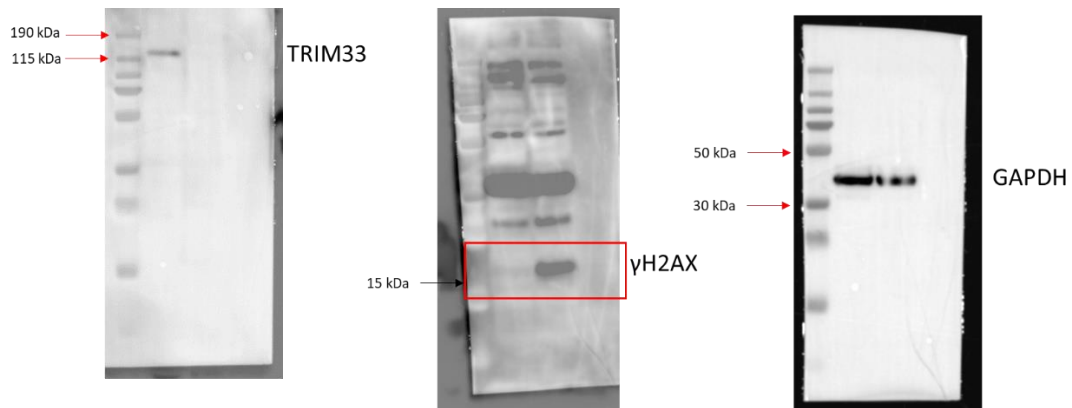


## Full Length Westerns

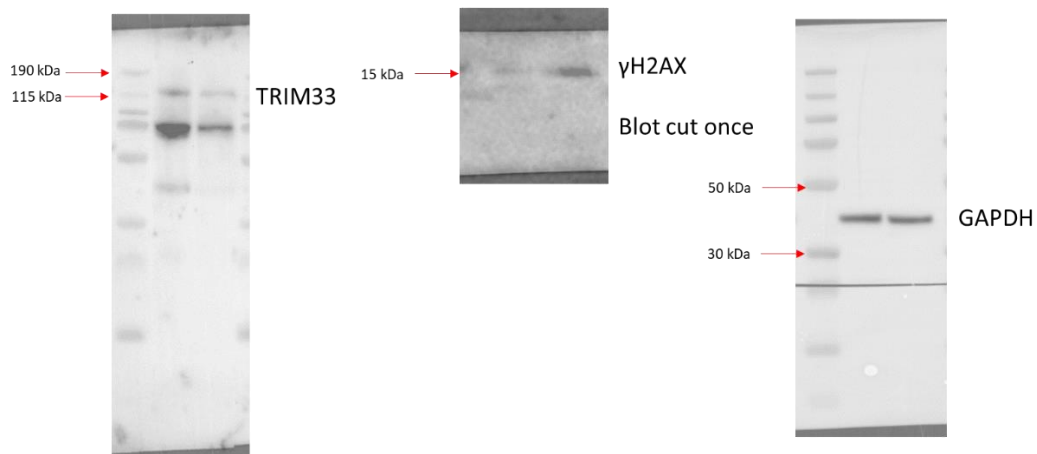
Below are full length Western blots related to images presented in the main manuscript and supplementary figures. Where possible we present full length membranes, however, there are some instances where membranes were cut prior to hybridization and/or the ladder and membrane edge have not saved as part of the image.

Figure 2

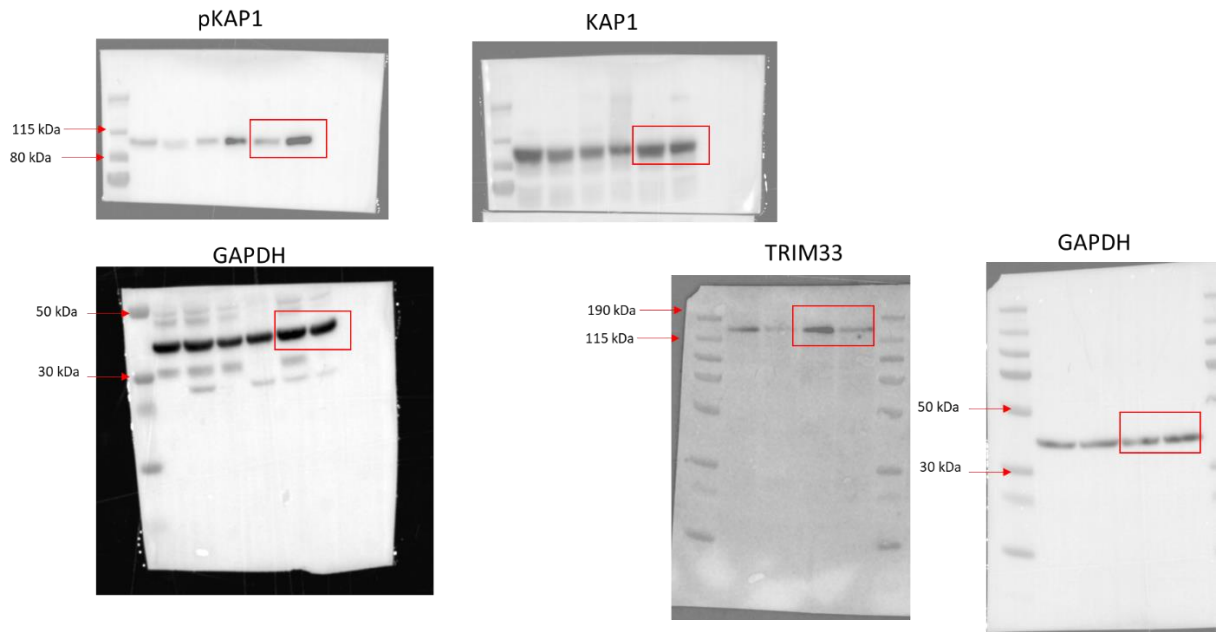
### 2B Left panel (JJN3)



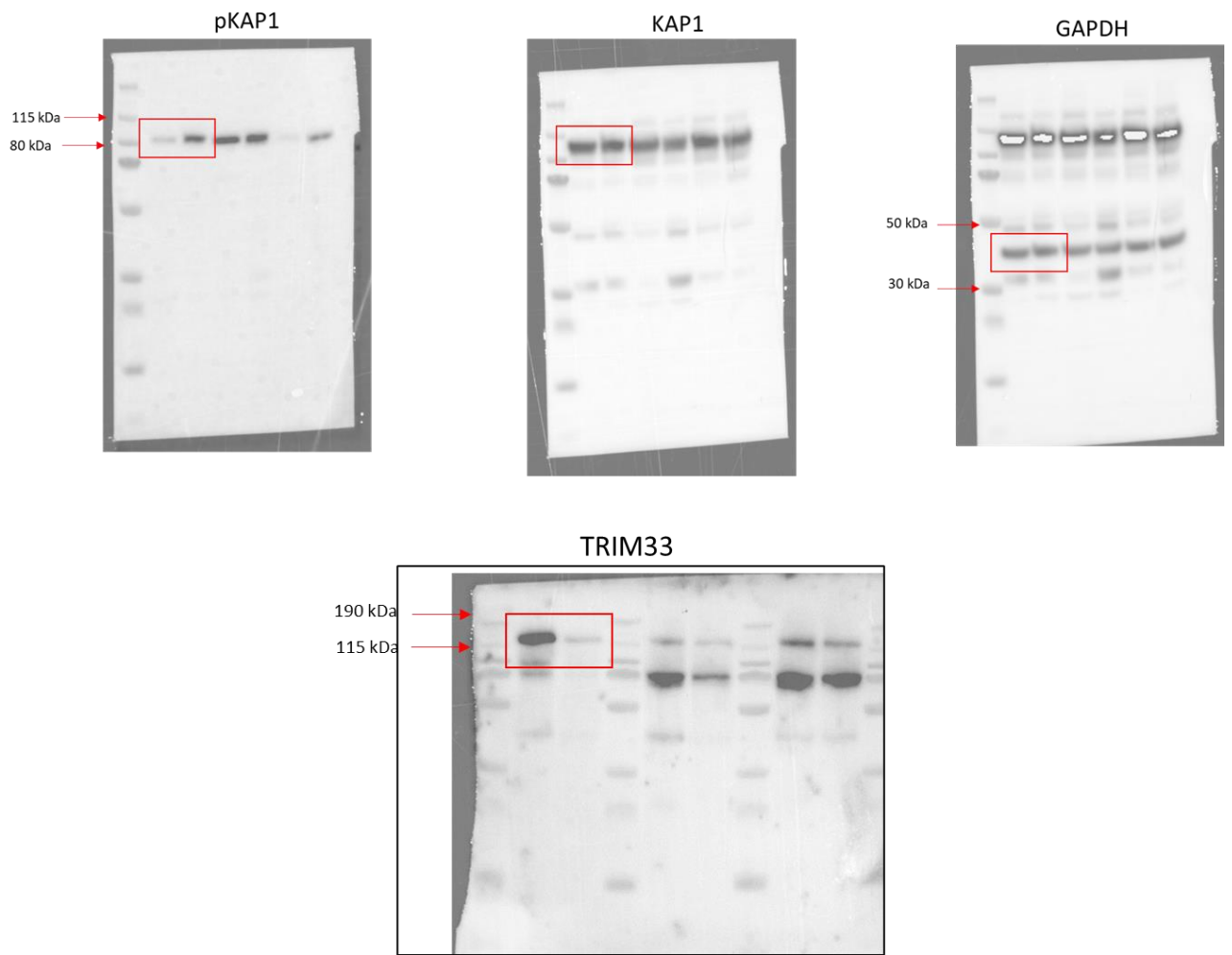
### 2B Right panel (U266)



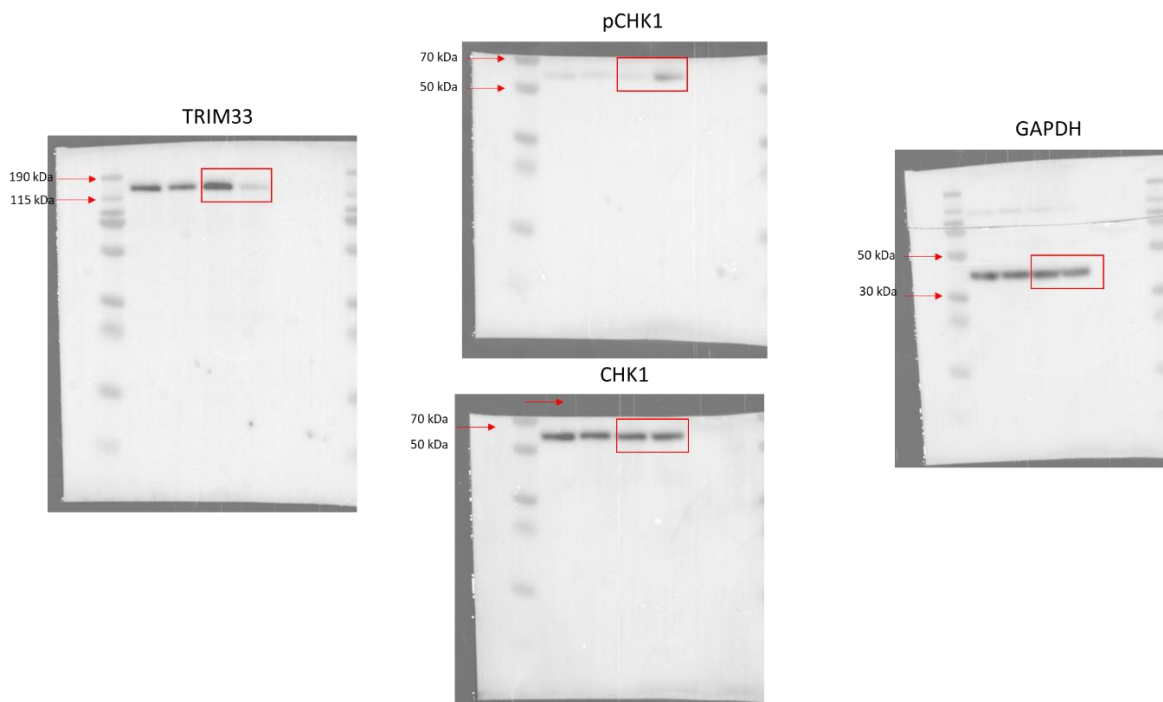
2C Left panel (JJN3)



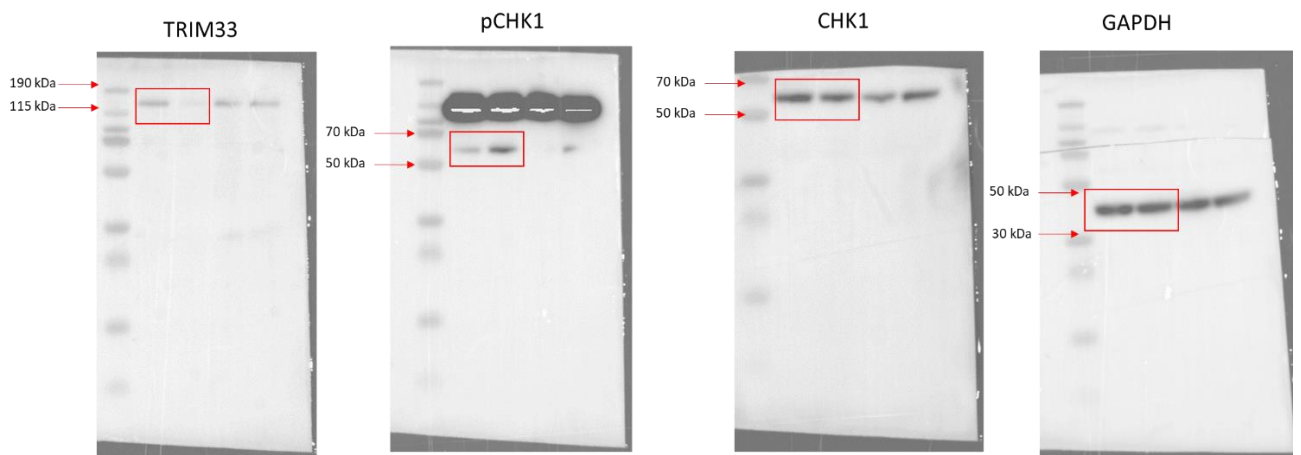
2C Right panel (U266)



2D left panel (JN3)

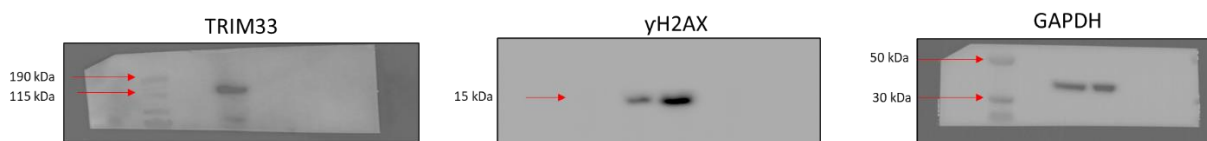


2D right panel (U266)

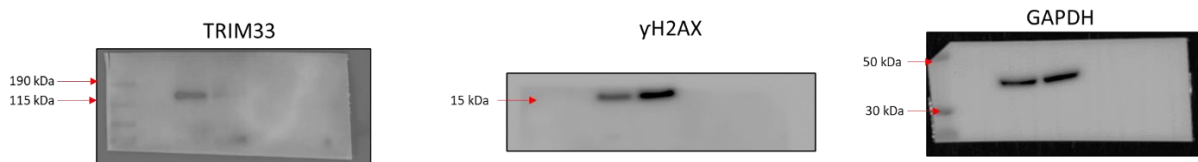


2E HR blots

Right panel (JJN3)



Left panel (U266)



2F NHEJ blots

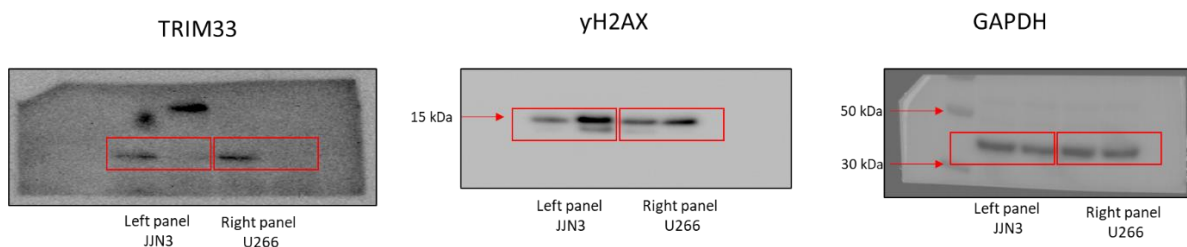


Figure 4

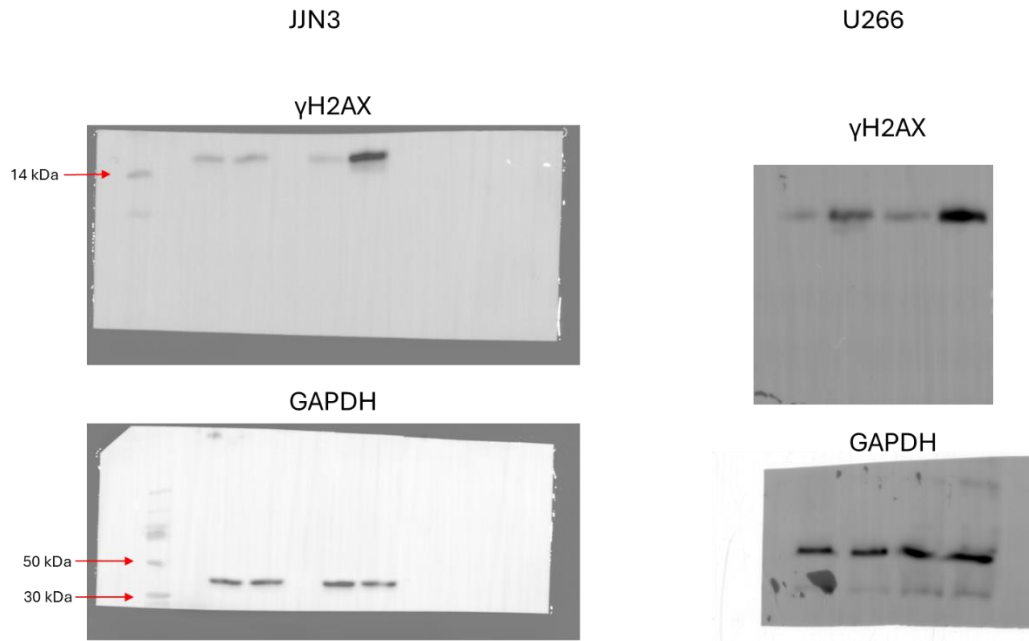
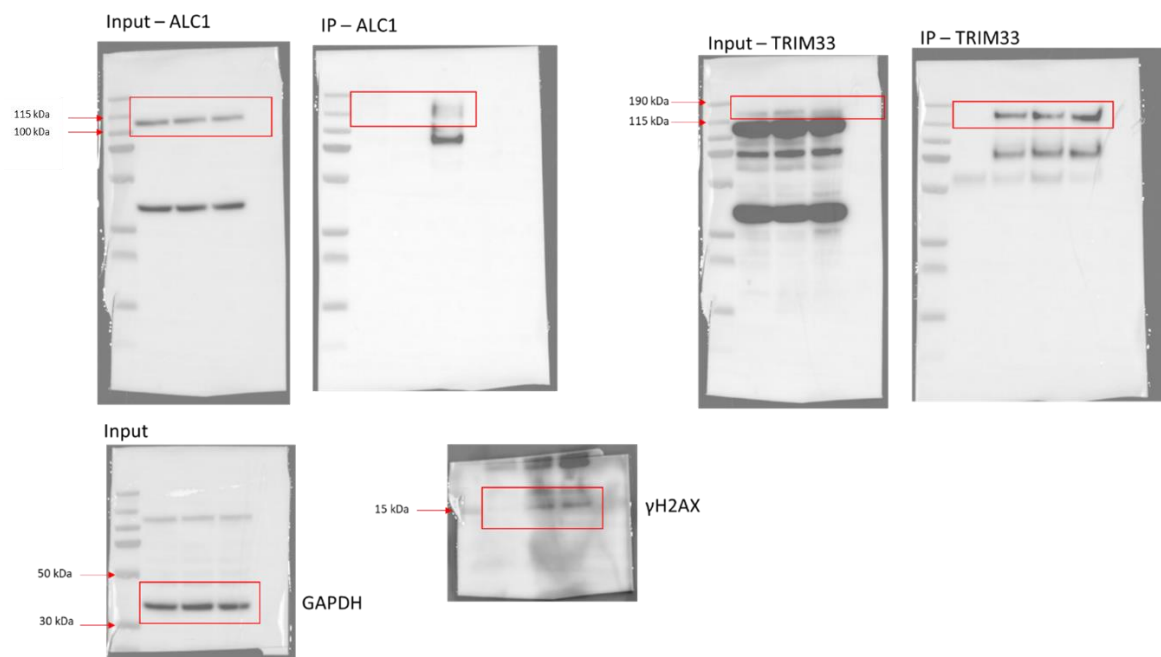


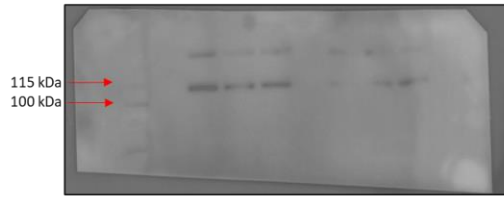
Figure 5

5A



5B

ALC1



INPUT

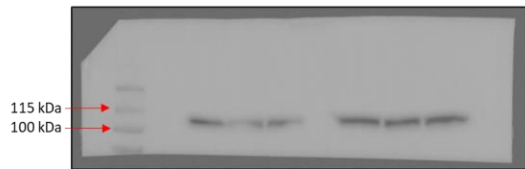
TRIM33



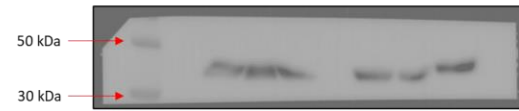
$\gamma$ H2AX



ALC1

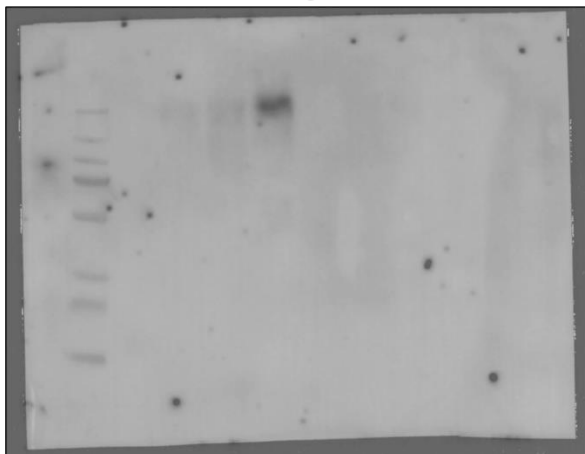


GAPDH

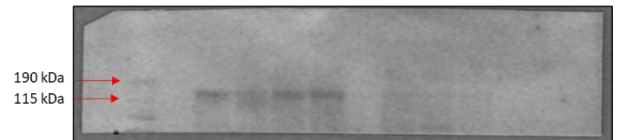


5C

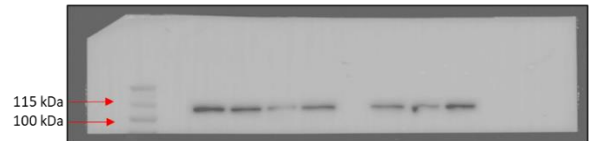
K48 Linkages



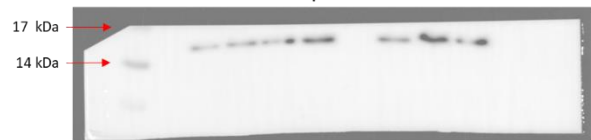
TRIM33



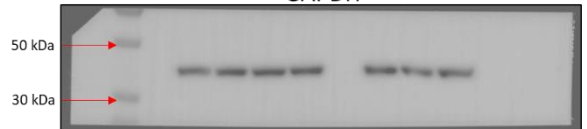
ALC1



$\gamma$ H2AX



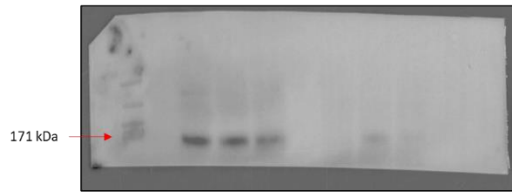
GAPDH



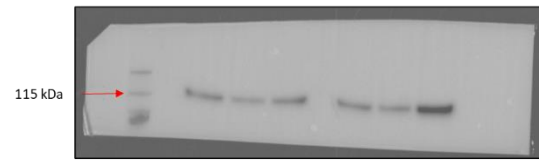


5D

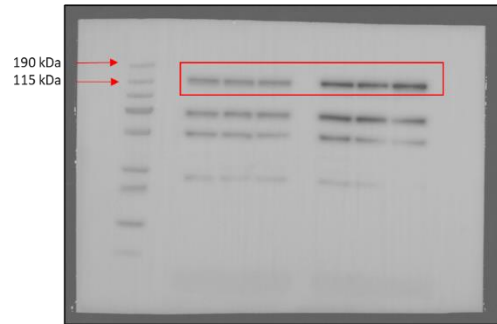
TRIM33



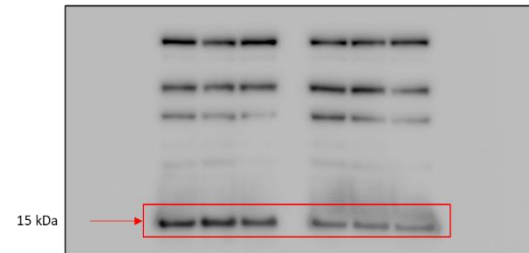
ALC1



PARP1

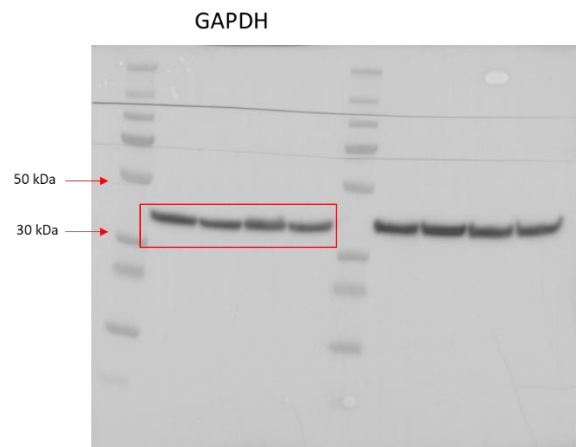
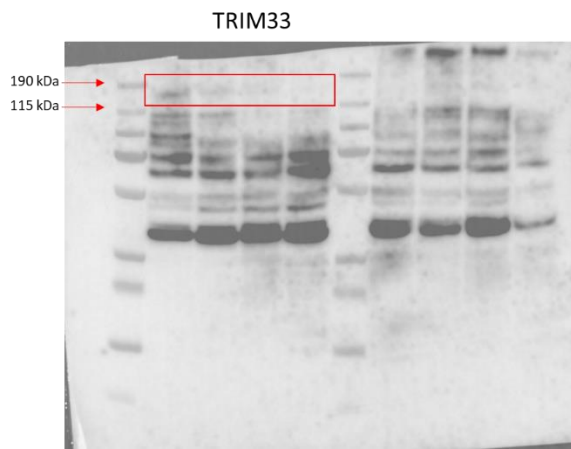


Histone H3

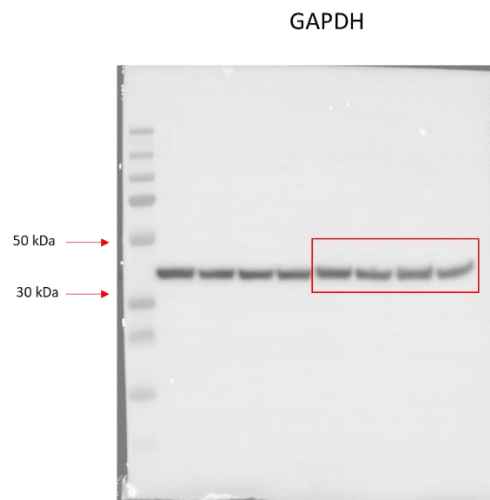
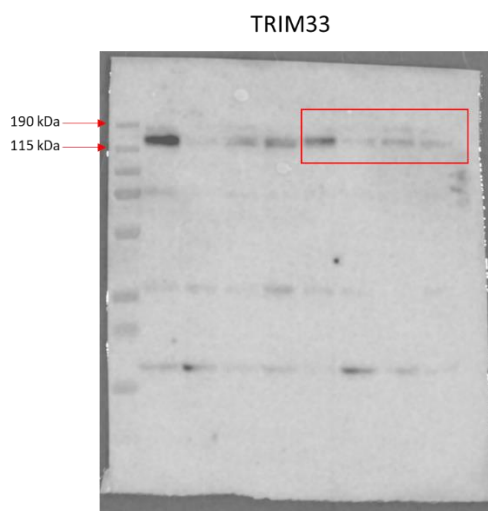


Supplementary Figure 1

Supplementary Figure 1A



Supplementary Figure 1B



Supplementary Figure 3

