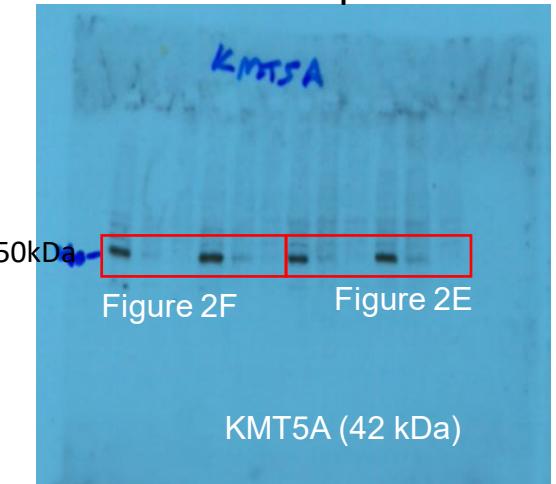
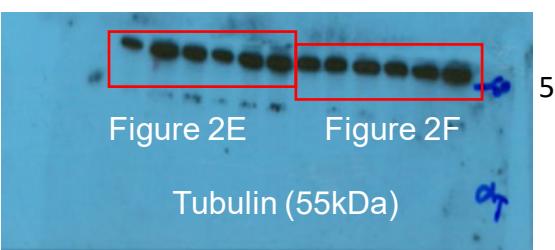
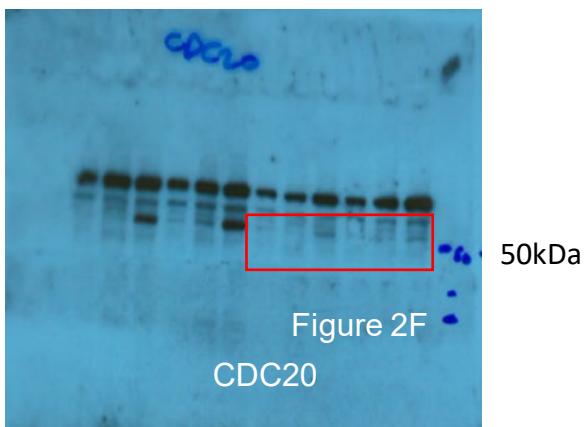


5 minute exposure

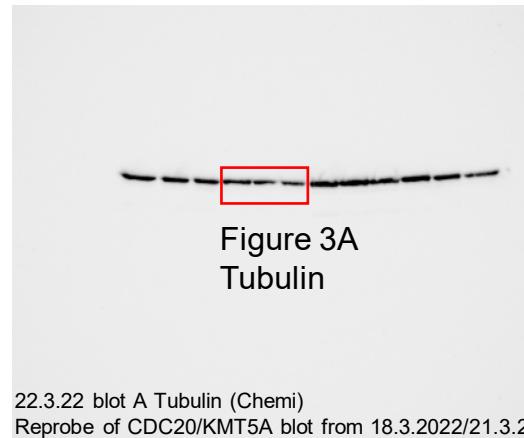
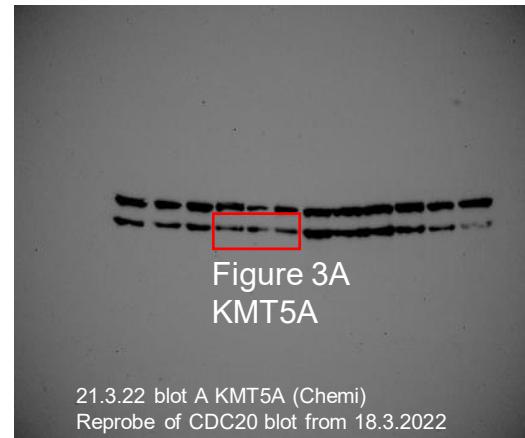
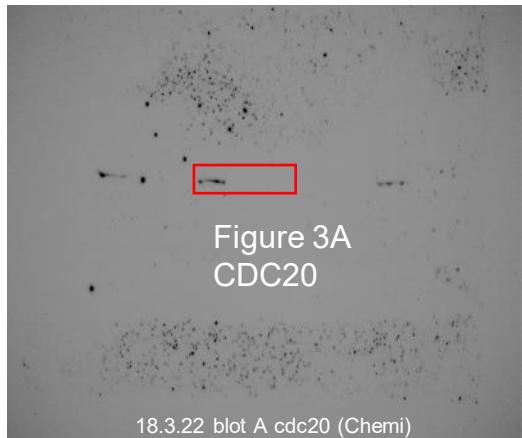


1. Marker
2. LNCaP N/S SDM
3. LNCaP KMT5A\_1 SDM
4. LNCaP KMT5A\_2 SDM
5. LNCaP N/S + 10nM DHT 24h
6. LNCaP KMT5A\_1 + 10nM DHT 24h
7. LNCaP KMT5A\_2 + 10nM DHT 24h
8. LNCaP-AI N/S SDM
9. LNCaP-AI KMT5A\_1 SDM
10. LNCaP-AI KMT5A\_2 SDM
11. LNCaP-AI N/S + 10nM DHT 24h
12. LNCaP-AI KMT5A\_1 + 10nM DHT 24h
13. LNCaP-AI KMT5A\_2 + 10nM DHT 24h

10 minute exposure



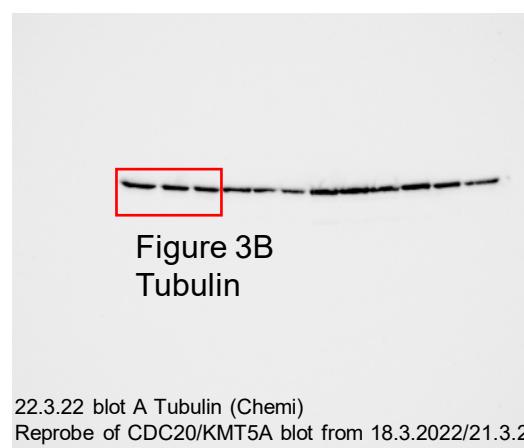
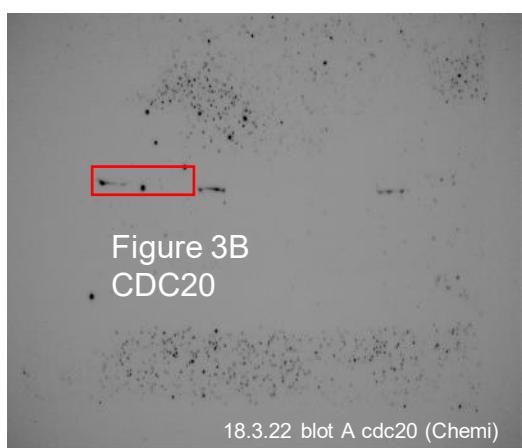
# Uncut blots for Figure 3A; ChemiDoc (BioRad) images



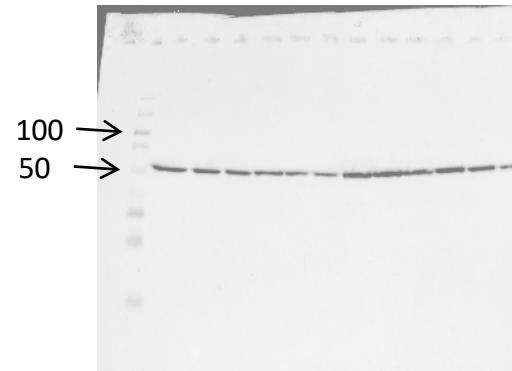
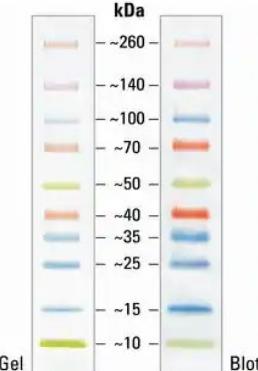
1. Marker
2. LNCaP N/S
3. LNCaP KMT5A\_1
4. LNCaP KMT5A\_2
5. LNCaP-AI N/S SDM
6. LNCaP-AI KMT5A\_1 SDM
7. LNCaP-AI KMT5A\_2 SDM
8. LNCaP N/S
9. LNCaP KMT5A\_1
10. LNCaP KMT5A\_2
11. LNCaP-AI N/S SDM
12. LNCaP-AI KMT5A\_1 SDM
13. LNCaP-AI KMT5A\_2 SDM

N=3.3.22

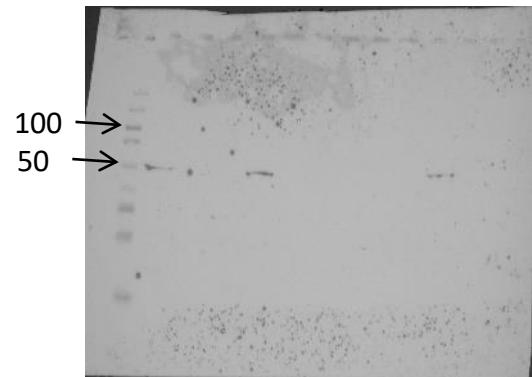
N =7.3.22



Thermofisher Spectra Multi colour  
Broad Range Protein Marker

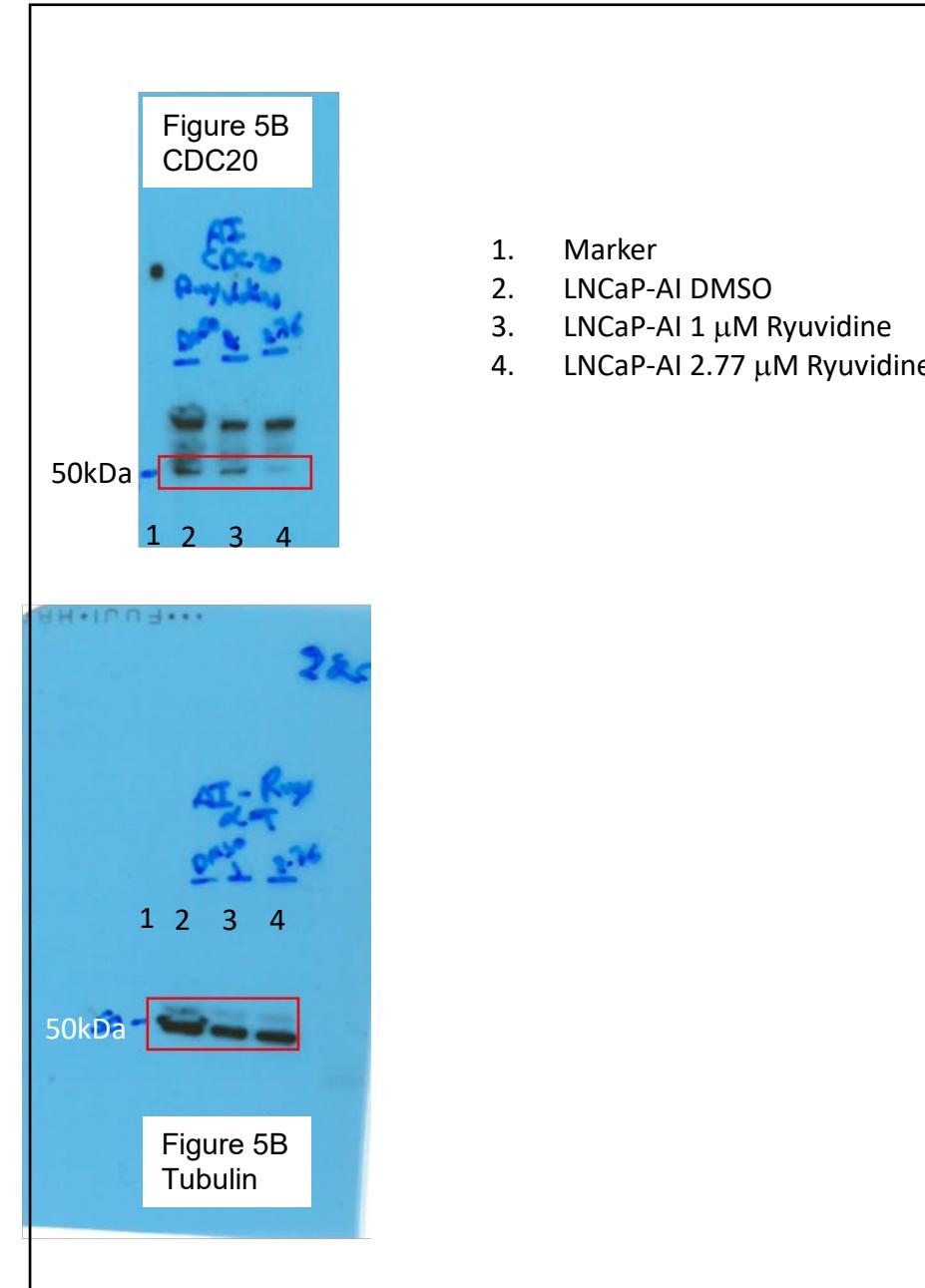
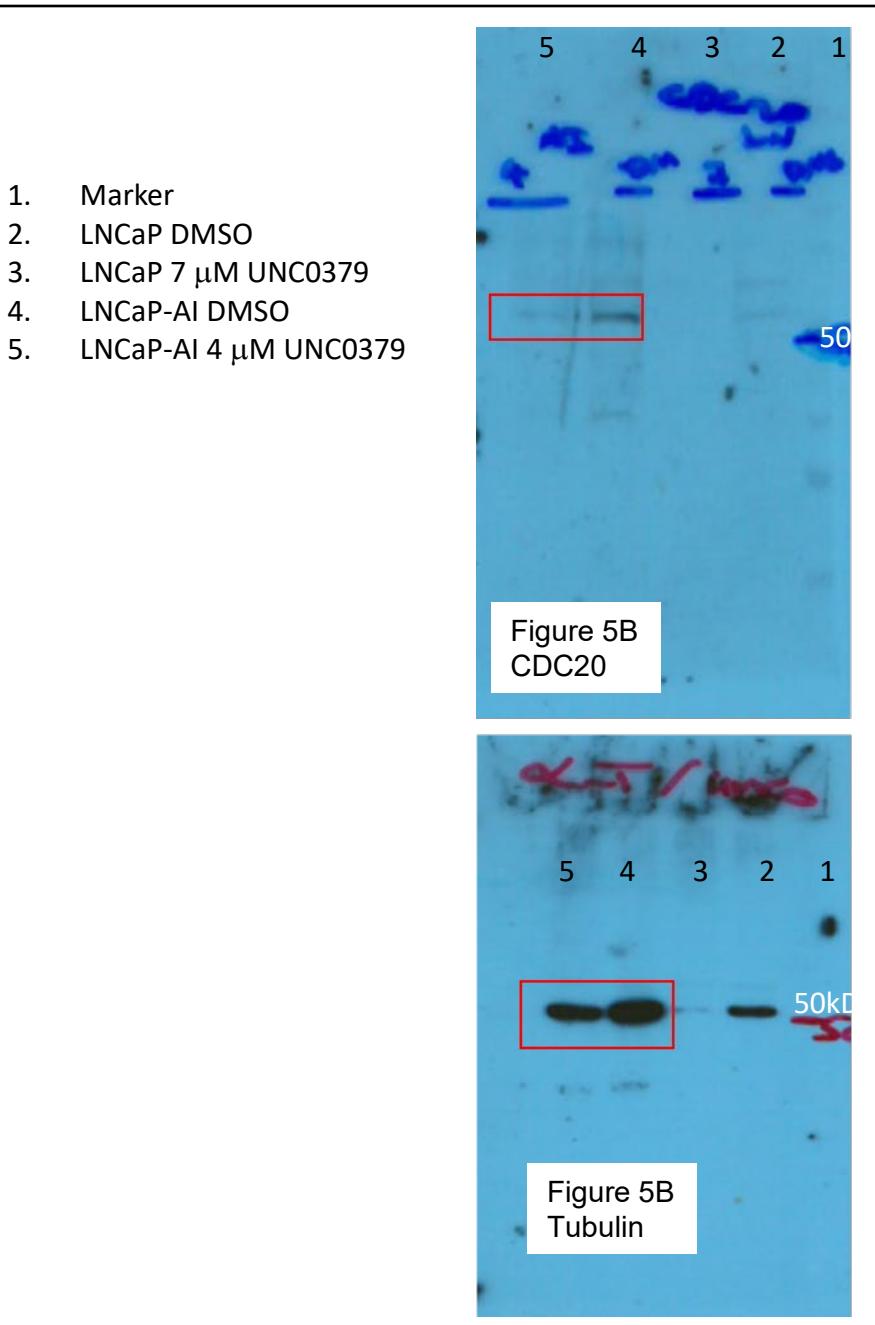


Composite images showing molecular weight marker

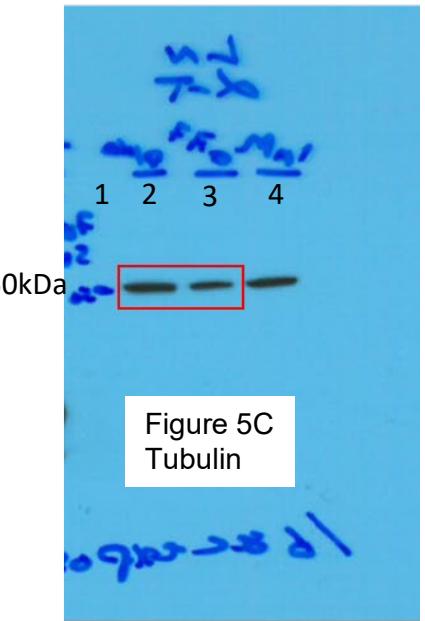
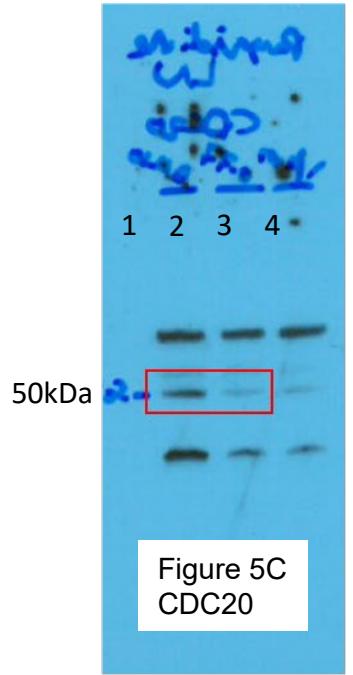


KC

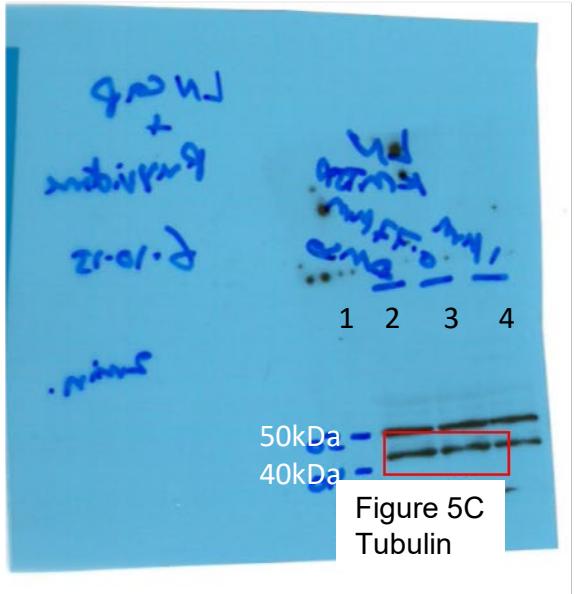
Uncut blots for Figure 5B; lab book 3 p0074



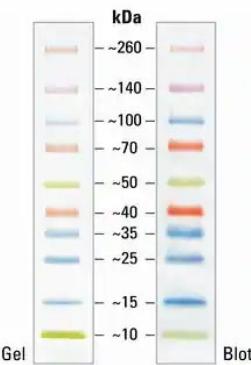
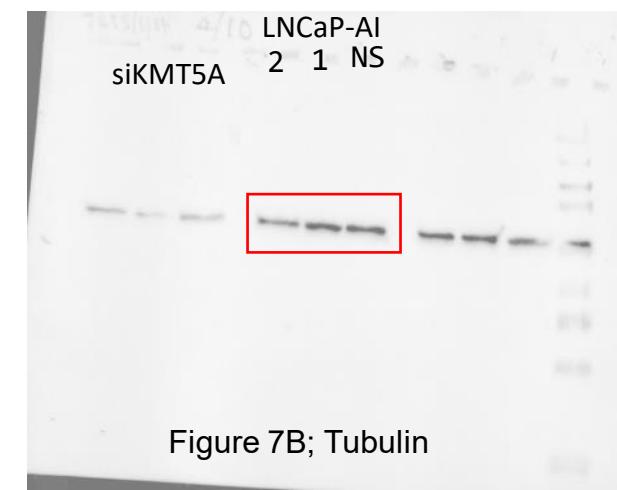
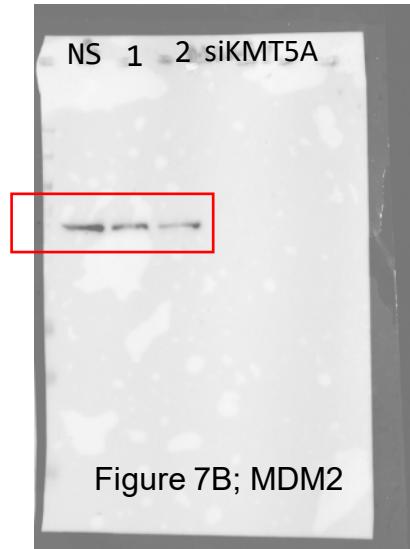
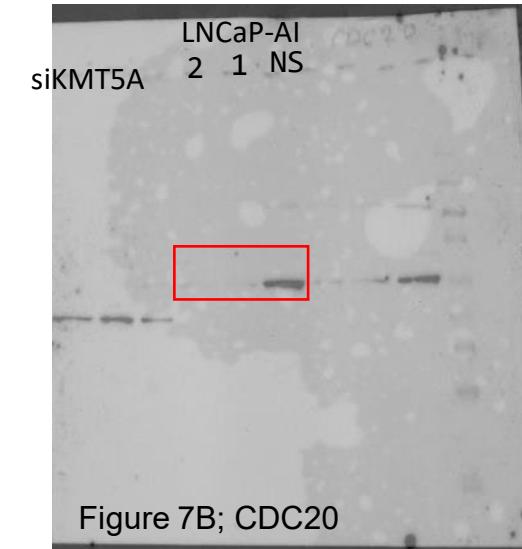
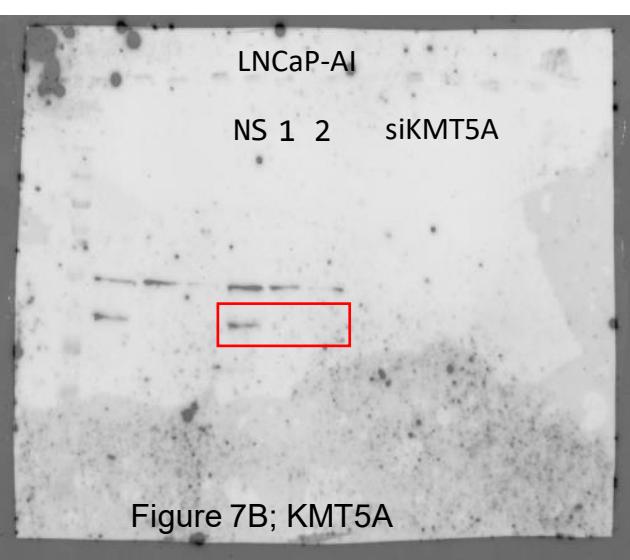
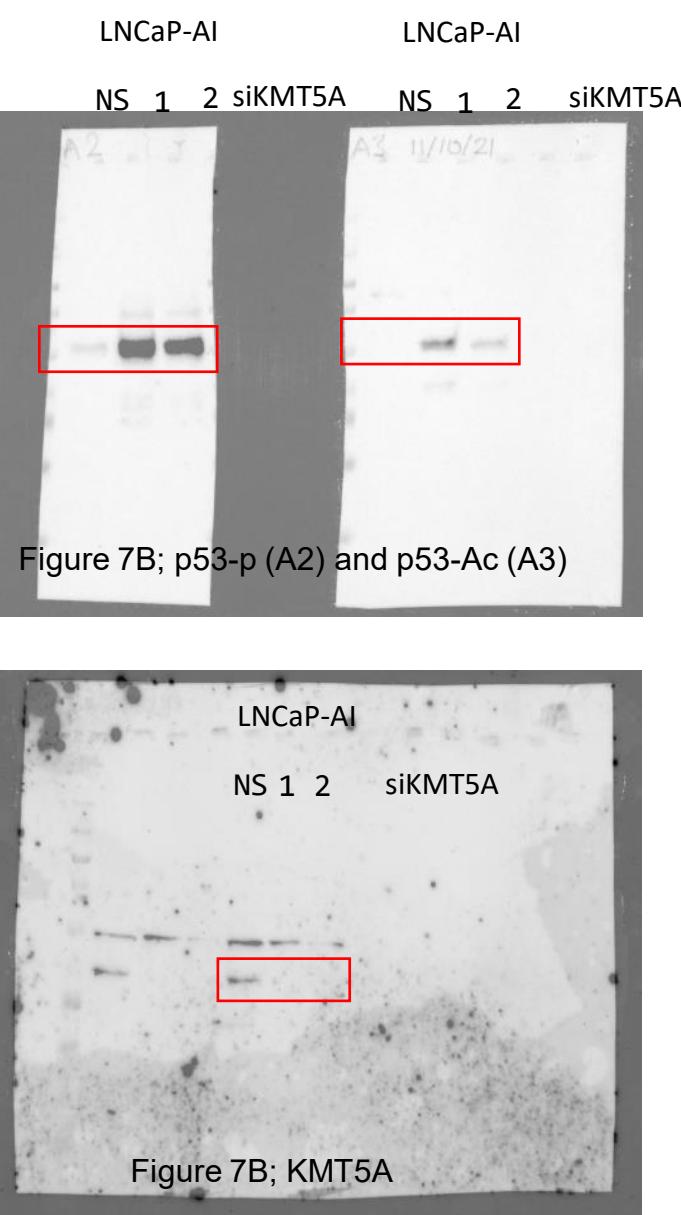
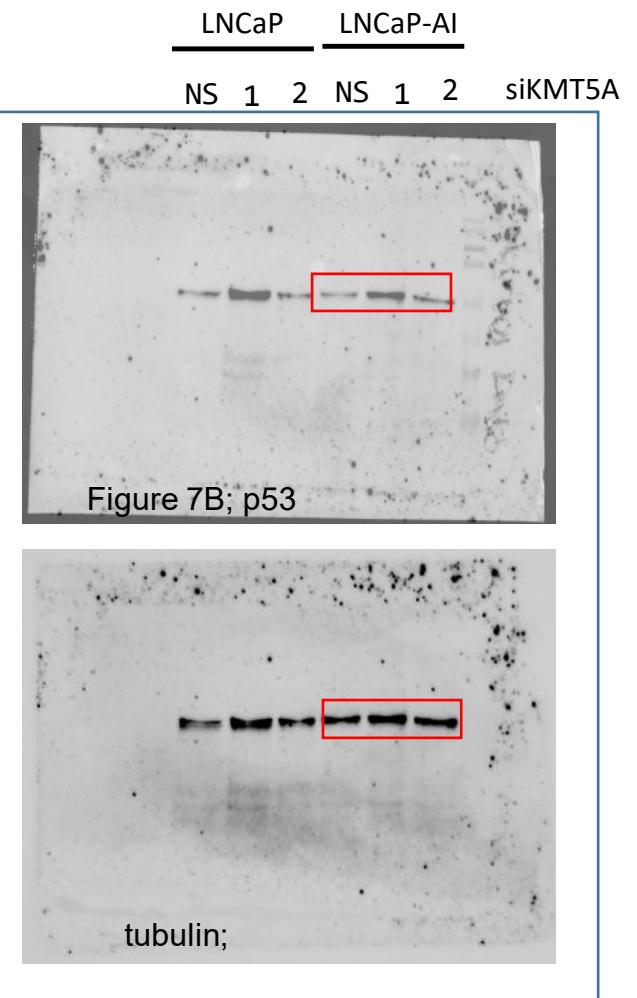
Uncut blots for Figure 5C; lab book 3 p0074



1. Marker
2. LNCaP DMSO
3. LNCaP 0.77  $\mu$ M Ryuvidine
4. LNCaP 1  $\mu$ M Ryuvidine

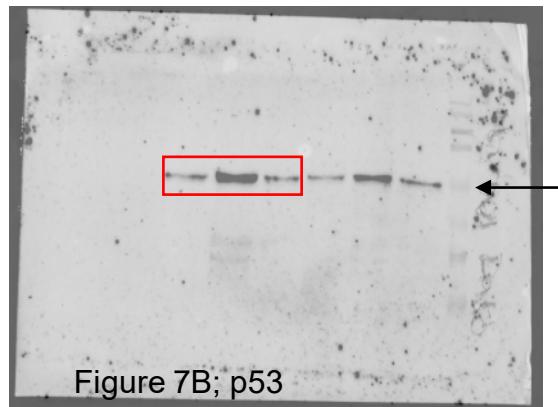


# Uncut blots for Figure 7B; LNCaP-AI

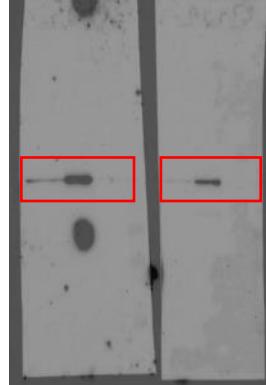


# Uncut blots for Figure 7B; LNCaP

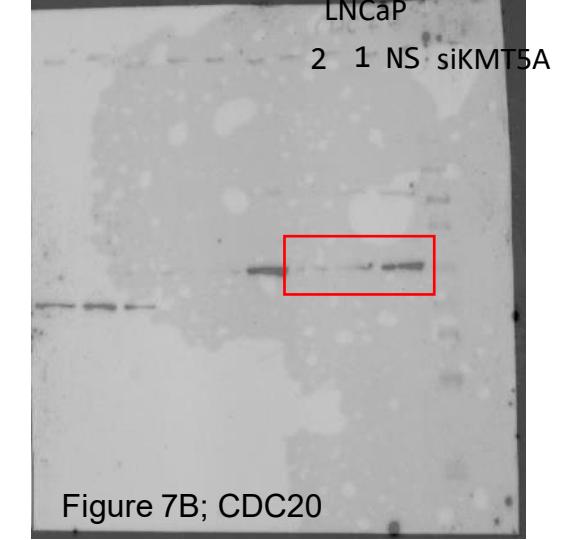
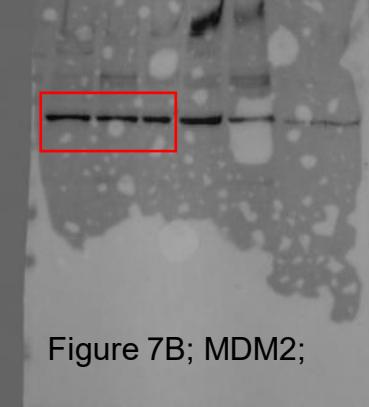
LNCaP      LNCaP-AI  
NS 1 2    NS 1 2    siKMT5A



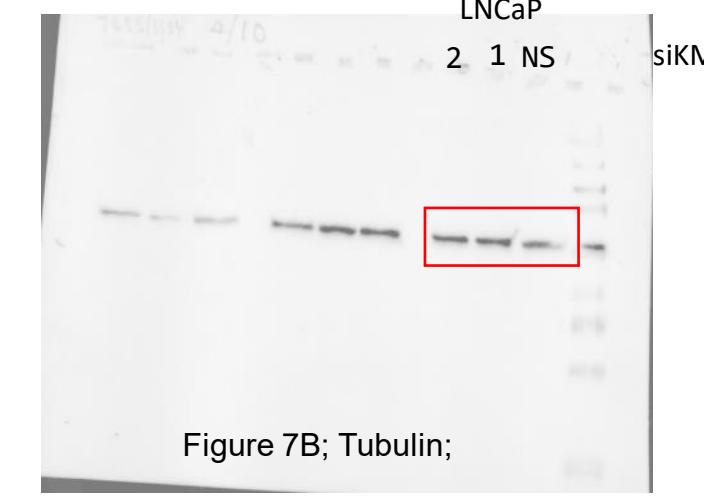
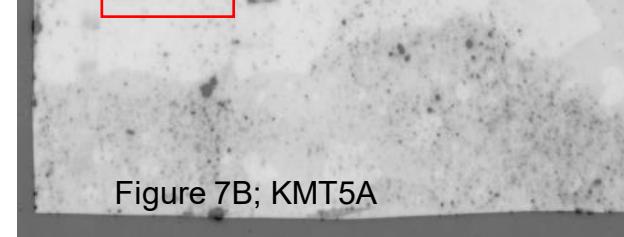
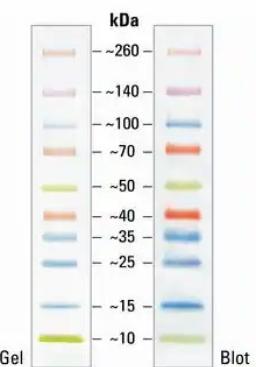
LNCaP  
2 1 NS 2 1 NS siKMT5A



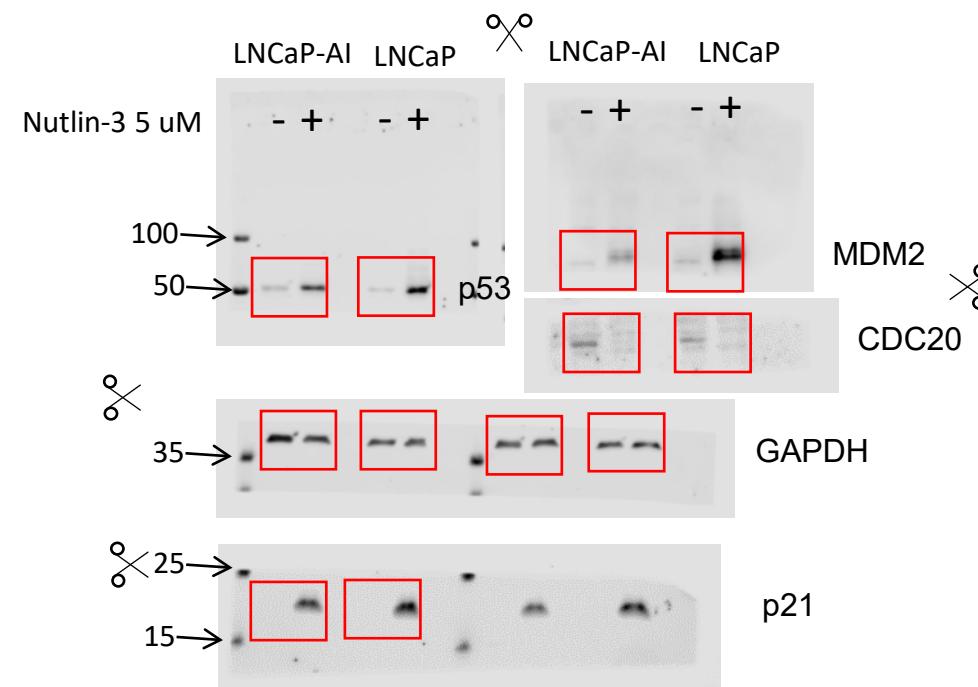
LNCaP  
NS 1 2



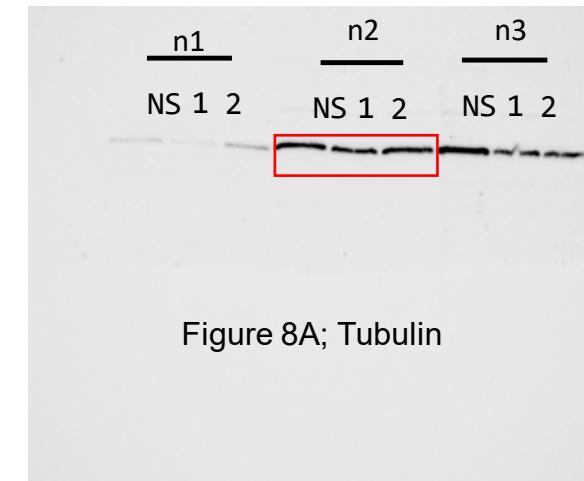
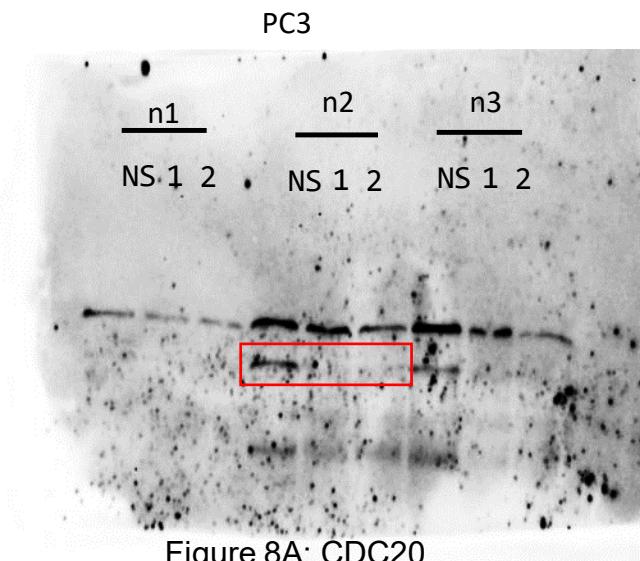
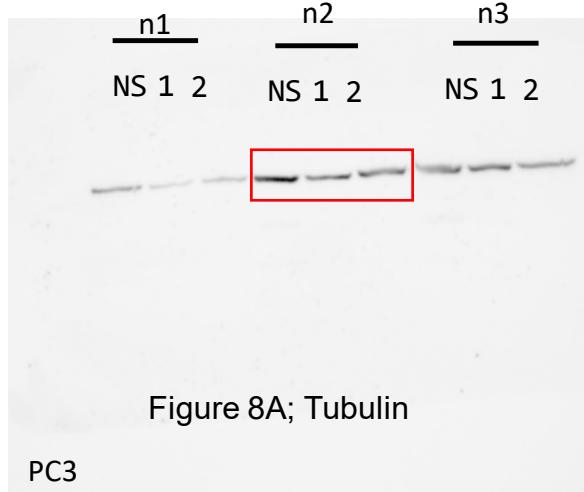
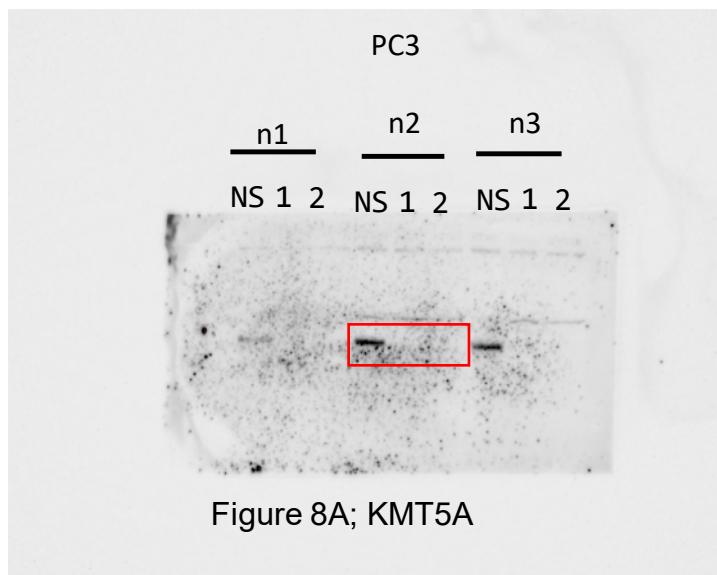
LNCaP  
NS 1 2



Uncropped blots for Figure 7D;



# Uncropped blots for Figure 8



Supplementary Figure 2 uncut blots

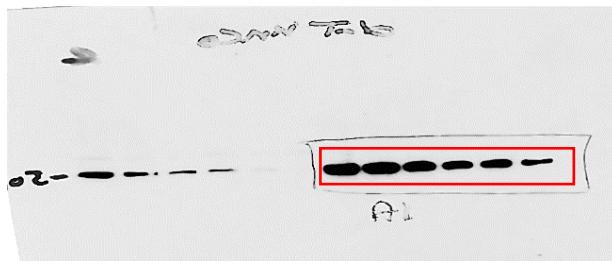
LNCaP

LNCaP-AI

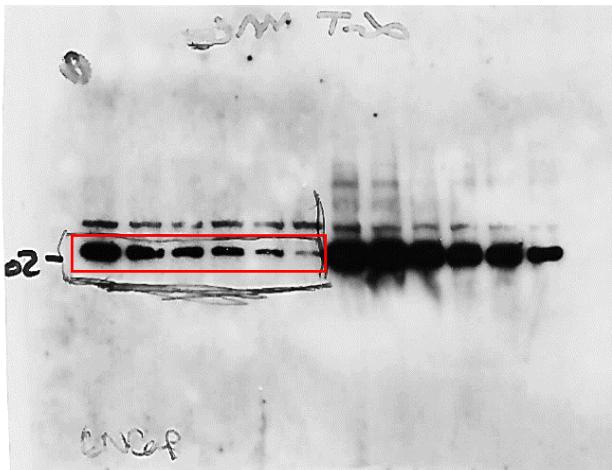
UNC0379



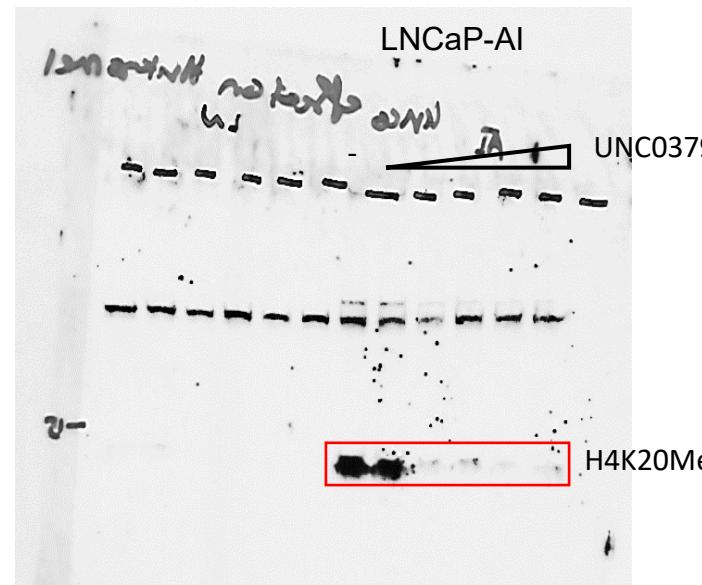
KMT5A



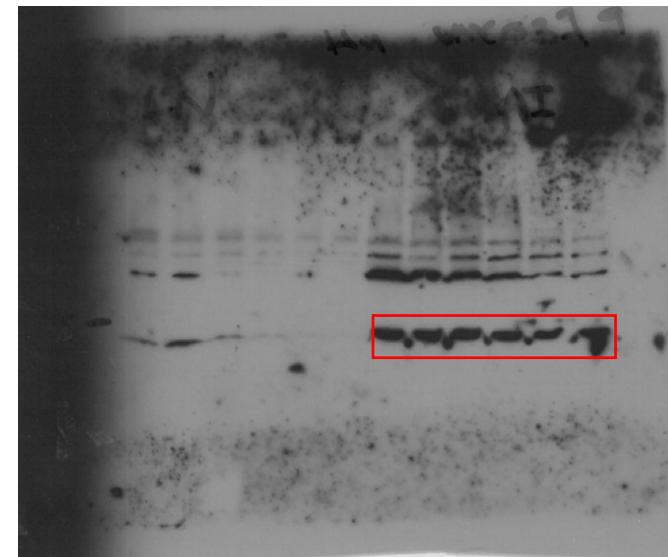
α-Tubulin  
Short exposure



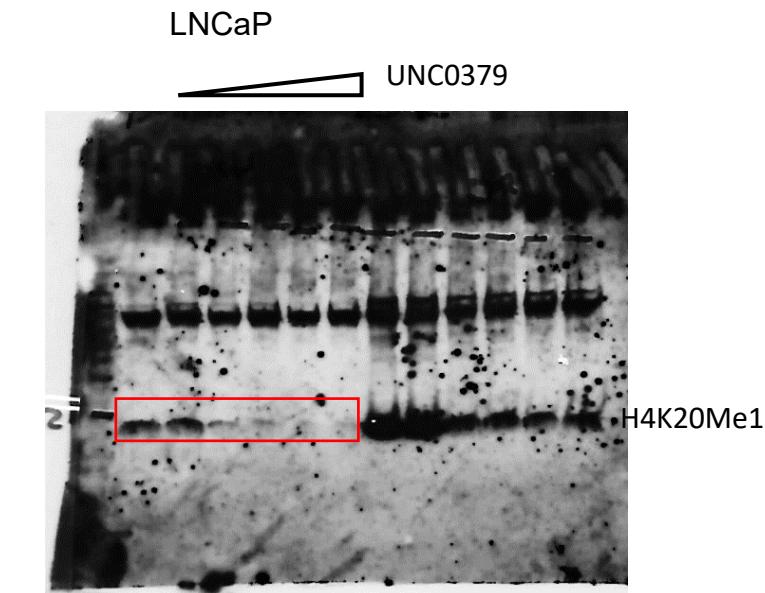
α-Tubulin  
Longer exposure



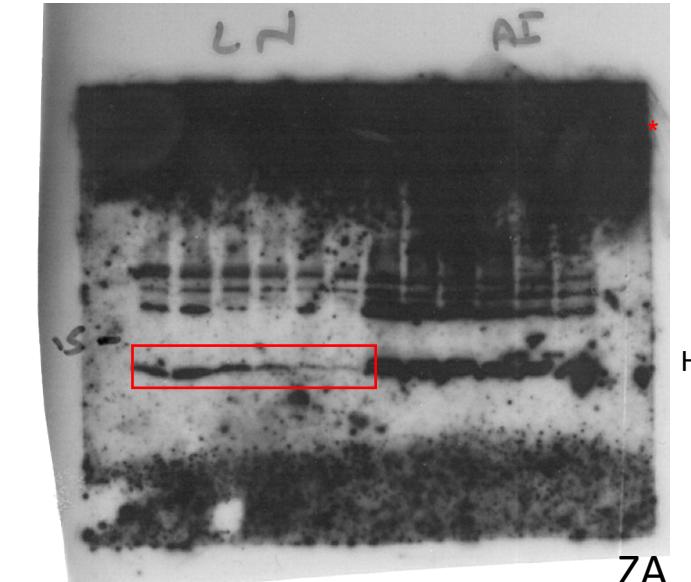
H4K20Me1



H4



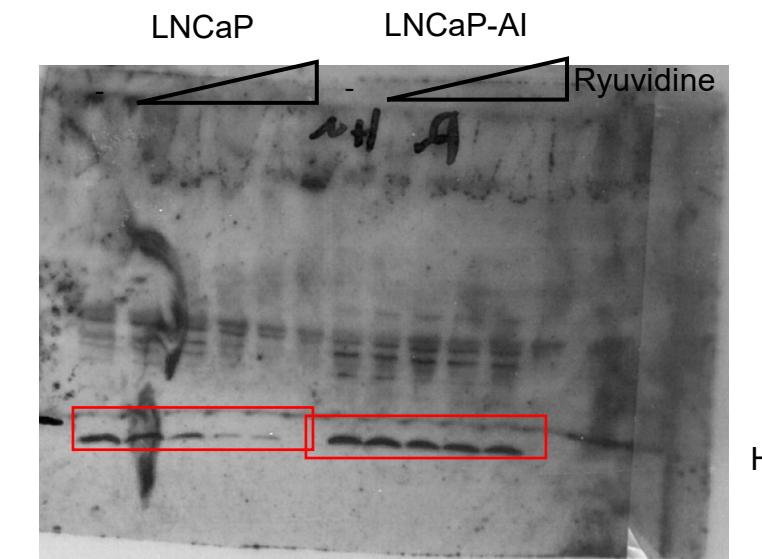
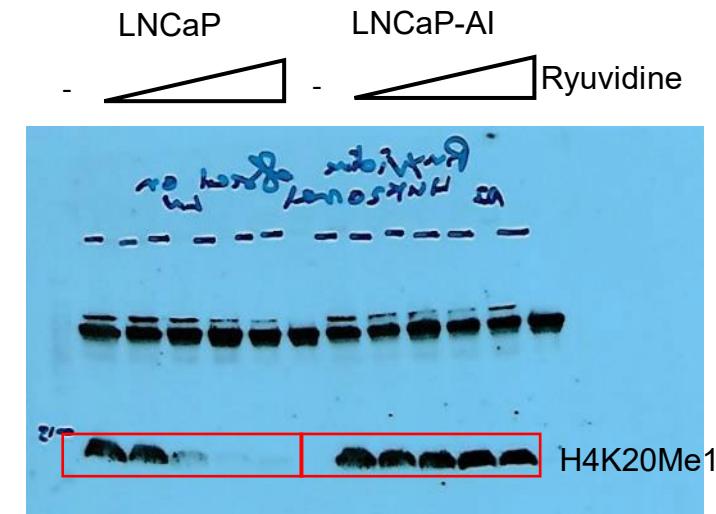
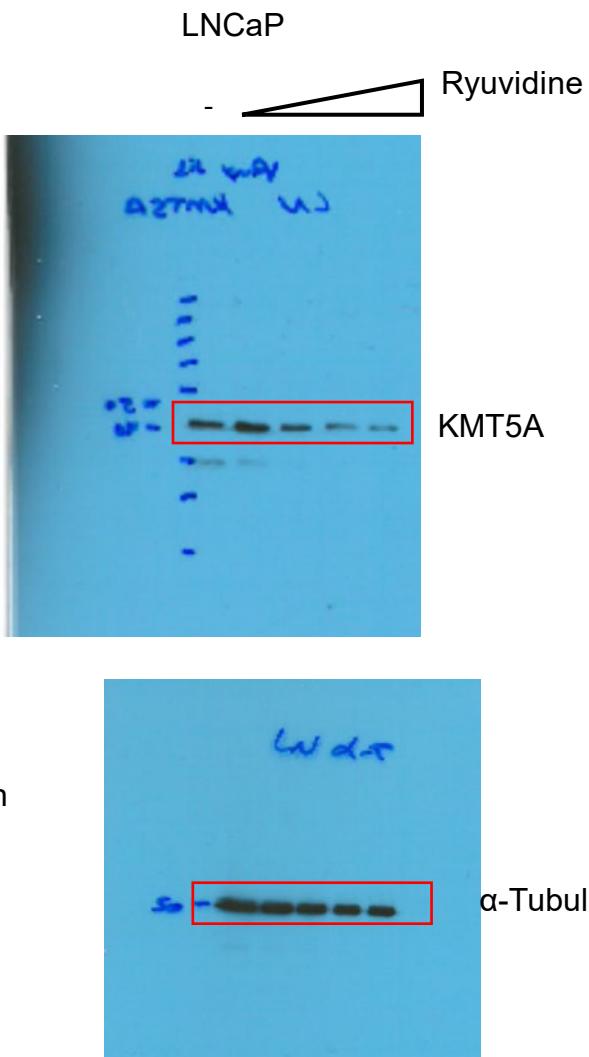
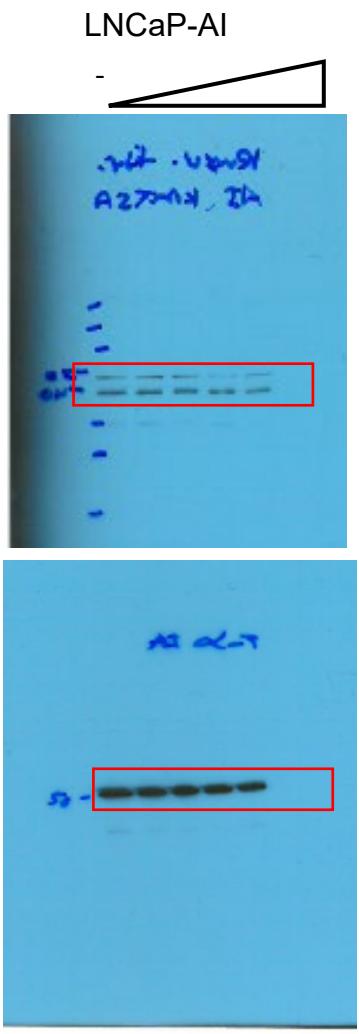
H4K20Me1



H4

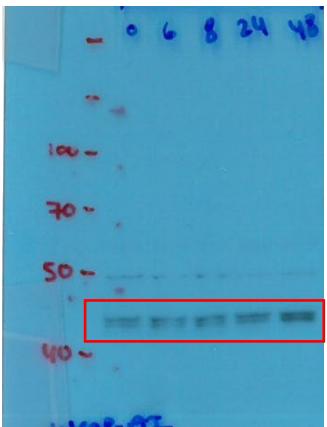
ZA

### Supplementary Figure 3 uncut blots

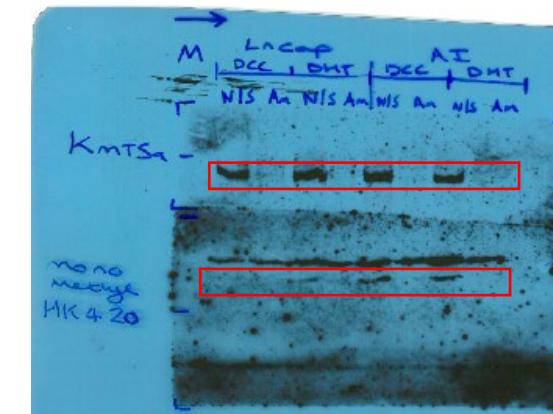
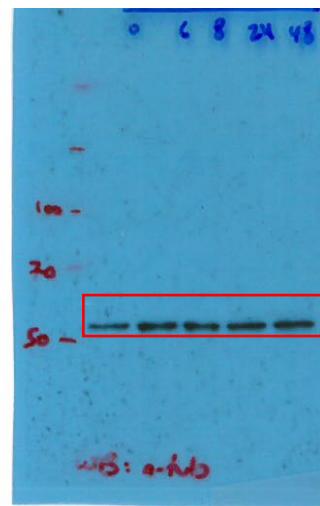


## Supplementary Figure 5 uncut blots

LNCaP



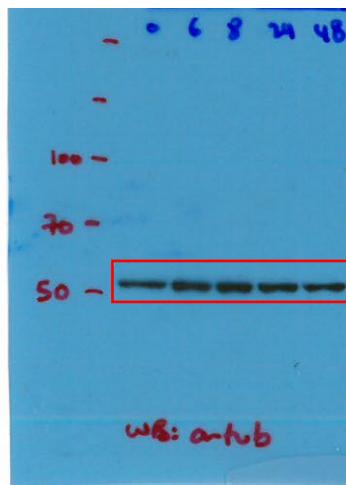
LNCaP



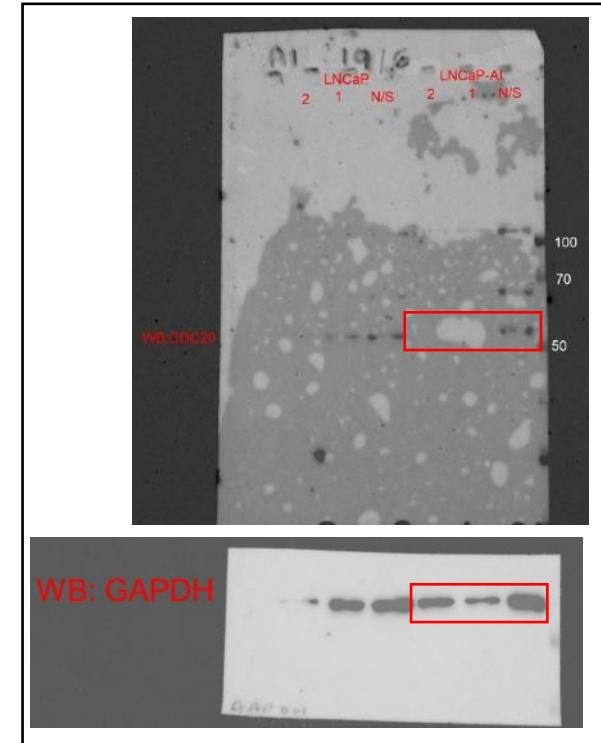
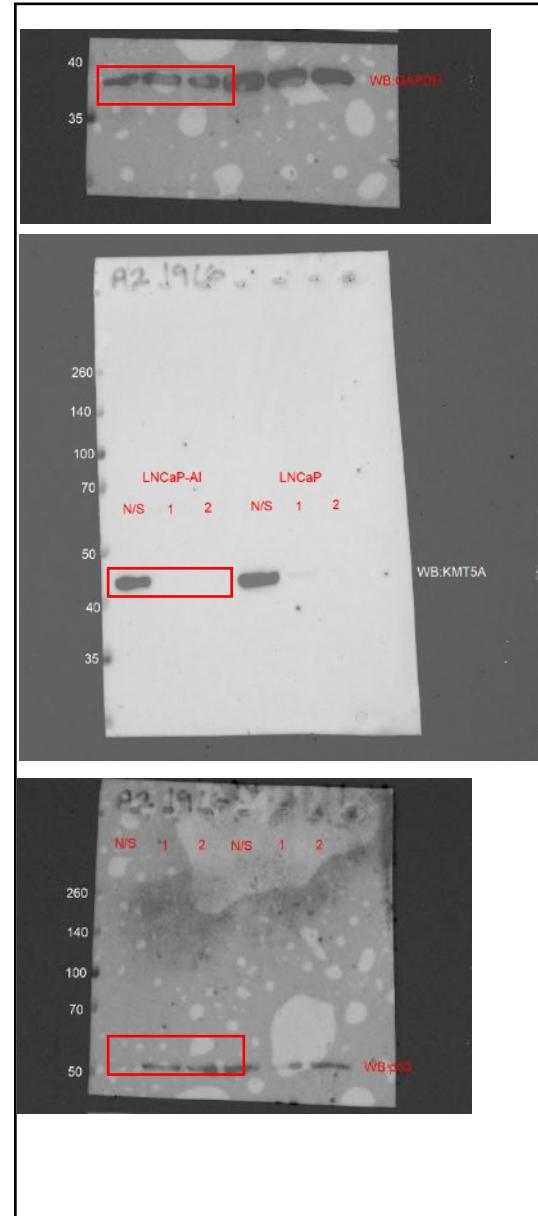
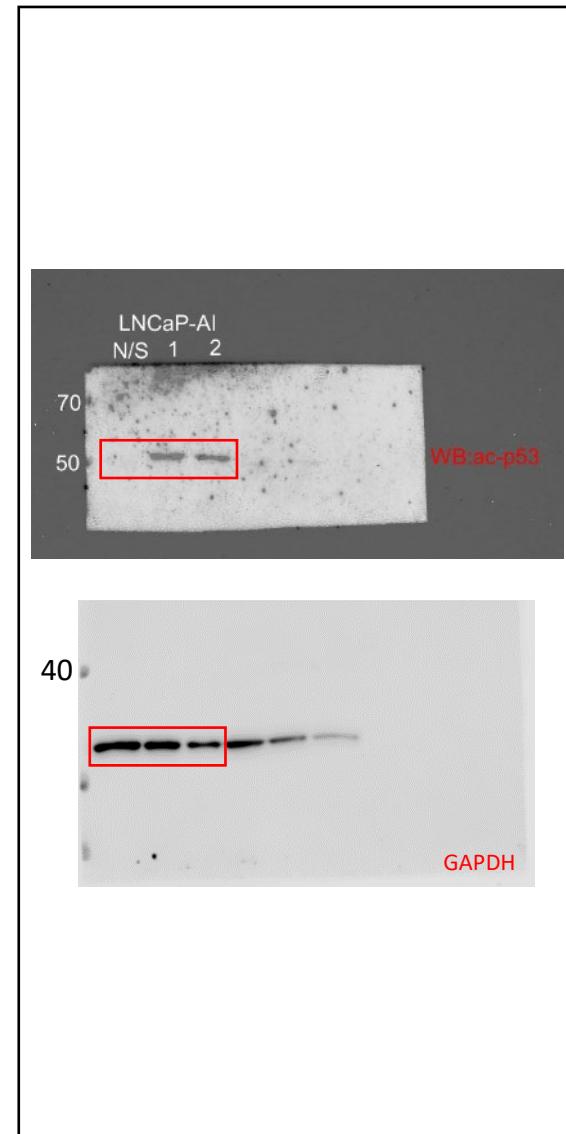
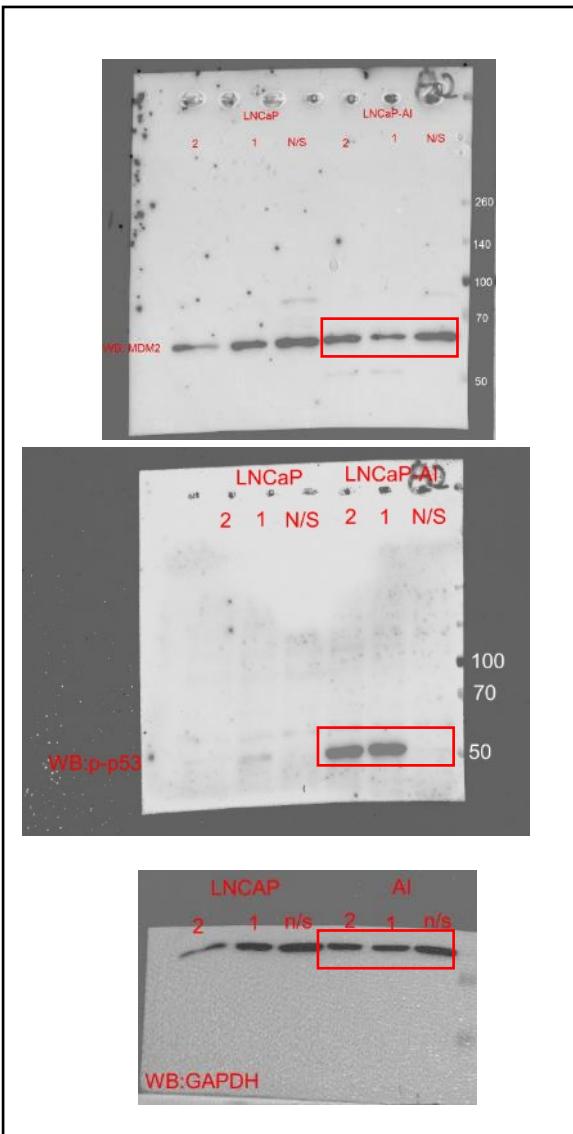
LNCaP-AI



LNCaP-AI



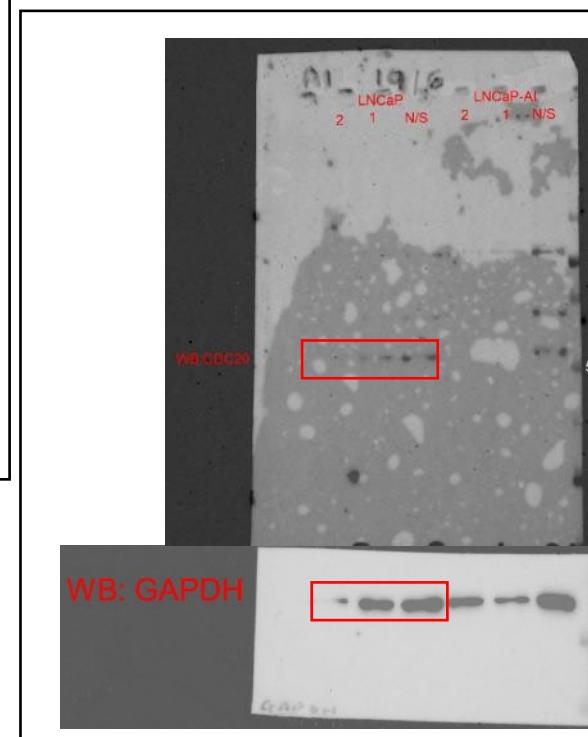
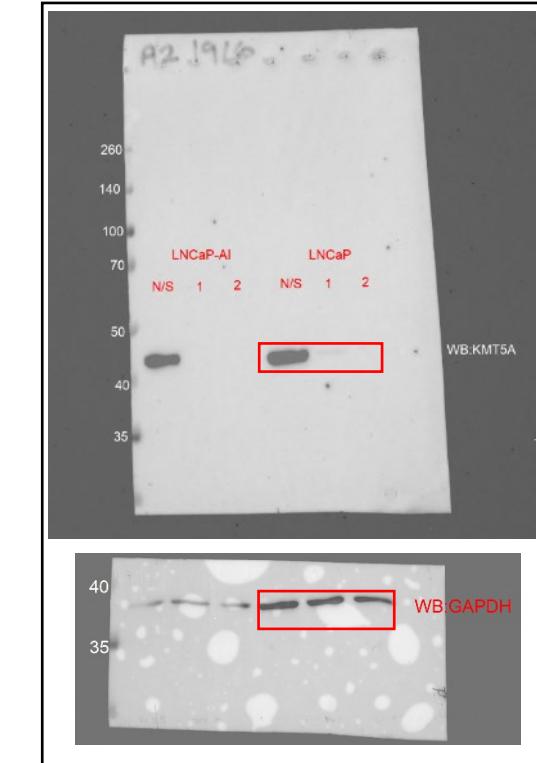
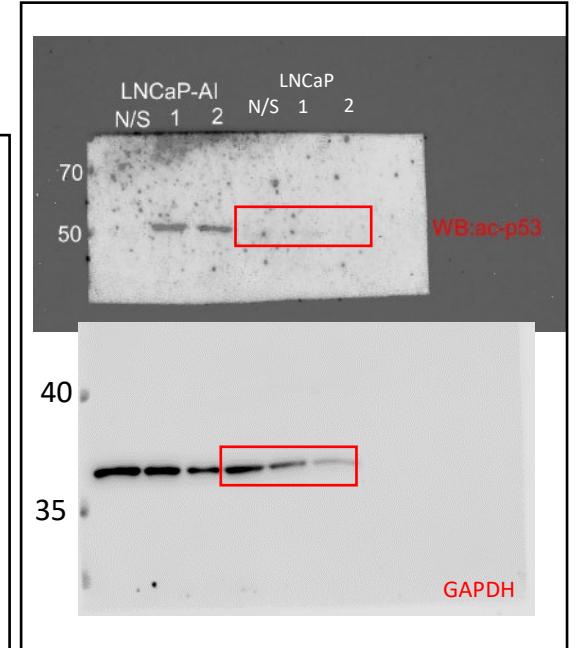
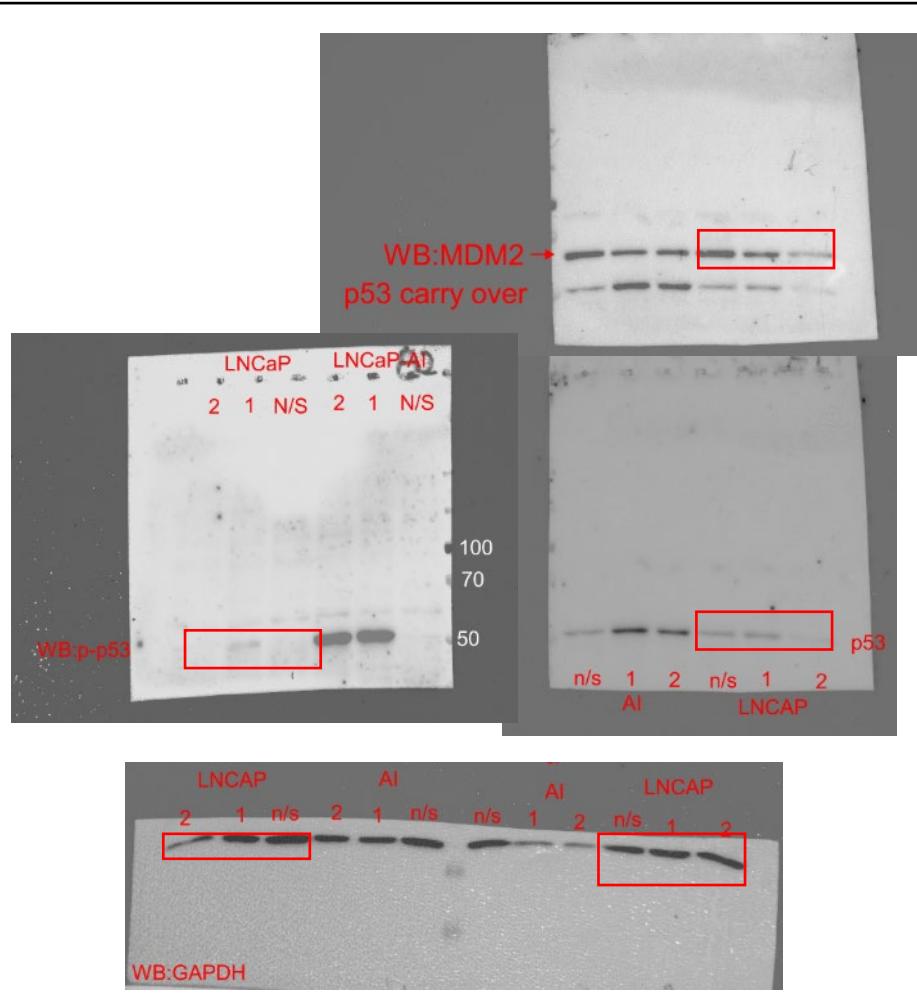
Supplementary Figure 6A uncut blots



LNCaP-AI uncut blot experimental repeat 3

KC, EL

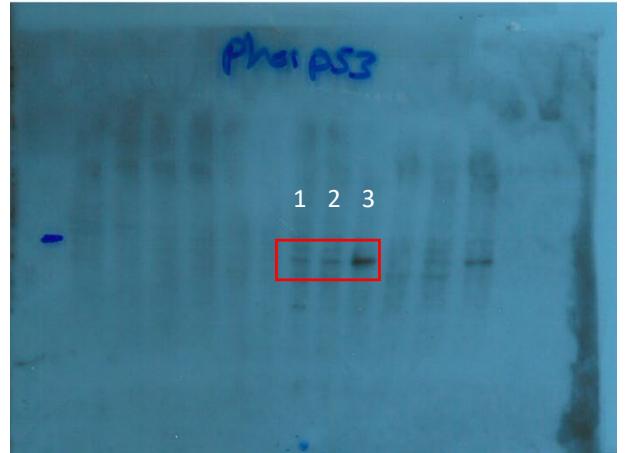
Supplementary Figure 6A uncut blots



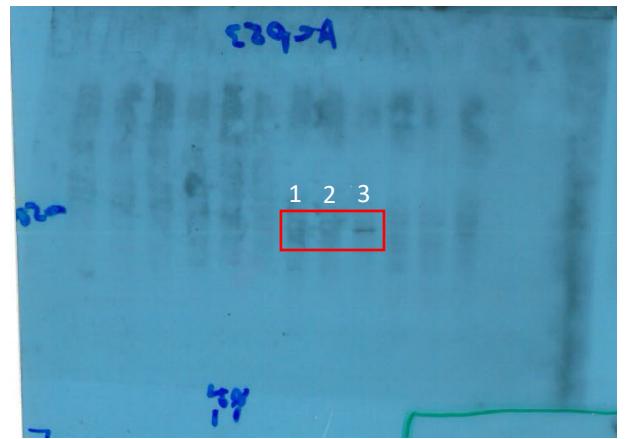
LNCaP uncut blot experimental repeat 3

KC, EL

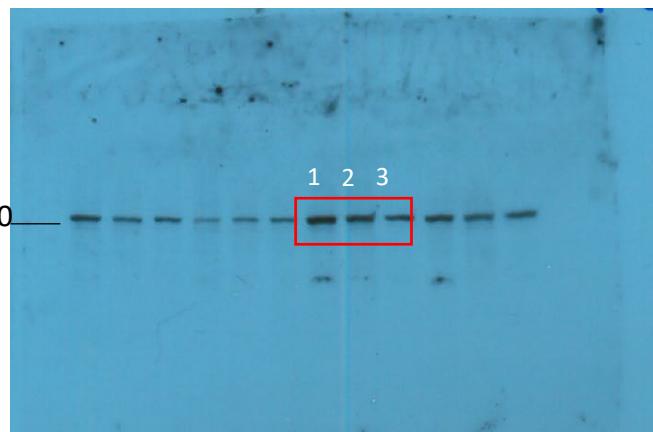
Supplementary Figure 6B uncut blots



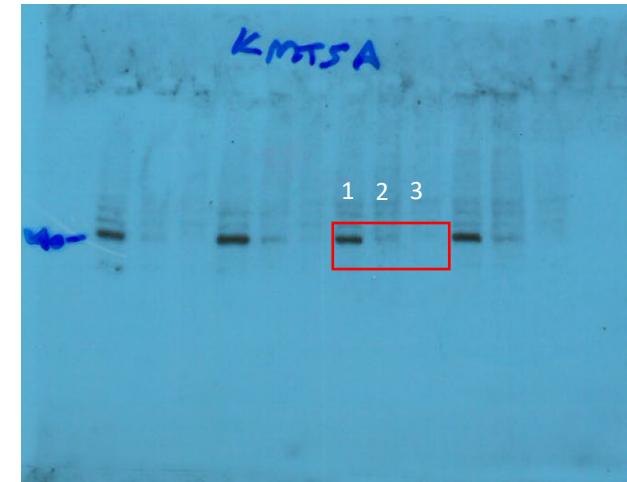
P53-p



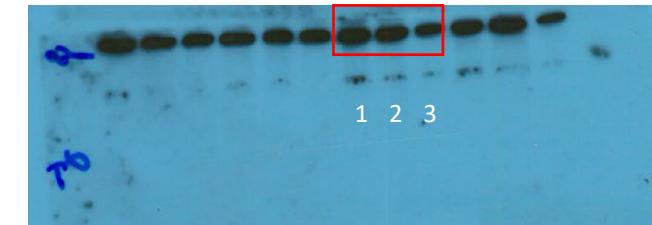
P53-Ac



p53



KMT5A

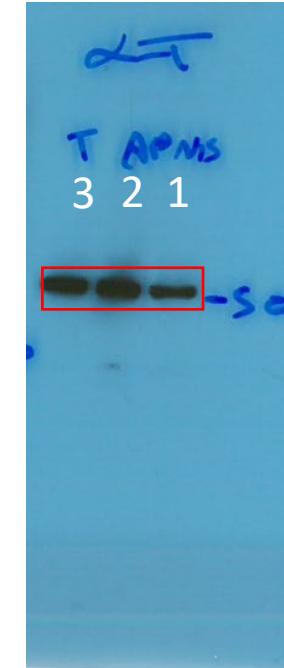
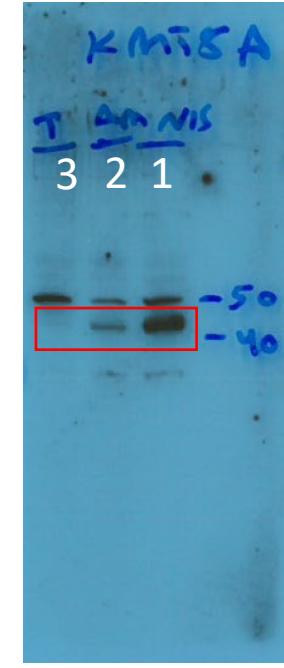
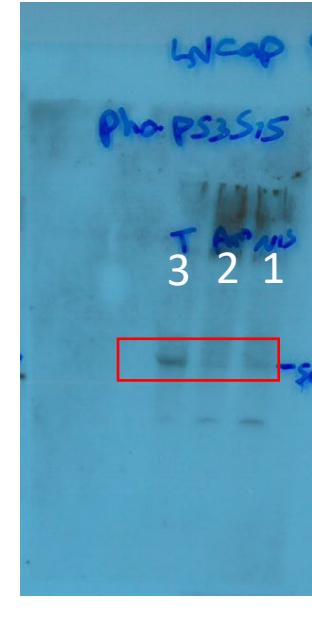
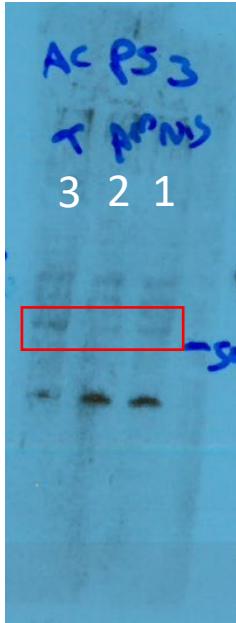
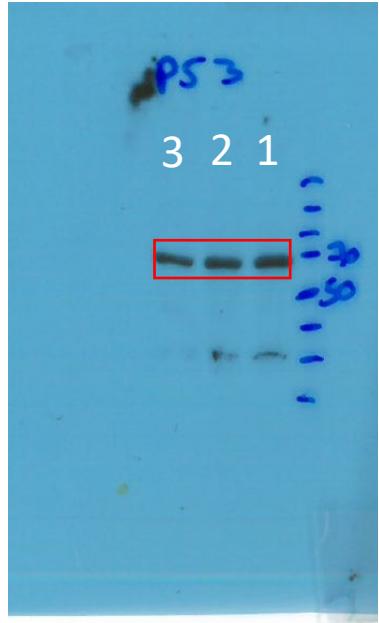


1. N/S
2. siKMT5A\_1
3. siKMT5A\_2

LNCaP-AI uncut blot experimental repeat 1

ZA

Supplementary Figure 6B uncut blots



1. N/S
2. siKMT5A\_1
3. siKMT5A\_2