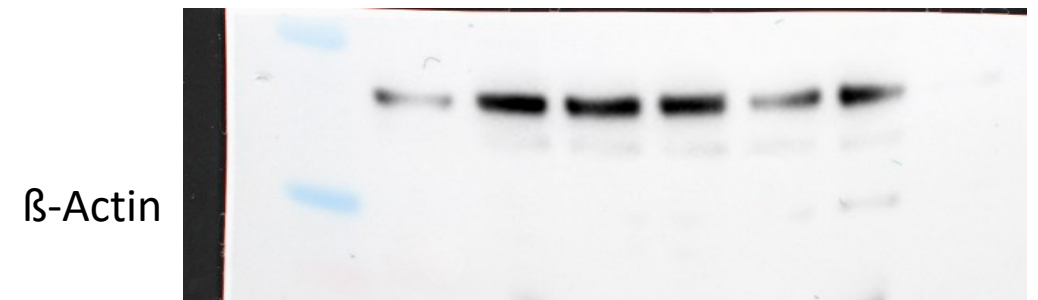
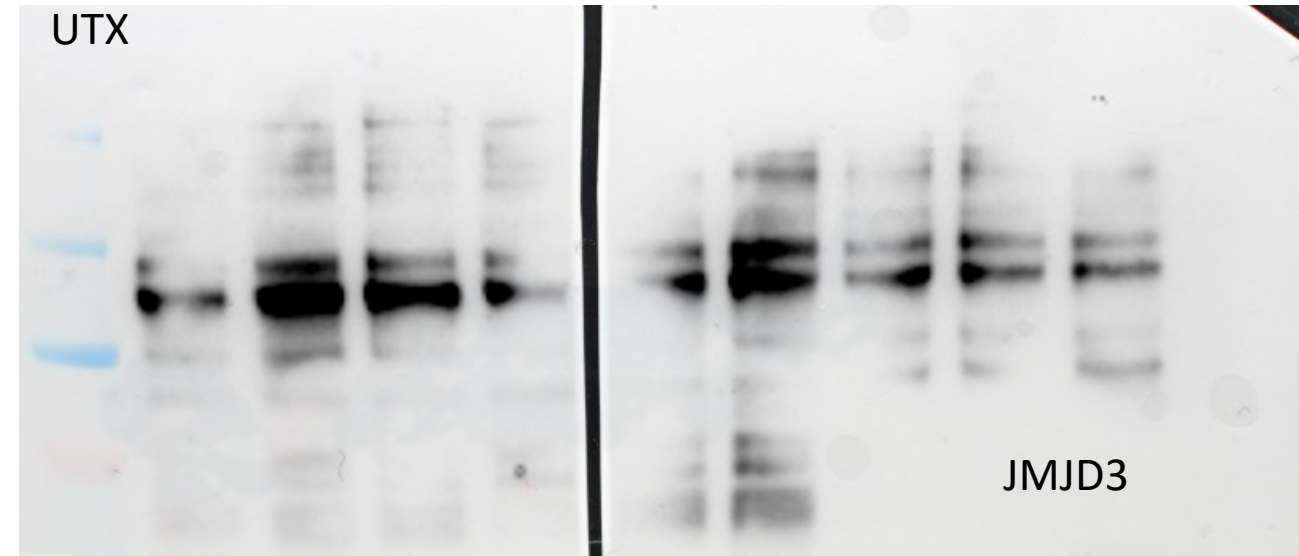
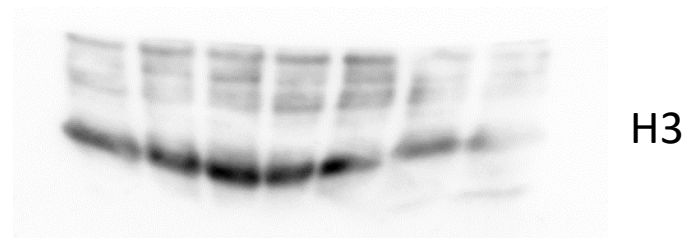
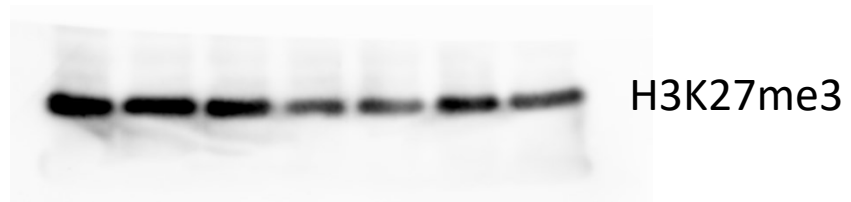
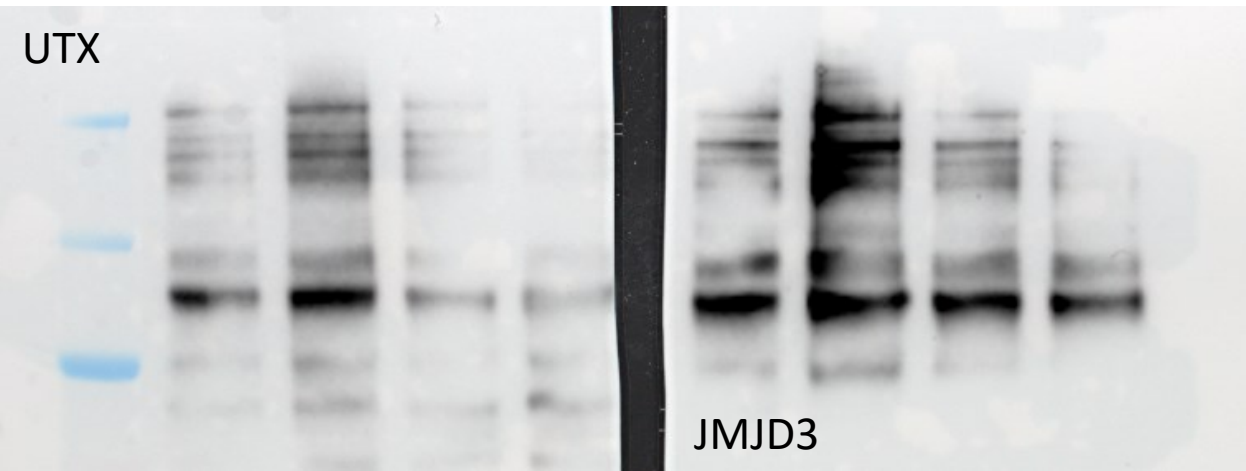


# Western Blot (Figure 5C)

SAS

1. Sham
2. Sham+GSKJ1
3. IR
4. IR+GSKJ1



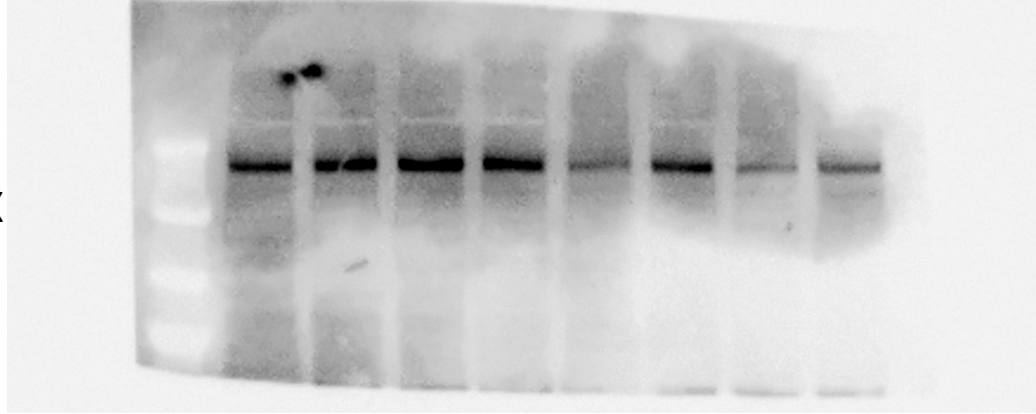
# Western Blot (Figure 5C)

Cal33, n1&2

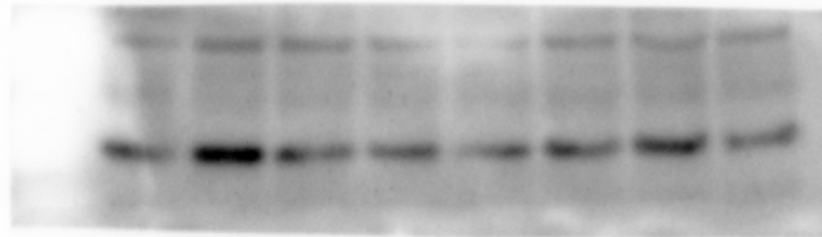
H3



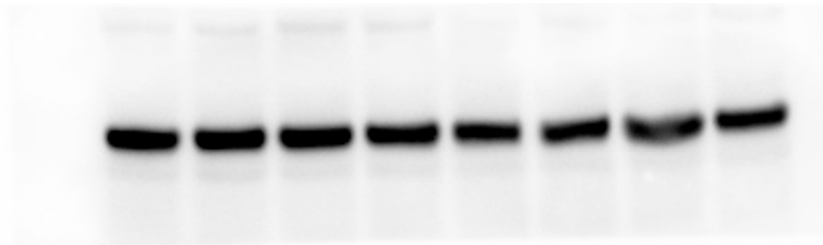
UTX



H3K27m3



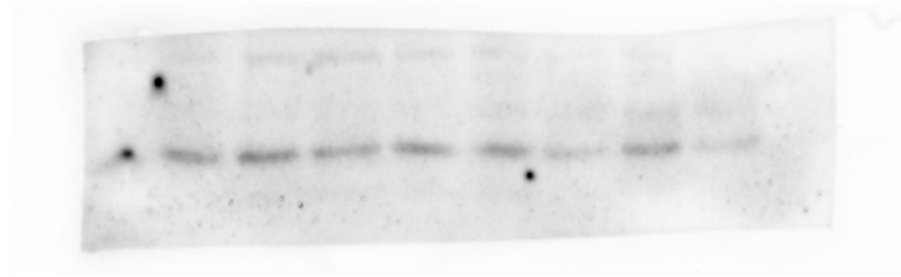
B-actin



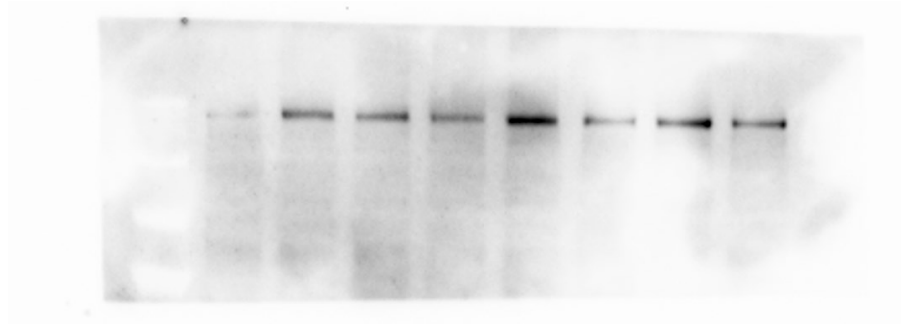
# Western Blot (Figure 5C)

n=3 Cal33+SAS

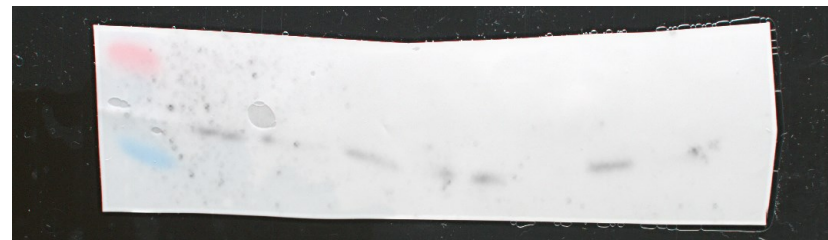
H3



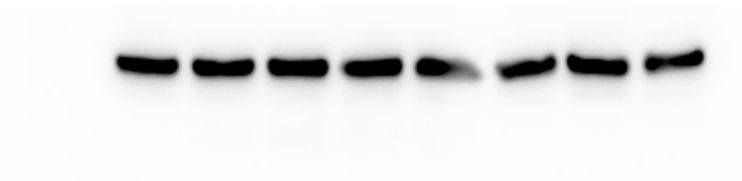
UTX



H3K27m3



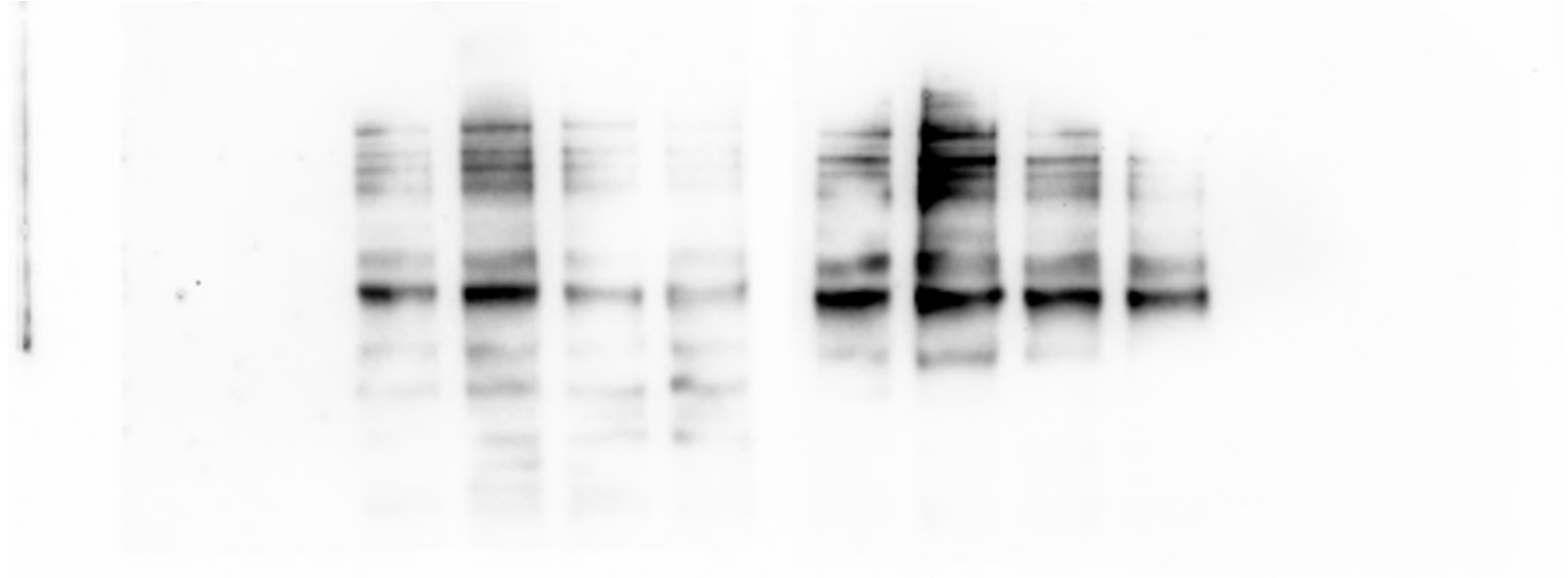
B-actin



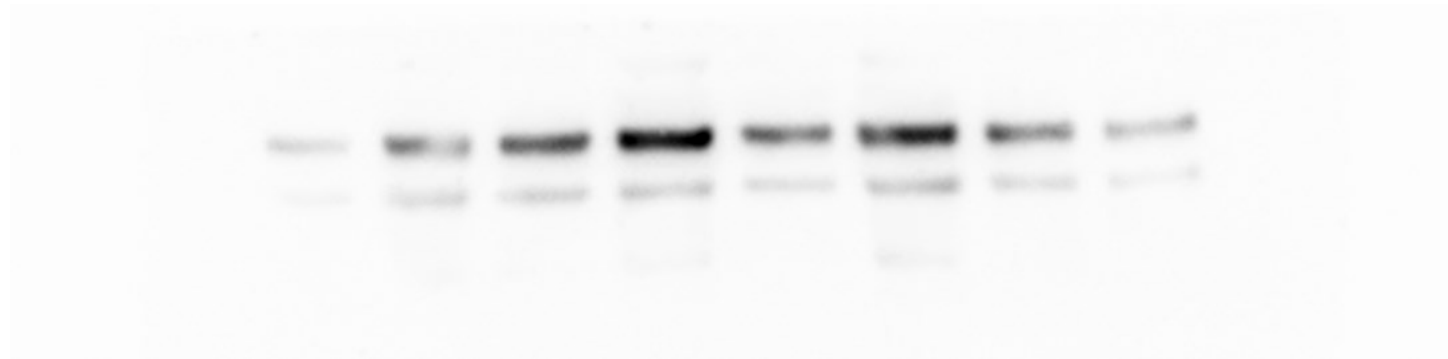
# Western Blot (Figure 5C)

SAS, n2, milk

UTX



B-actin

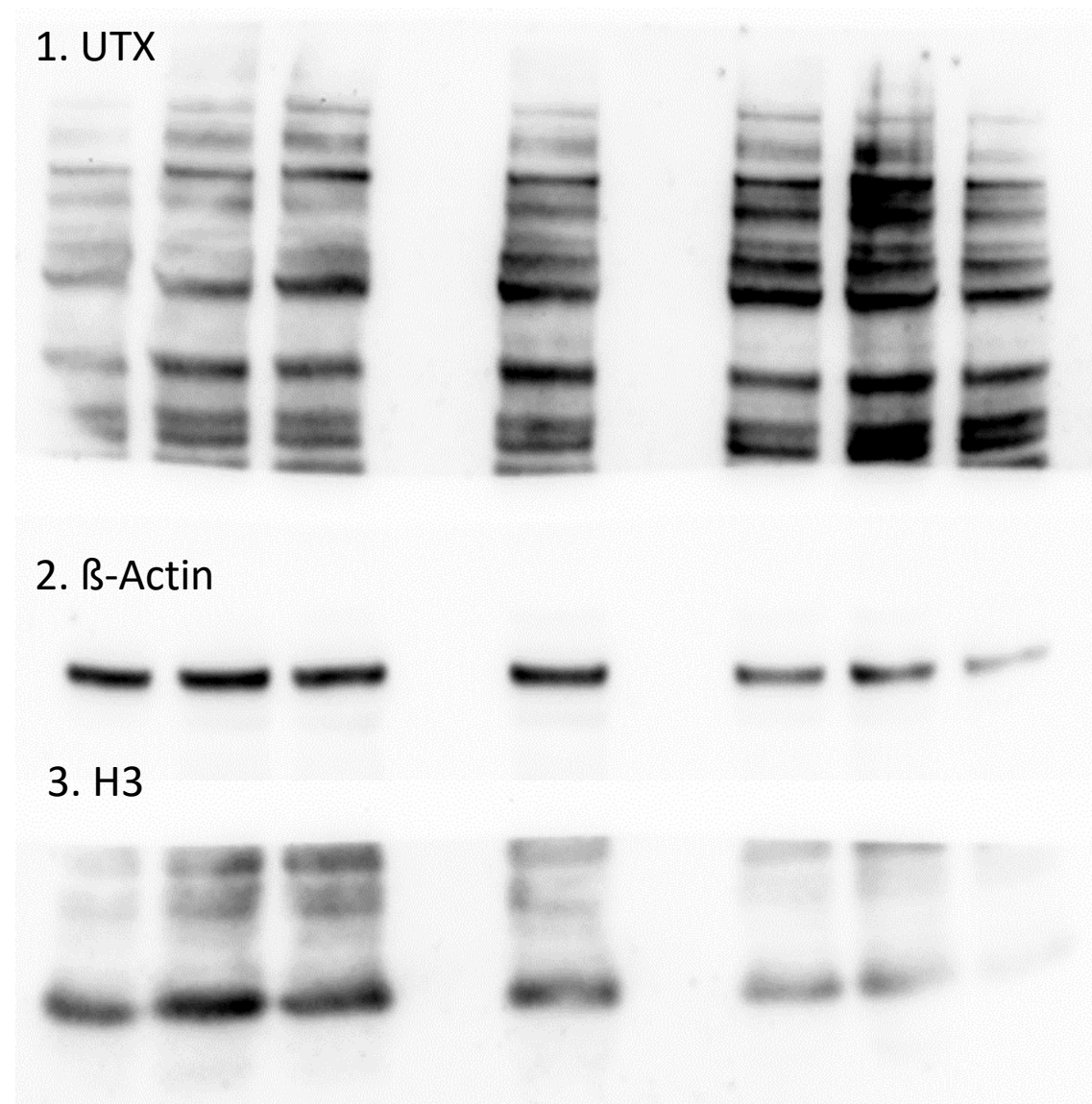


# Western Blot (Supplementary Figure S4B)

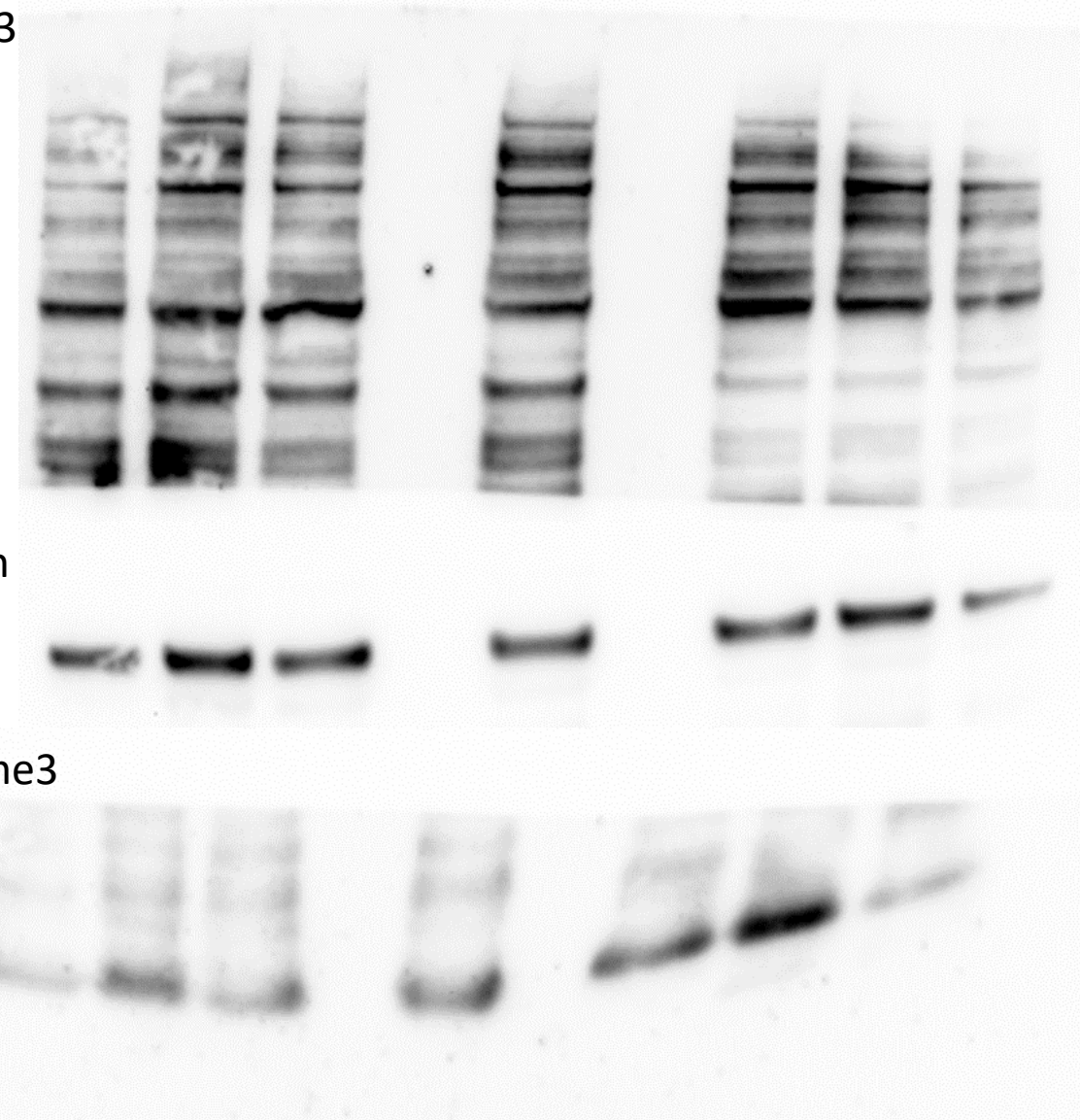
Cal33 (Lane5)

Lane: 1,2,3 = KDM6A

Lane: 7,8,9 = KDM6B



JMJD3





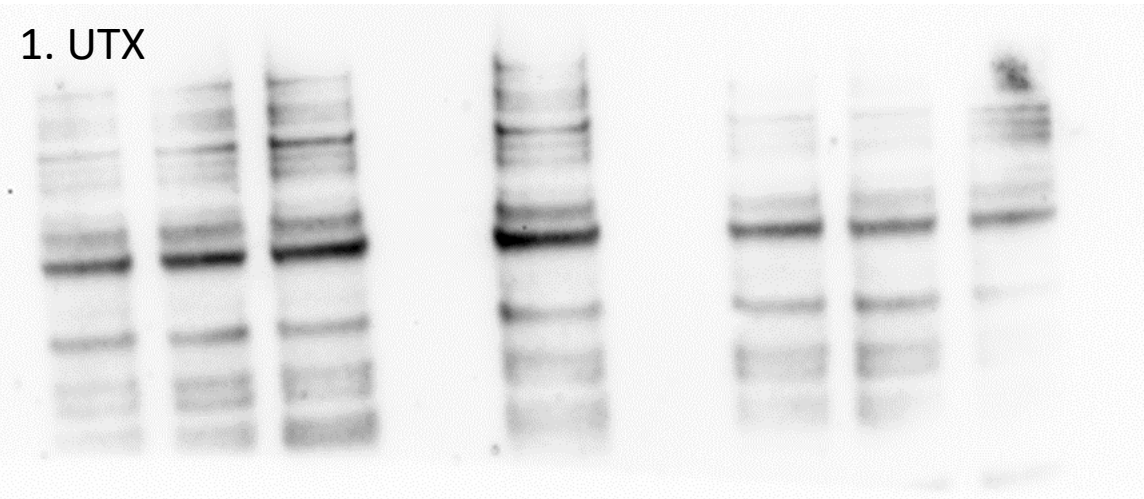
# Western Blot (Supplementary Figure S4B)

Cal33 (Lane5)

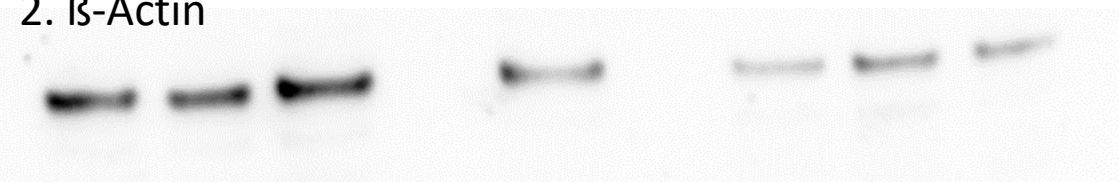
Lane: 1,2,3 = KDM6A

Lane: 7,8,9 = KDM6B

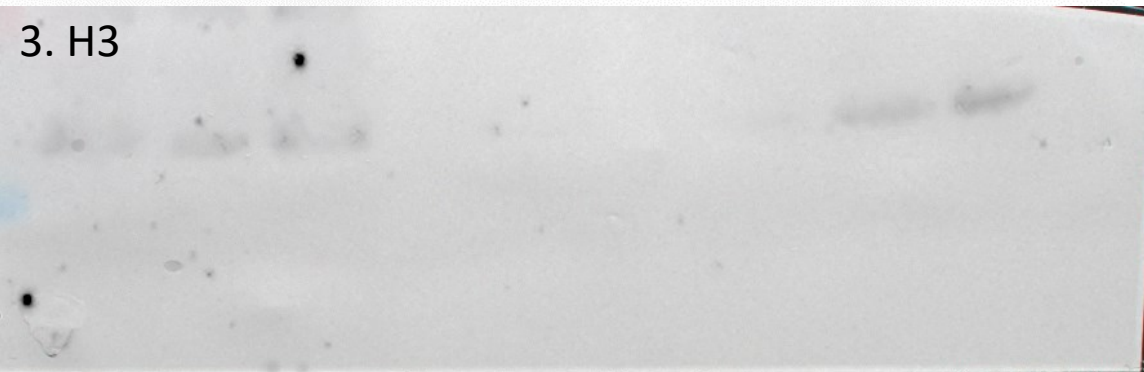
1. UTX



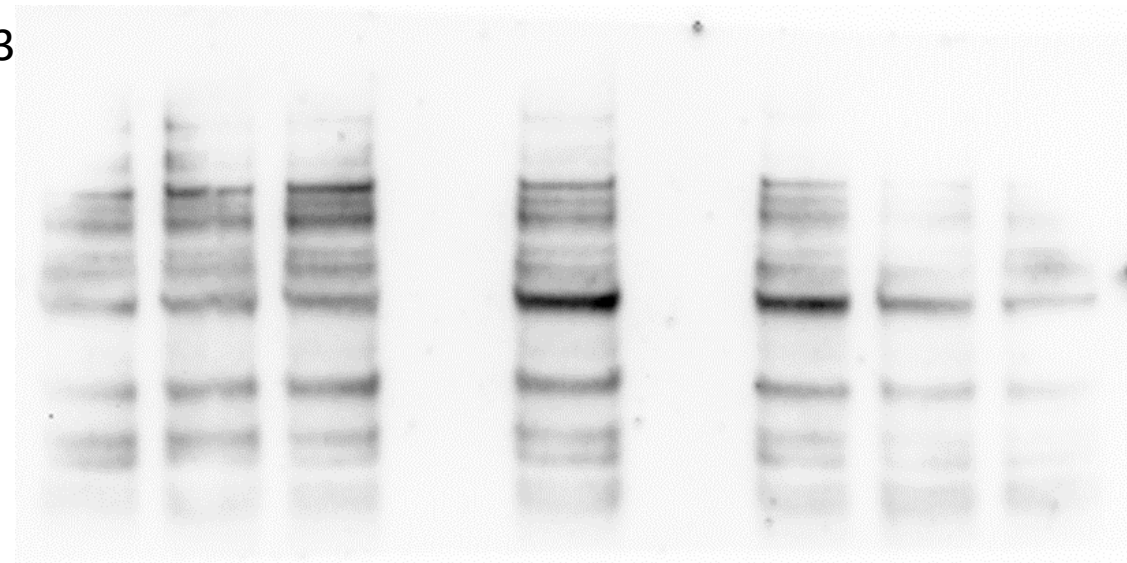
2.  $\beta$ -Actin



3. H3



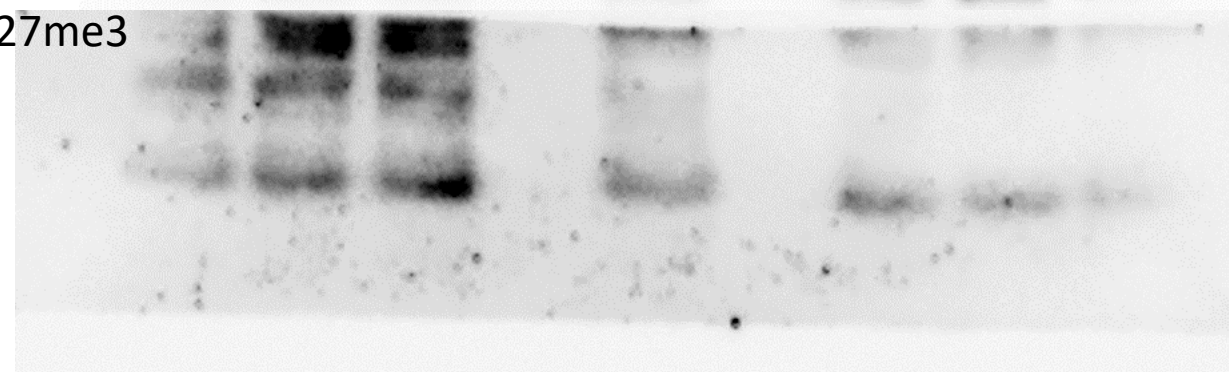
JMJD3



$\beta$ -Actin



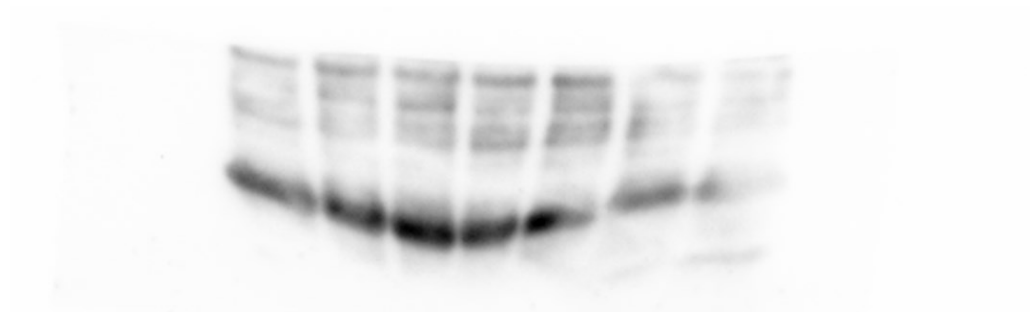
H3k27me3



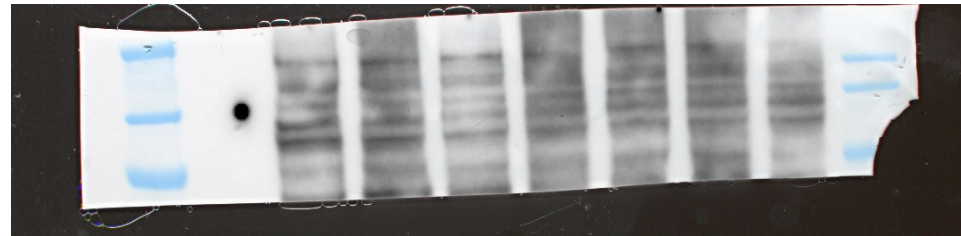
# Western Blot (Supplementary Figure S4B)

Cal33, n1

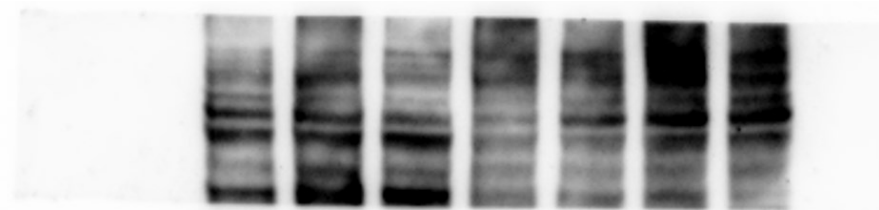
H3



UTX



JMJD3



H3K27m3



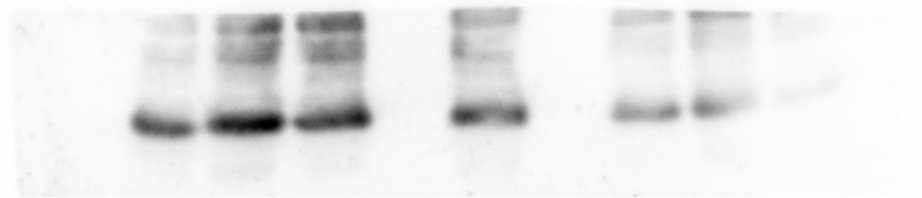
B-actin



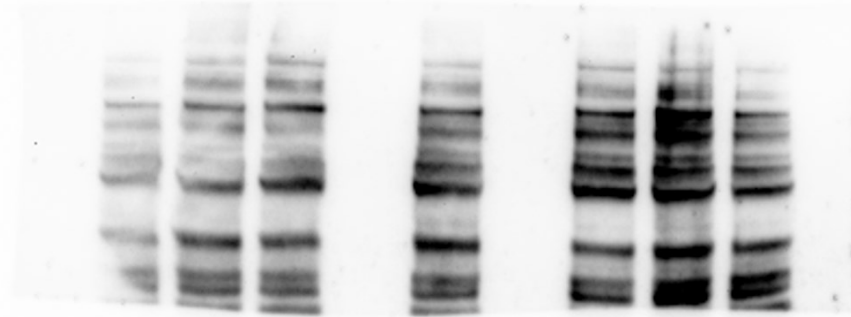
# Western Blot (Supplementary Figure S4B)

Cal33, n2

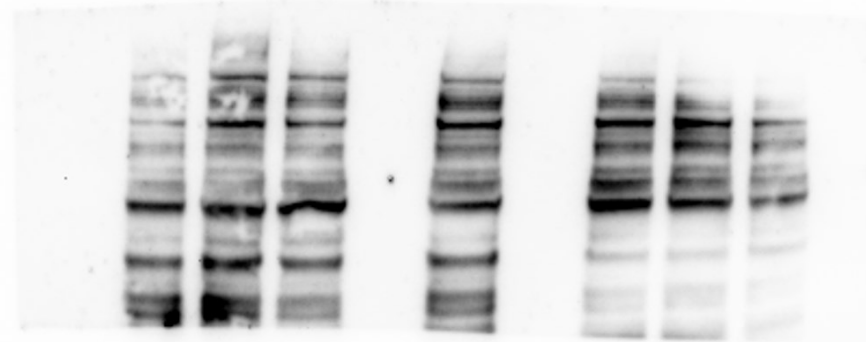
H3



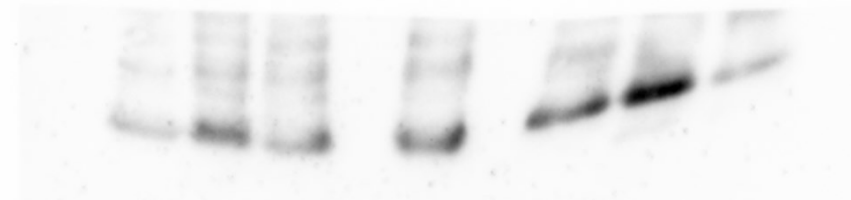
UTX



JMJD3



H3K27m3



B-actin





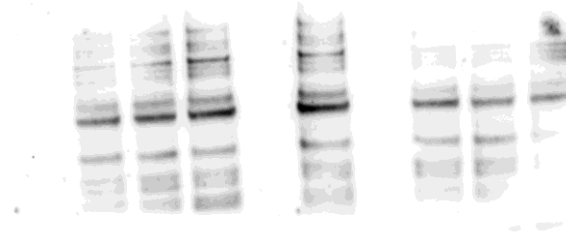
# Western Blot (Supplementary Figure S4B)

Cal33, n3

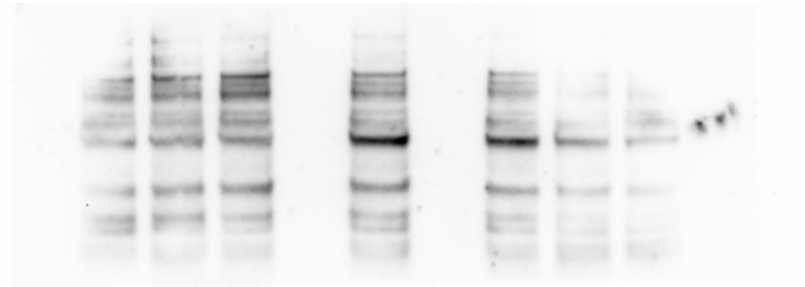
H3



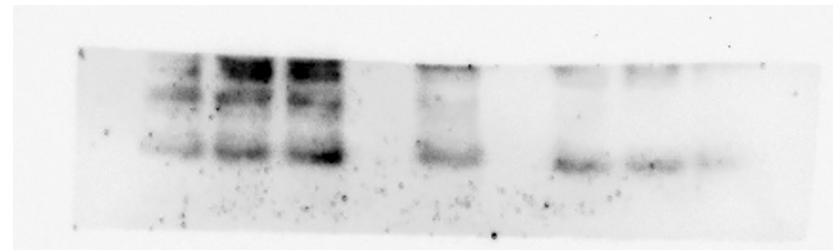
UTX



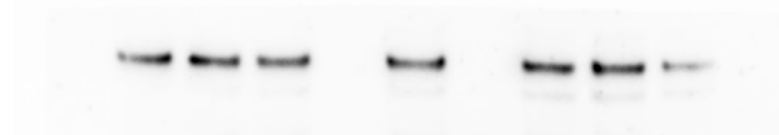
JMJD:



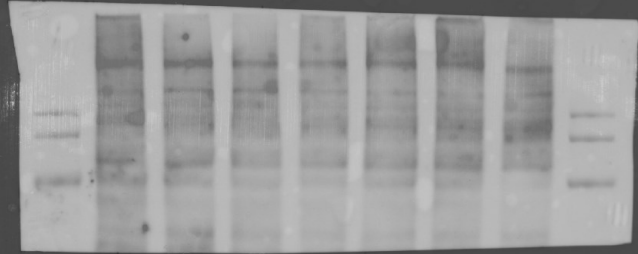
H3K27m3



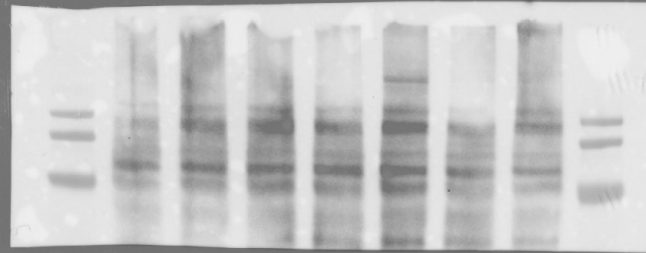
B-actin



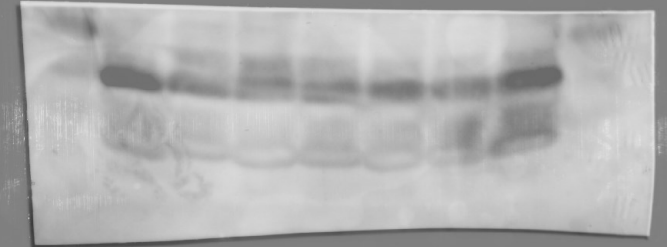
KDM6A-Composite



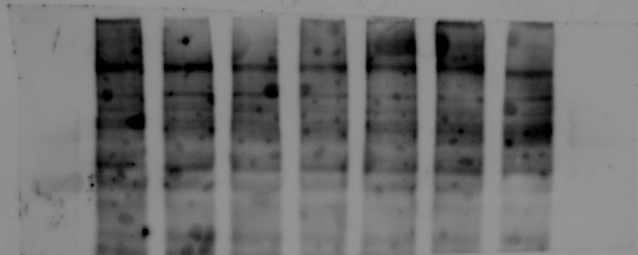
KDM6B-Composite



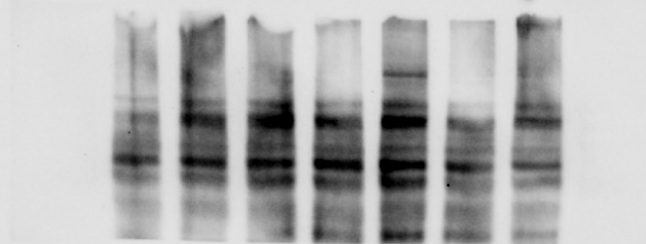
H3-Composite



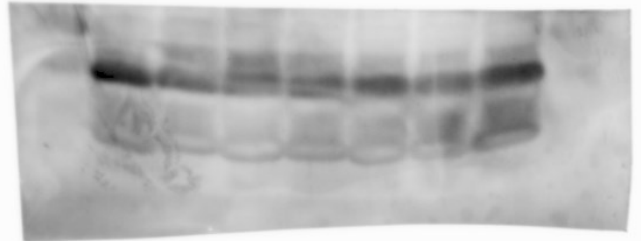
KDM6A-Chemiluminescence



KDM6B-Chemiluminescence

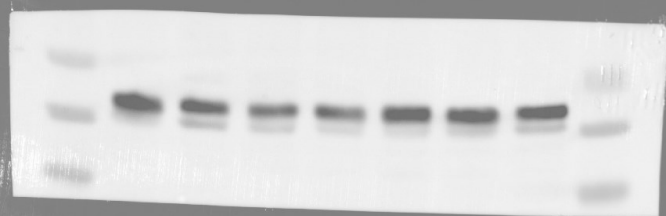


H3-Chemiluminescence

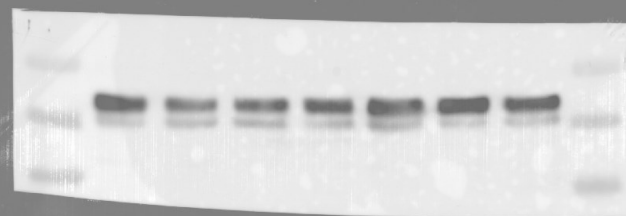


**Western Blot (Supplementary Figure S4B)**  
SAS, n2

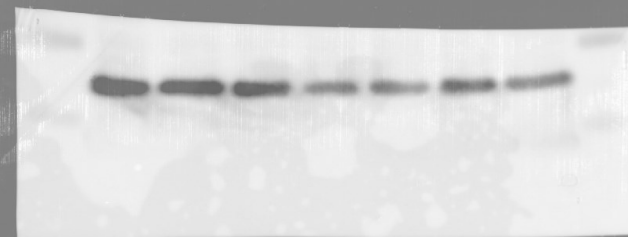
B-Actin-Membran2-Composite



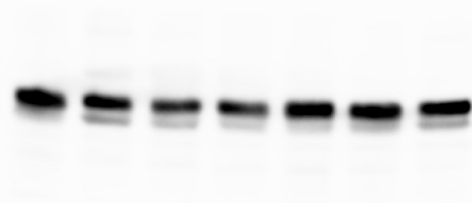
B-Actin-Membran1-Composite



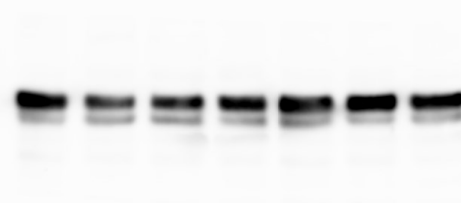
H3K27me3-Composite



B-Actin-Membran2-Chemiluminescence



B-Actin-Membran1-Chemiluminescence



H3K27me3-Chemiluminescence



**Western Blot (Supplementary Figure S4B)**  
SAS, n2

# Western Blot (Supplementary Figure S4B)

SAS, n4

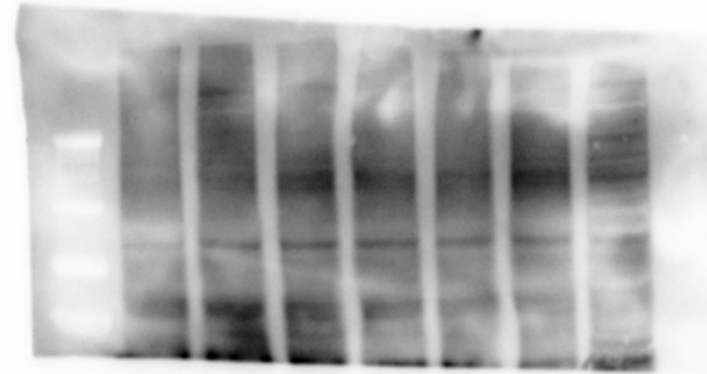
H3



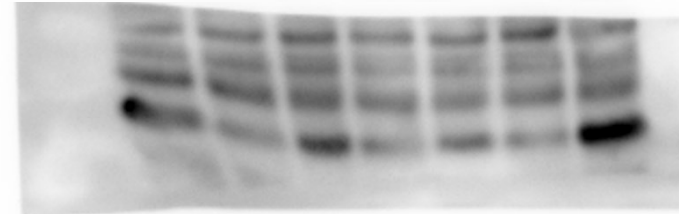
UTX



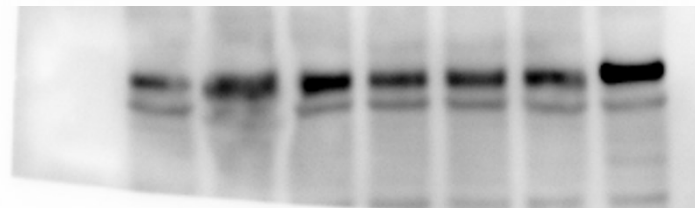
JMJD3



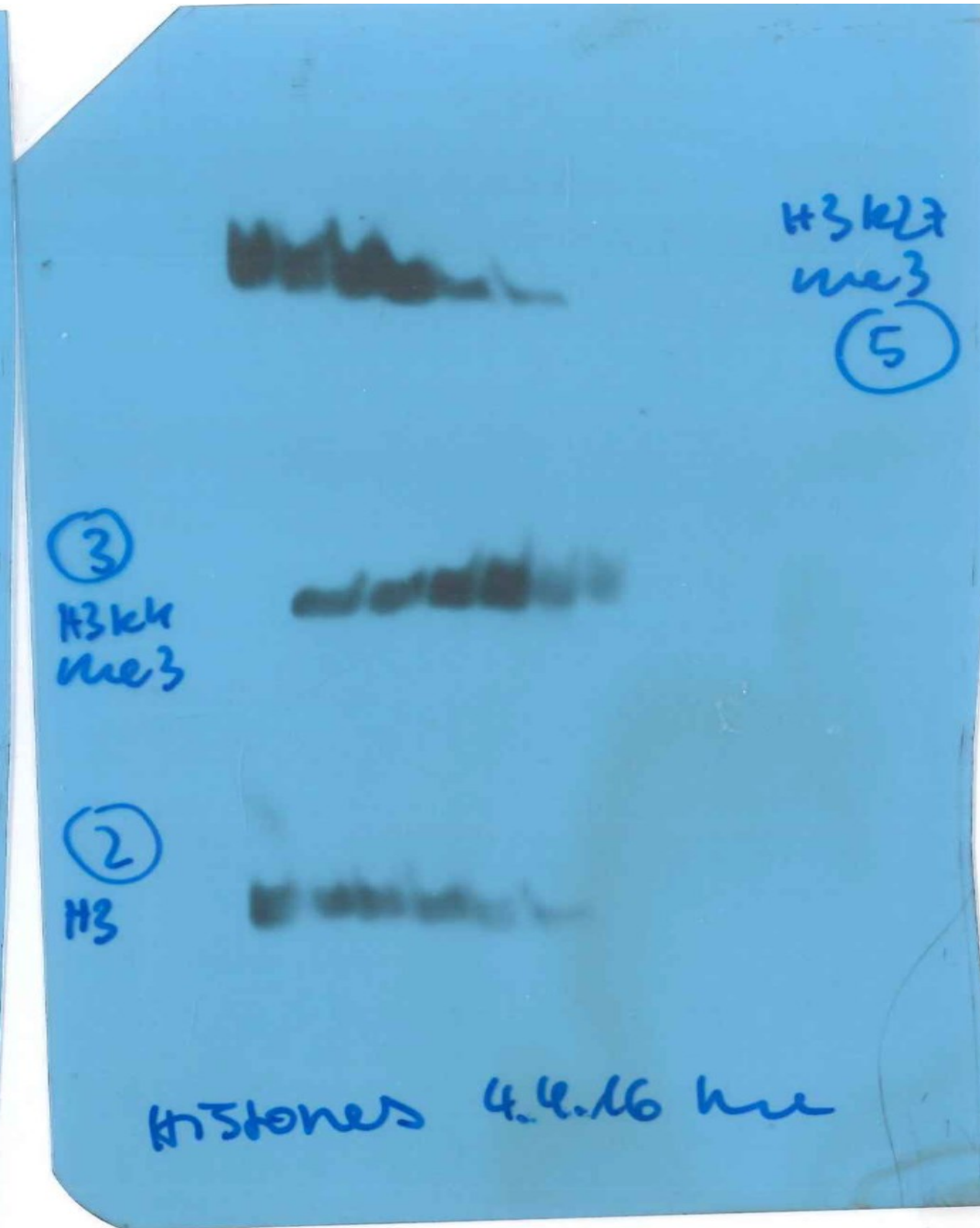
H3K27m3



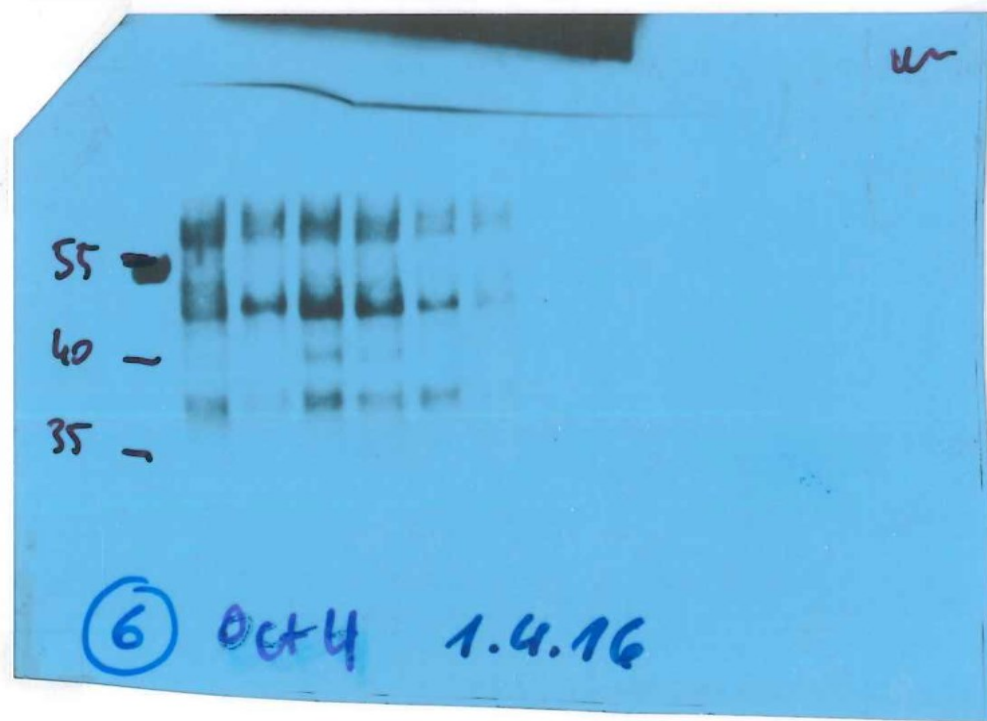
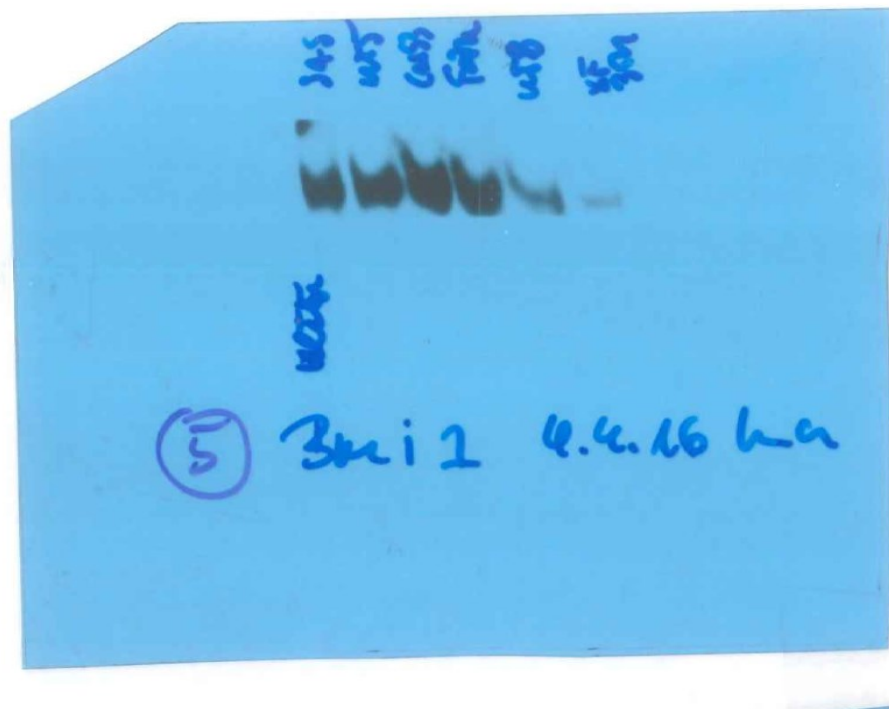
B-actin



Western Blot (Supplementary Figure S1A)



# Western Blot (Supplementary Figure S1A)





# Western Blot (Supplementary Figure S1A)

