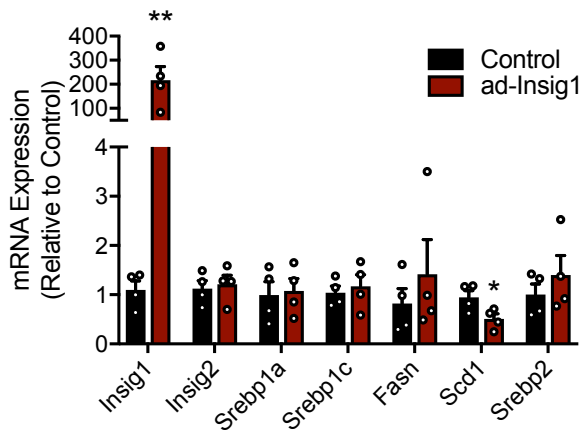
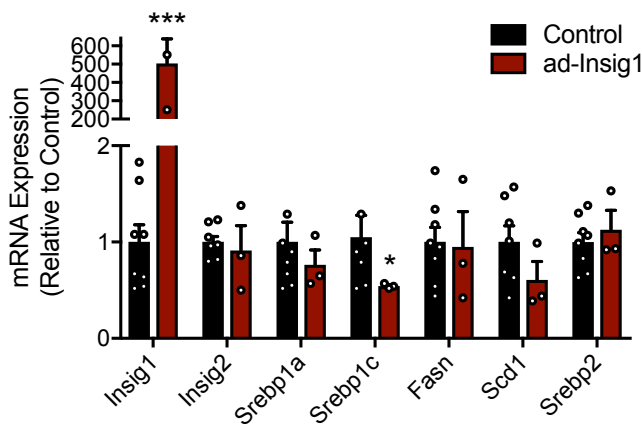
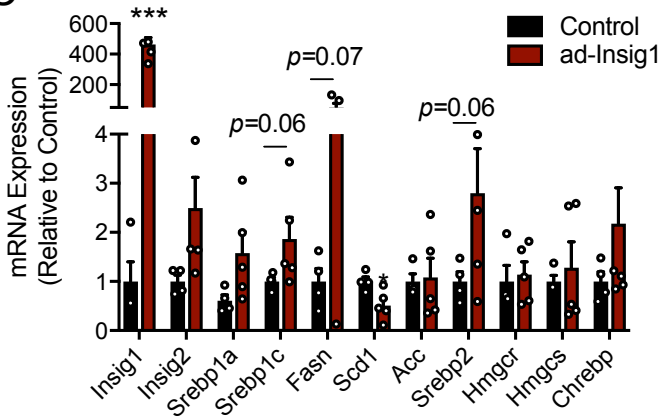
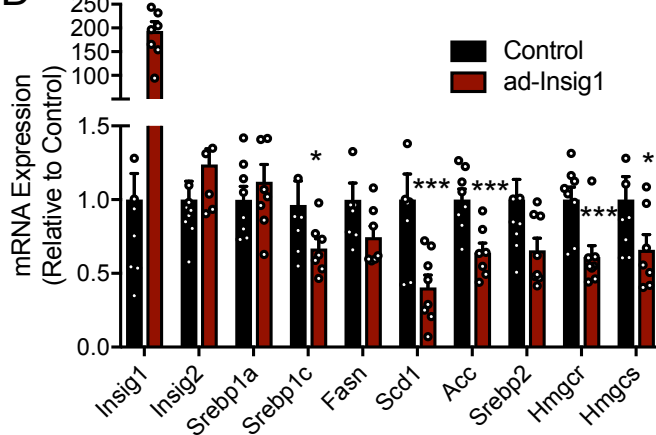


A**sWAT 16 wk HFD Dox****B****sWAT 1d Dox****C****sWAT 3 d Dox****D****BAT 3 d Dox**

ChREBP

$p = 0.08$

Density
(Relative to Control)

15
10
5
0

1d

Density
(Relative to Control)

1.0
0.5
0.0

2wk



Control
ad-Insig1

*

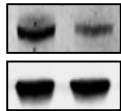
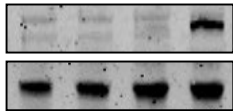
ChREBP

GAPDH

ad-Insig1:

1d

2wk



-

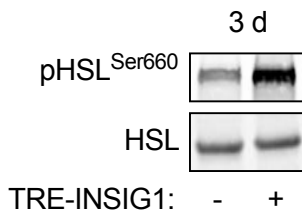
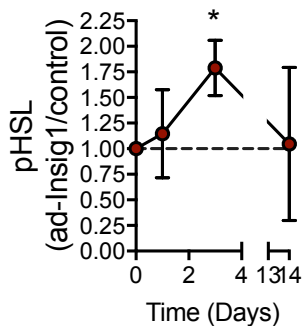
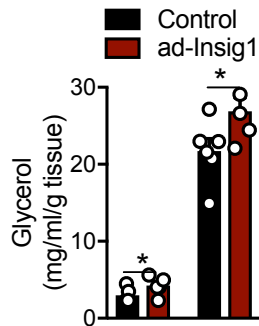
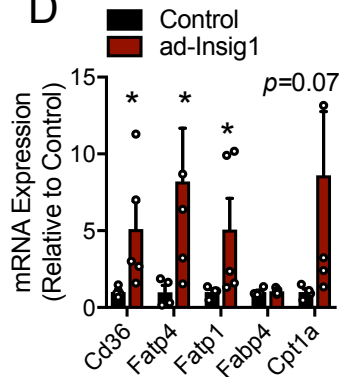
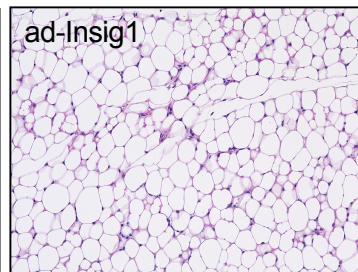
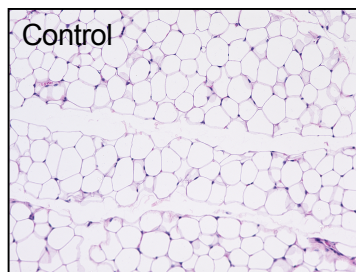
+

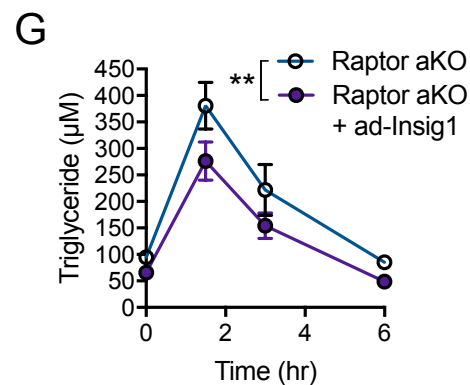
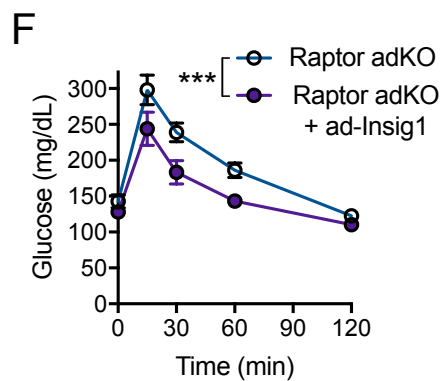
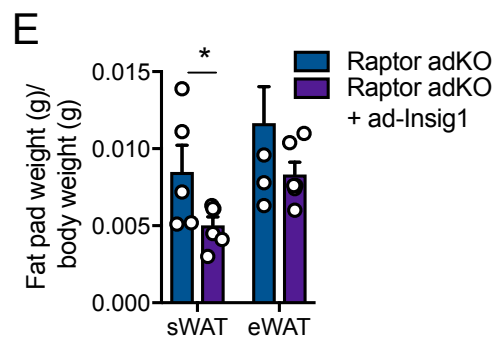
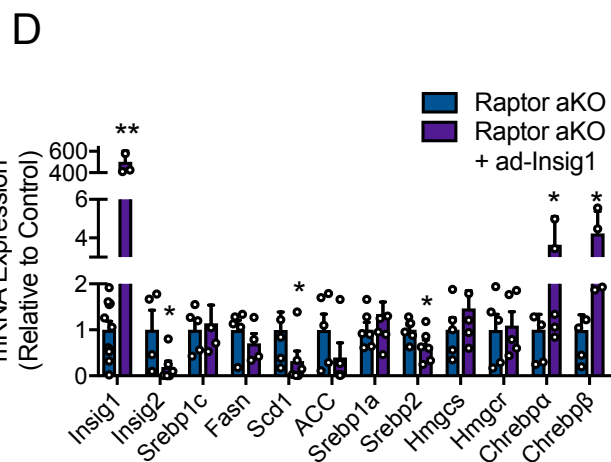
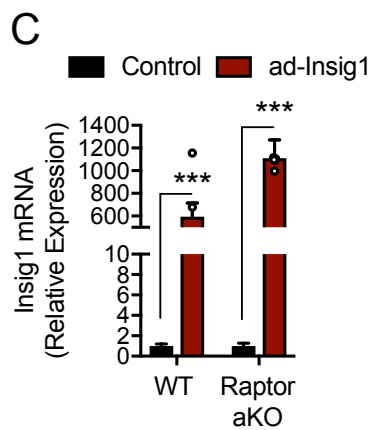
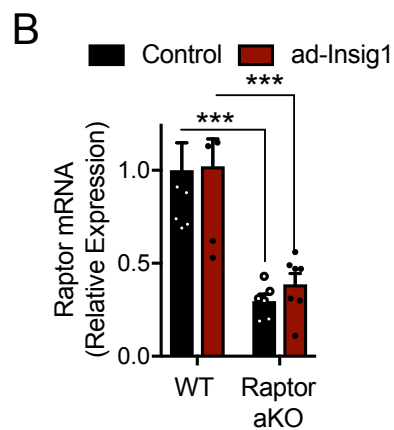
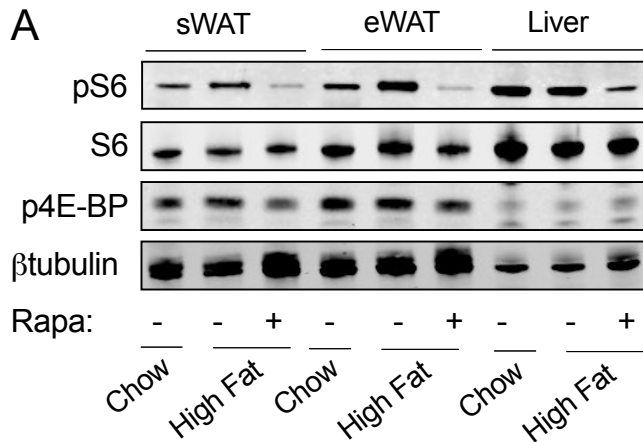
-

+

-

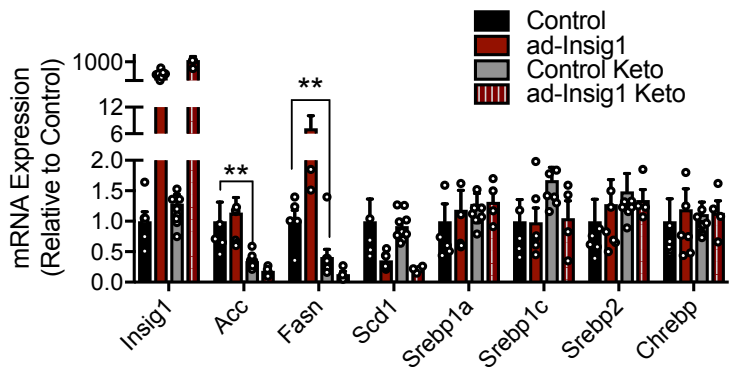
+

A**B****C****D****E**



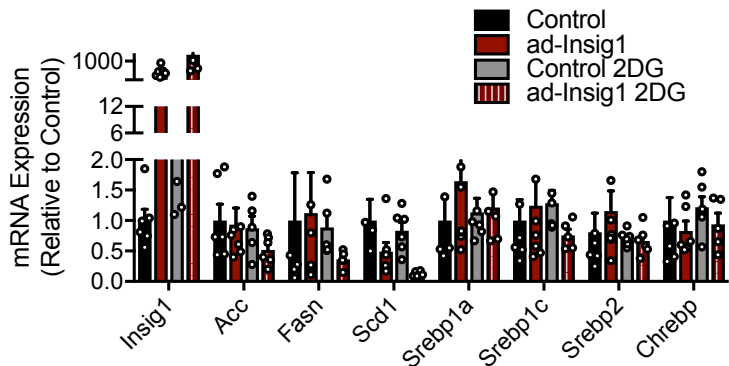
A

3 wk Ketogenic Diet



B

2wk 2-deoxy-glucose



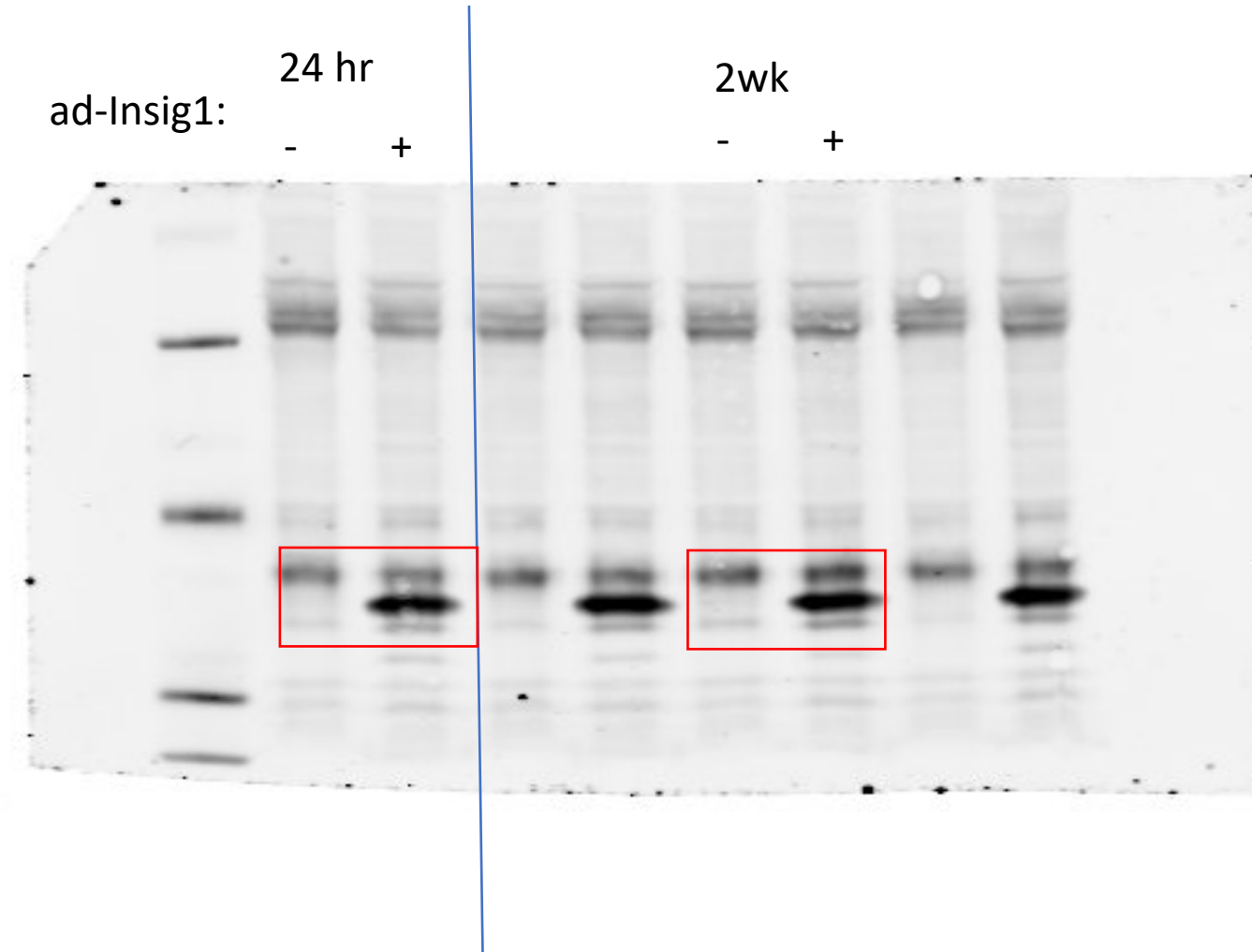
Antibody	Source	Catalogue number
ACC; Acetyl-CoA Carboxylase	Cell Signaling Technology	Cat#: 3676
AKT	Cell Signaling Technology	Cat#: 2920
CALR; Calreticulin	Cell Signaling Technology	Cat#: 12238
FASN; Fatty acid Synthase	Santa Cruz Biotechnology	Cat#: 48357
GAPDH; Glyceraldehyde 3-phosphate Dehydrogenase	Cell Signaling Technology	Cat#: 5174
GLUT5	Santa Cruz Biotechnology	Cat#: 271055
GLUT4		
H3; Histone 3	Cell Signaling Technology	Cat#: 4499
HSL; Hormone-sensitive Lipase	Cell Signaling Technology	Cat#: 4107
Insig1	Abcam	Cat#: 70784
pHSL; Hormone-sensitive Lipase	Cell Signaling Technology	Cat#: 4126
P4E-BP	Cell Signaling Technology	Cat#: 2855
p-AKT Thr308	Cell Signaling Technology	Cat#: 13038
p-AKT Ser473	Cell Signaling Technology	Cat#: 4060
pS6; Phospho-S6 Ribosomal Protein (Ser240/244)	Cell Signaling Technology	Cat#: 5364T
S6 Ribosomal Protein	Cell Signaling Technology	Cat#: 2217
SREBP1	Novus Biologicals	NB600-582
Donkey anti-rabbit IRDye 680RD	Li-cor	Cat#: 926-68073
Donkey anti-mouse IRDye 680RD	Li-cor	Cat#: 926-68072
Goat anti-rat IRDye 680RD	Li-cor	Cat#: 925-68076
Goat anti-rabbit IRDye 800CW	Li-cor	Cat#: 925-32211
Goat anti-mouse IRDye 800CW	Li-cor	Cat#: 926-32210

Target (<i>mus</i>)	Forward Primer Sequence	Reverse Primer Sequence
Acc	TGACAGACTGATCGCAGAGAAAG	TGGAGAGCCCCACACACA
Cat	ACCAGGGCATCAAAAACTTG	GCCCTGAAGCTTTTTGTCAG
Chrebp (MLXIPL)	AGATGGAGAACCGACGTATCA	ACTGAGCGTGCTGACAAGTC
Chrebp α (MLXIPL α)	CGACACTCACCCACCTCTTC	TTGTTCAGCCGGATCTTGTC
Chrebp β (MLXIPL β)	TCTGCAGATCGCGTGGAG	CTTGTCCCGGCATAGCAAC
CiC	GAGGCATCGAAATCTGCATCA	GGATGGAGCCGTAGAGCAA
Fasn	GCCAACTAACTACGGCTTC	GGATGTGTGCTACAGCTTTC
Gpx3	TGAGTGGTACCATCTACGAGT	GGCTACGTTGACAAAGAGGATA
Gpx7	CCTGCCTTCAAGTACCTAACC	CATGCTCCCACCACCTTT
Gpx8	CCAACAGCTTCTACTCCTTTGA	GCAGTCACTAGCCACGTTTA
Gstk1	CGCATCCTGGAACCTTTCTAC	CCGCAACTGCAGCTTTATATTC
Gsta4	CCCTTGGTTGAAATCGATGG	GAGGATGGCCCTGGTCTGT
Gstm1	CCTACATGAAGAGTAGCCGCTACAT	TAGTGAGTGCCCGTGTAGCAA
Gstp1	CCTTGGCCGCTCTTTGG	GGCCTTCACGTAGTCATTCTTACC
Hmgcr	CTTGTGGAATGCCTTGTGATTG	AGCCGAAGCAGCACATGAT
Hmgcs	GCCGTGAACTGGGTGCGAA	GCATATATAGCAATGTCTCCTGCAA
Insig1	CGCTGATCACTCAGTTTCTT	AGCTAACTGTCGTCCTATGT
Insig2		
Insig2		
mGst1	GCTTTGGCAAGGGAGAGAATG	CCTTCTCGTCAGTGCGAACA
mGst2	TGCAGCCTGTCTGGGTCTC	CAGAAATACTTGTGACGGGCG
mGst3	GGAGGTGTACCCTCCCTTCC	TGGTAAACACCTCCCACCGT
Rptor	CAGTCGCCTCTTATGGGACTC	GGAGCCTTCGATTTTCTCACA
Scd1	CCGGGAGAATATCCTGGTTT	CAGAGTAGTCGAAGGGGAAG
Sod1	ACCAGTGCAGGACCTCATTTTAA	TCTCCAACATGCCTCTCTTCATC
Sod2	CACATTAACGCGCAGATCATG	CCAGAGCCTCGTGGTACTTCTC
Sod3	CTCTGTCAACATGTCAAATCCA	CGTGTGCGCTATCTTCTCAAC
SREBP1a	GAAGCTGTCGGGGTAGCGT	AATGTGCAATCCATGGCTCCG
SREBP1c	GGCCGAGATGTGCGAACT	TTGTTGATGAGCTGGAGCATGT
SREBP2	GCGTTCTGGAGACCATGGA	ACAAAGTTGCTCTGAAAACAAATCA

Full, uncropped Western Blots for Representative Figures

Full Unedited gel for **Figure 1C**

Insig1

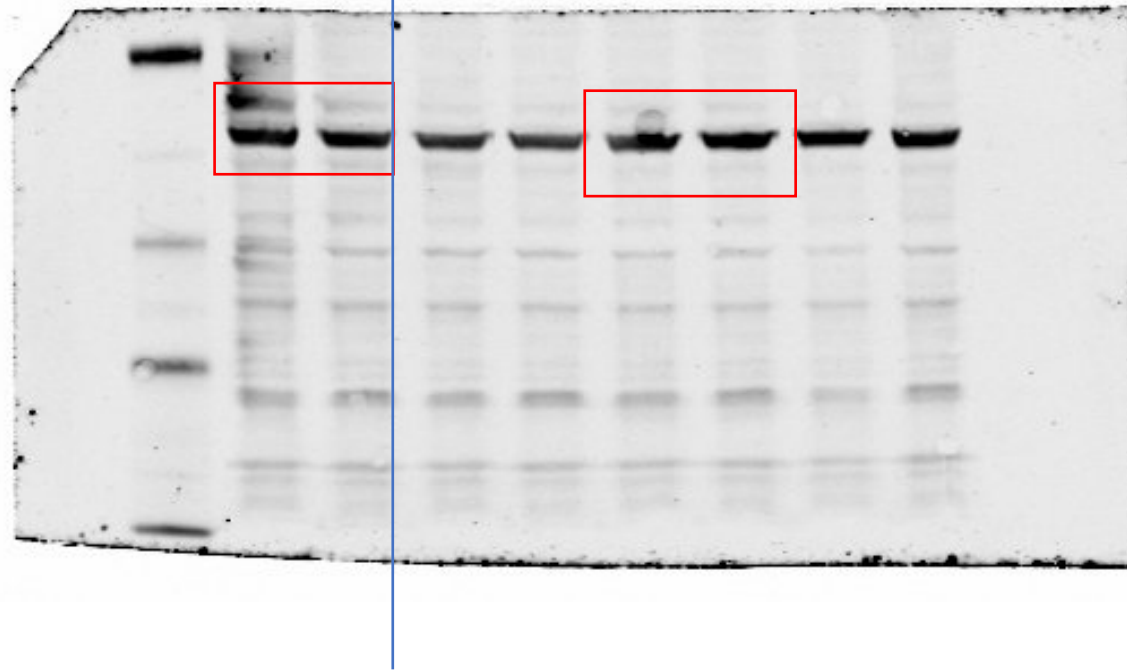


Full Unedited gel for **Figure 1C**

CALR

24 hr
ad-Insig1: - +

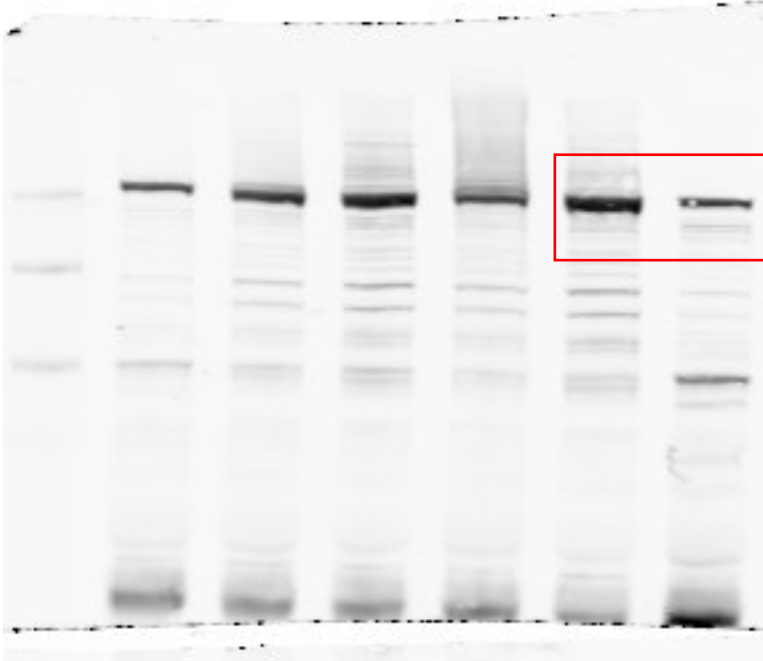
2wk
- +



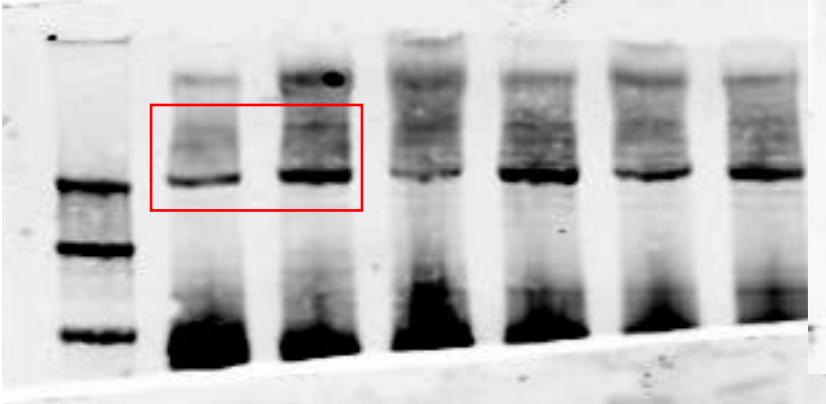
Full Unedited gel for **Figure 11**

FASN

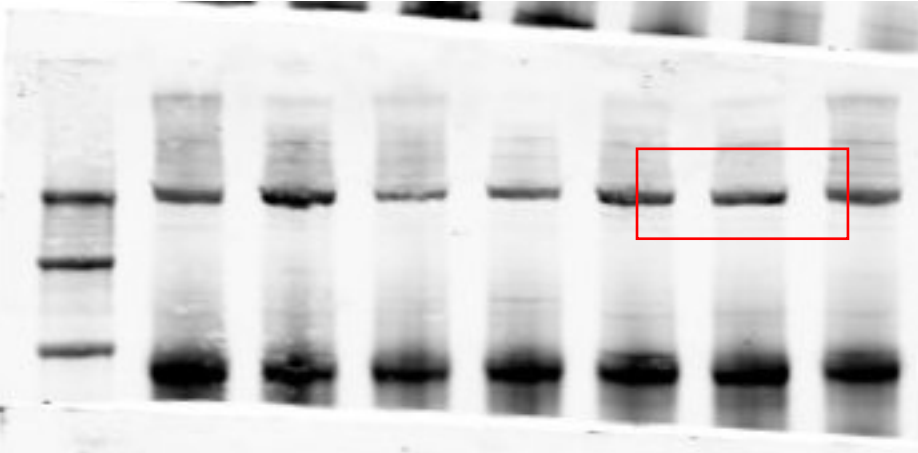
12
hr
ad-Insig1: - +



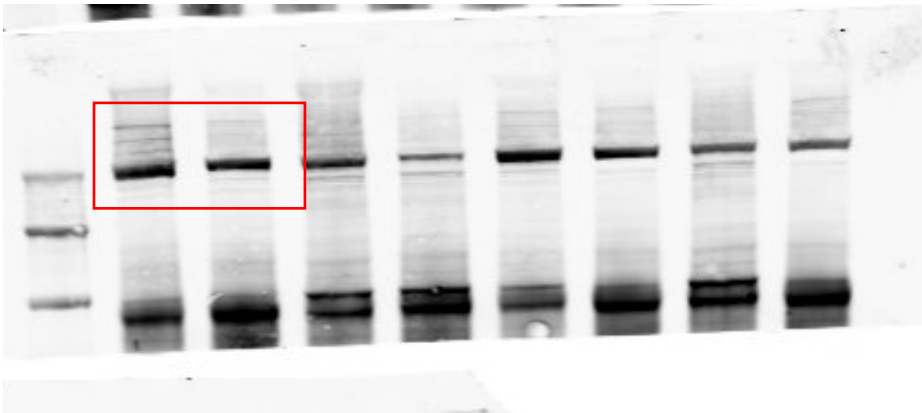
1d
ad-Insig1: - +



3d
ad-Insig1: - +

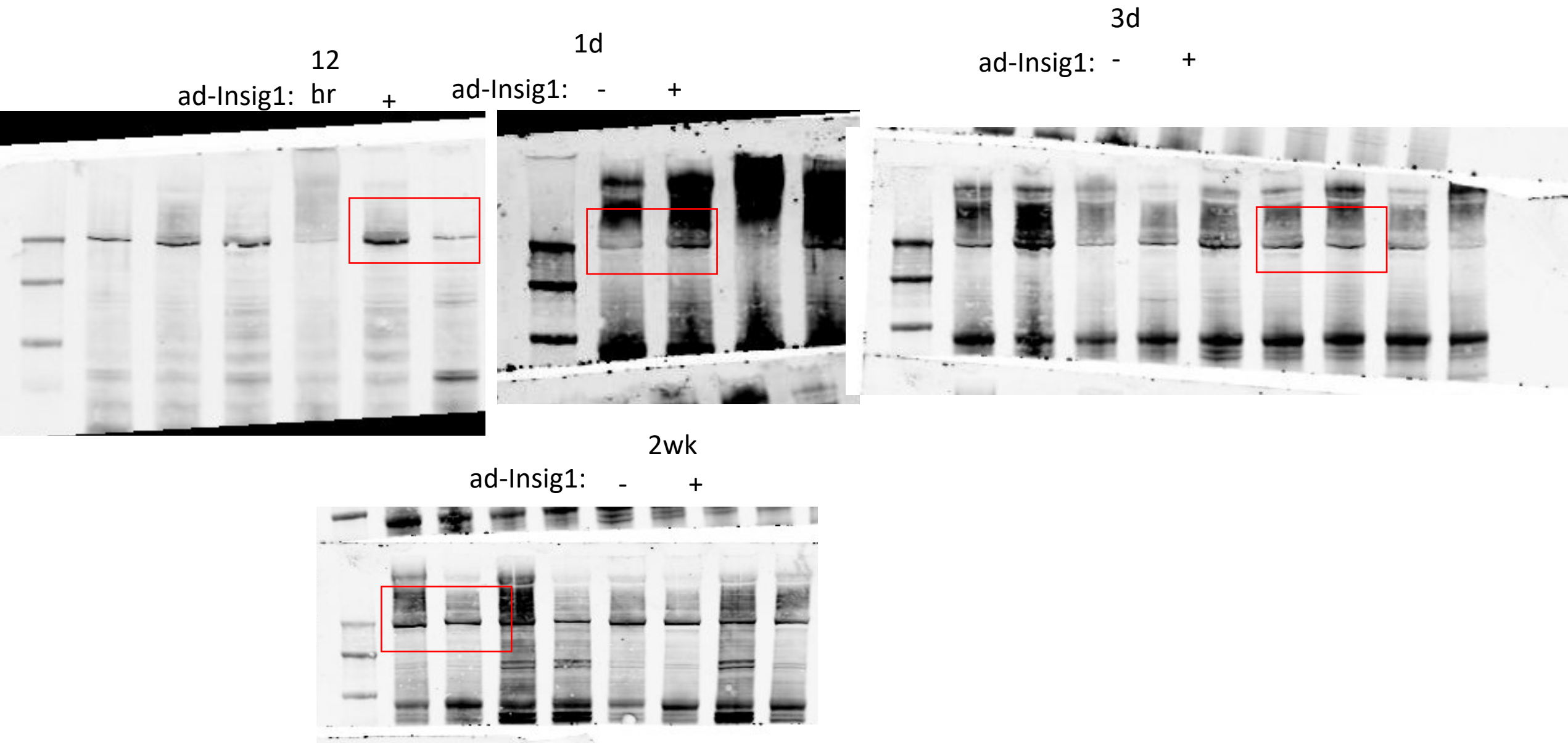


2wk
ad-Insig1: - +



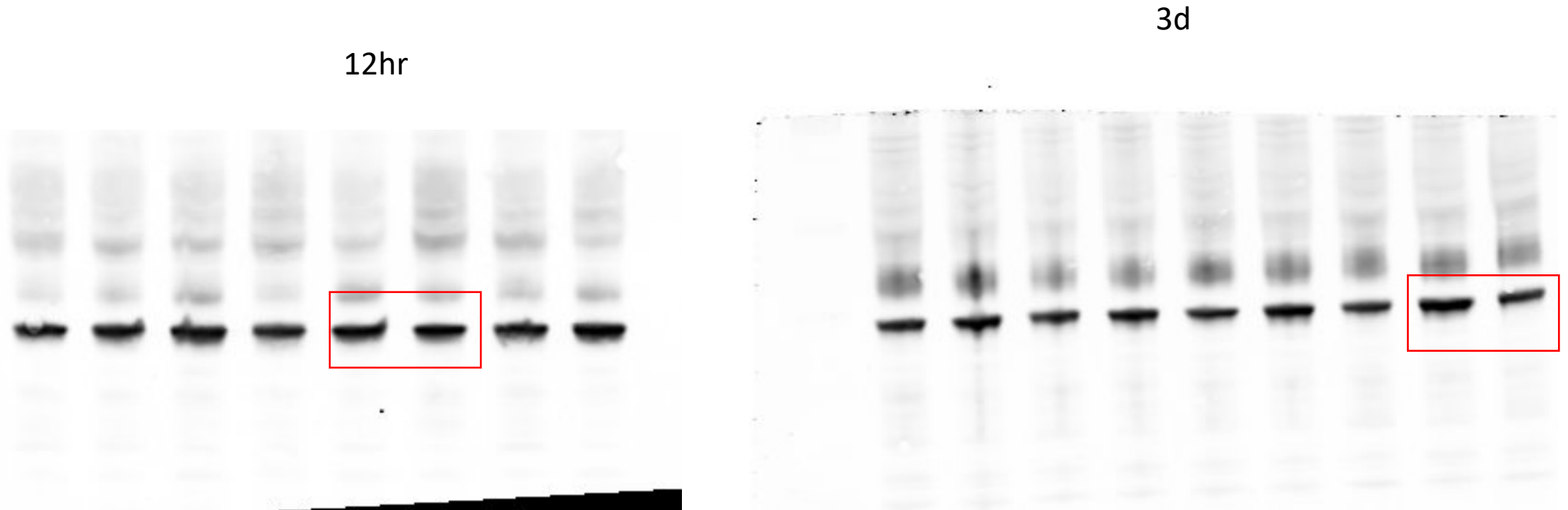
Full Unedited gel for **Figure 1I continued**

ACC



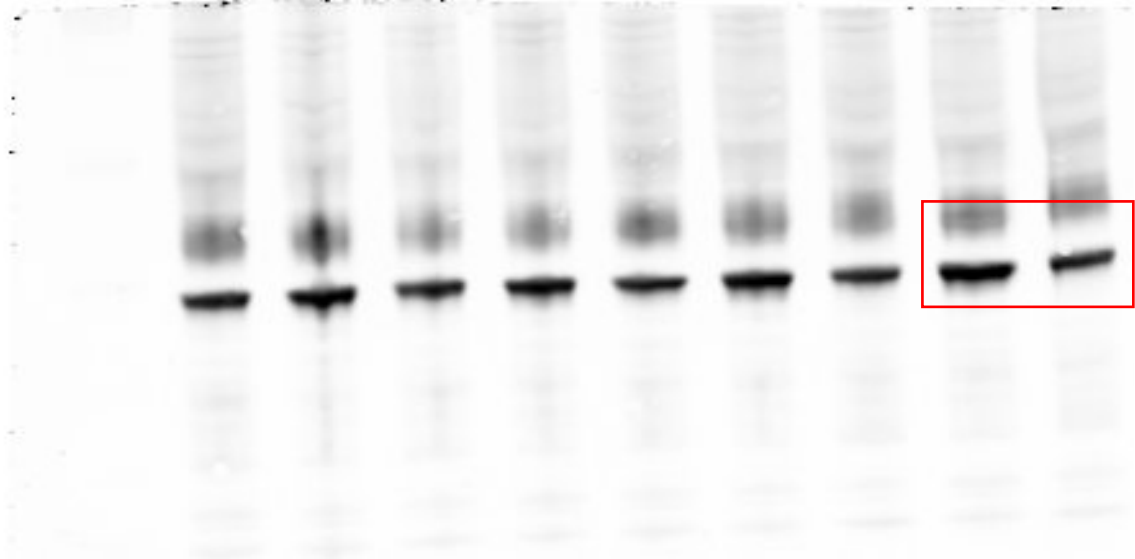
Full Unedited gel for **Figure 1I continued**

GAPDH All GAPDH gels for this experiment were run separately from FASN and ACC, using the same WB sample. The lanes used correspond to the same samples shown in the rest of the panel although they may be in a different order. Samples were re-run for publication quality.

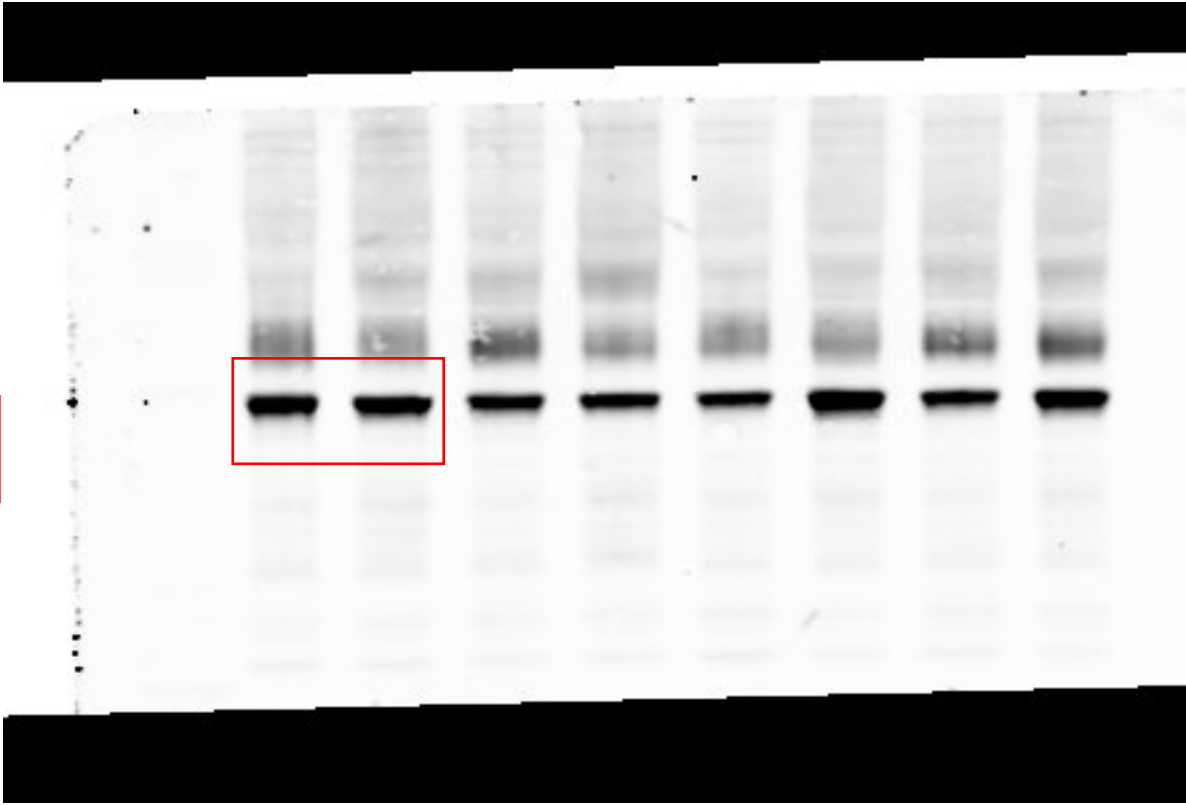


Full Unedited gel for **Figure 1I continued**
GAPDH

3d

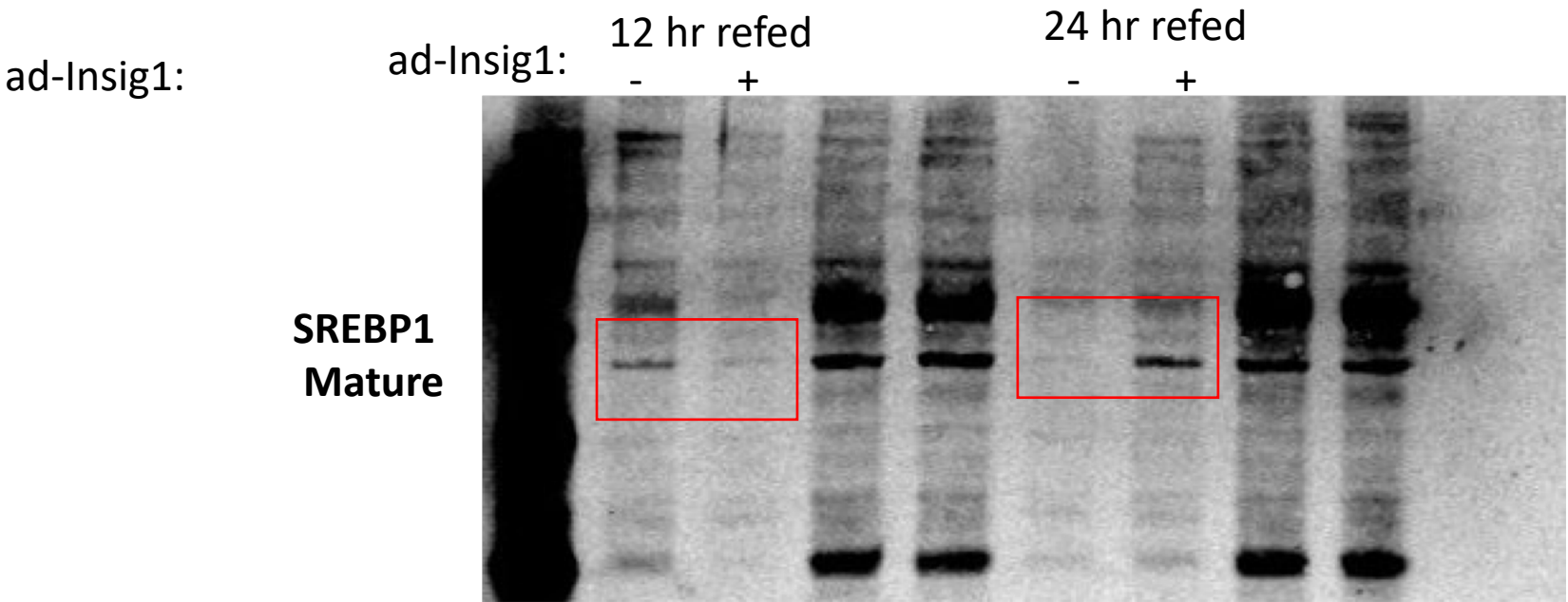
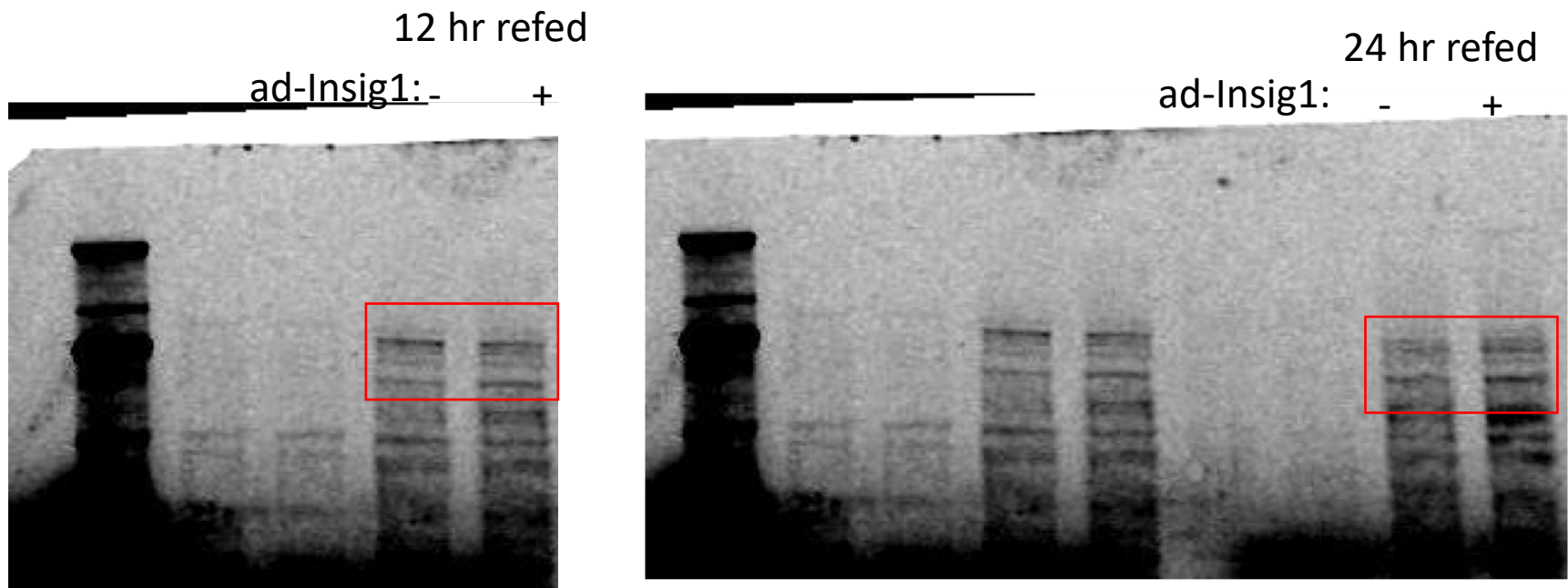


3wk



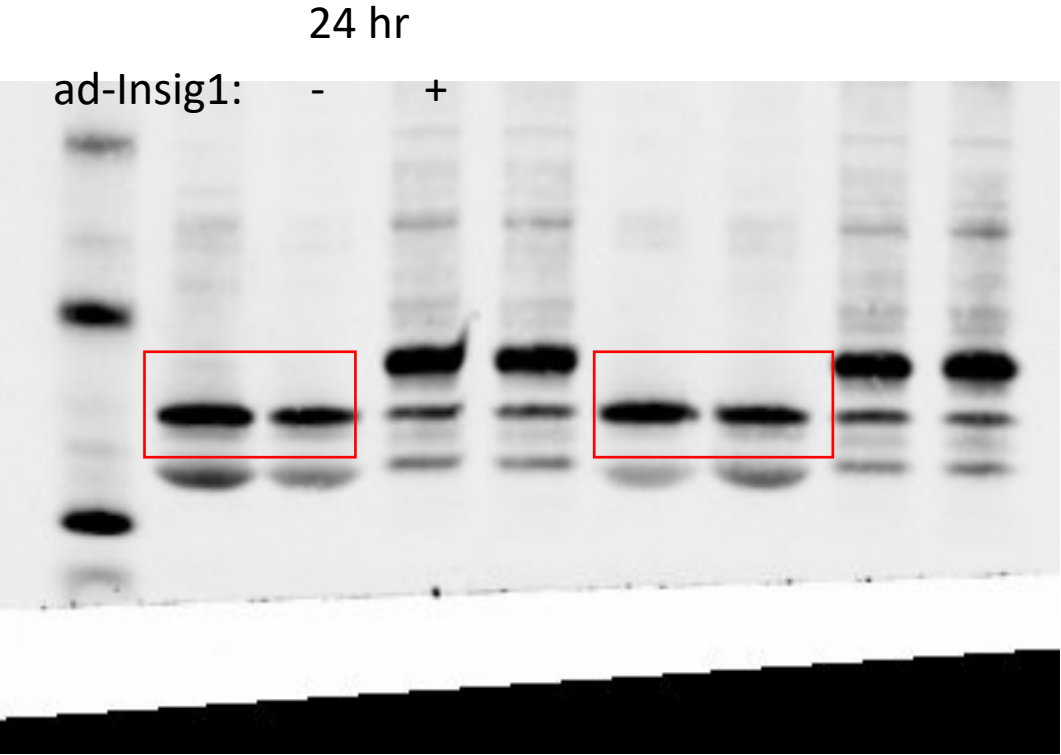
Full Unedited gel for **Figure 1J**

**SREBP1
precursor**

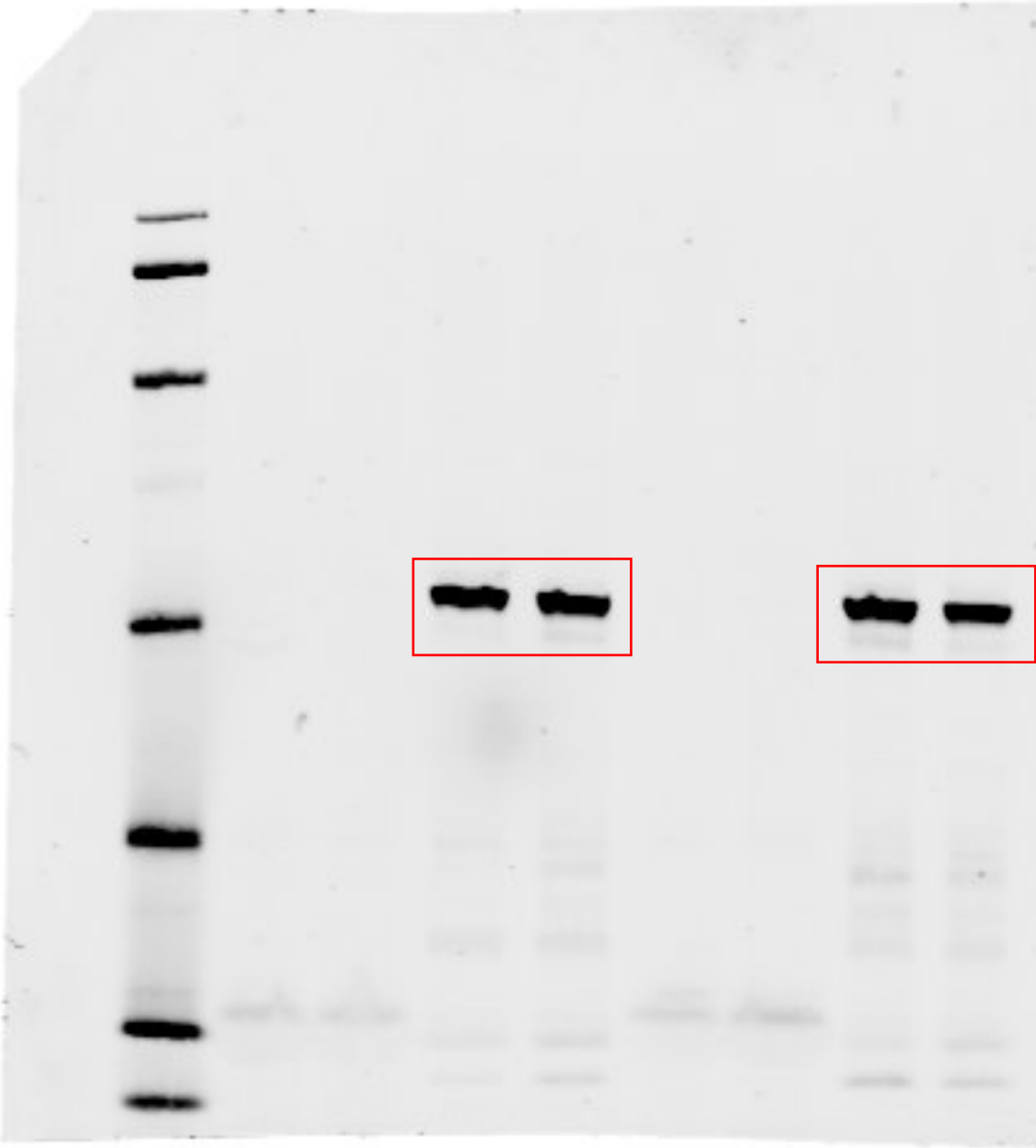


Full Unedited gel for **Figure 1J**

H3



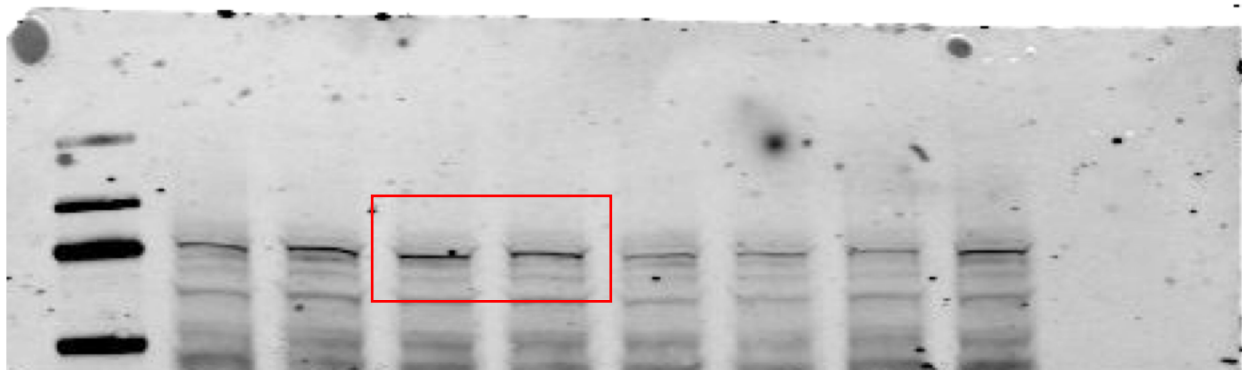
CaIR



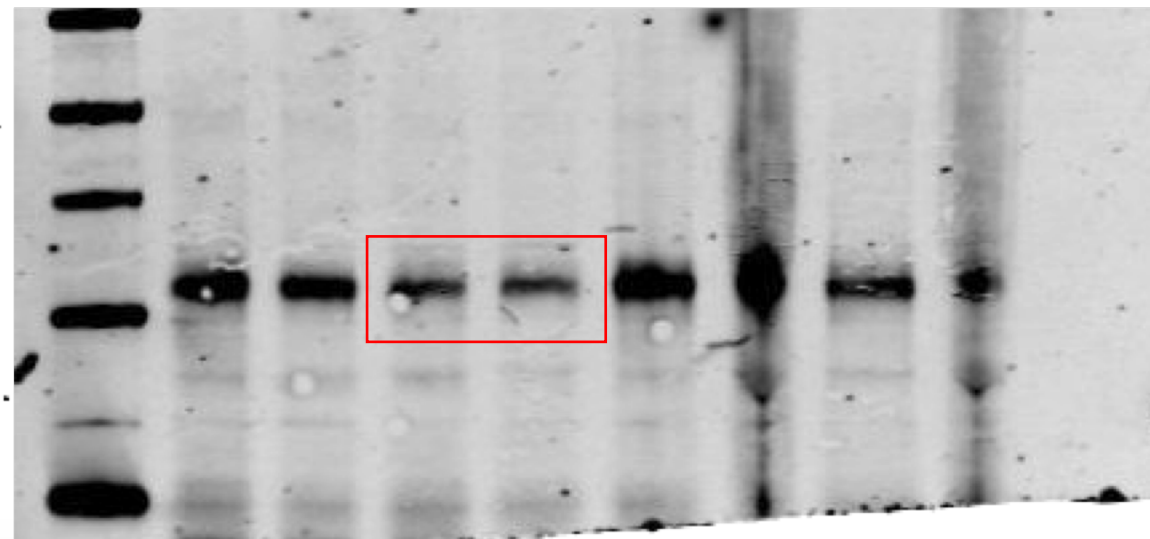
Full Unedited gel for **Figure 1J**

2wk fed

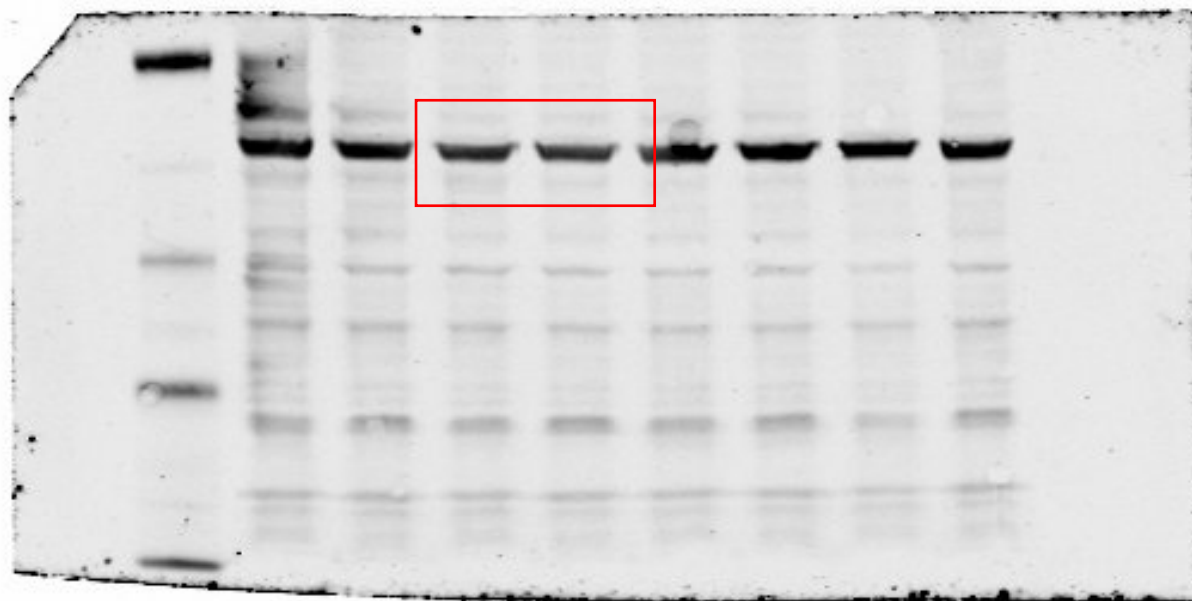
SREBP1
Precursor



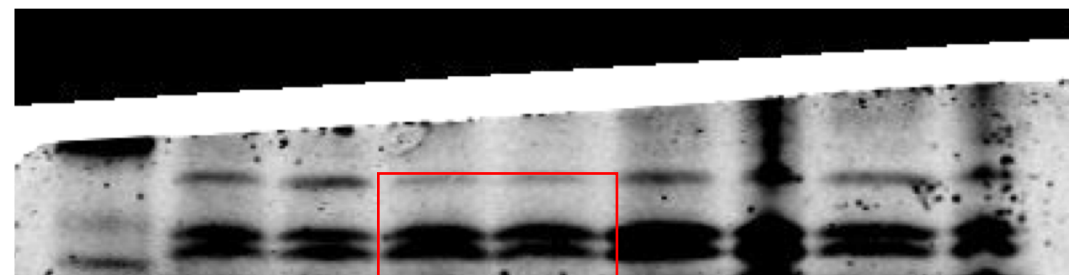
SREBP1
Mature



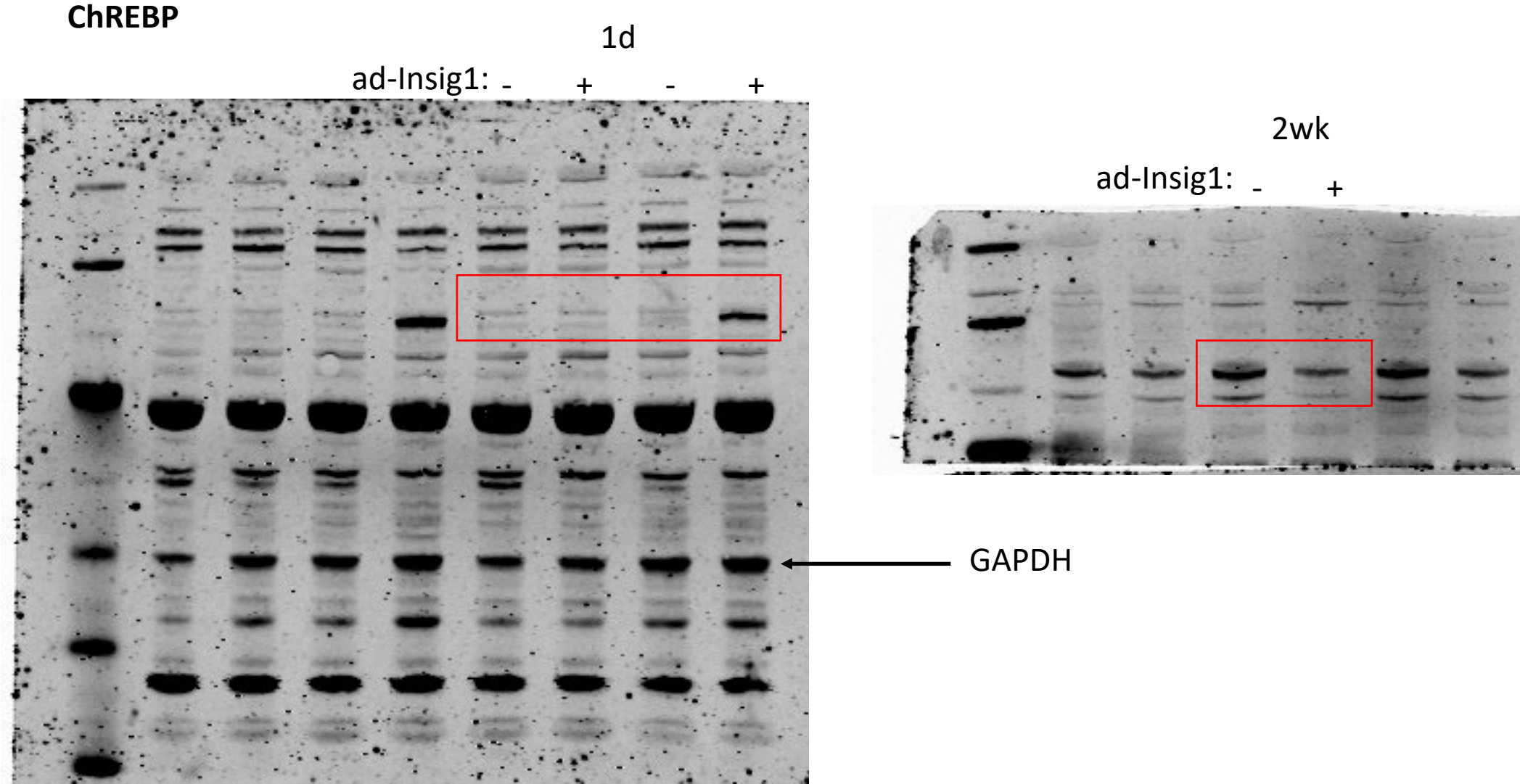
CALR – reran with samples for figure 1 C for publication



H3



Full Unedited gel for **Figure S2**



Full Unedited gel for **Figure S2**

GAPDH

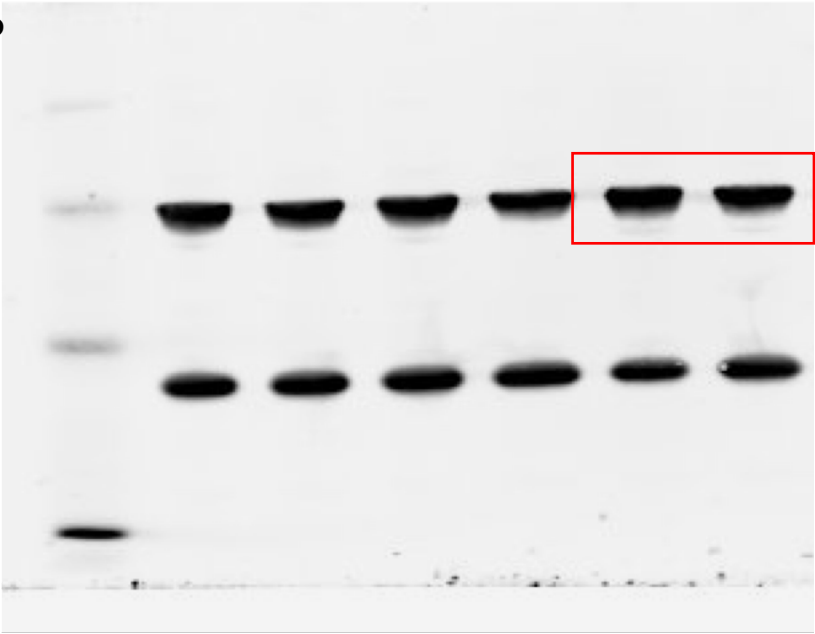
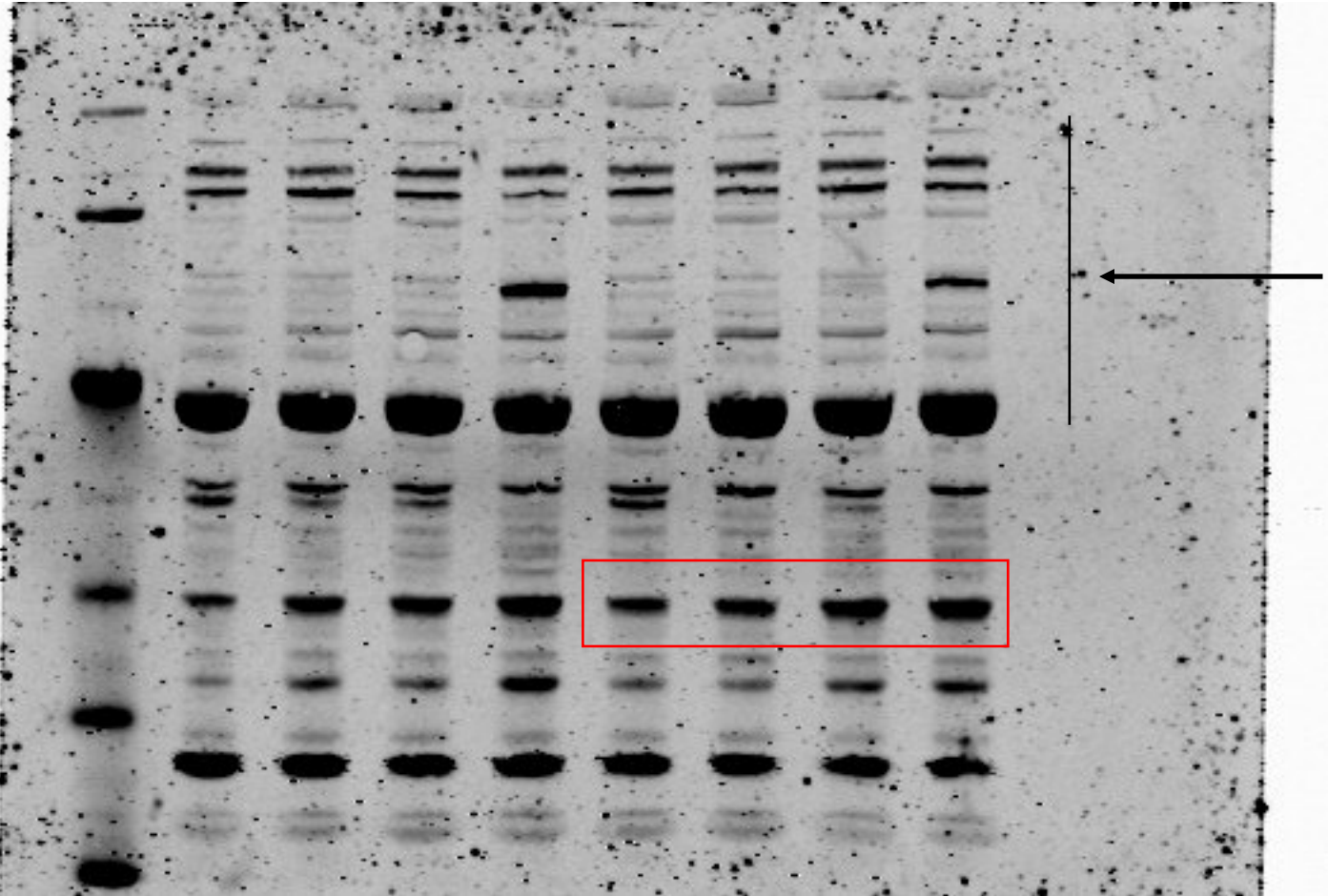
ad-Insig1: - + - +
1d

2wk

ad-Insig1: - +

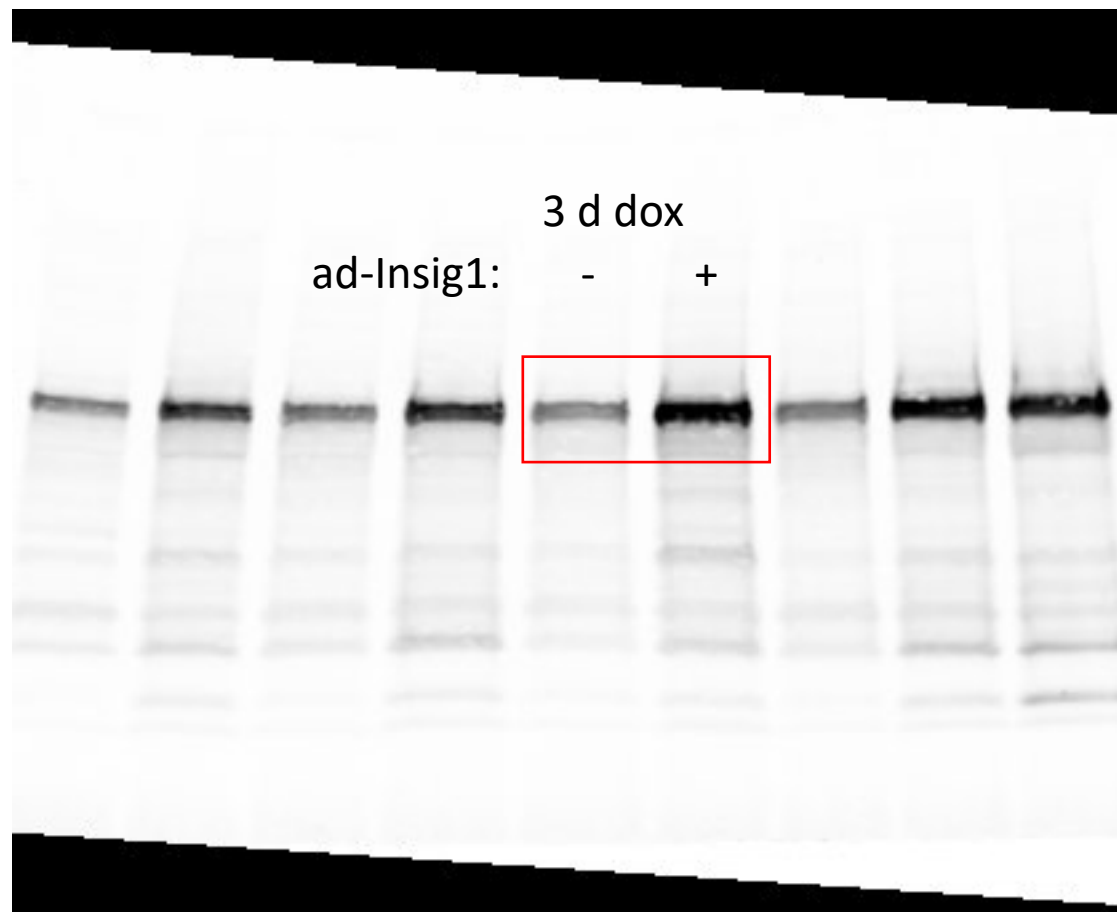
– reran with samples for figure 5C for publication

Old ChREBP
antibody

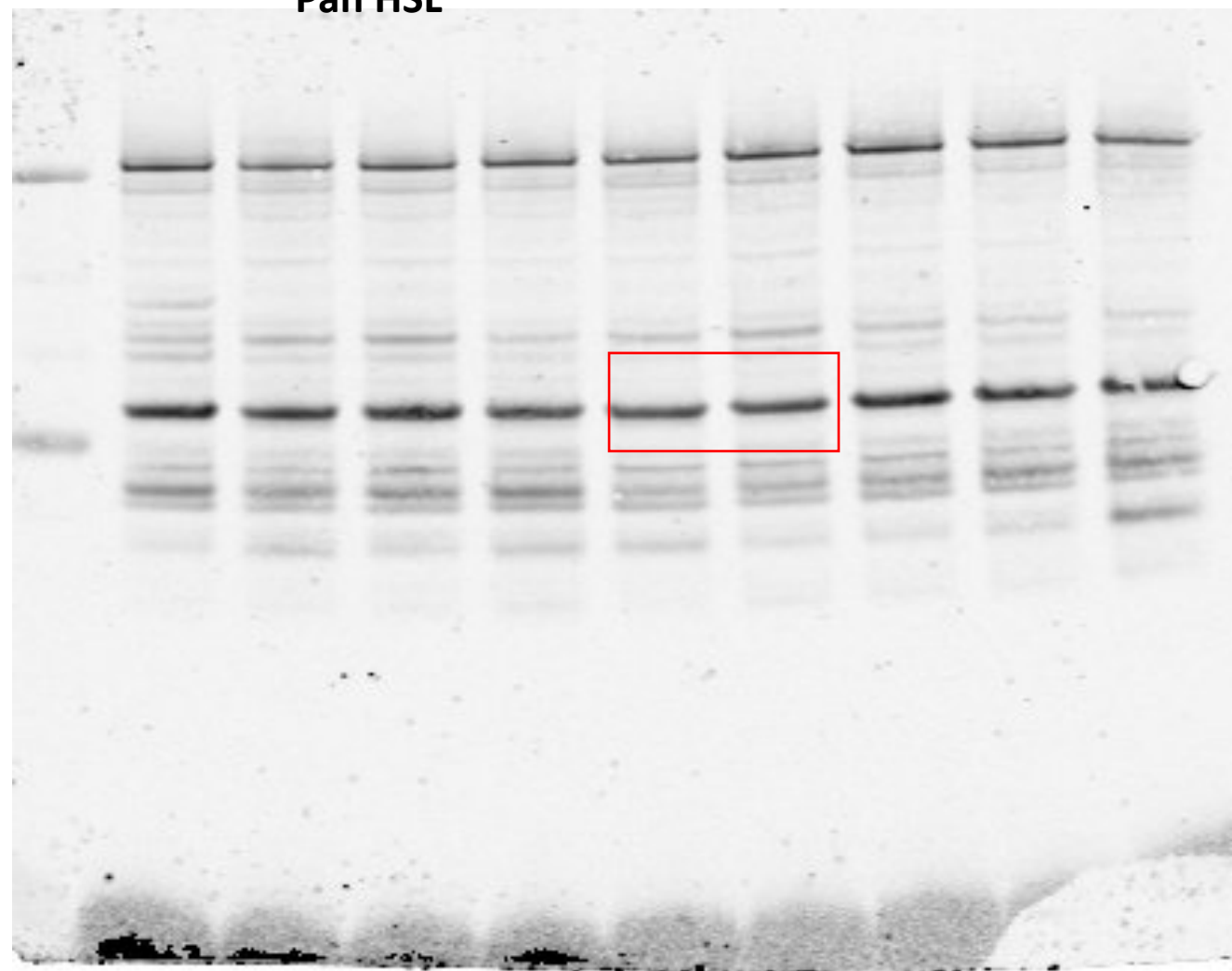


Full Unedited gel for **Figure S3**

P-HSL



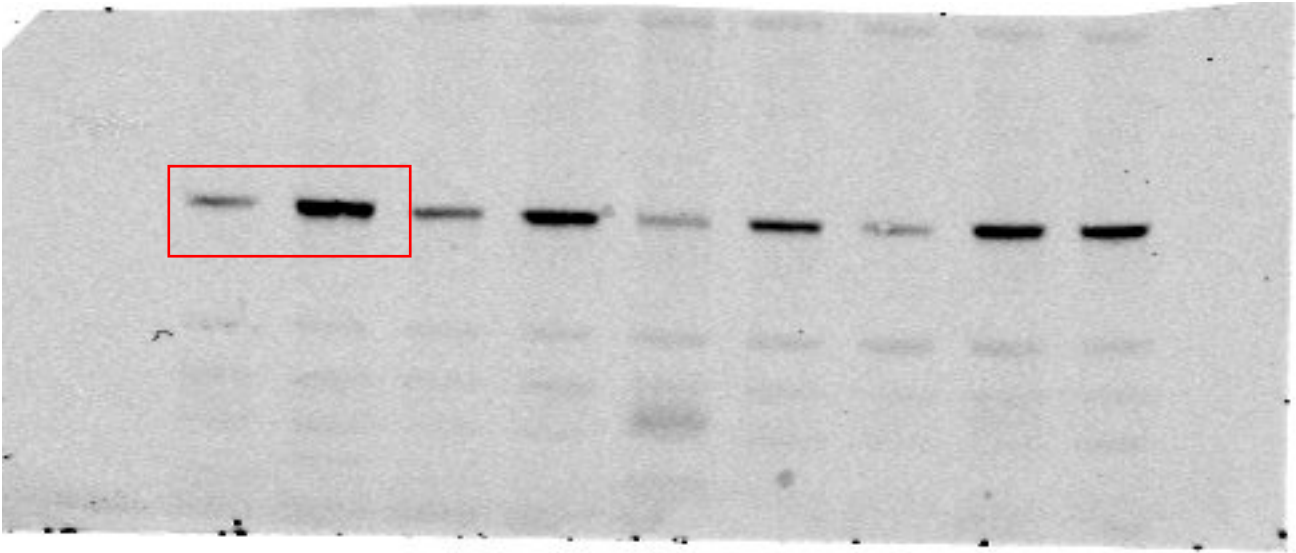
Pan HSL



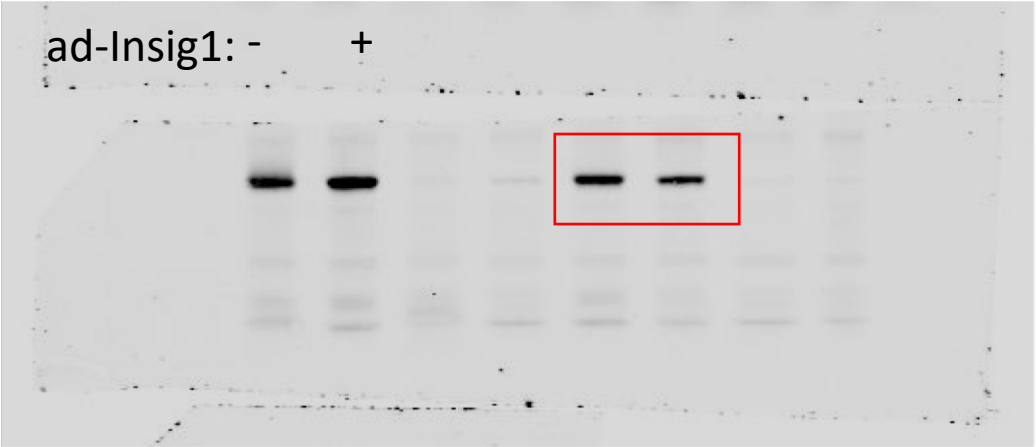
Full Unedited gel for **Figure 3A**

Phospho-S6

12 hr
ad-Insig1: - +



2wk
ad-Insig1: - +

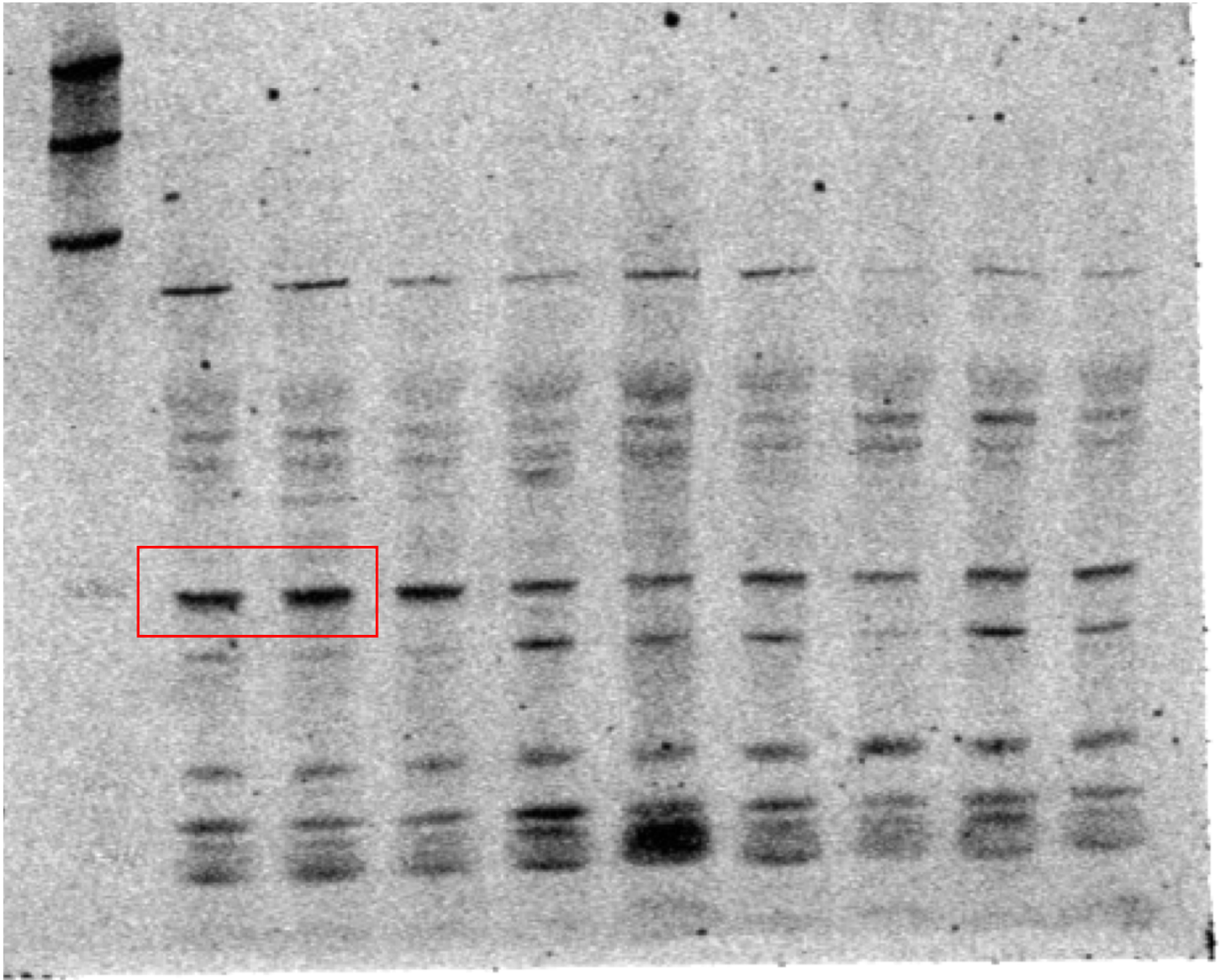


Full Unedited gel for **Figure 3A**

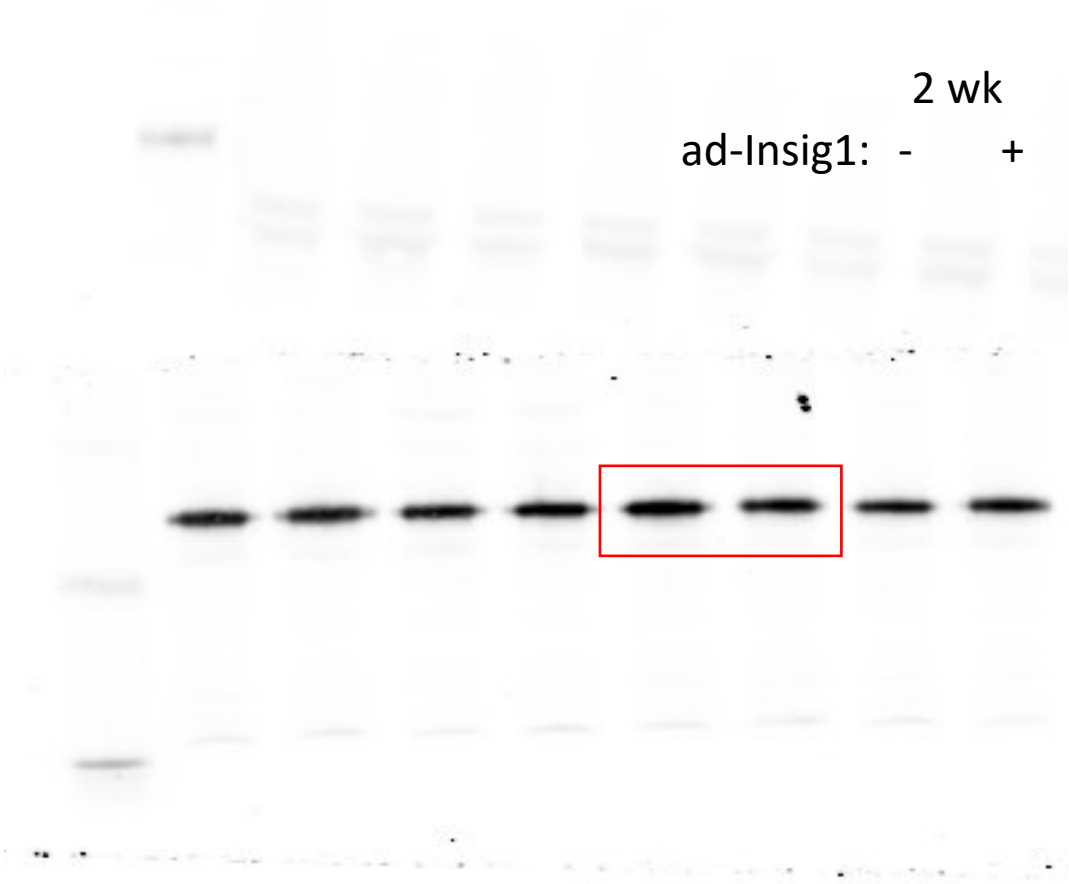
Pan S6

ad-Insig1: 12 hr

- +



2 wk
ad-Insig1: - +

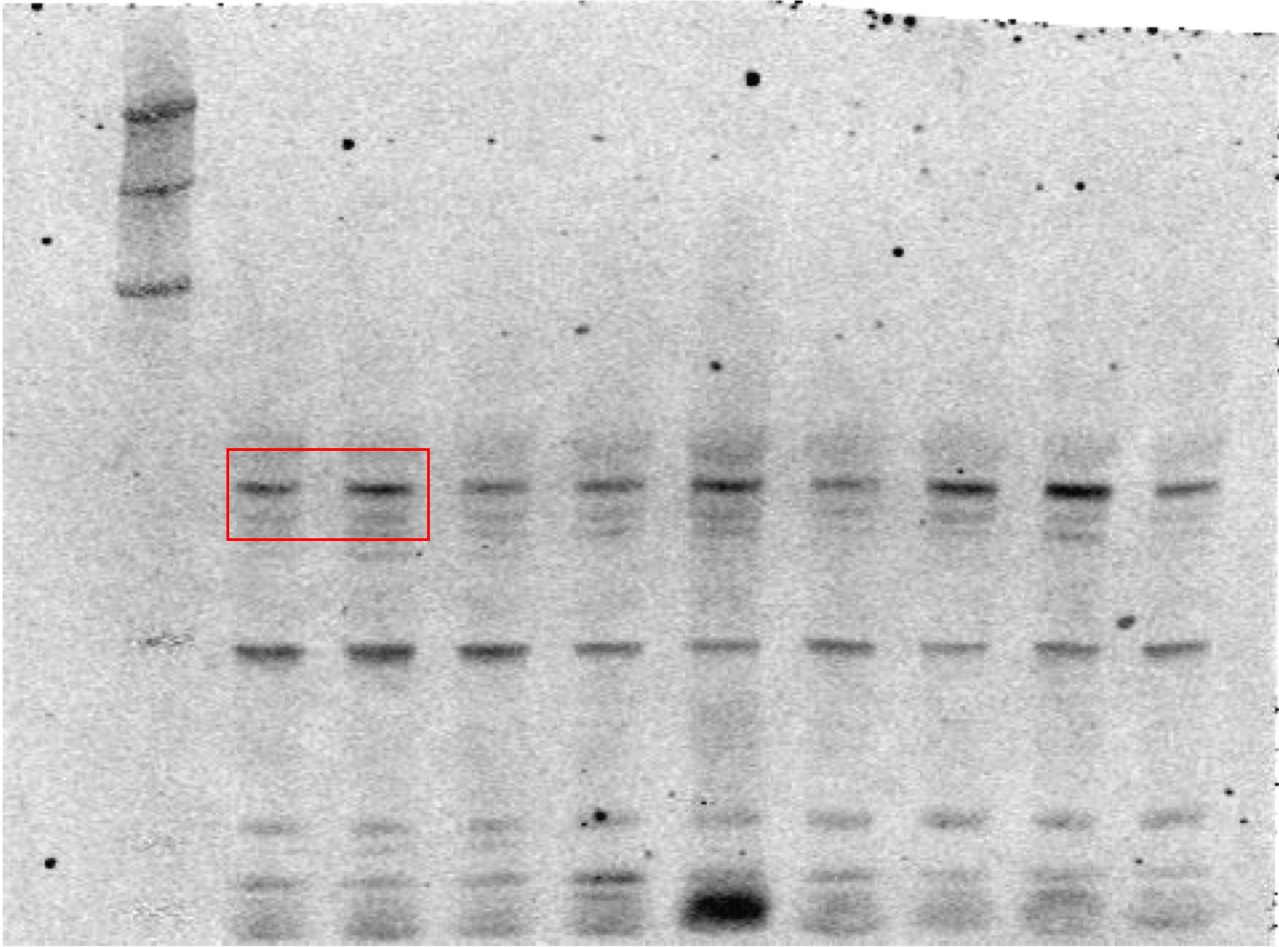


Full Unedited gel for **Figure 3A**

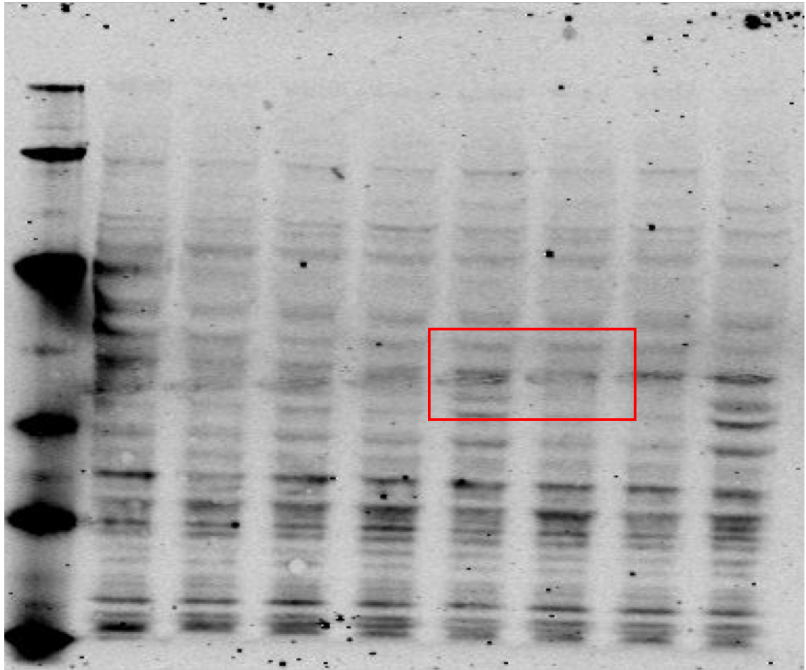
P-AKT Thr308

12 hr

ad-Insig1: - +

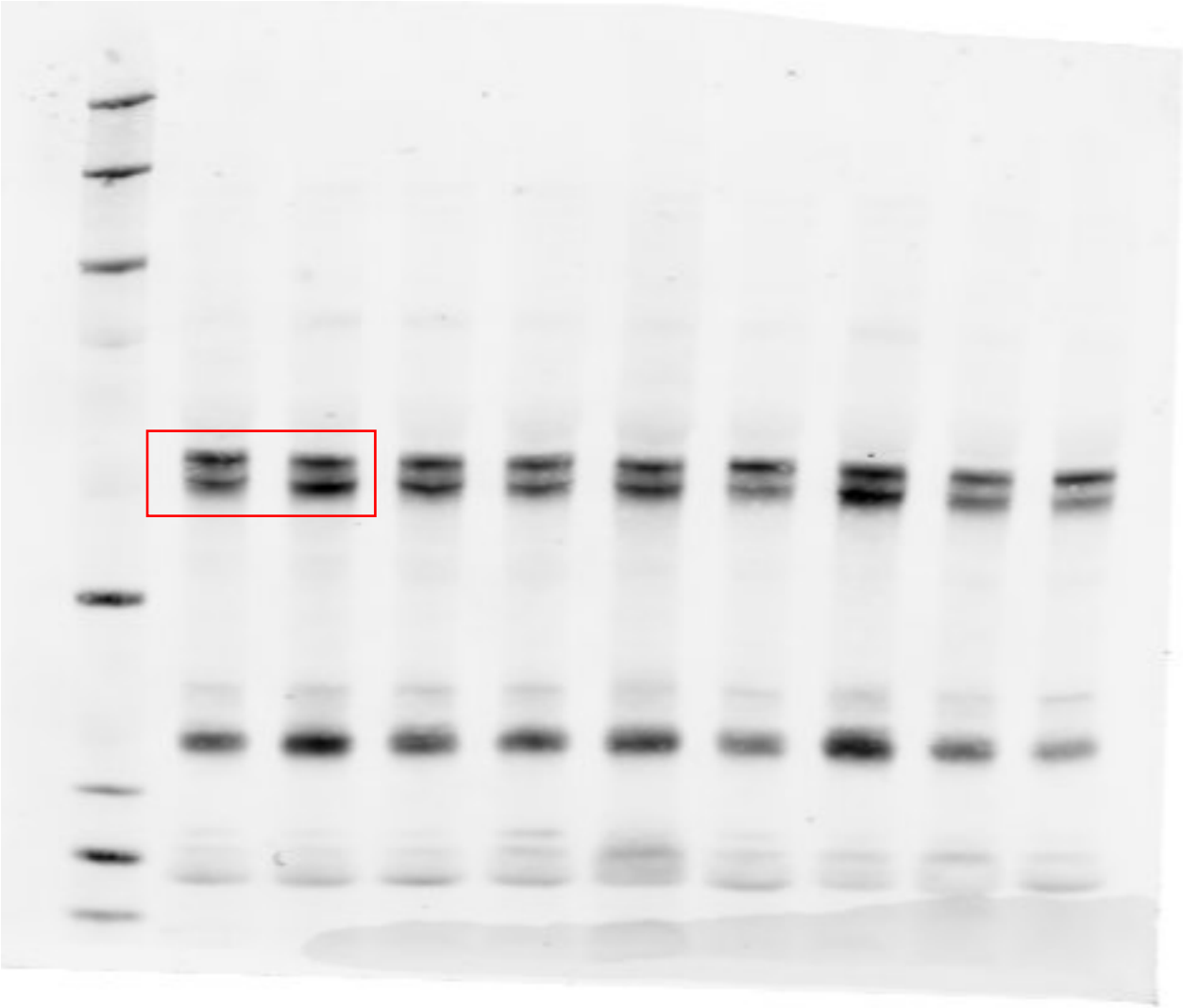


ad-Insig1: - + 2wk

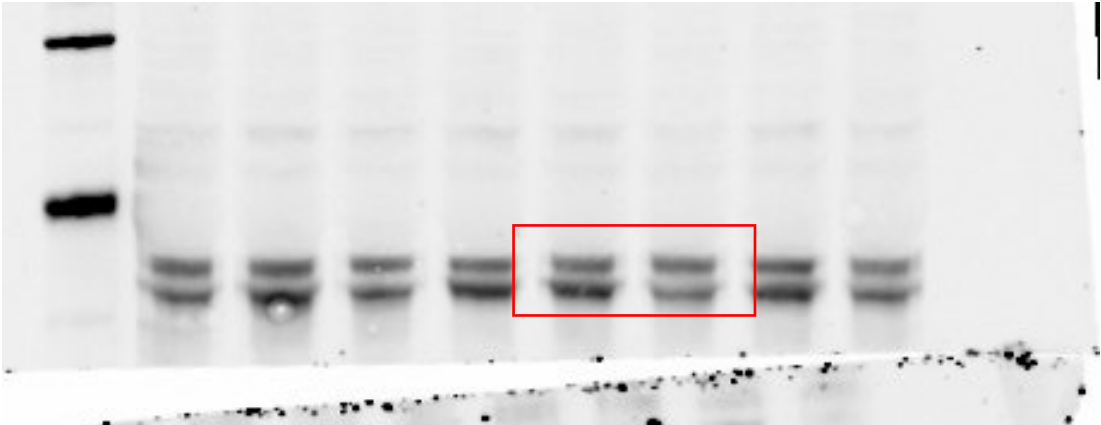


Full Unedited gel for **Figure 3A**

Pan AKT
ad-Insig1: 12 hr
 - +

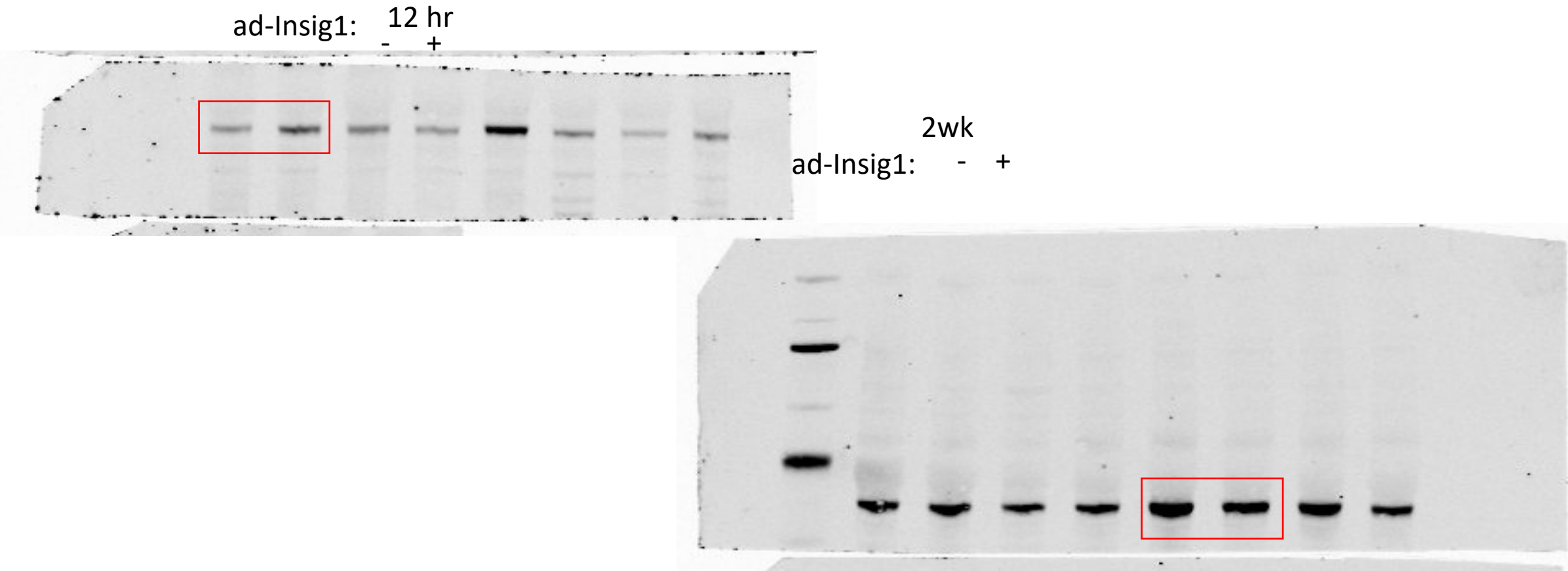


2wk
ad-Insig1: - +

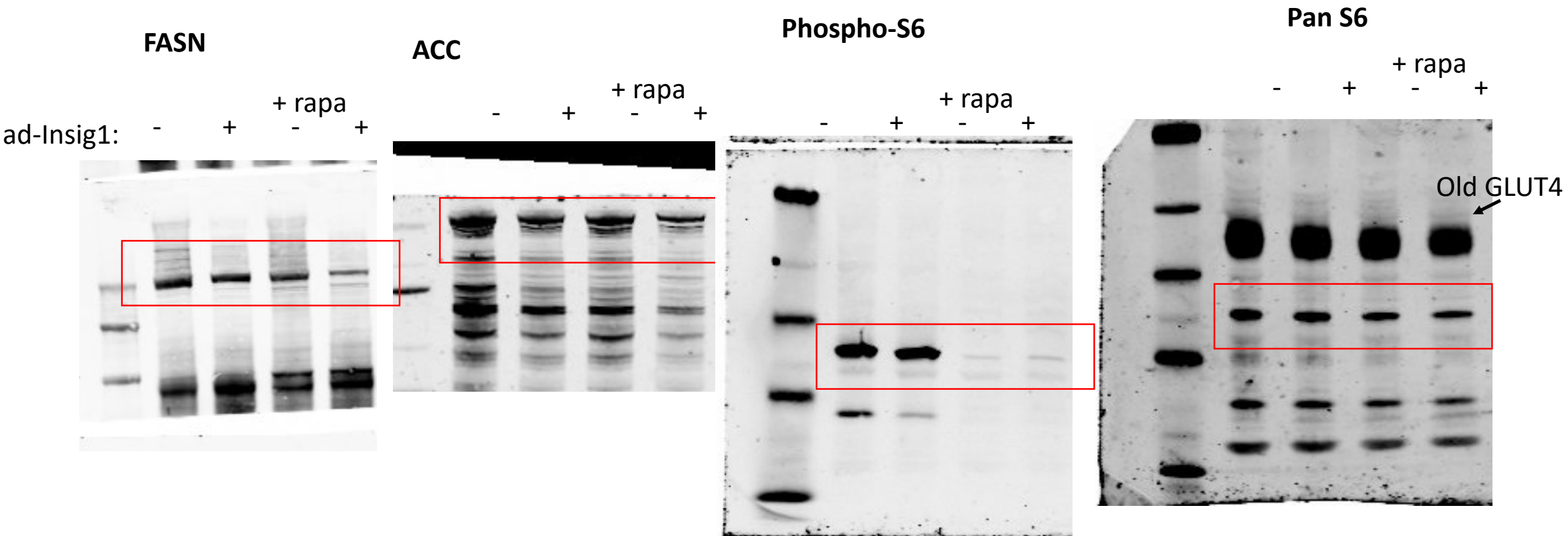


Full Unedited gel for **Figure 3A**

pAKT ser473

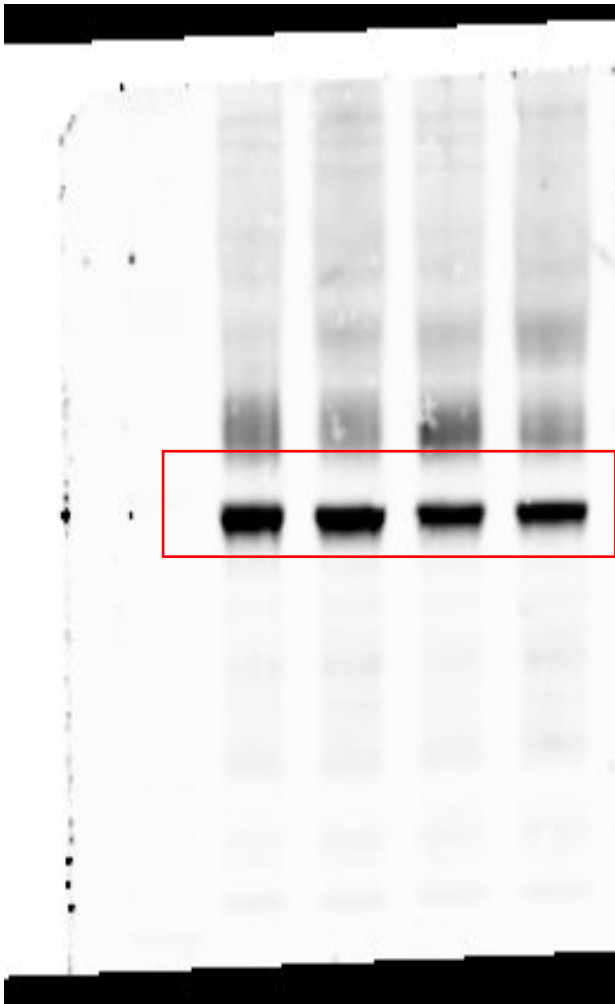


Full Unedited gel for **Figure 3E**

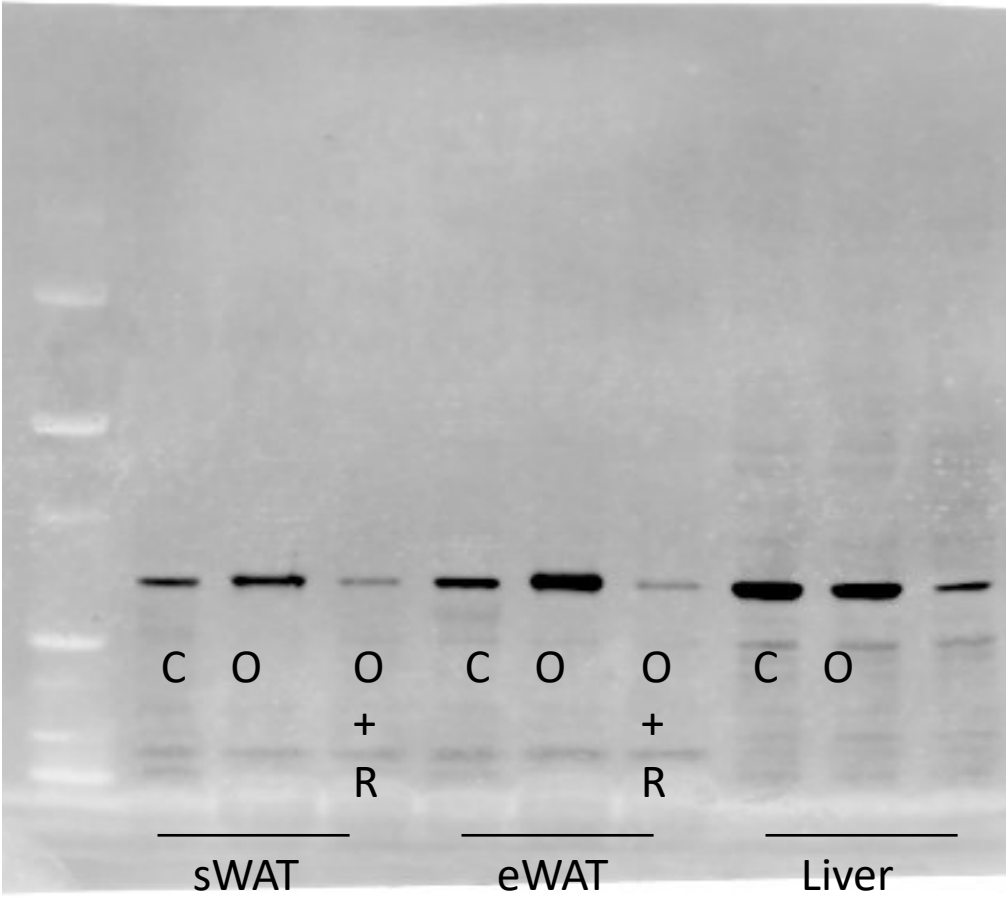


Full Unedited gel for **Figure 3E**

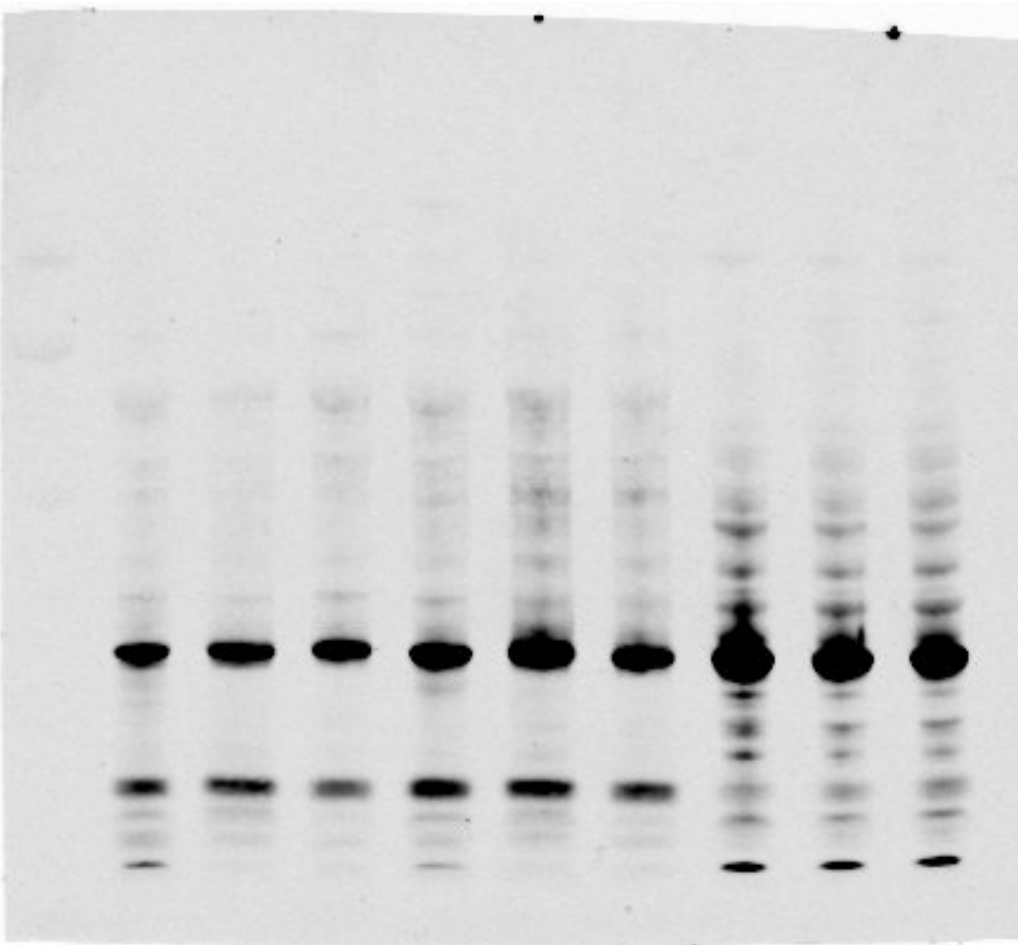
GAPDH



Phospho-S6

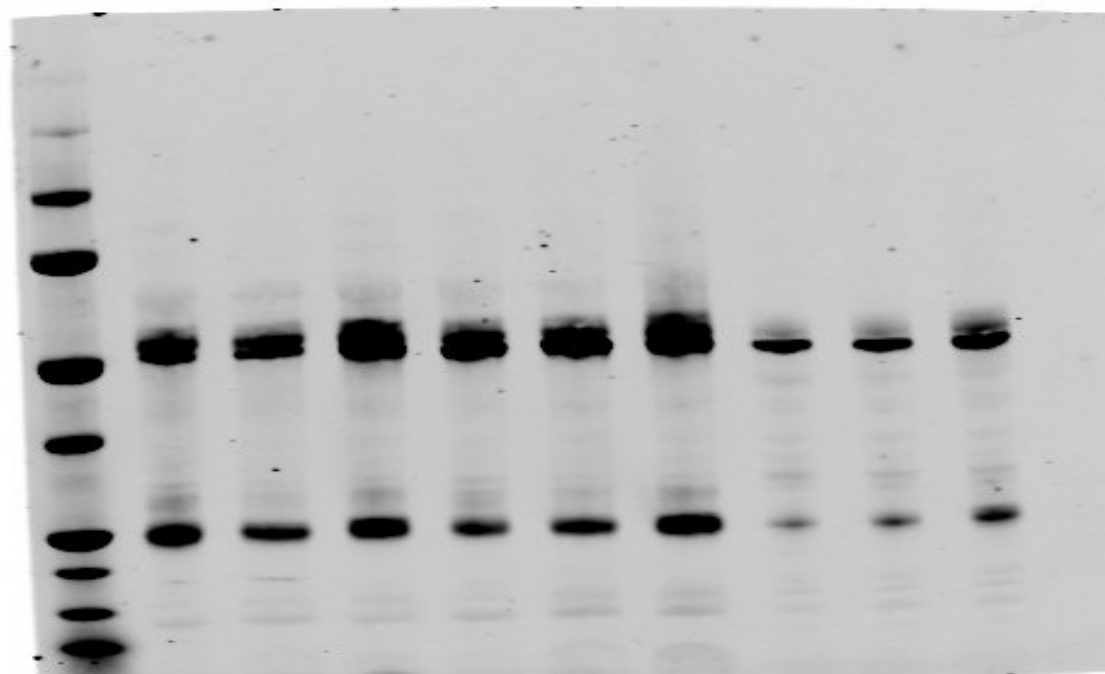


Pan S6
p4E-BP



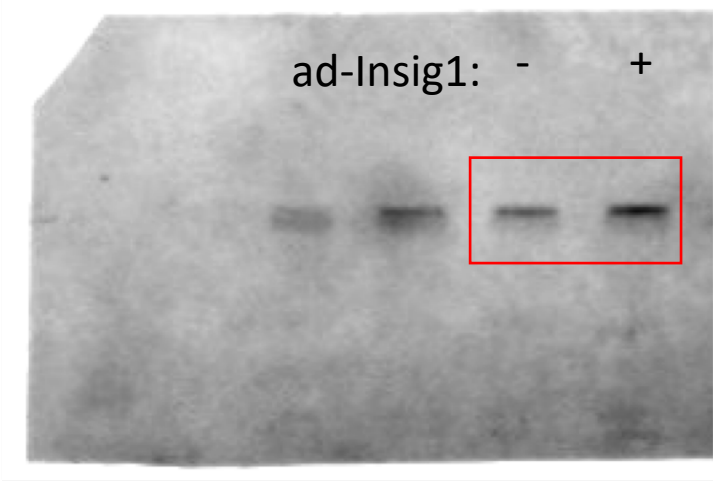
Full Unedited gel for **Figure S4**

b Tubulin



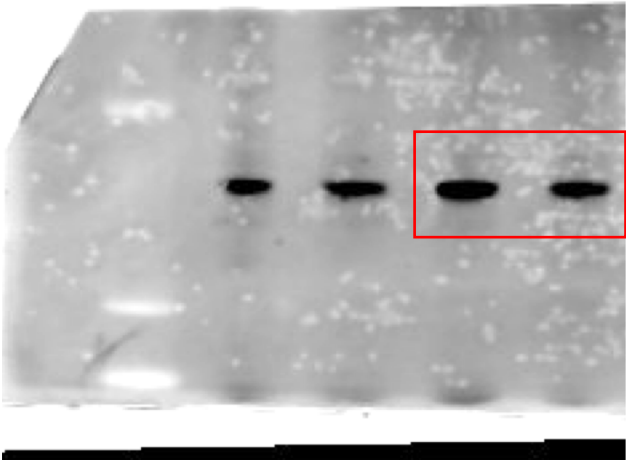
Full Unedited gel for **Figure 4C**

Phospho-S6



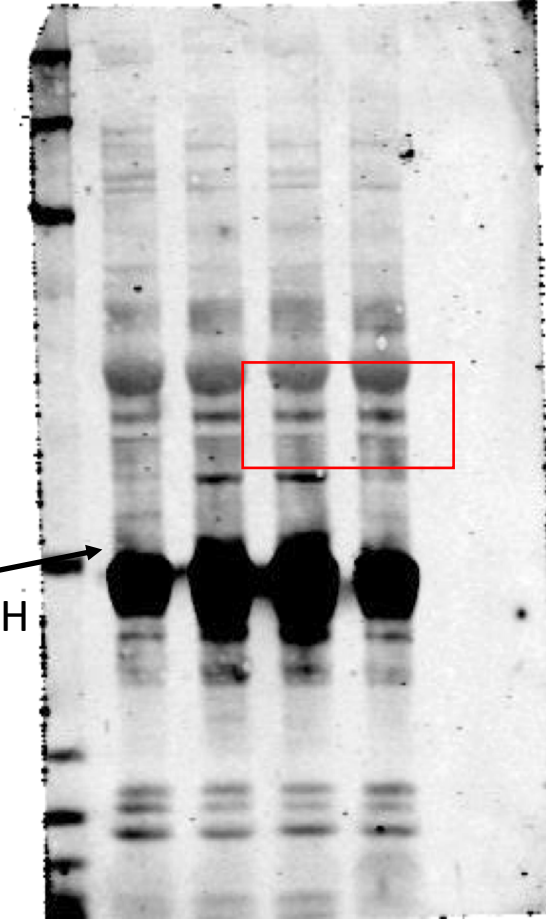
S6

ad-Insig1: - +



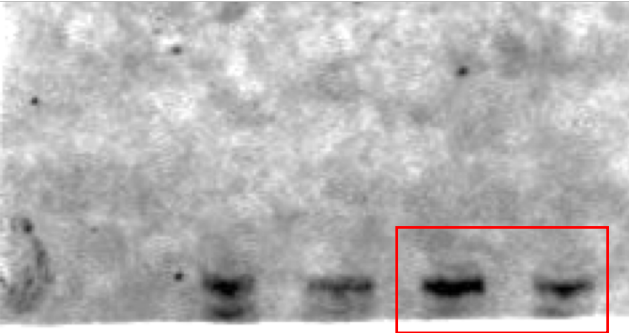
PAKT Thr3

Old GAPDH



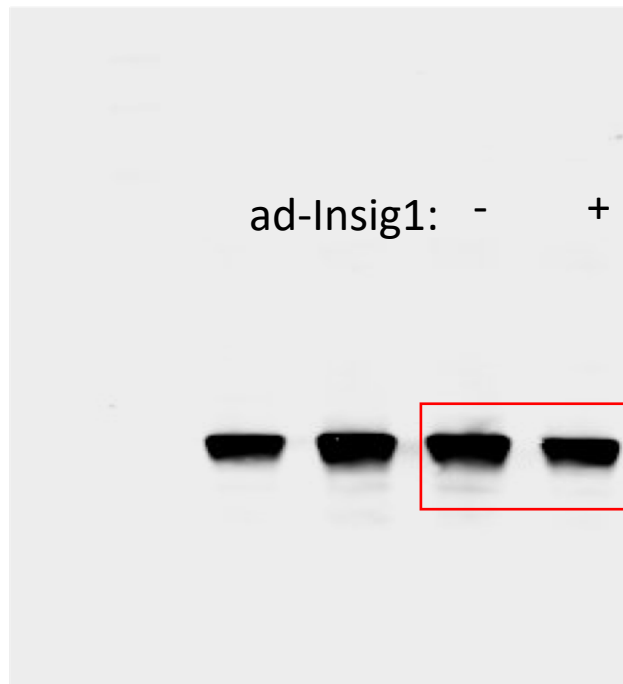
Pan AKT

ad-Insig1: - +

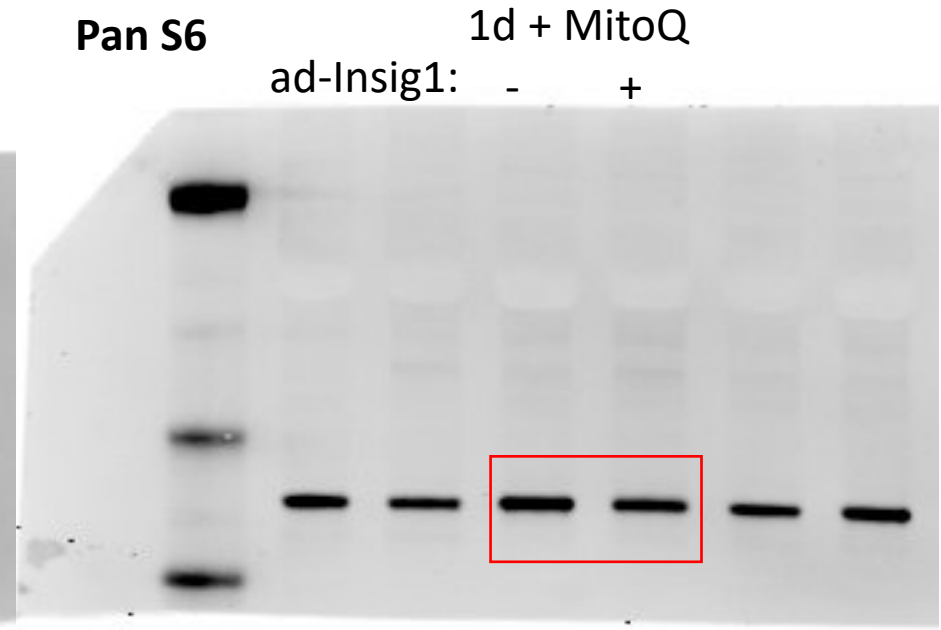
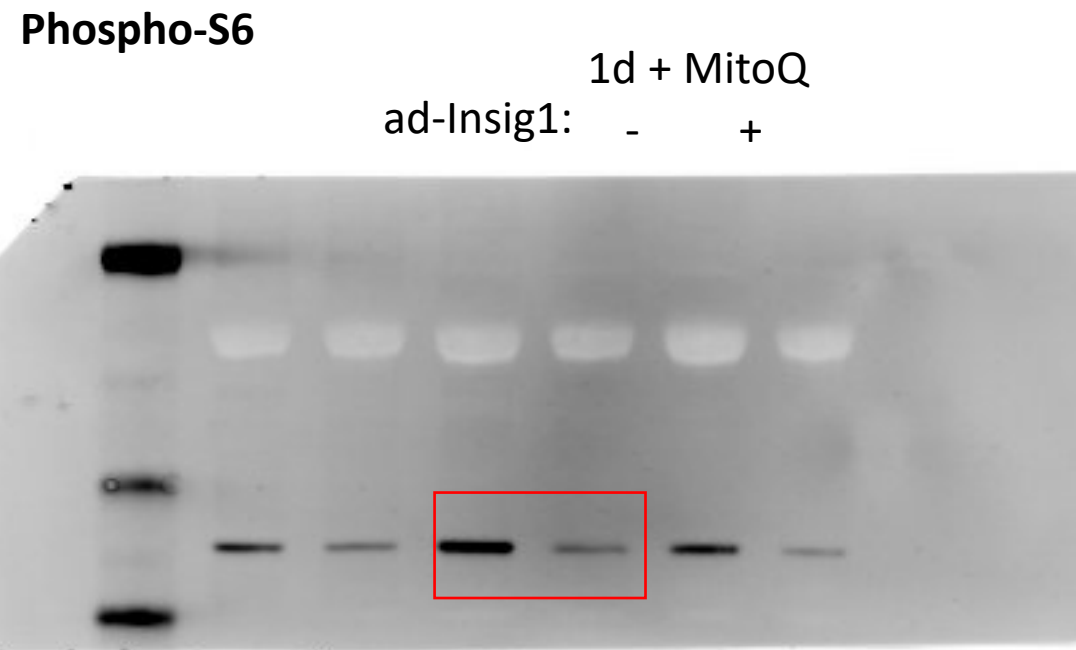
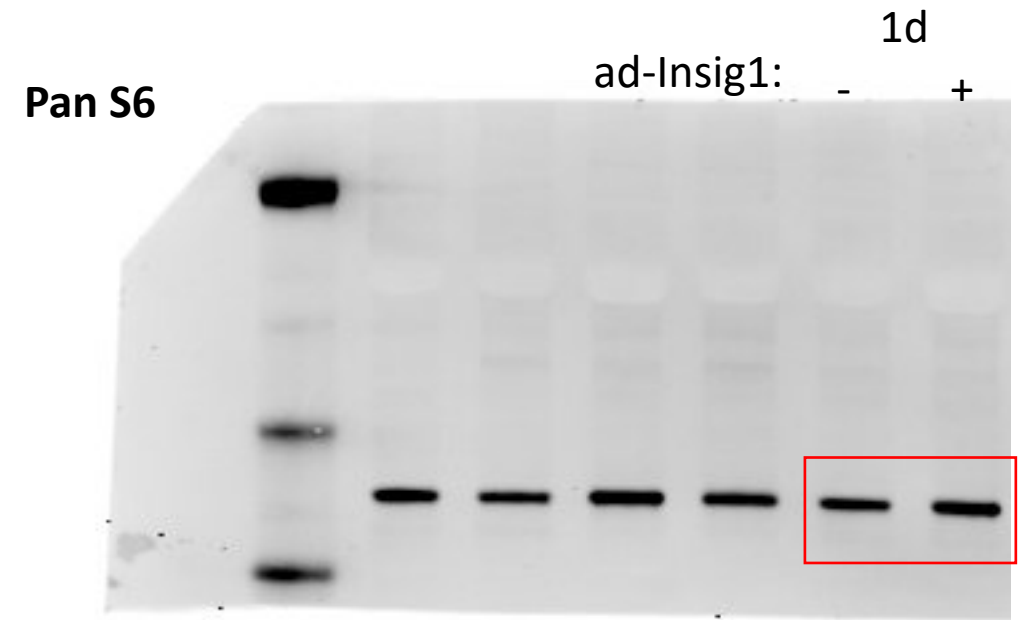
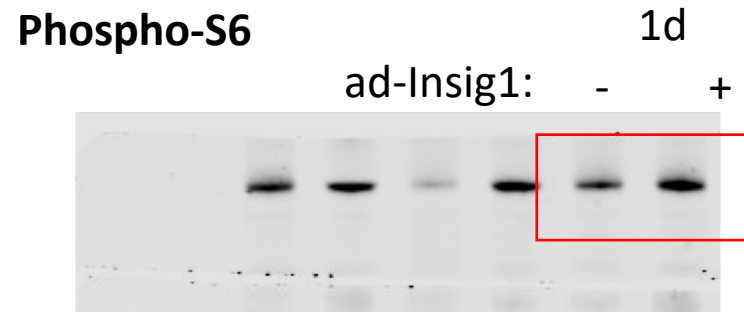


Full Unedited gel for **Figure 4C**

GAPDH

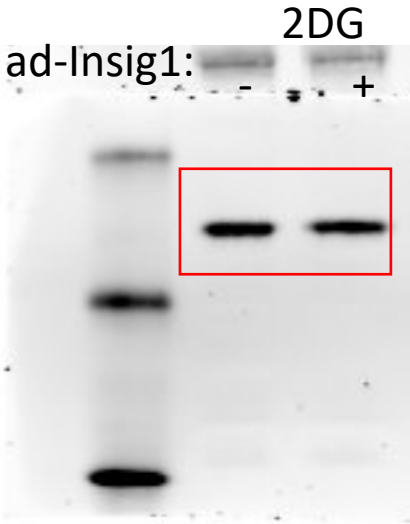


Full Unedited gel for **Figure 4F**

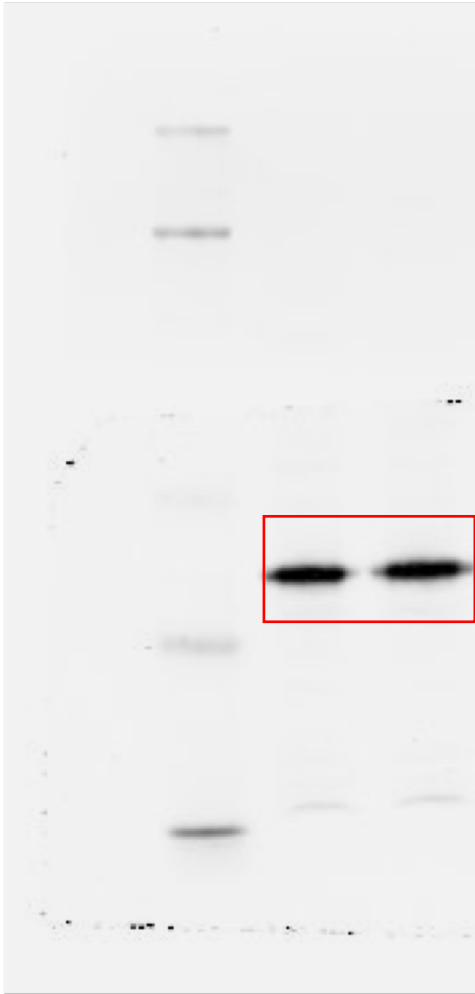


Full Unedited gel for **Figure 4F**

Phospho-S6



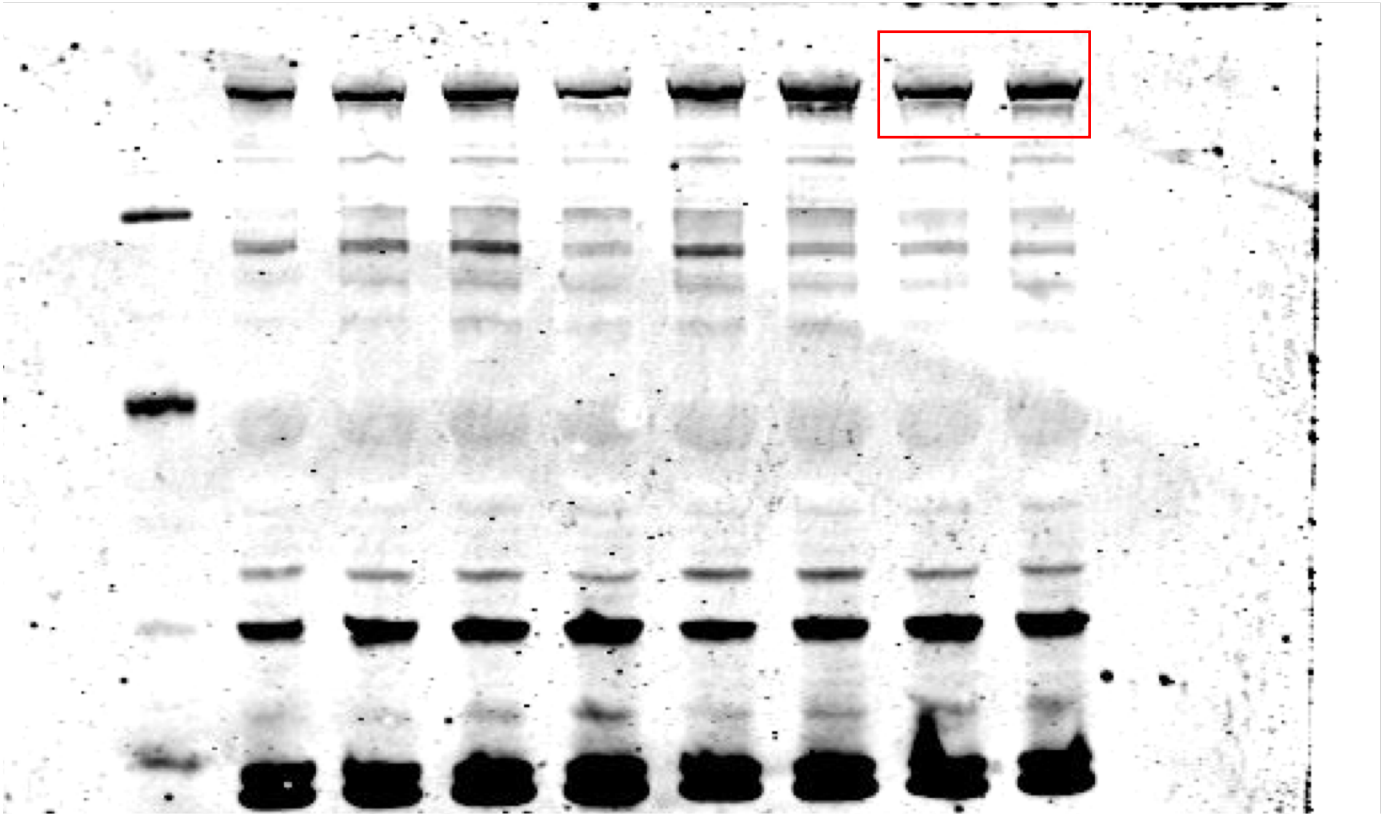
S6



Full Unedited gel for **Figure 4 H**

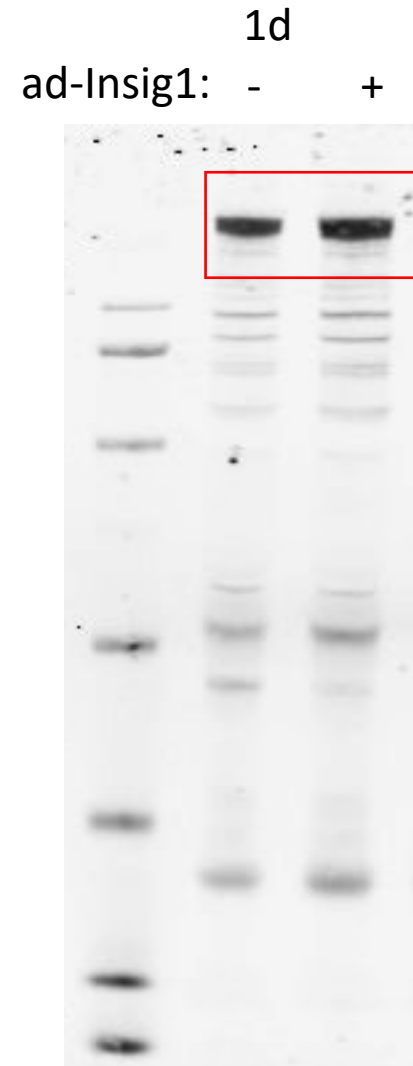
ACC

1d
ad-Insig1: - +



Full Unedited gel for **Figure 4 H**

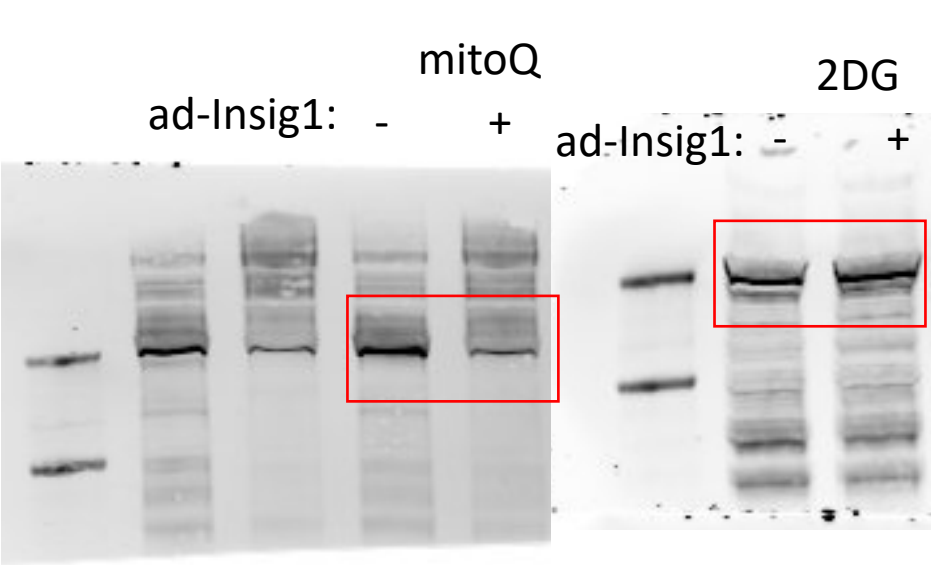
FASN



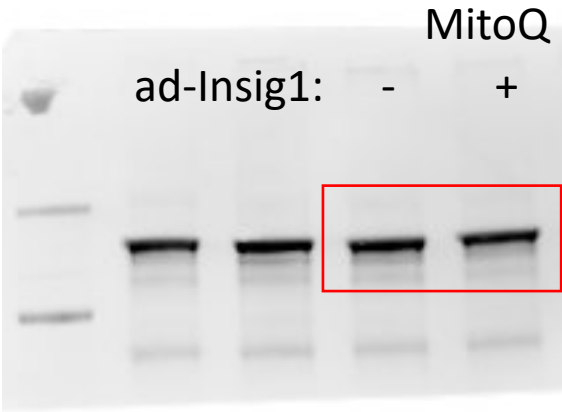
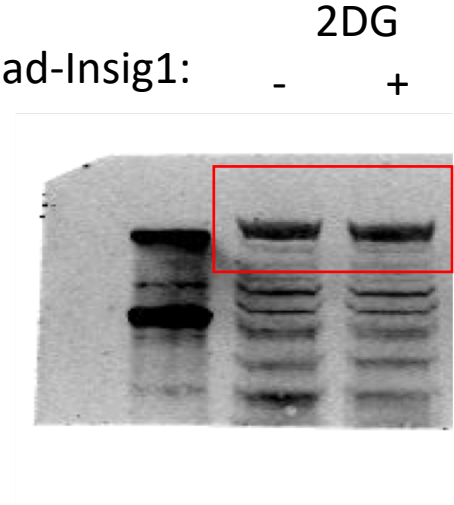
This is the same sample as cropped for ACC.
It was re-ran for publication. GAPDH representative
figure was probed in this sample (next figure).

Full Unedited gel for **Figure 4 H**

ACC

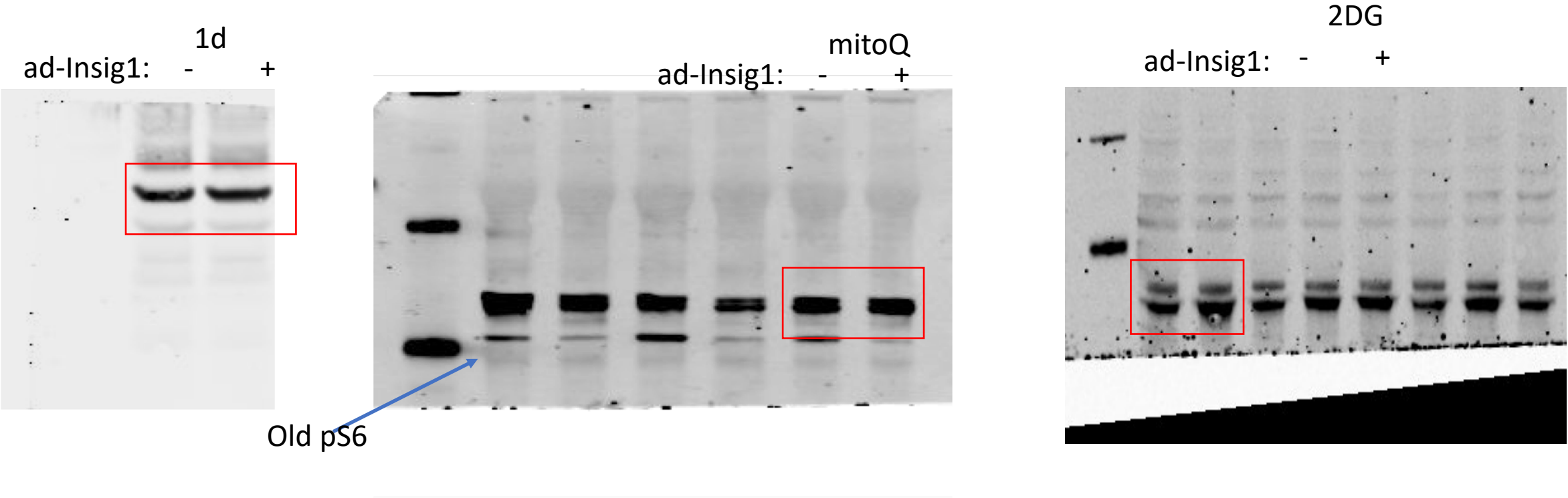


ad-Insig1:



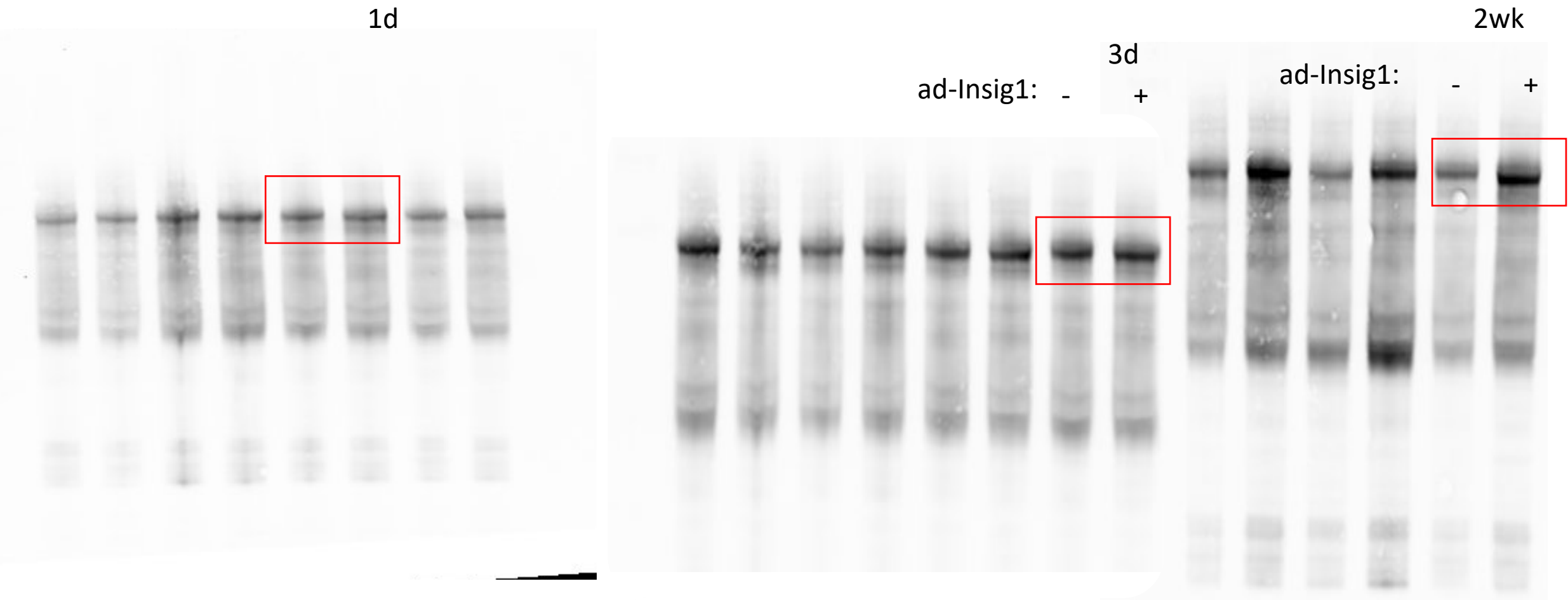
Full Unedited gel for Figure 4H

GAPDH



Full Unedited gel for **Figure 5B**

GLUT5



Full Unedited gel for **Figure 5B**

GLUT4

ad-Insig1:

2wk

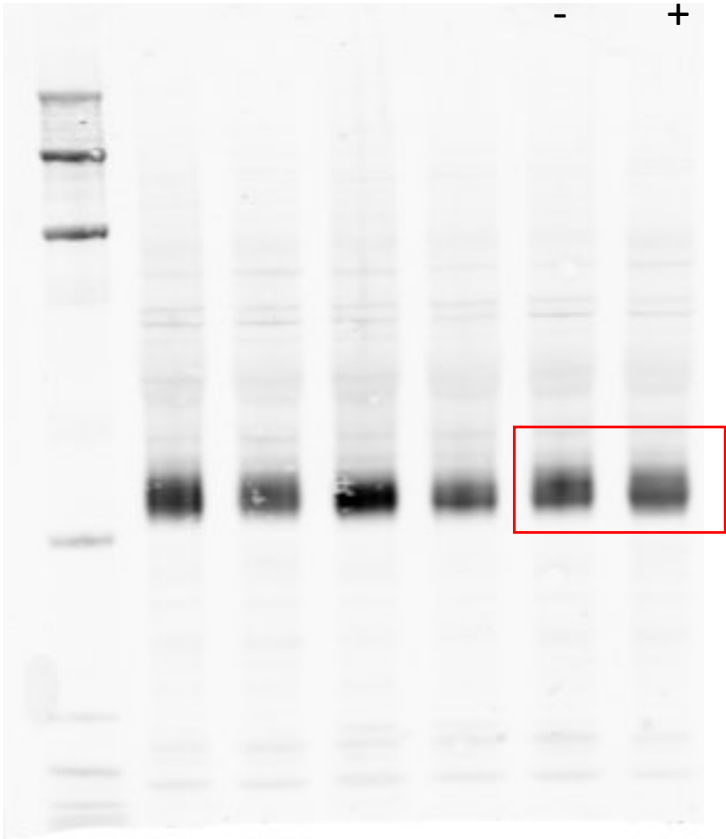
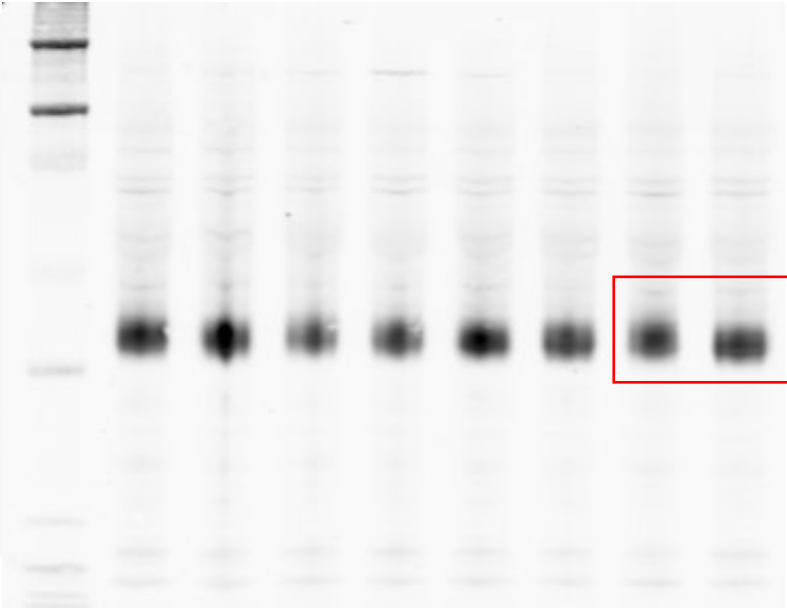
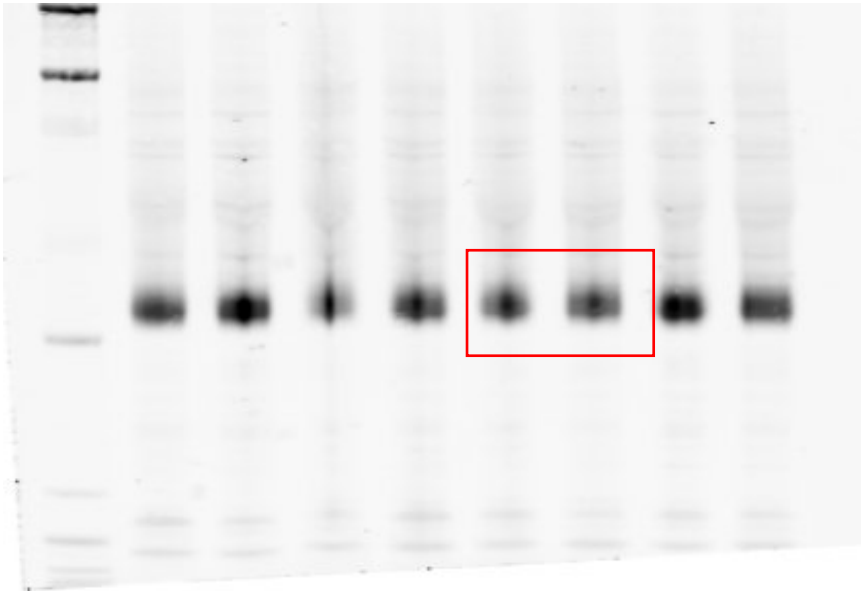
1d

3d

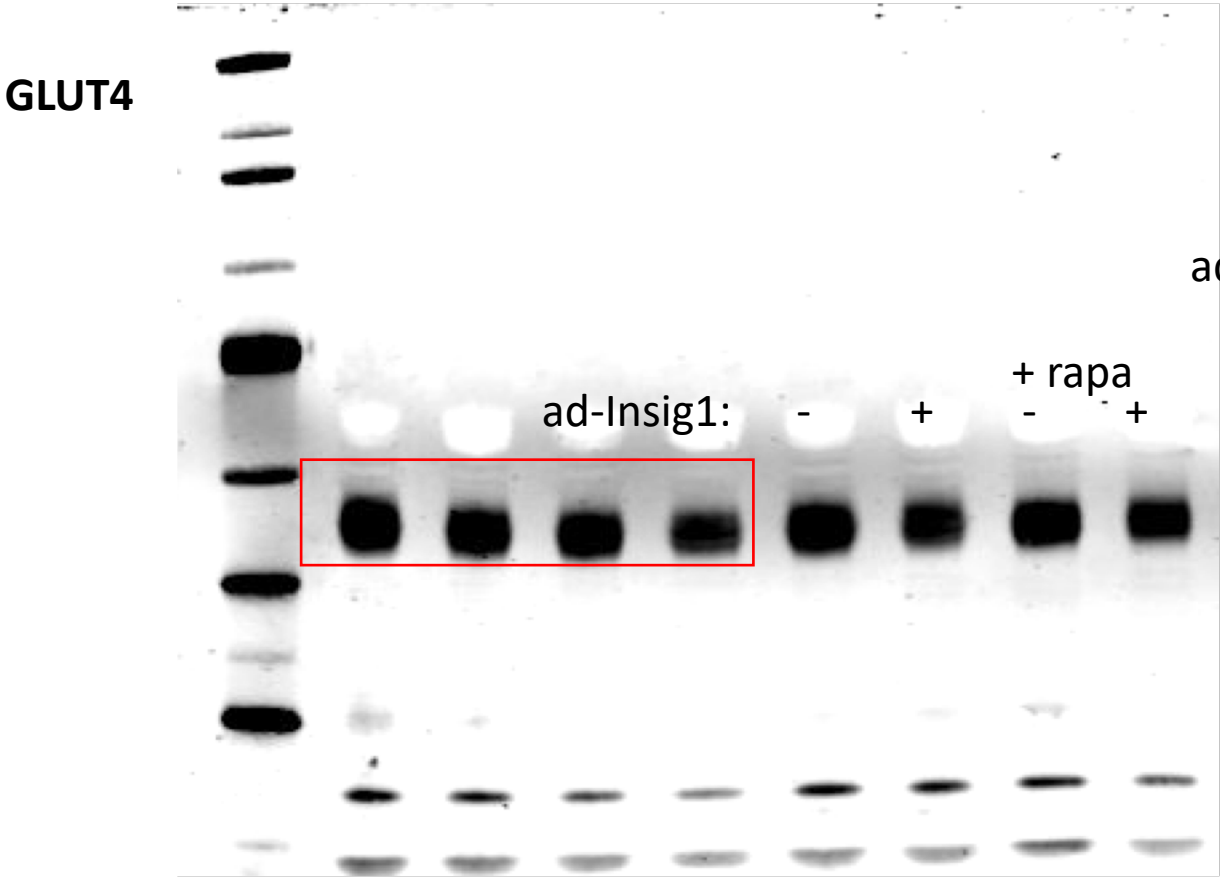
- +

- +

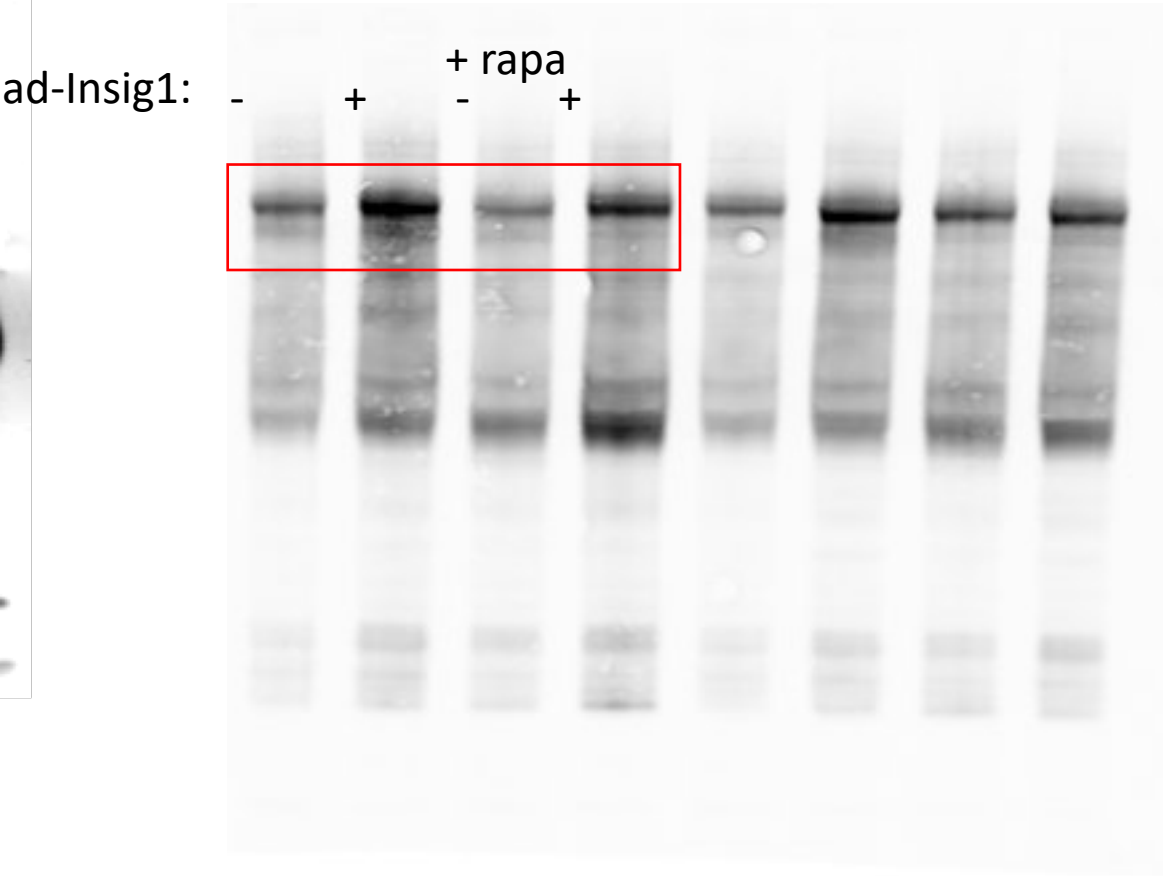
- +



Full Unedited gel for **Figure 5C**



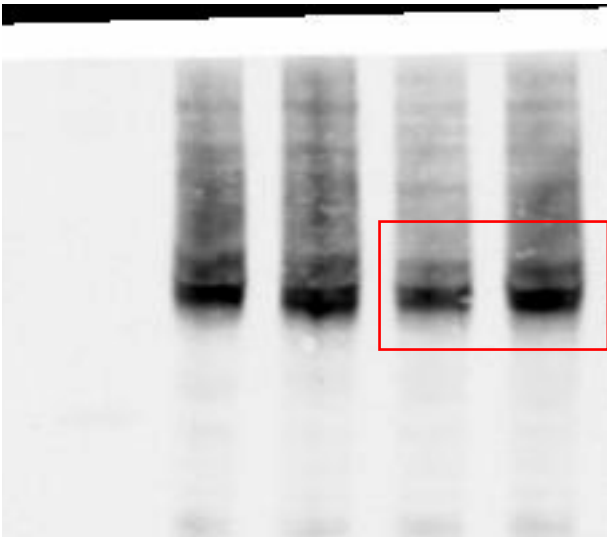
GLUT5



Full Unedited gel for **Figure 5D**

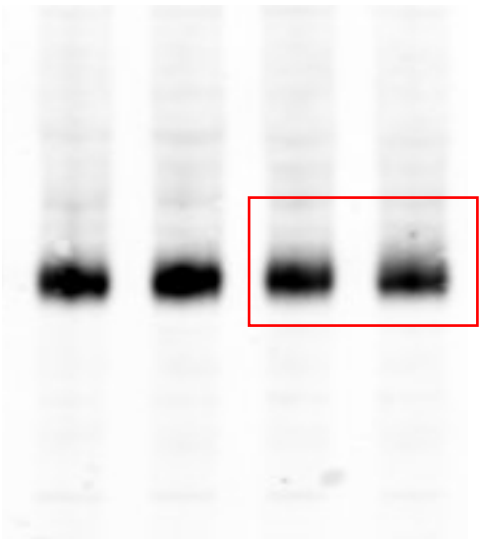
GLUT5

ad-Insig1: - +



GLUT4

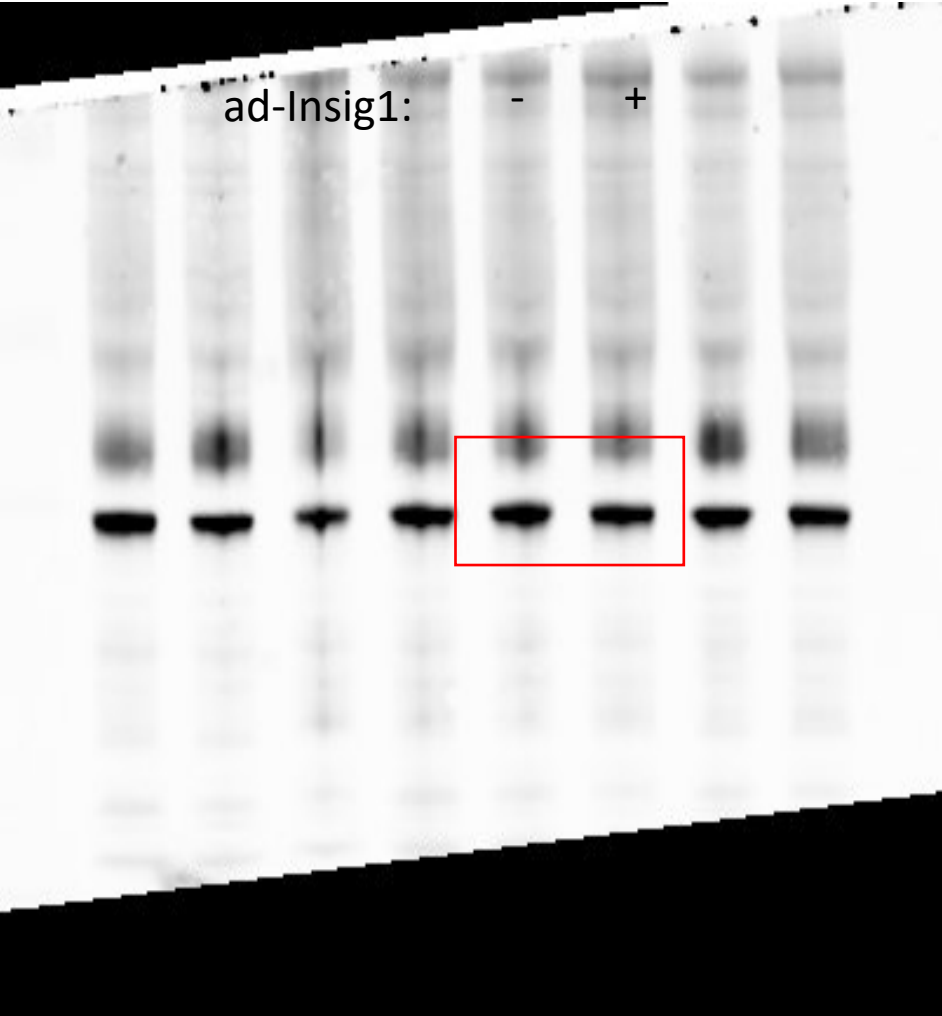
ad-Insig1: - +



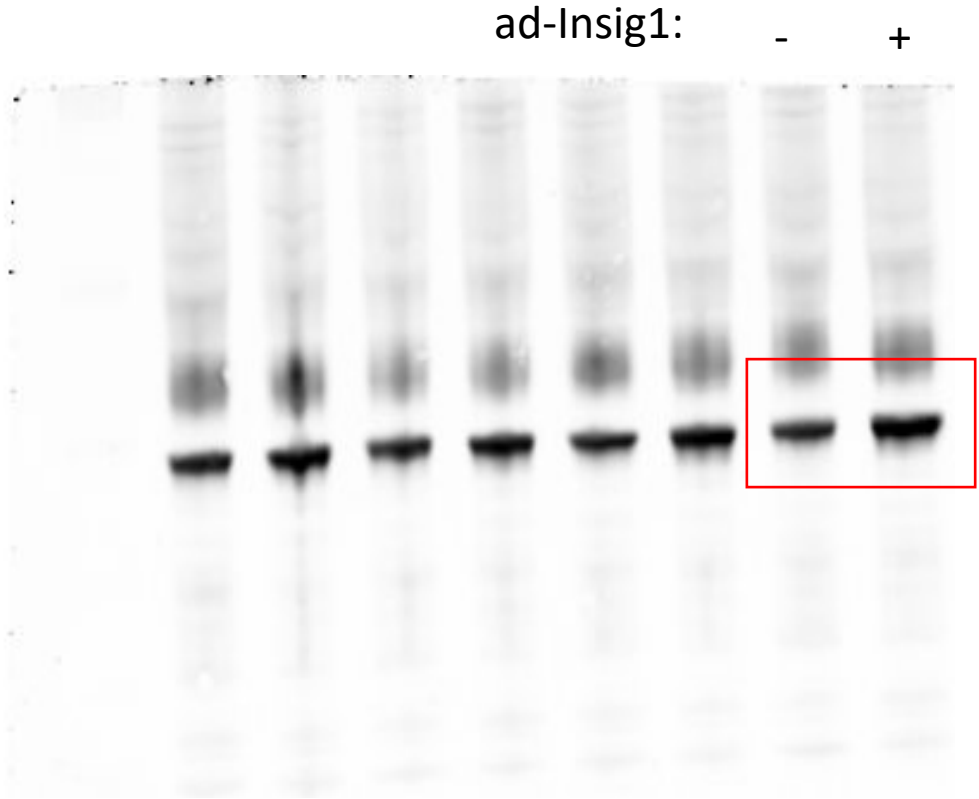
Full Unedited gel for **Figure 5B GAPDH**

GAPDH

1d



3d

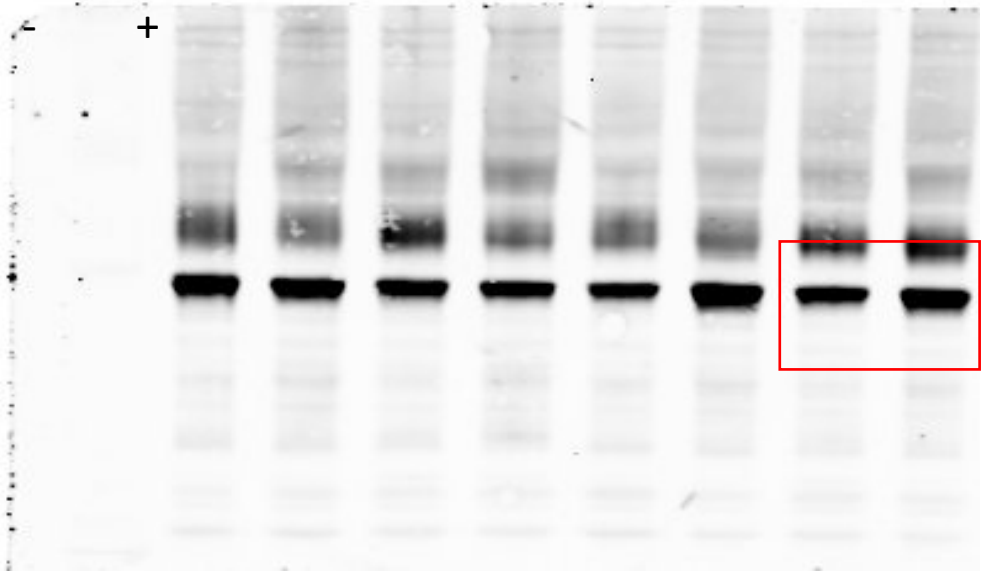


Full Unedited gel for **Figure 5B GAPDH**

GAPDH

2 wk

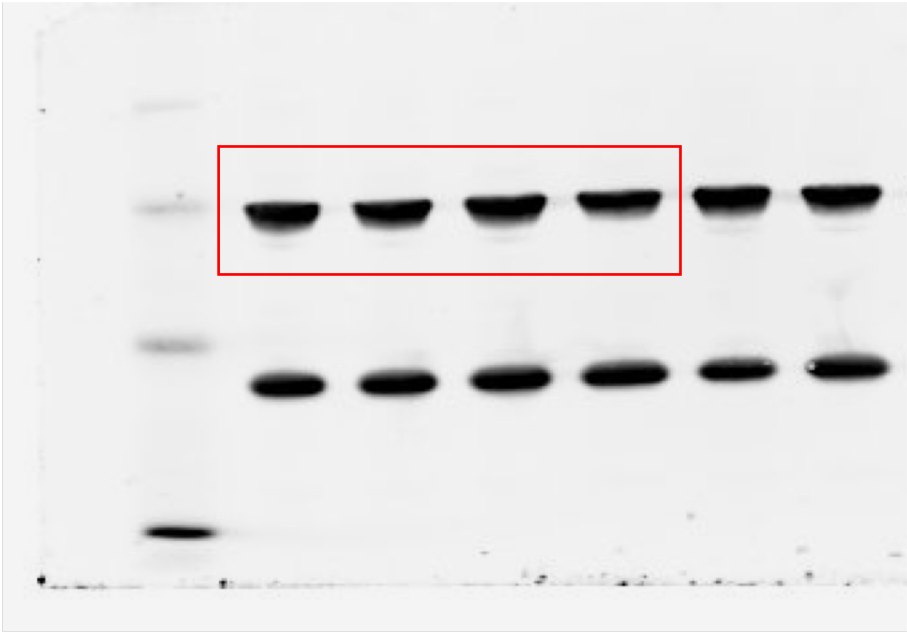
ad-Insig1:



Full Unedited gel for **Figure 5C**

GAPDH

ad-Insig1: - +



Full Unedited gel for **Figure 5D**

GAPDH

