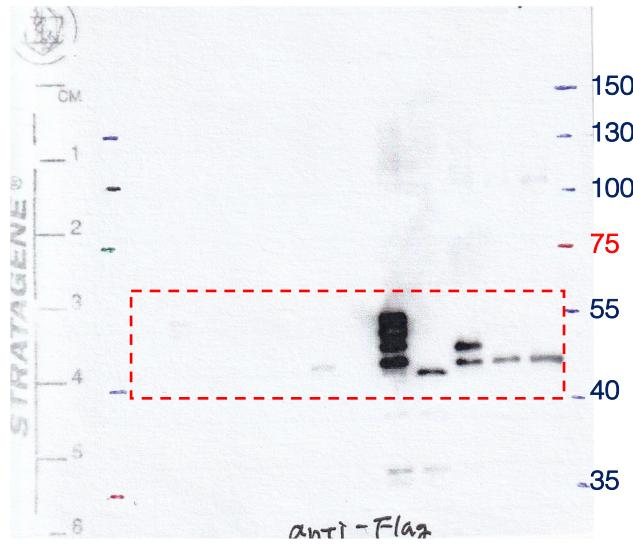


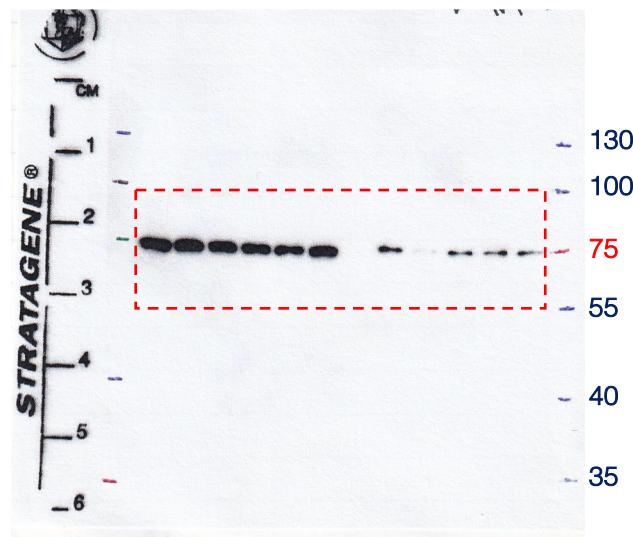
**Figure 1A**  
GFP



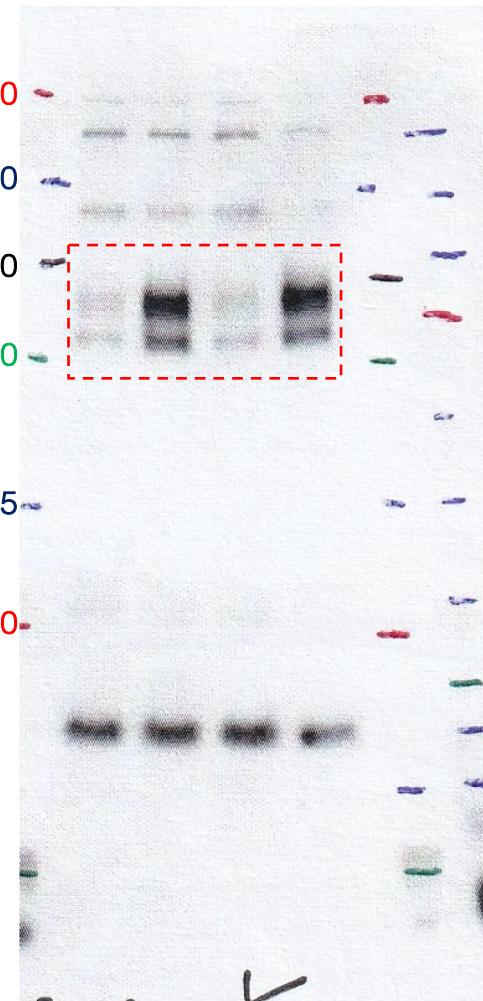
**Figure 3**  
Flag



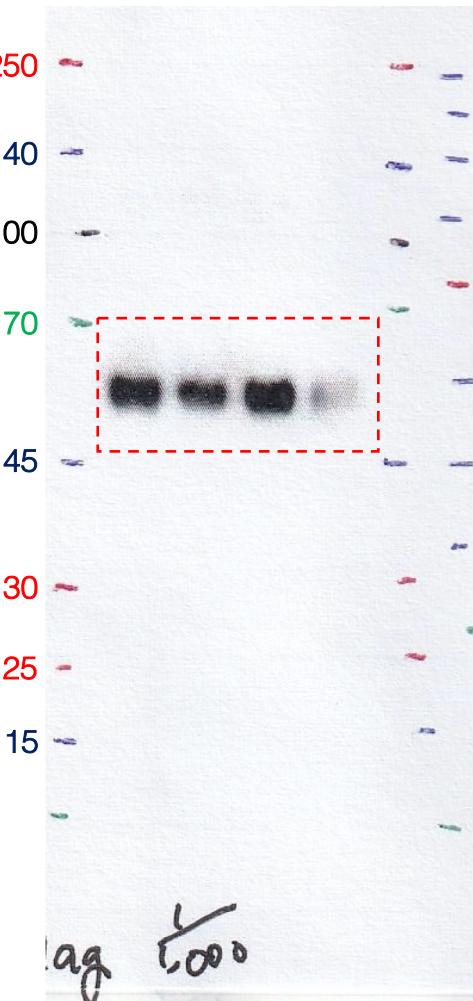
**Figure 3**  
Calnexin



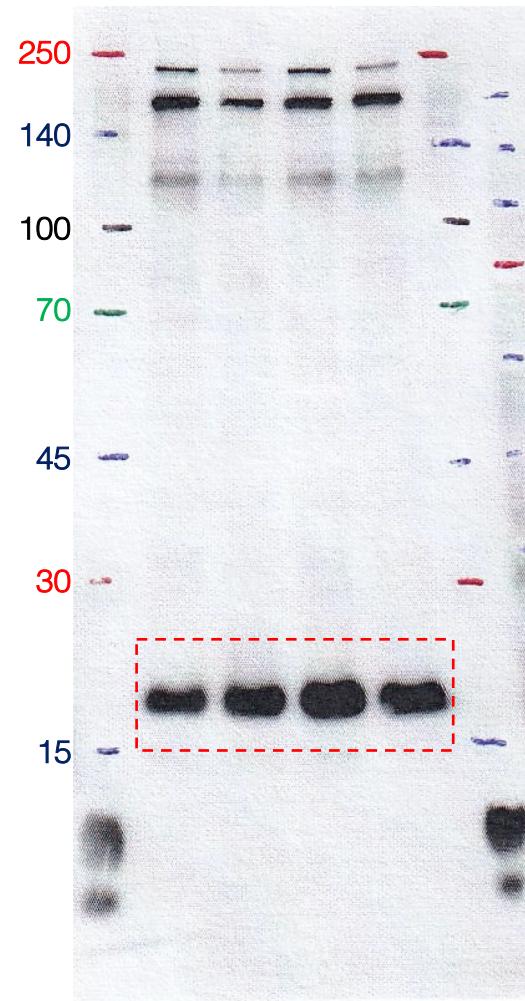
**Figure 3**  
BiP



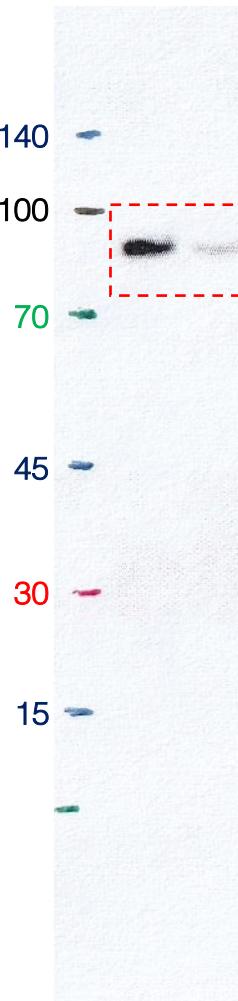
**Figure 4C**  
GFP



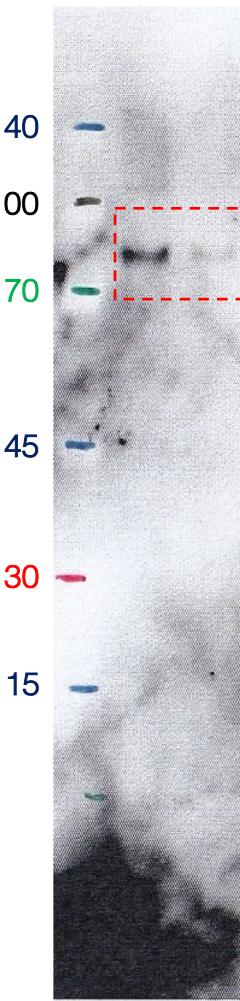
**Figure 4C**  
NHK-Flag



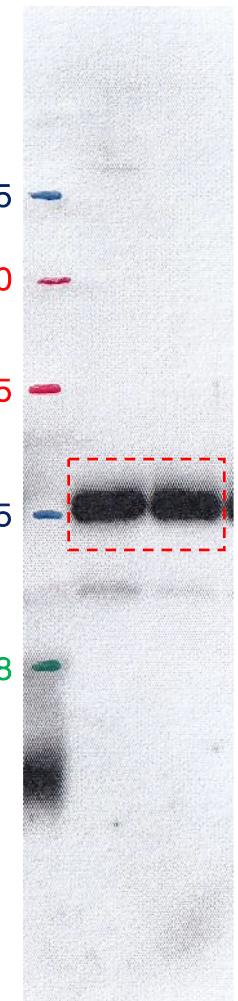
**Figure 4C**  
Histone-H3



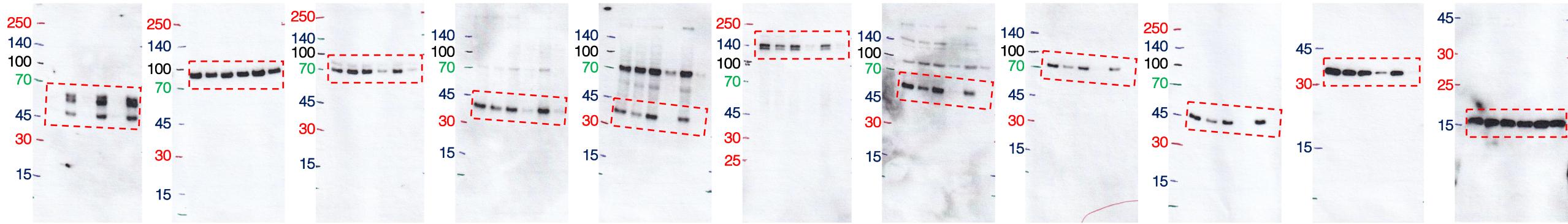
**Figure 4E**  
Calnexin



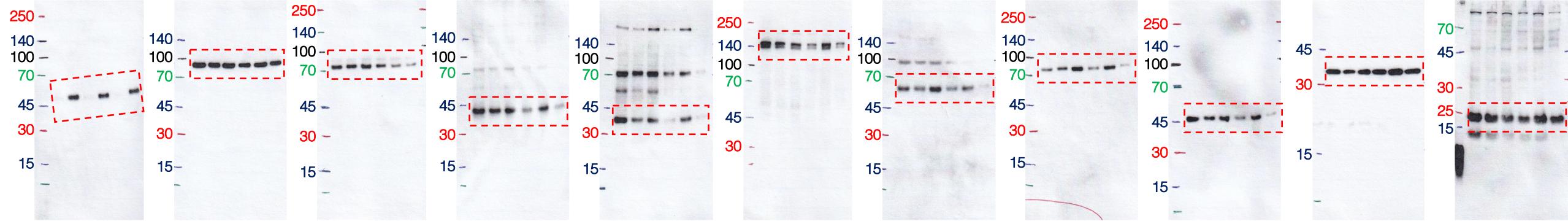
**Figure 4E**  
NHK-DsRed



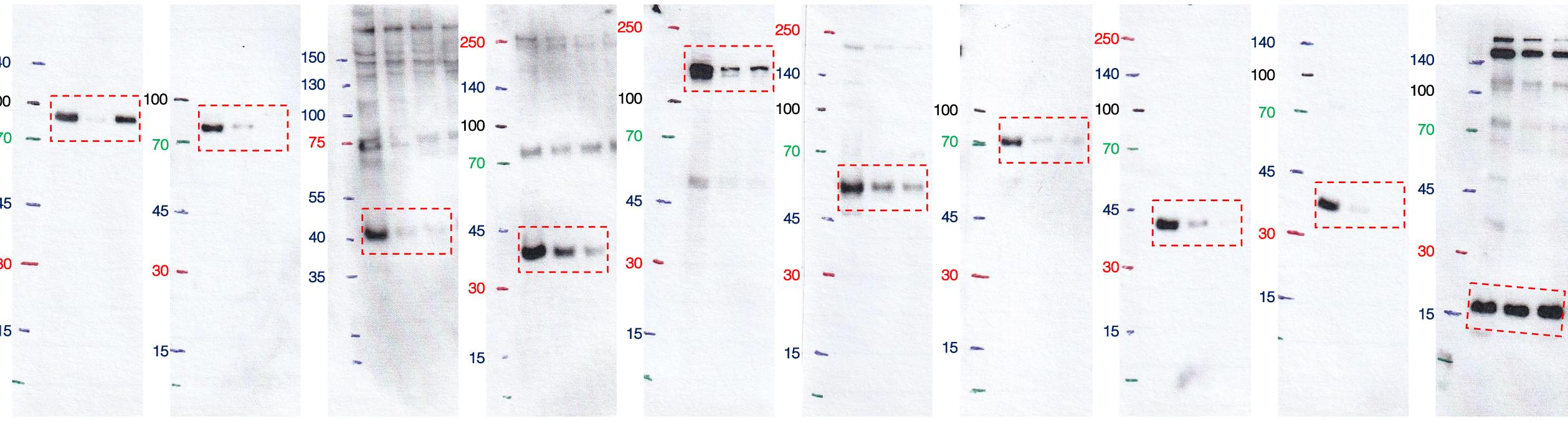
**Figure 4E**  
Hsitone-H3



**Figure 5A**  
Flag      Calnexin      BiP      UBE2J1      CREB3L4      GM130      GOPC      HSC70       $\beta$ -actin      GAPDH      Histone-H3



**Figure 5B**  
Flag      Calnexin      BiP      UBE2J1      CREB3L4      GM130      GOPC      HSC70       $\beta$ -actin      GAPDH      Histone-H3



**Figure 5G**  
Calnexin

**Figure 5G**  
BiP

**Figure 5G**  
UBE2J1

**Figure 5G**  
CREB3L4

**Figure 5G**  
GM130

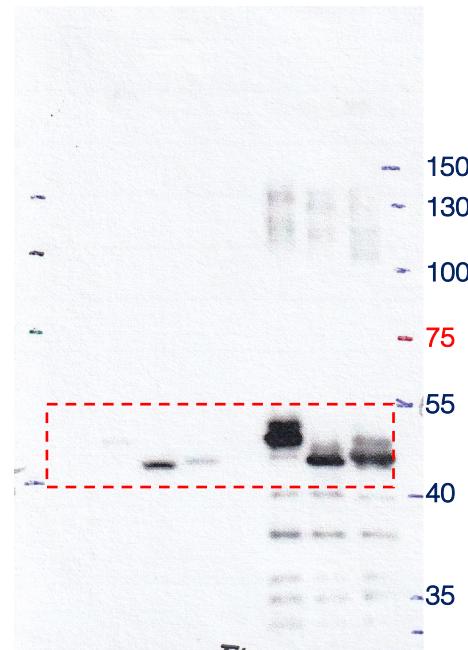
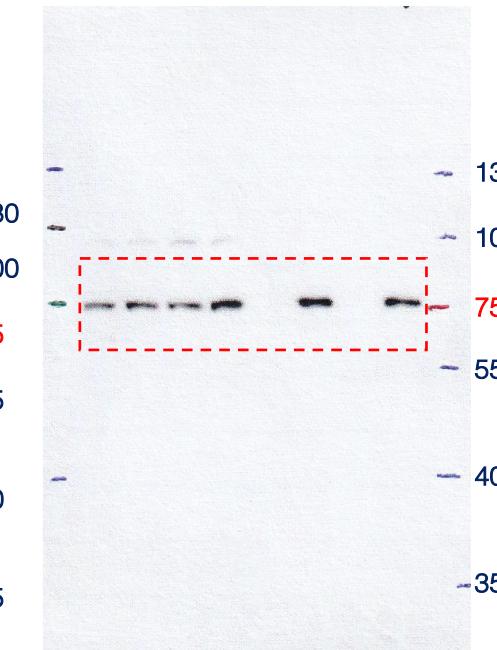
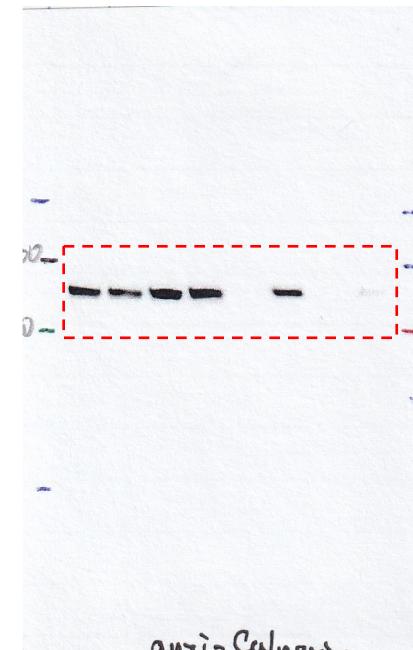
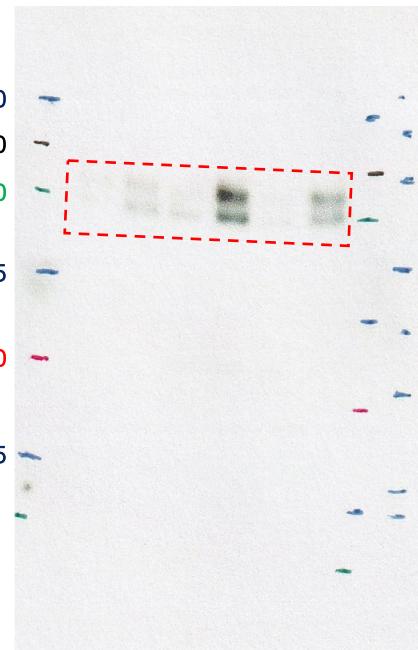
**Figure 5G**  
GOPC

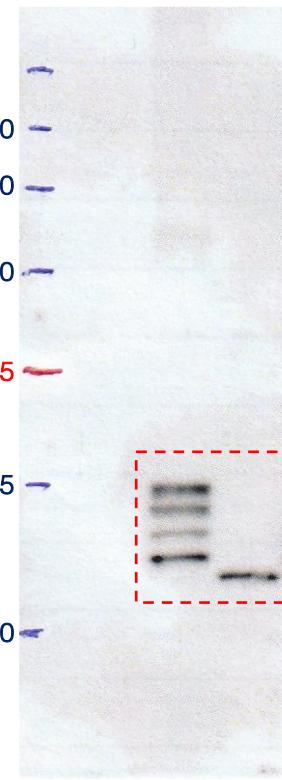
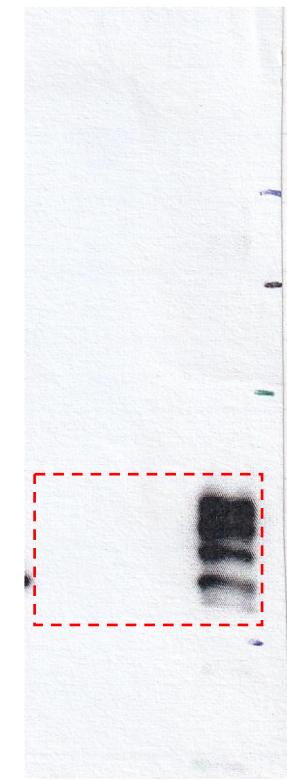
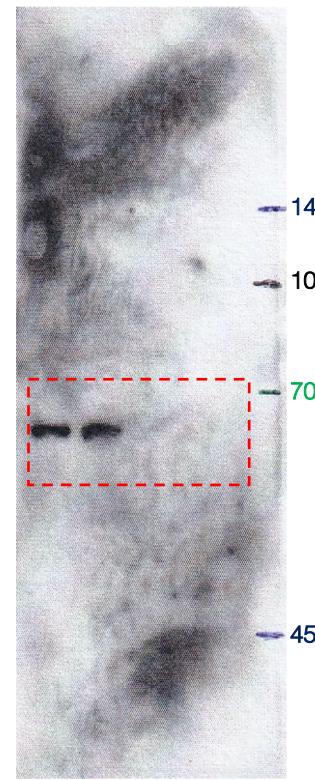
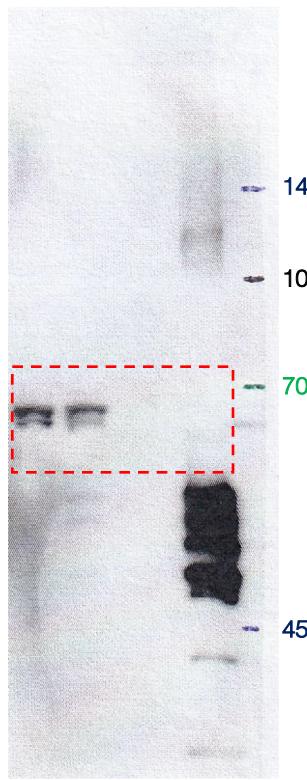
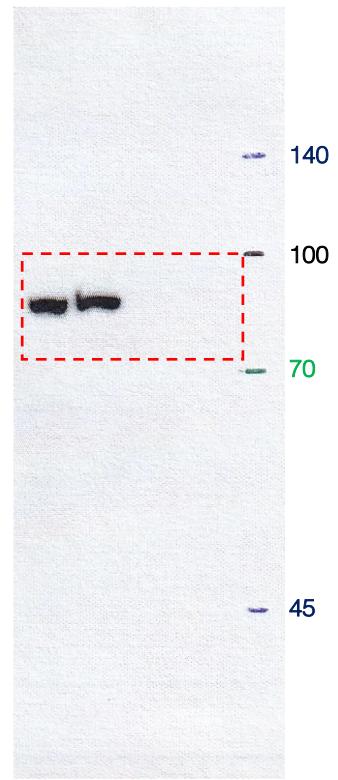
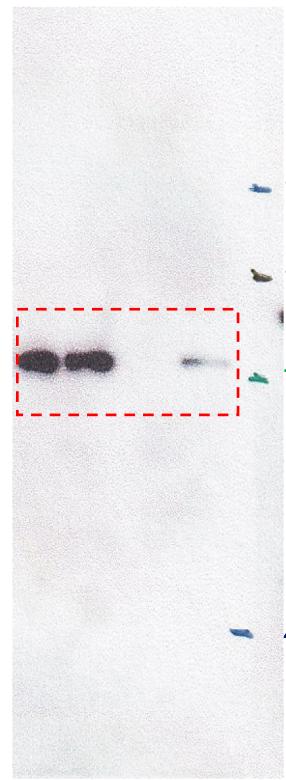
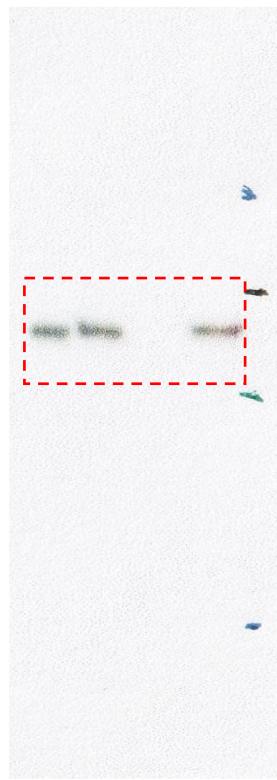
**Figure 5G**  
HSC70

**Figure 5G**  
β-actin

**Figure 5G**  
GAPDH

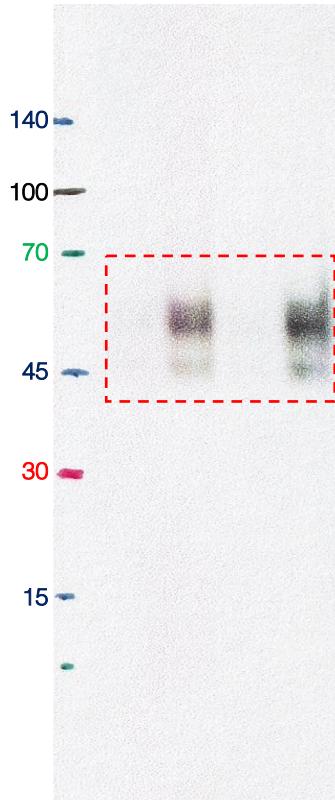
**Figure 5G**  
Histone-H3



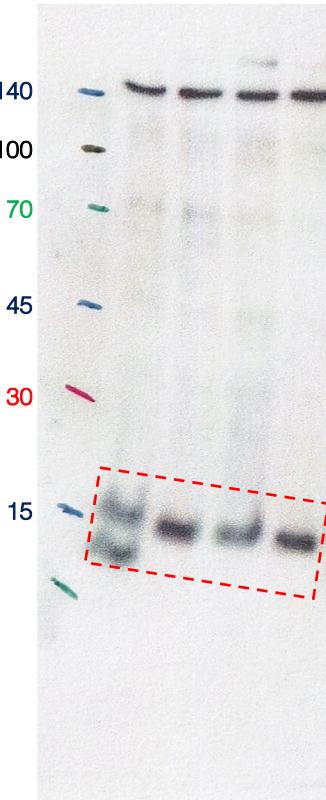


## GALNTL5

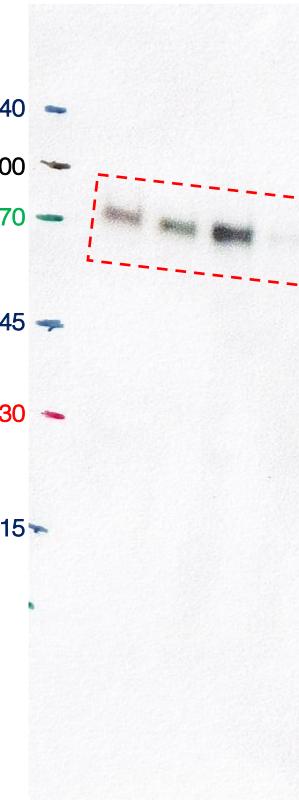
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Supplementary  
Figure 5A  
Flag



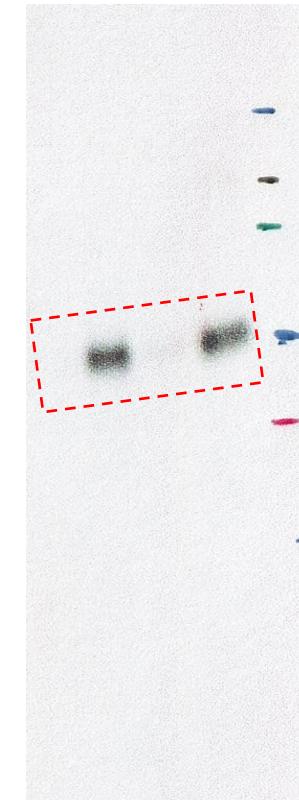
Supplementary  
Figure 5A  
Histone-H3



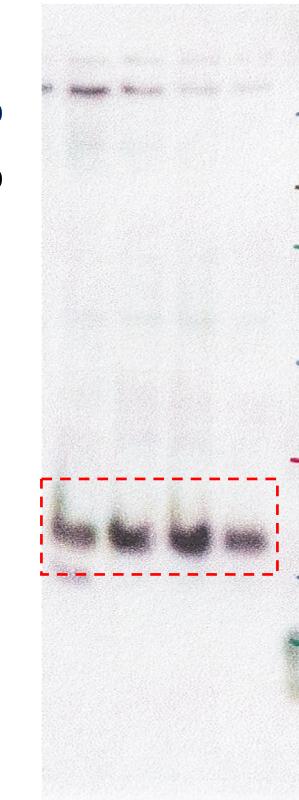
Supplementary  
Figure 5A  
NHK-DsRed

## GALNTL5Quad.

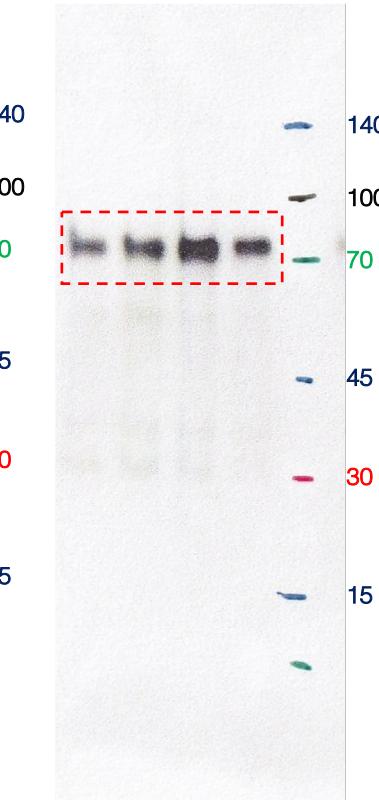
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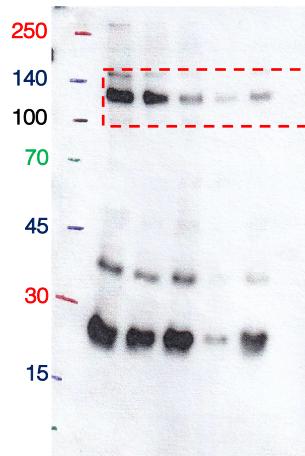
Supplementary  
Figure 5A  
Flag



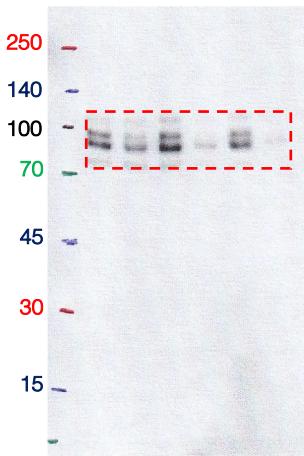
Supplementary  
Figure 5A  
Histone-H3



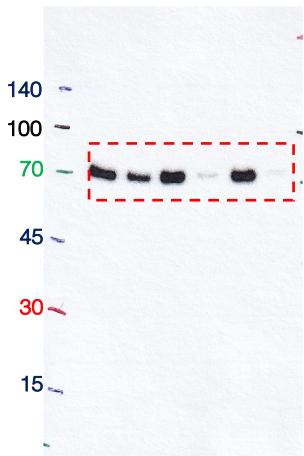
Supplementary  
Figure 5A  
NHK-DsRed



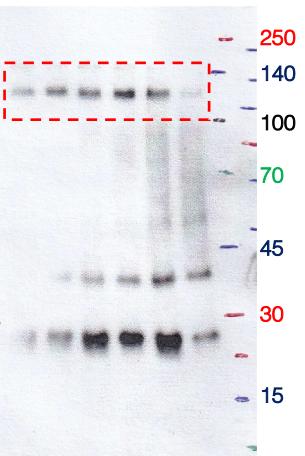
Supplementary  
Figure 6A  
IRE1 $\alpha$



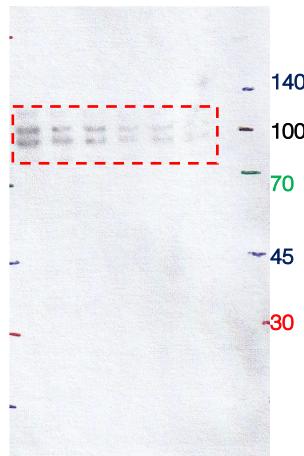
Supplementary  
Figure 6A  
OS9



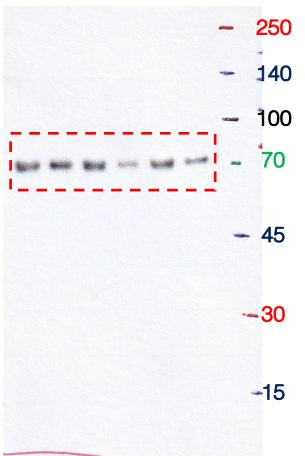
Supplementary  
Figure 6A  
HSP70



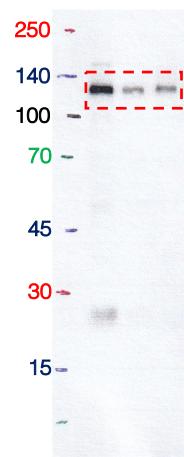
Supplementary  
Figure 6B  
IRE1 $\alpha$



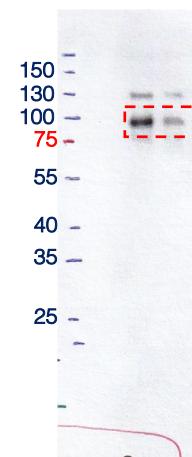
Supplementary  
Figure 6B  
OS9



Supplementary  
Figure 6B  
HSP70



Supplementary  
Figure 6C  
IRE1 $\alpha$



Supplementary  
Figure 6C  
OS9



Supplementary  
Figure 6C  
HSP70