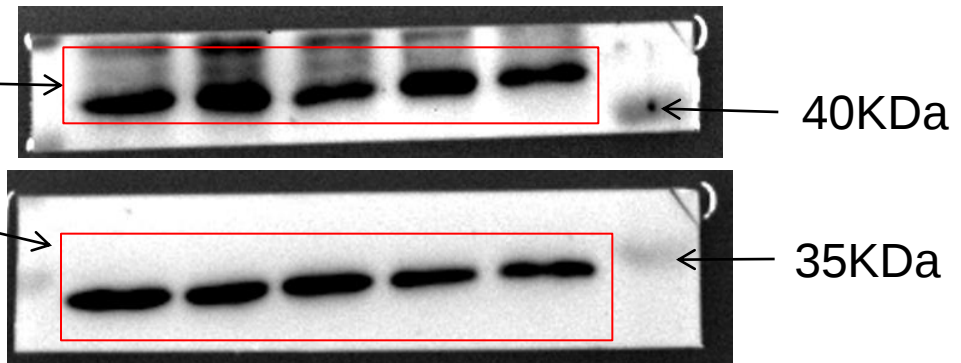
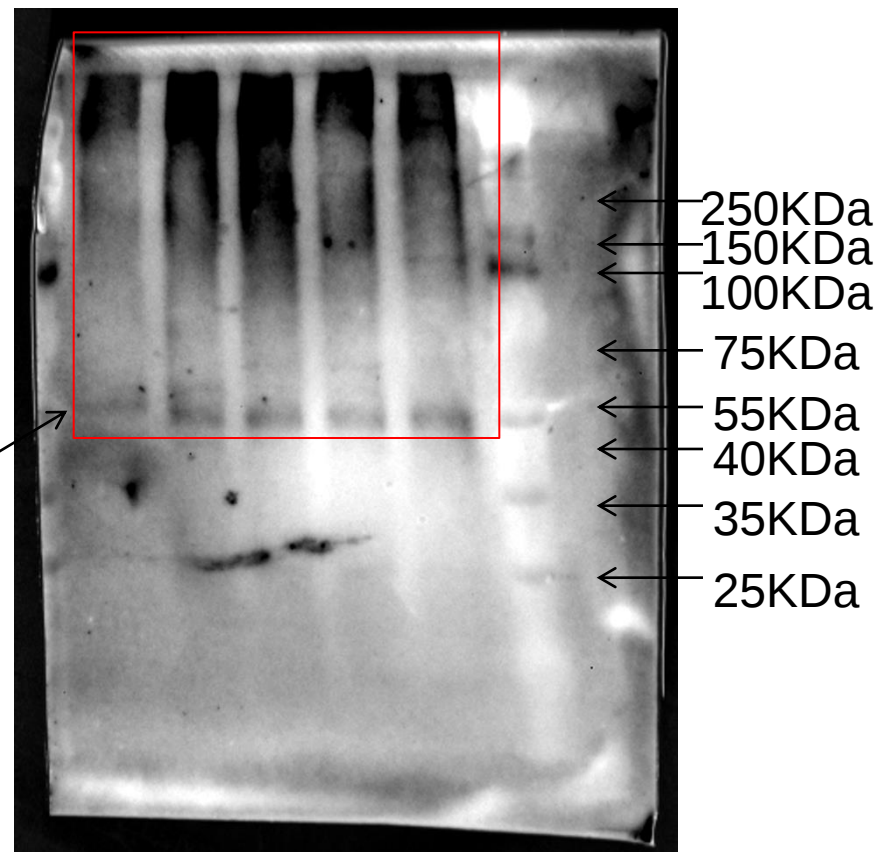
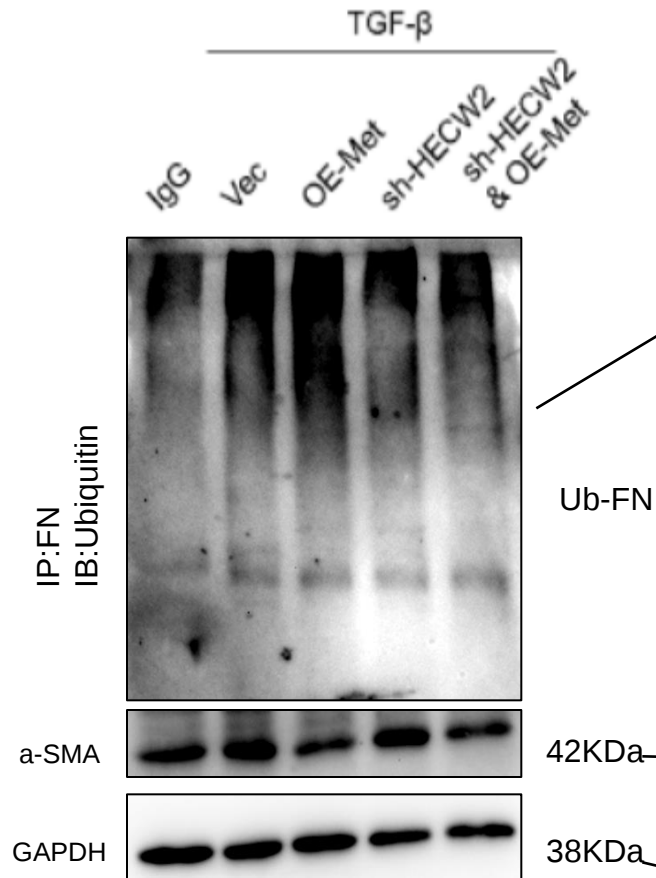
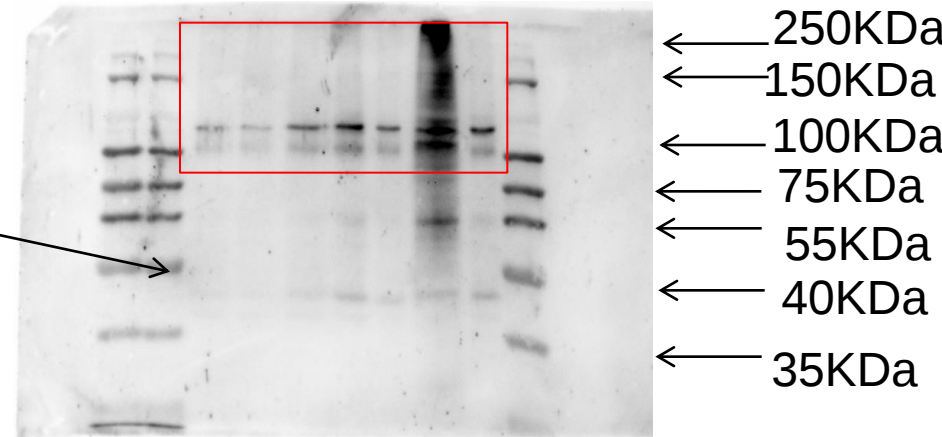
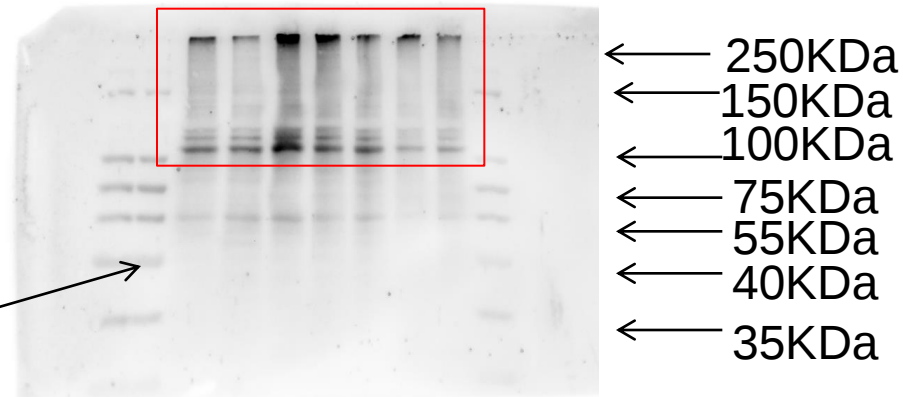
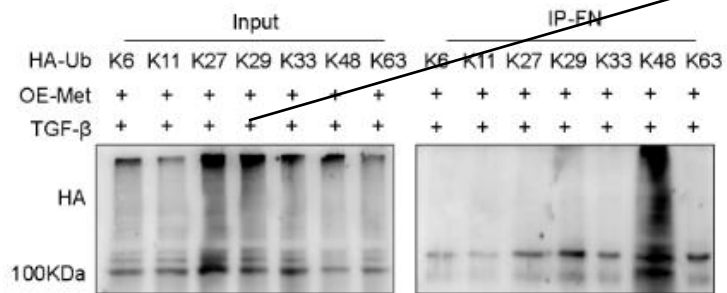


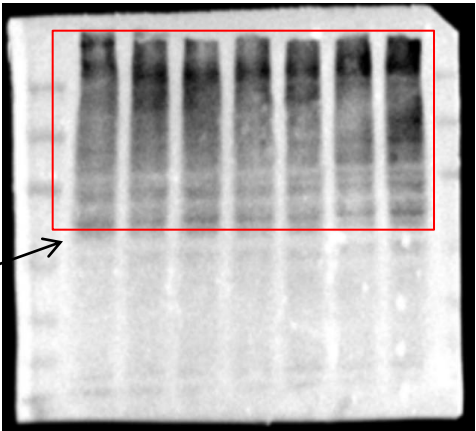
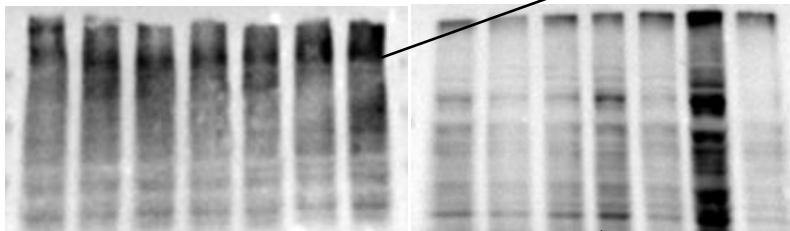
Fig.8

K

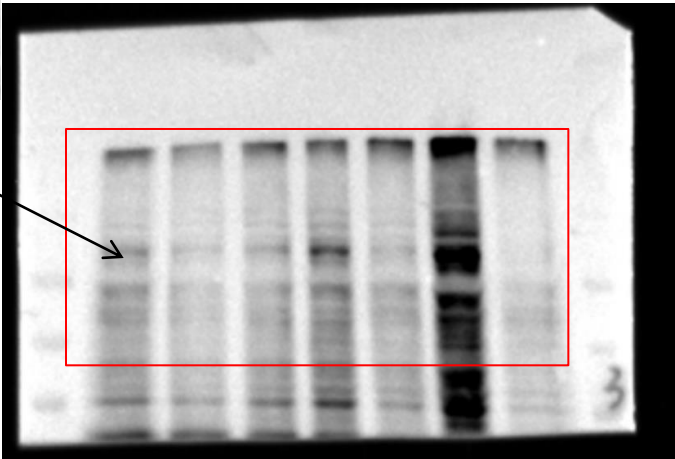


Repeat

	Input							IP-FN						
HA-Ub	K6	K11	K27	K29	K33	K48	K63	K6	K11	K27	K29	K33	K48	K63
OE-Met	+	+	+	+	+	+	+	+	+	+	+	+	+	+
TGF- β	+	+	+	+	+	+	+	+	+	+	+	+	+	+



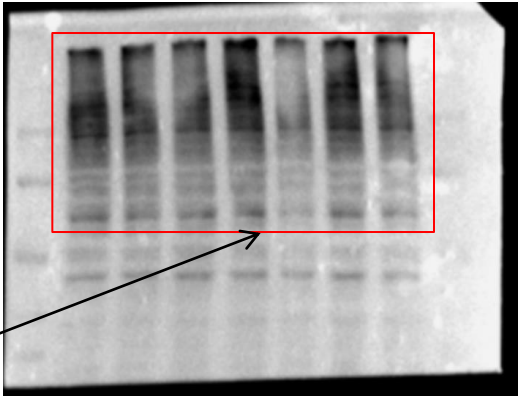
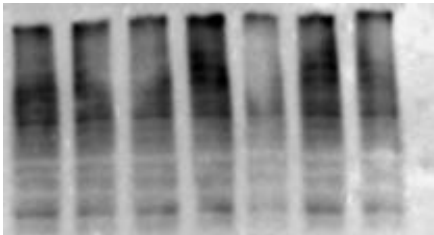
← 250KDa
← 150KDa
← 100KDa
← 75KDa
← 55KDa
← 40KDa
← 35KDa



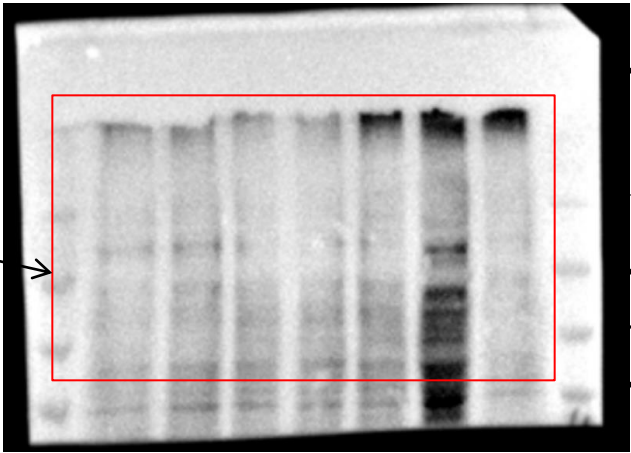
← 250KDa
← 150KDa
← 100KDa
← 75KDa
← 55KDa
← 40KDa
← 35KDa

Repeat

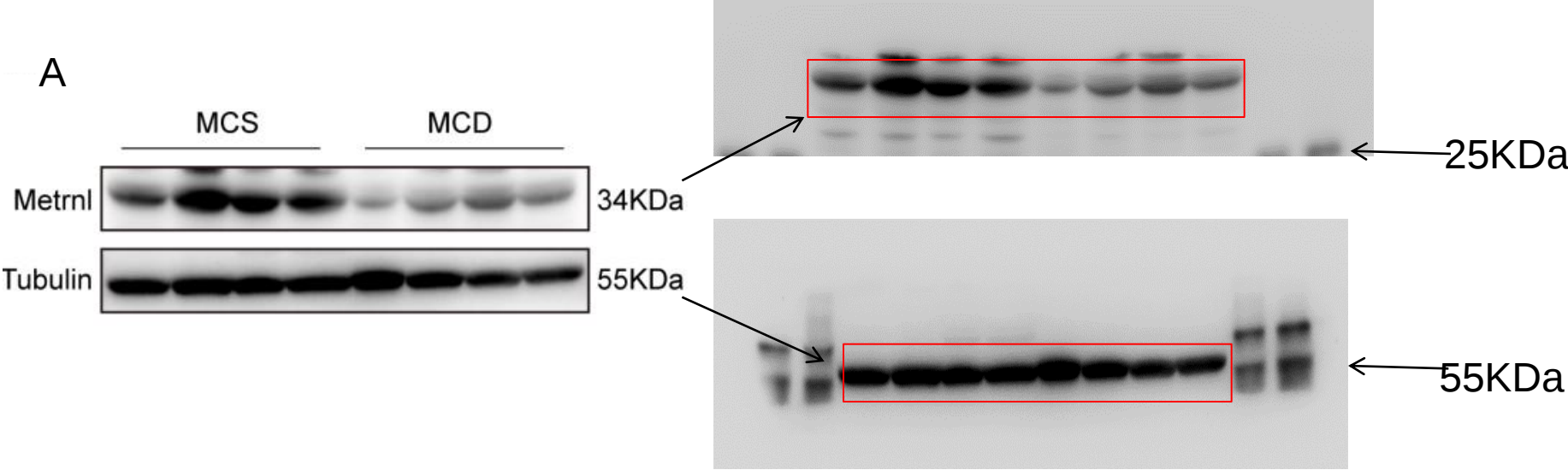
	Input							IP-FN						
HA-Ub	K6	K11	K27	K29	K33	K48	K63	K6	K11	K27	K29	K33	K48	K63
OE-Met	+	+	+	+	+	+	+	+	+	+	+	+	+	+
TGF-β	+	+	+	+	+	+	+	+	+	+	+	+	+	+



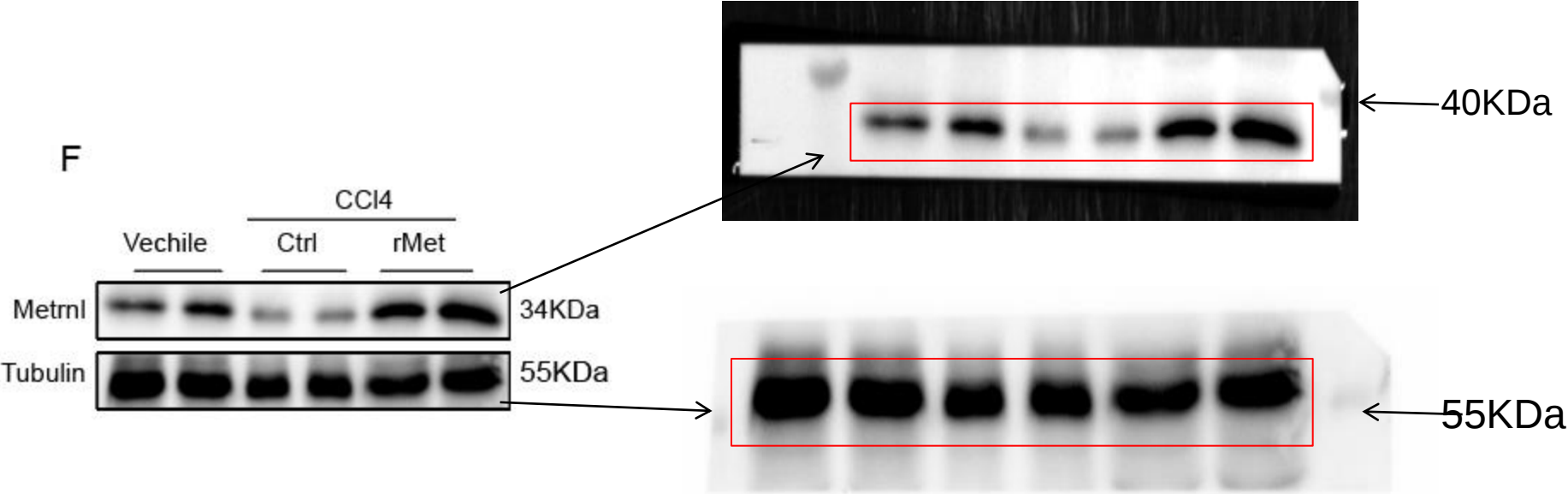
← 250KDa
← 150KDa
← 100KDa
← 75KDa
← 55KDa
← 40KDa



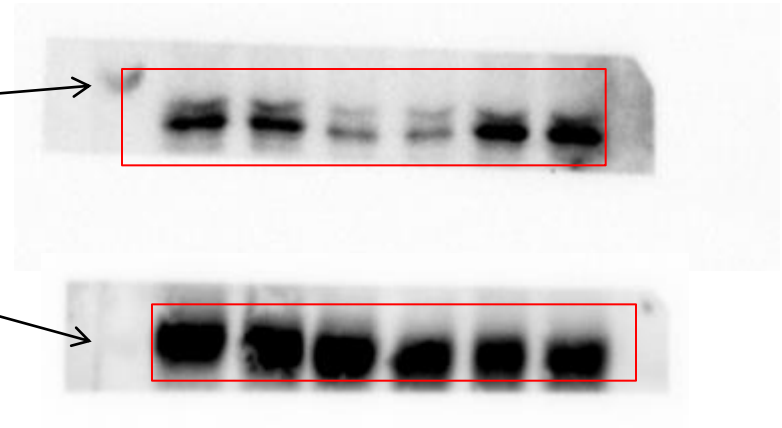
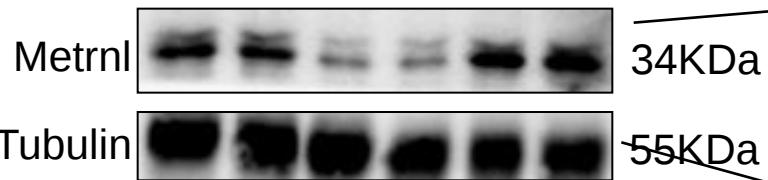
← 250KDa
← 150KDa
← 100KDa
← 75KDa
← 55KDa
← 40KDa



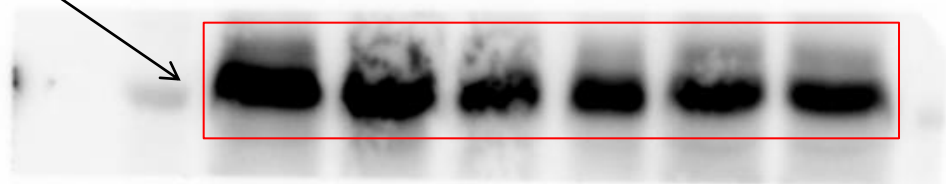
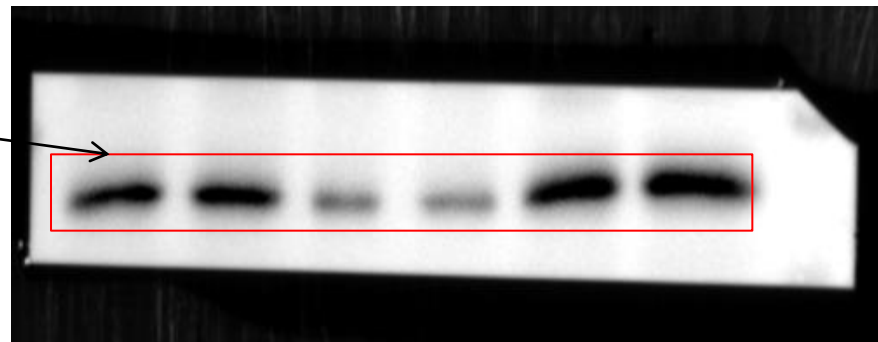
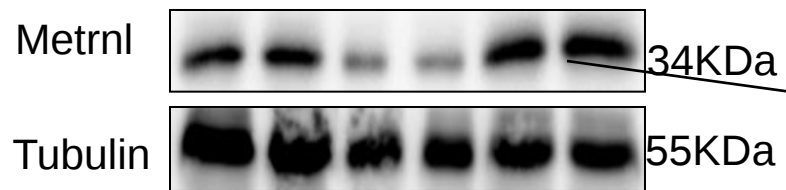
Supplementary Fig.1



Repeat

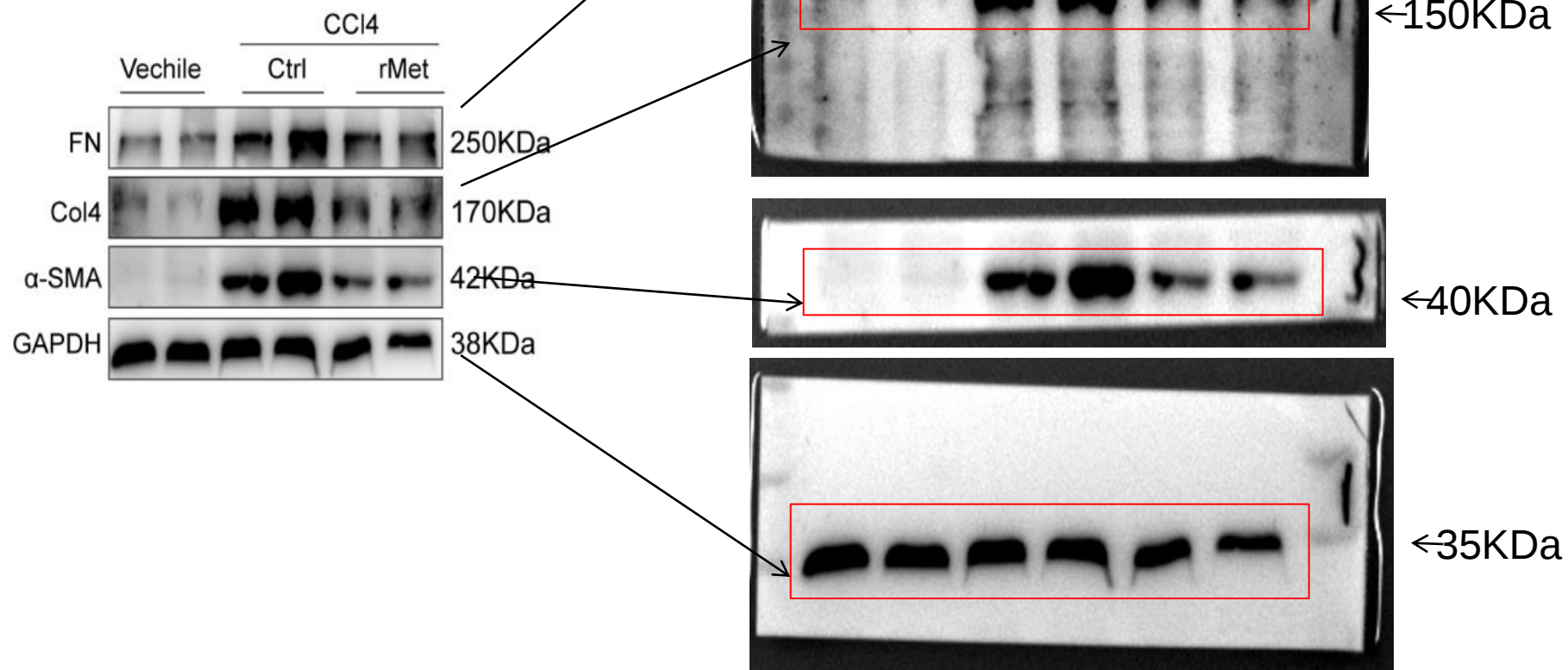


Repeat

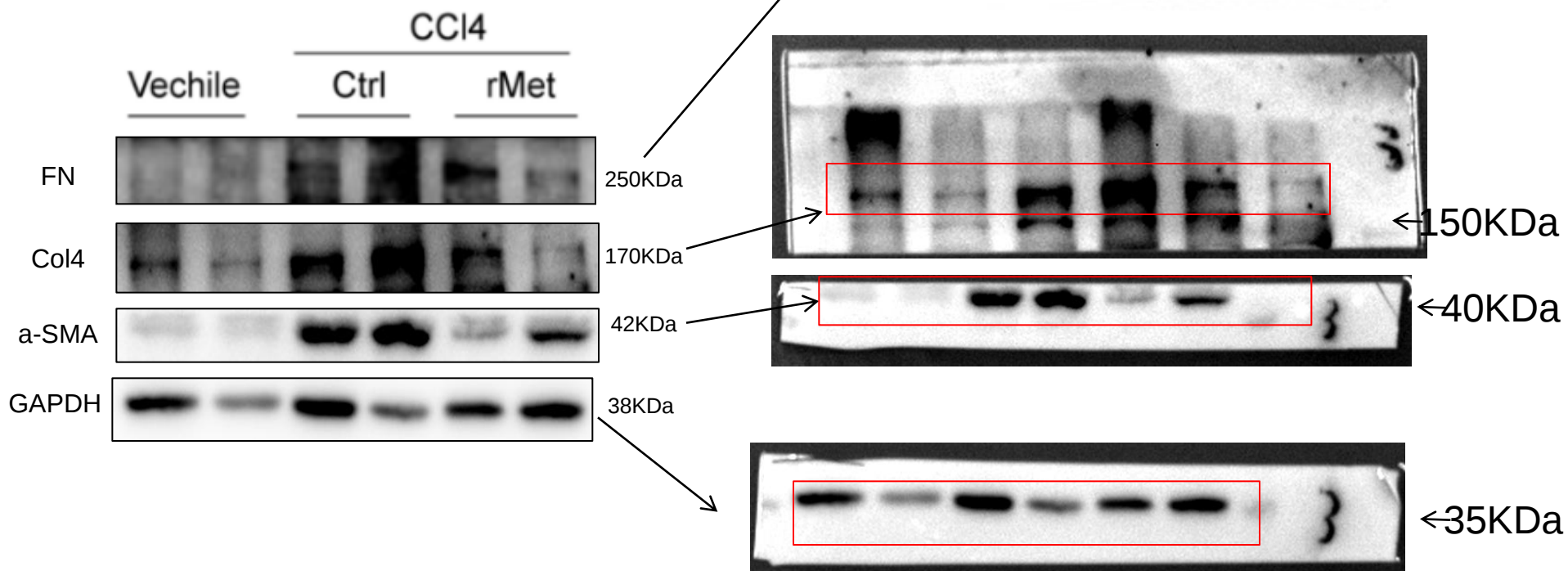


Supplementary Fig.1

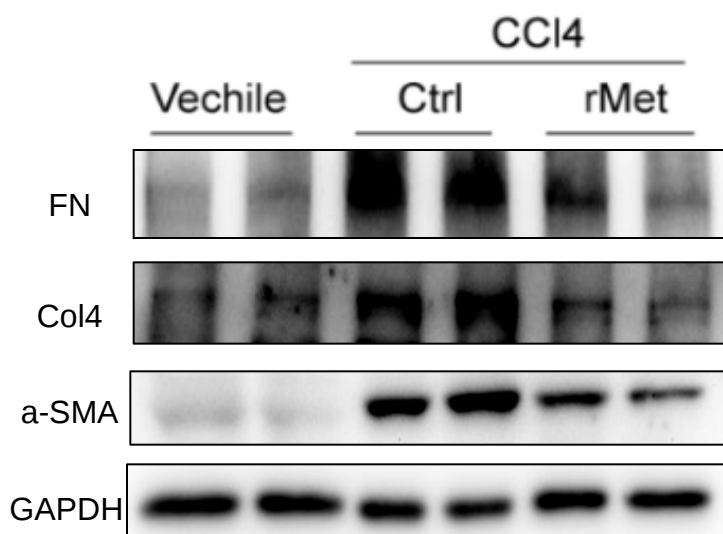
I



Repeat



Repeat

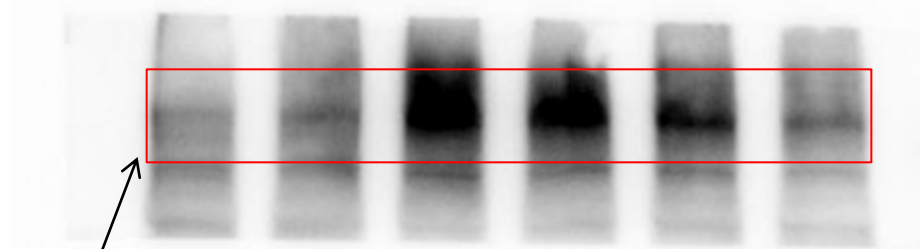


250KDa

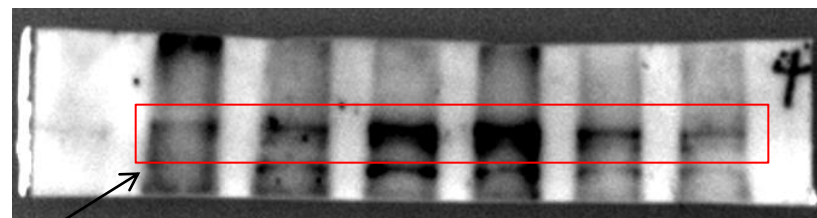
170KDa

42KDa

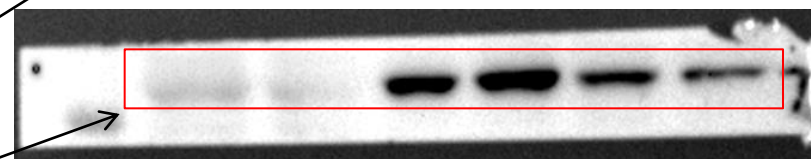
38KDa



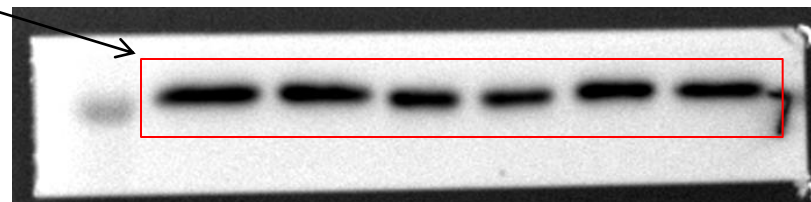
←250KDa



←150KDa



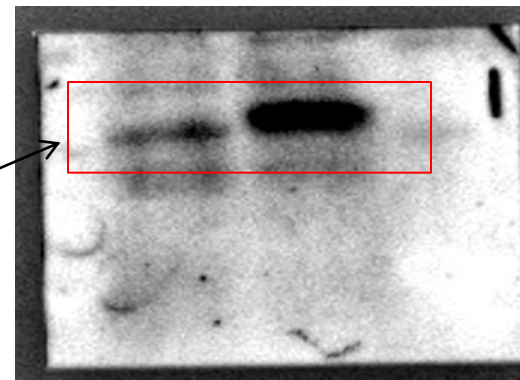
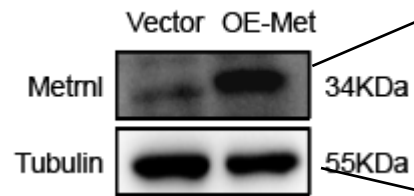
←40KDa



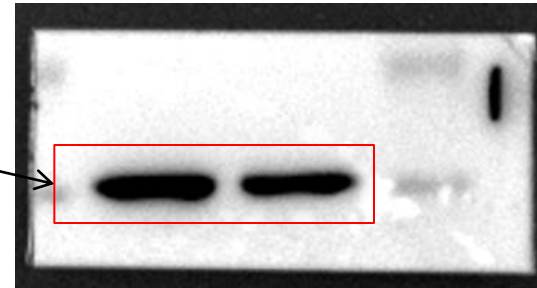
←35KDa

Supplementary Fig.1

J

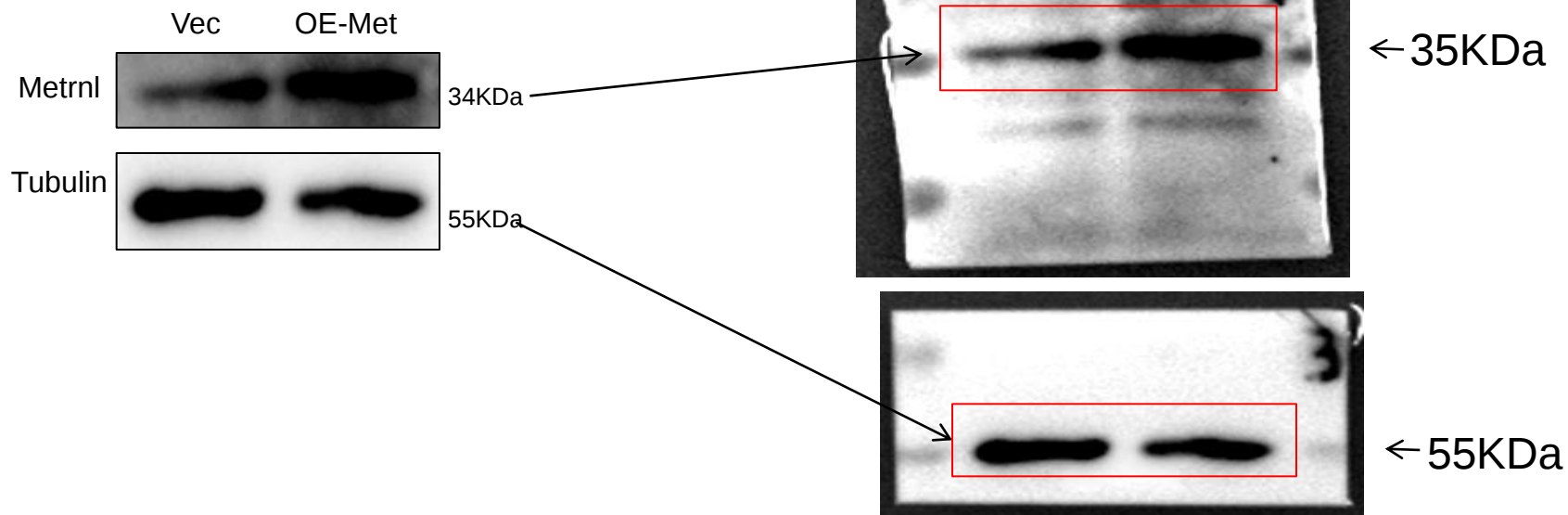


← 35KDa

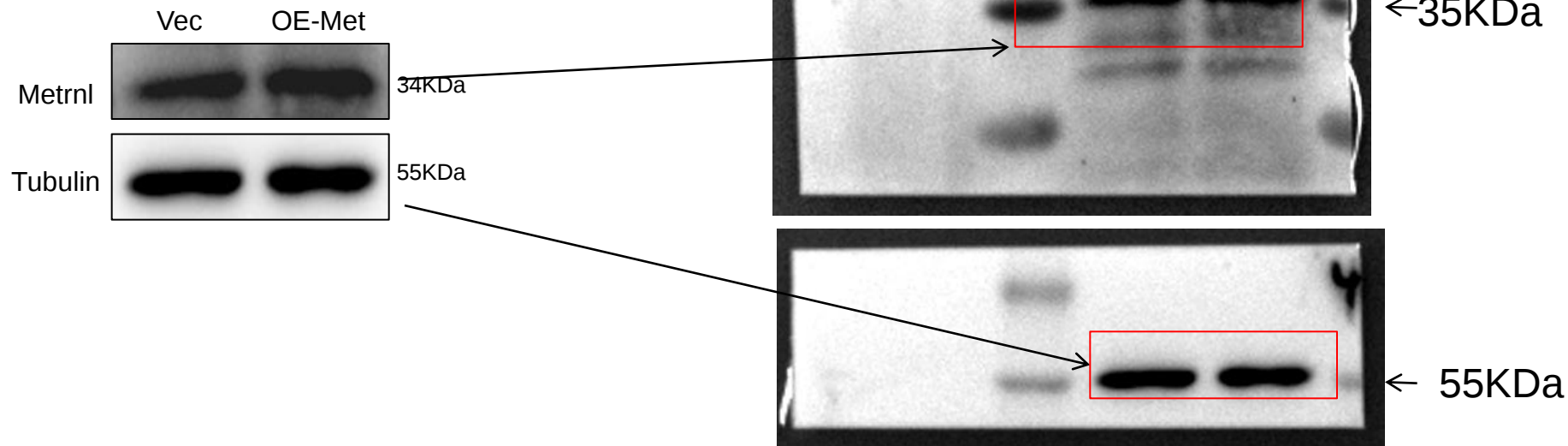


← 55KDa

Repeat

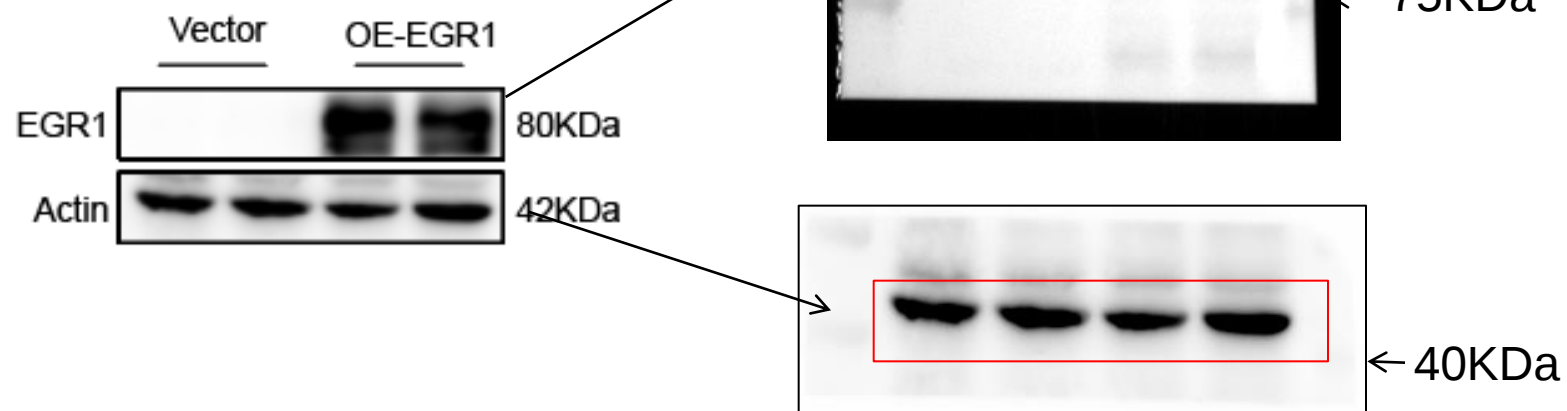


Repeat

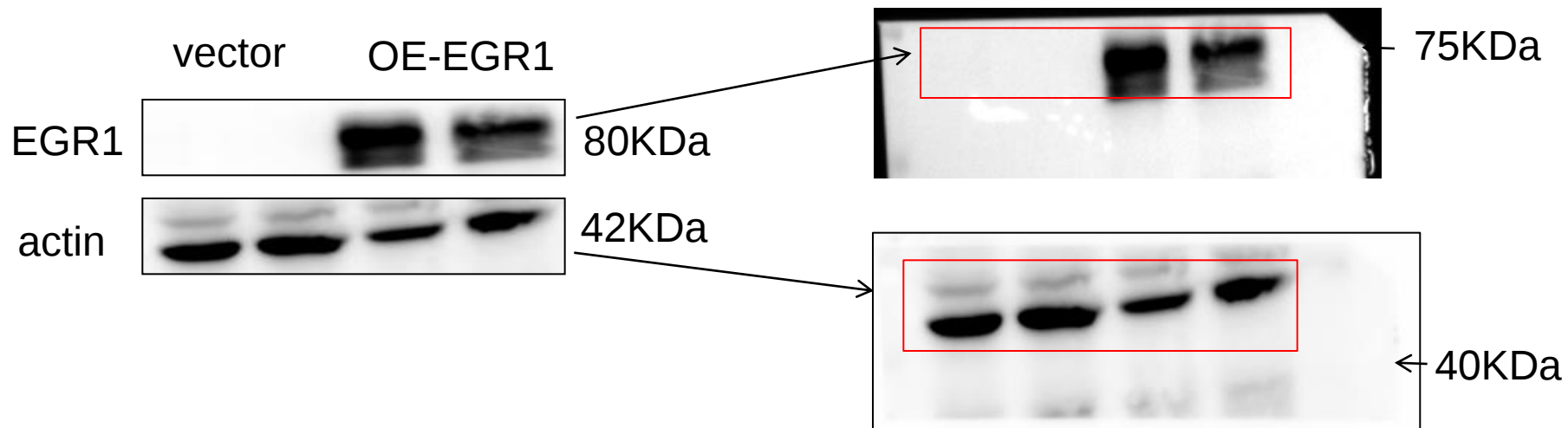


Supplementary Fig.4

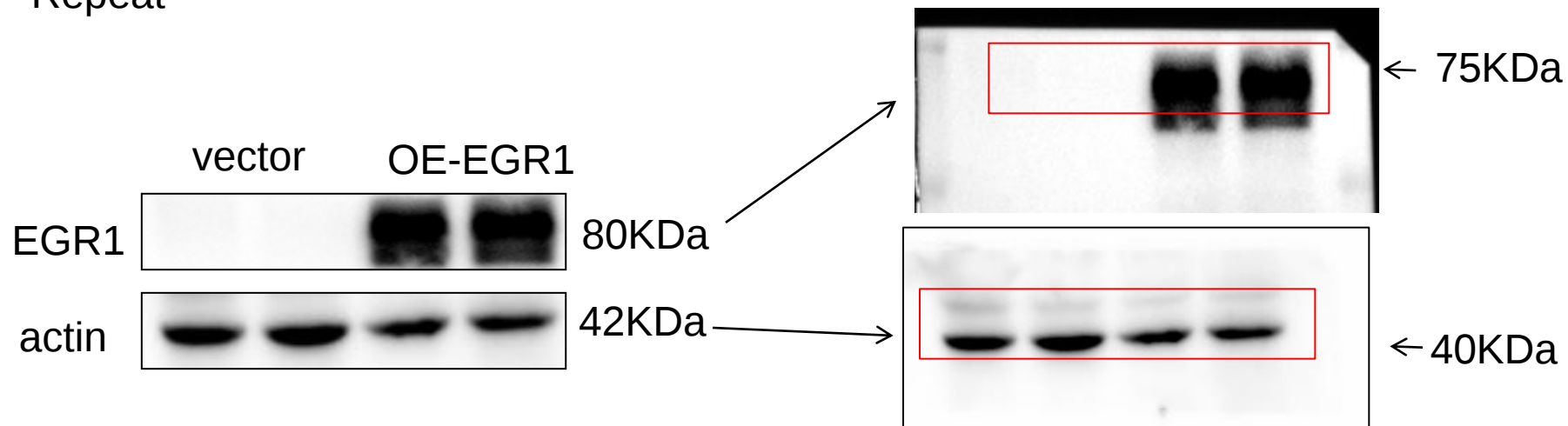
A



Repeat

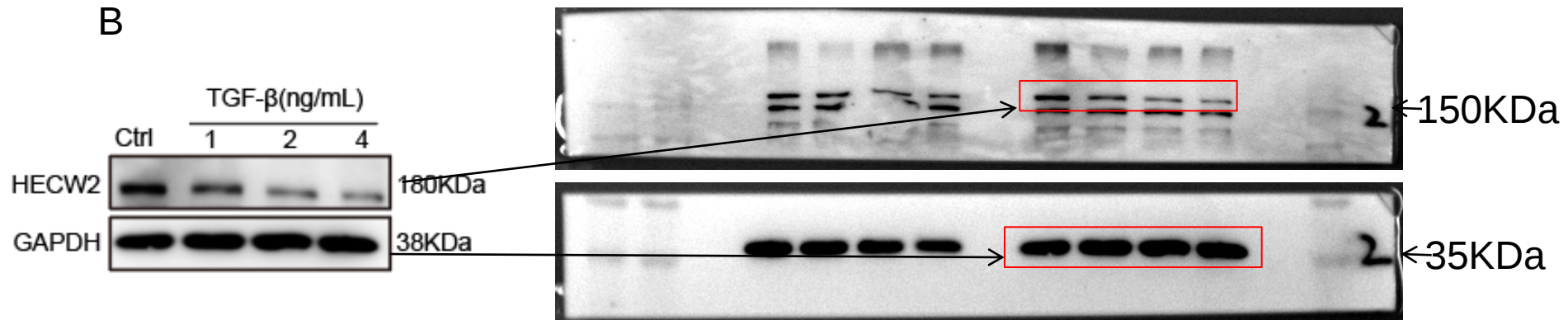


Repeat

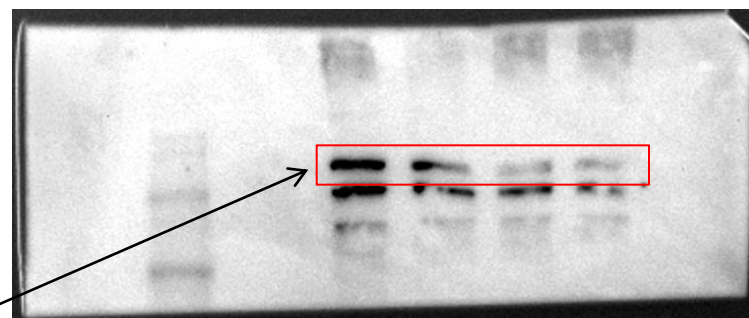
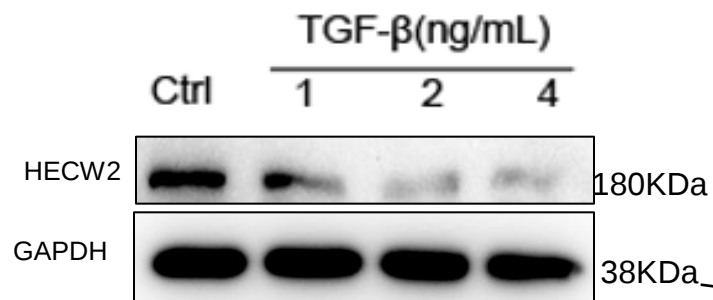


Supplementary Fig.4

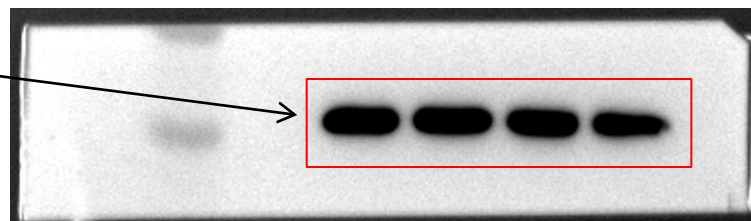
B



Repeat

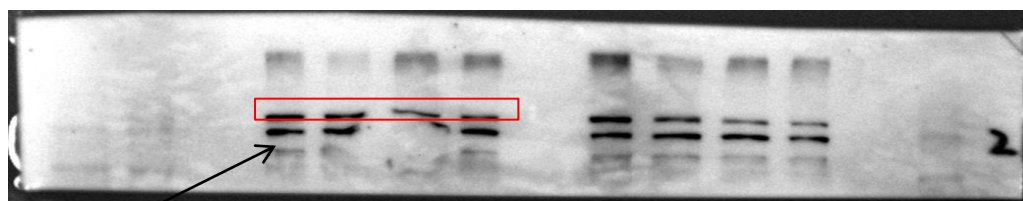
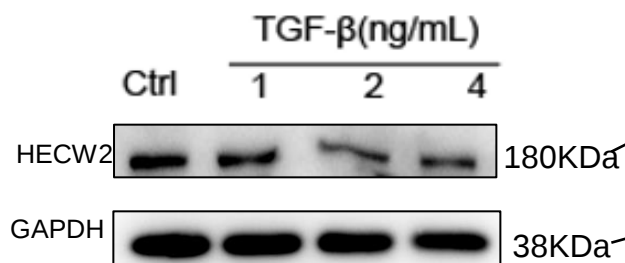


←150KDa

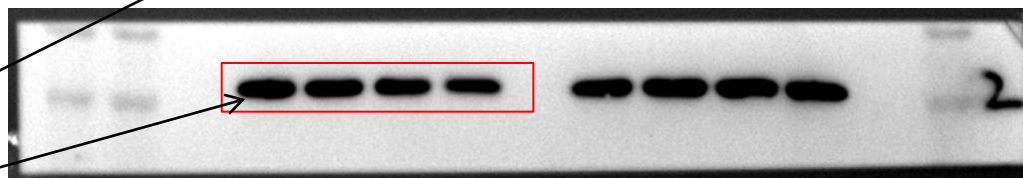


←35KDa

Repeat



←150KDa



←35KDa