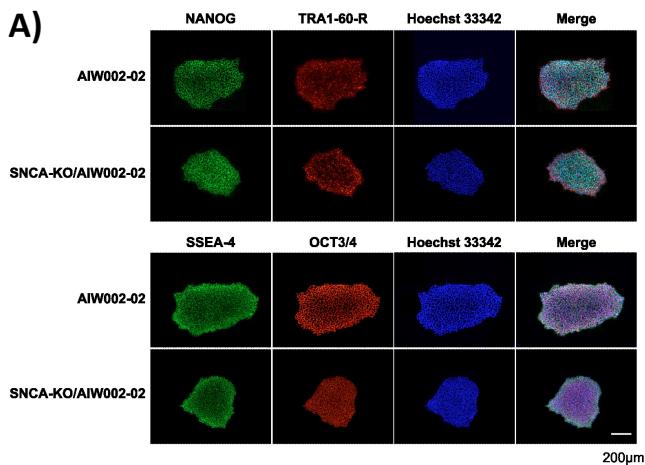
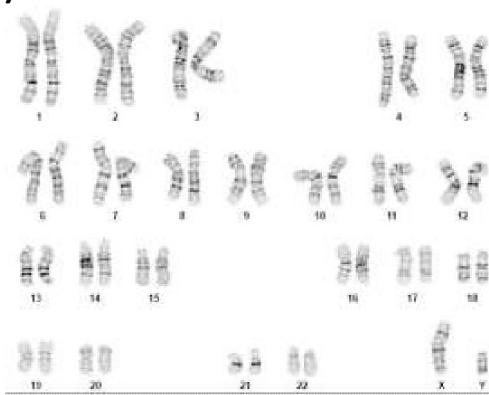


# Supplemental Figure 1

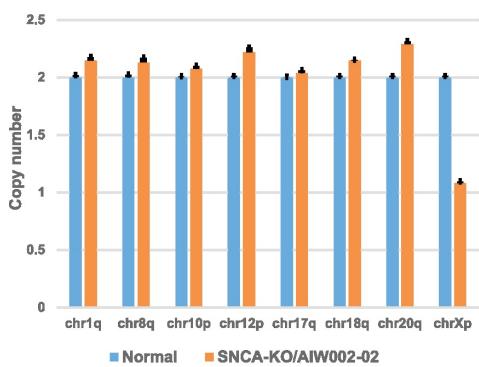
**A)**



**B)**

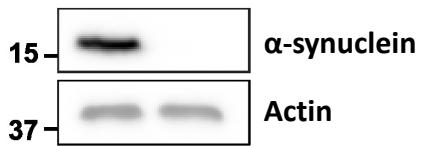


**C)**

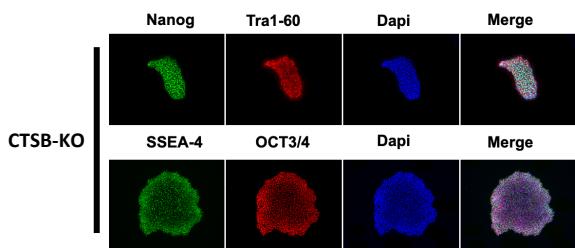


**DA neurons**

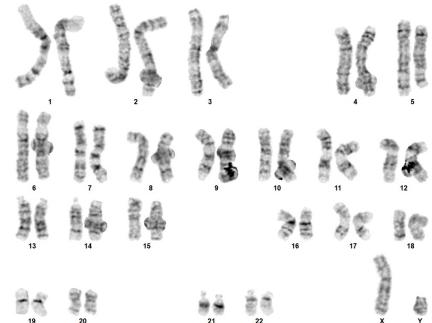
AIW002-02 SNCA-KO



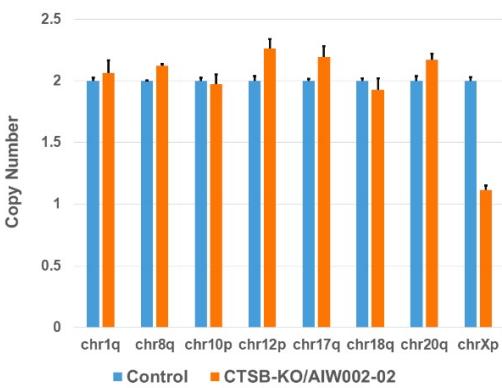
**E)**



**F)**



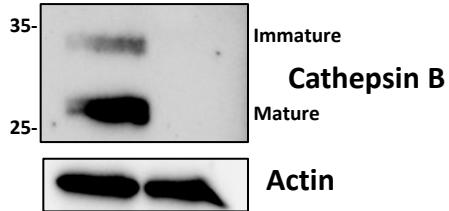
**G)**



**H)**

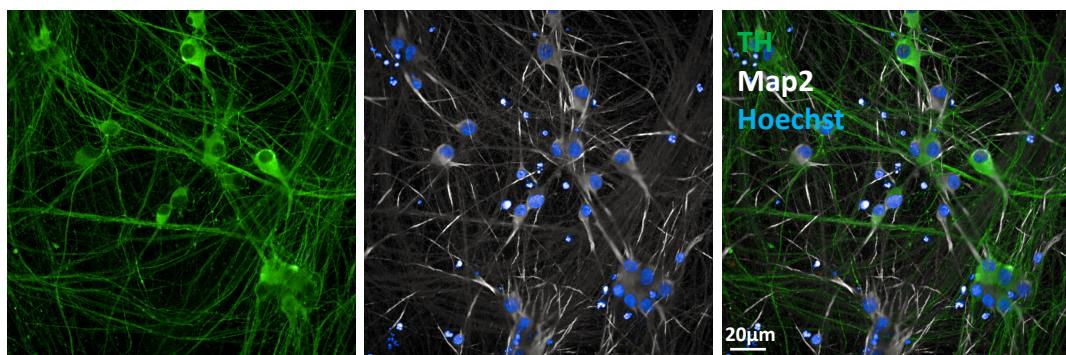
**DA Neurons**

AIW002 CTSB-KO

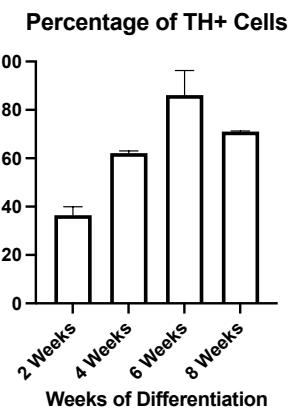


## Supplementary Figure 2

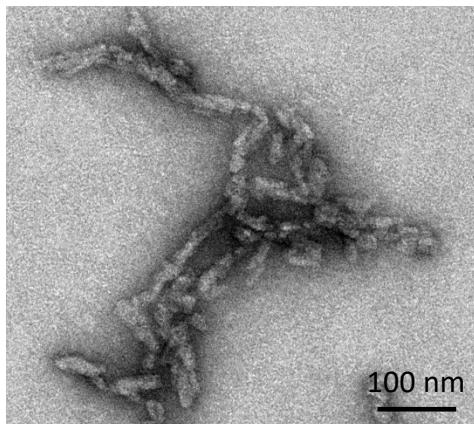
A)



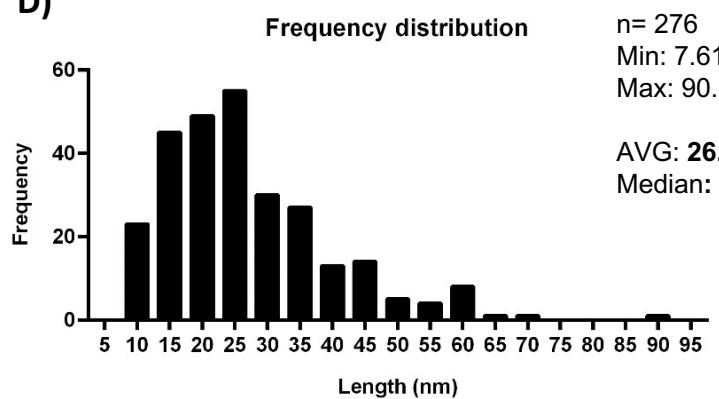
B)



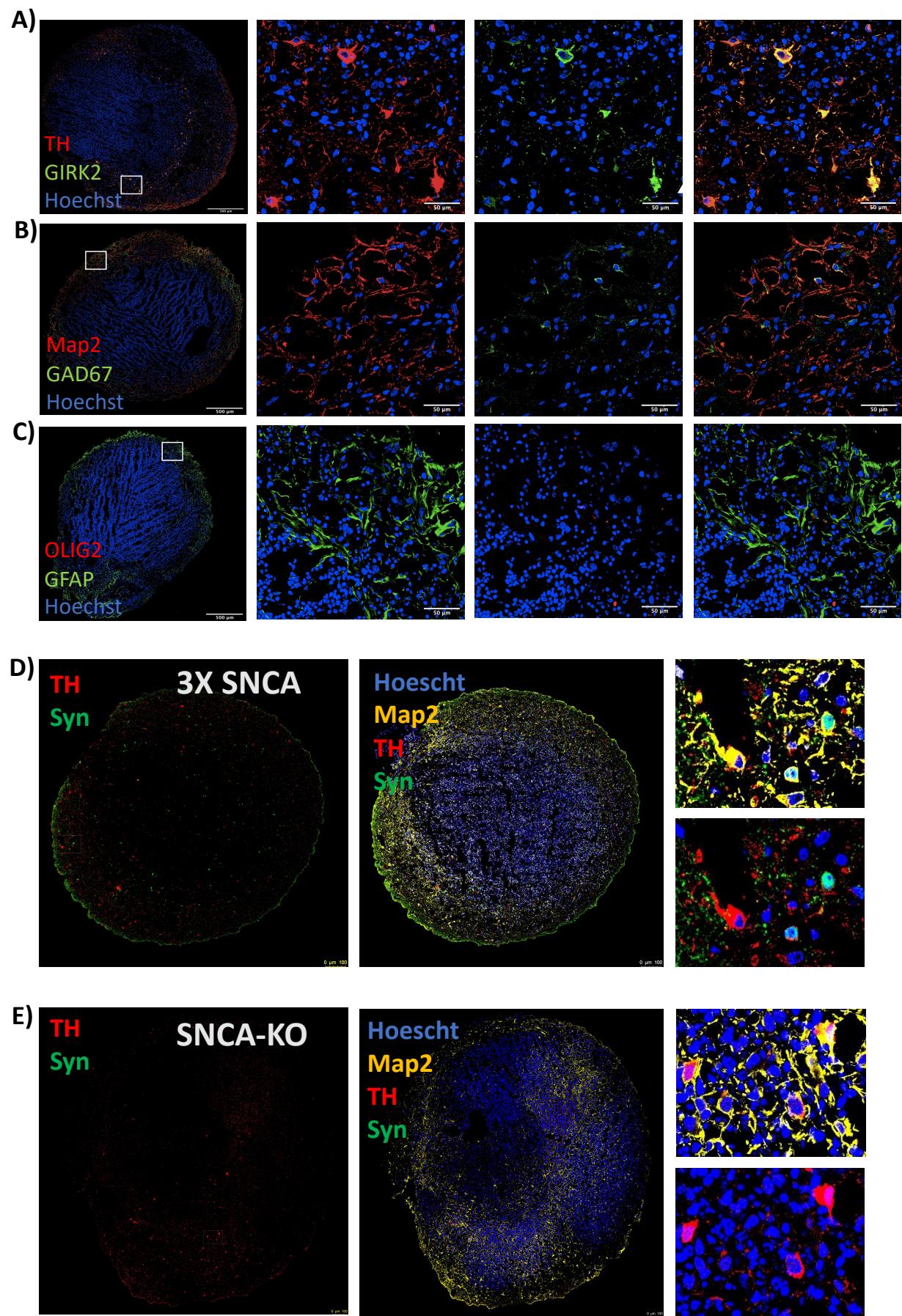
C)



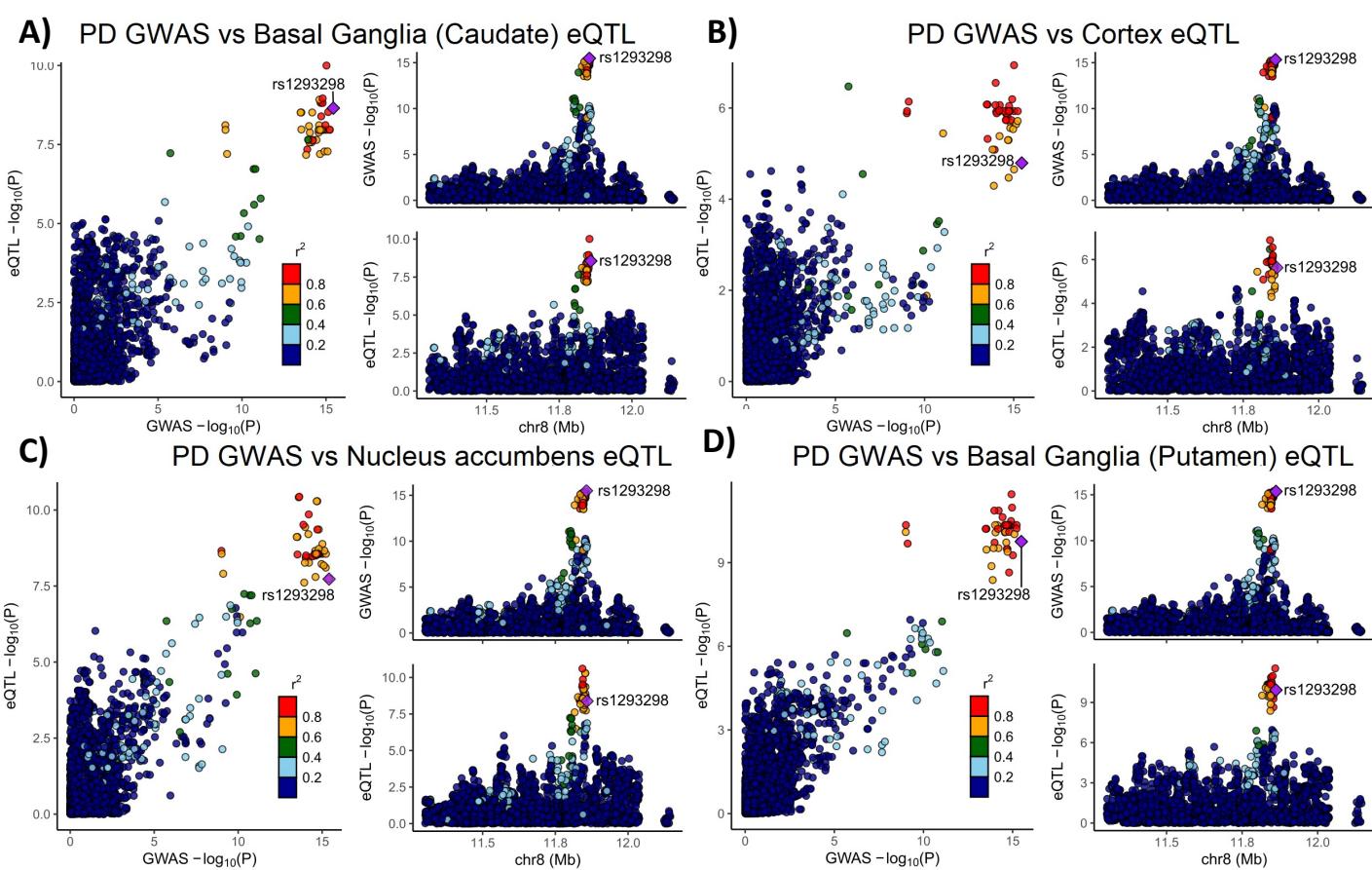
D)

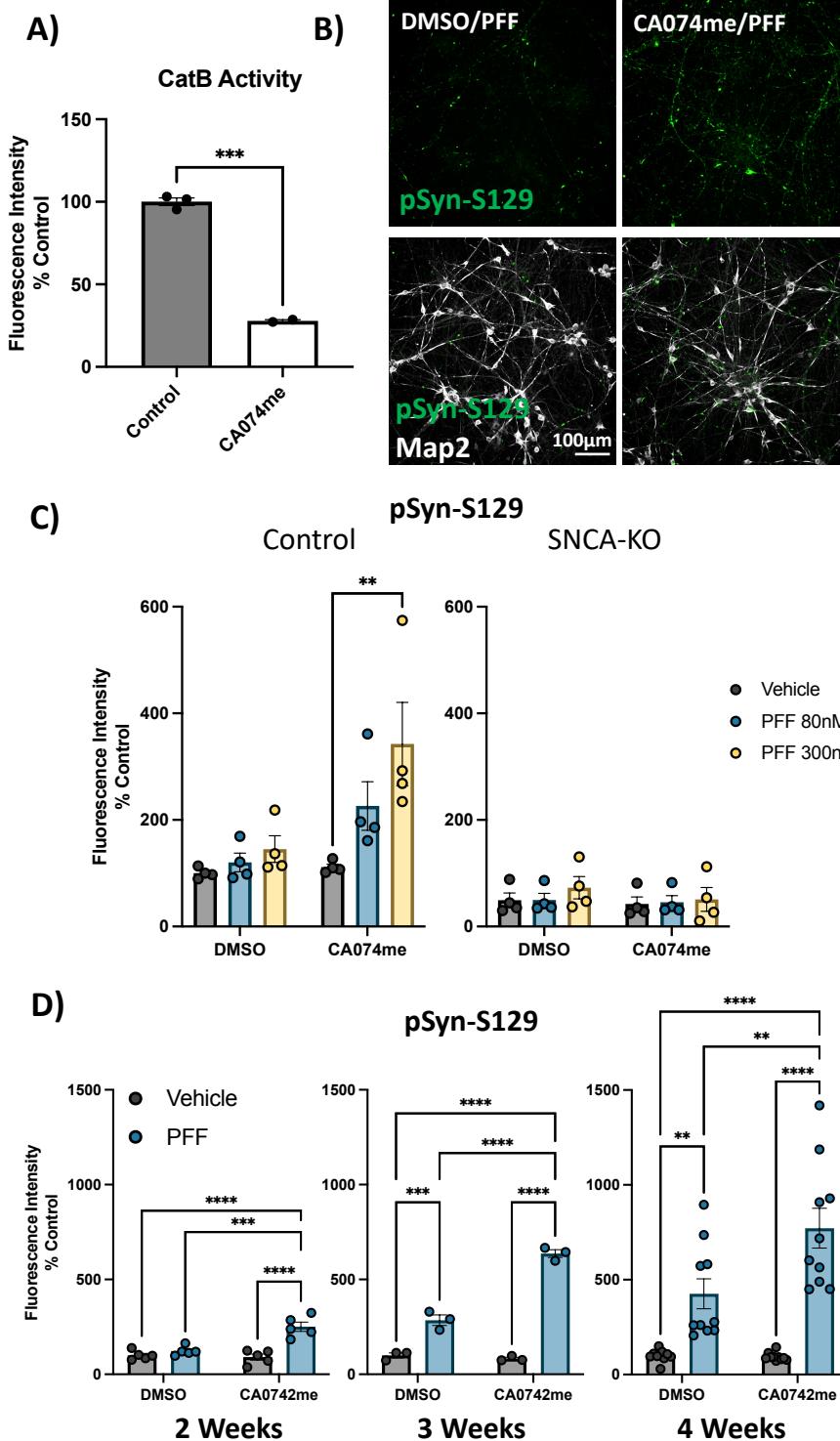


# Supplementary Figure 3

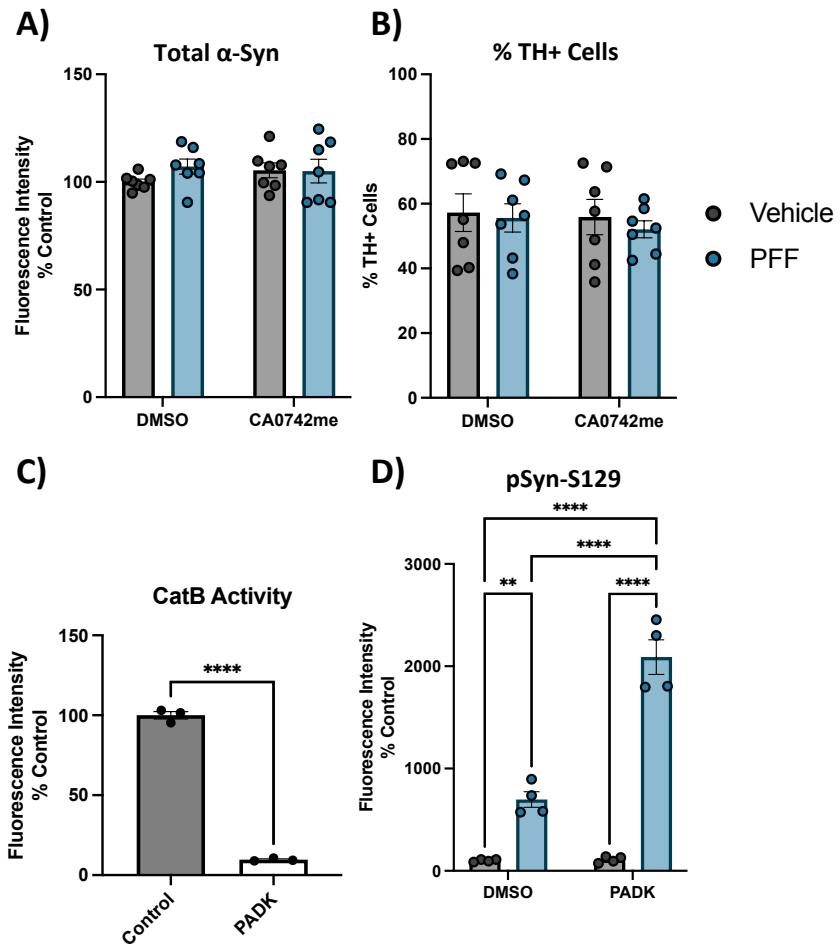


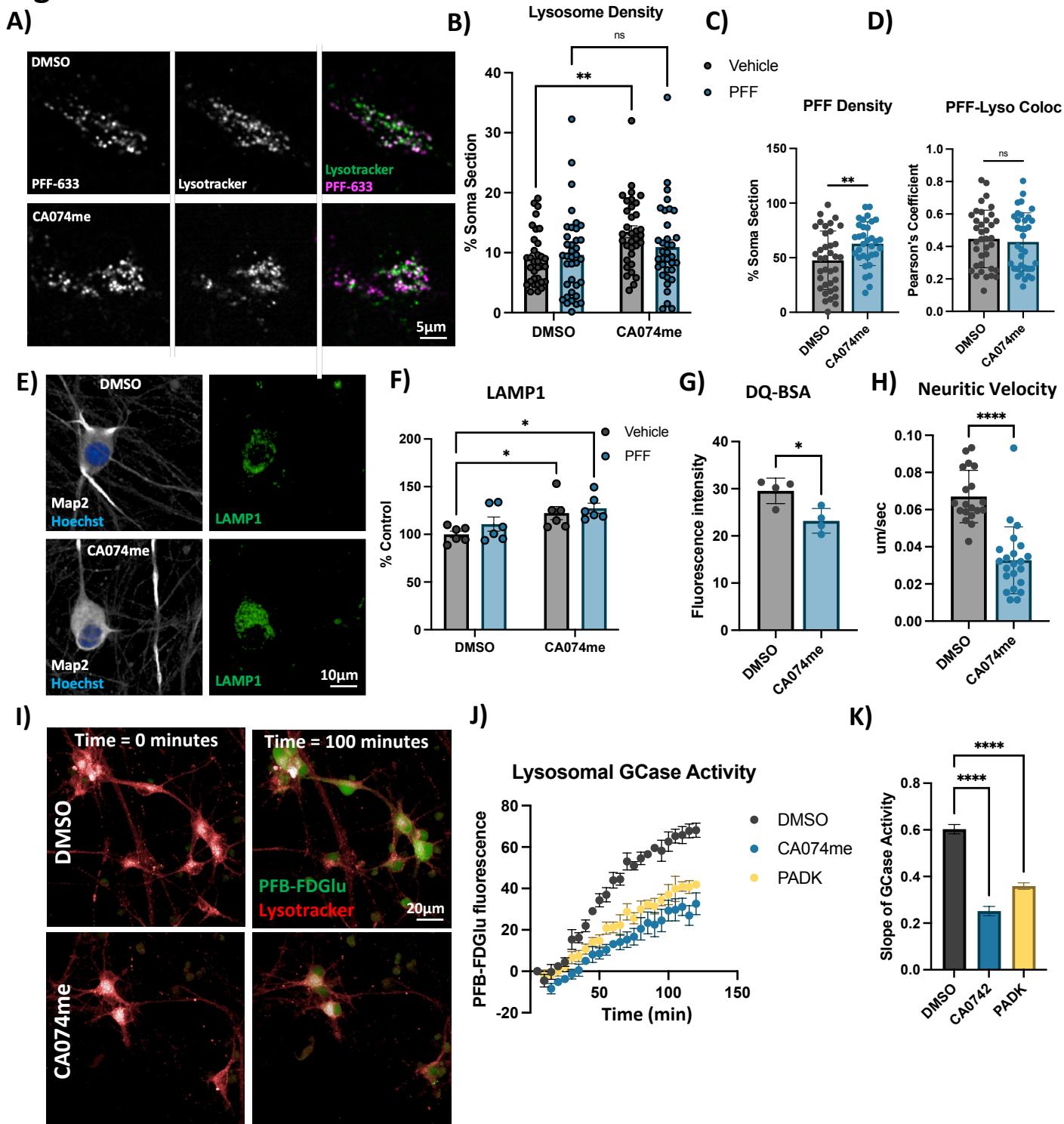
# Figure 1



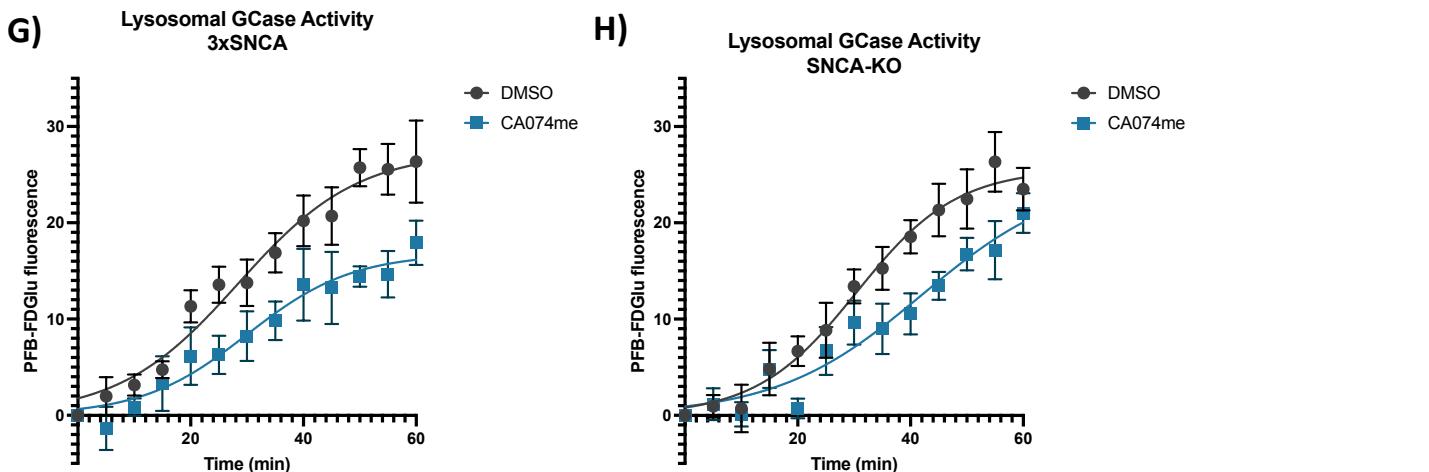
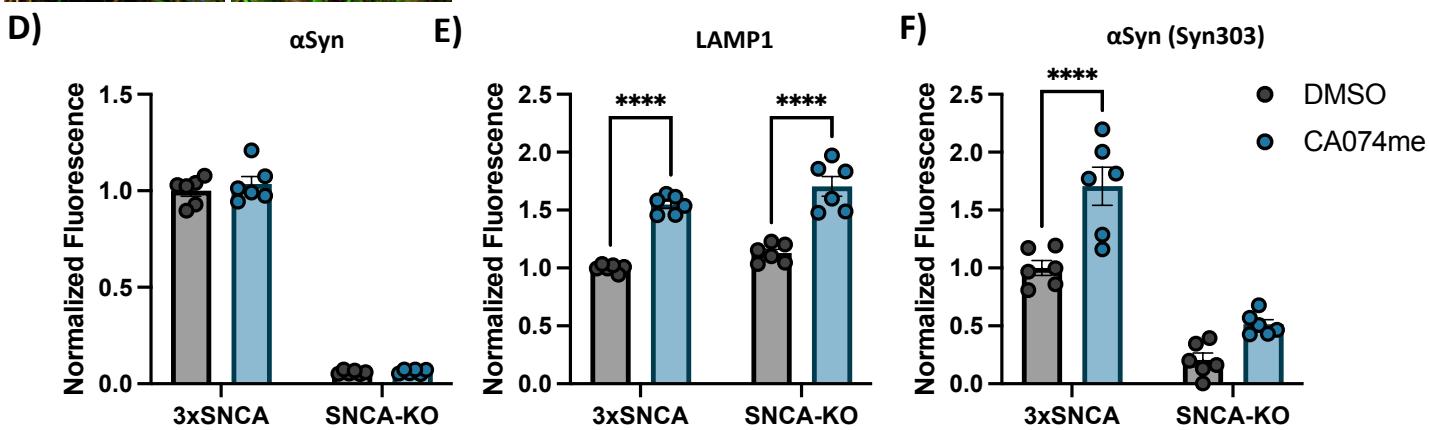
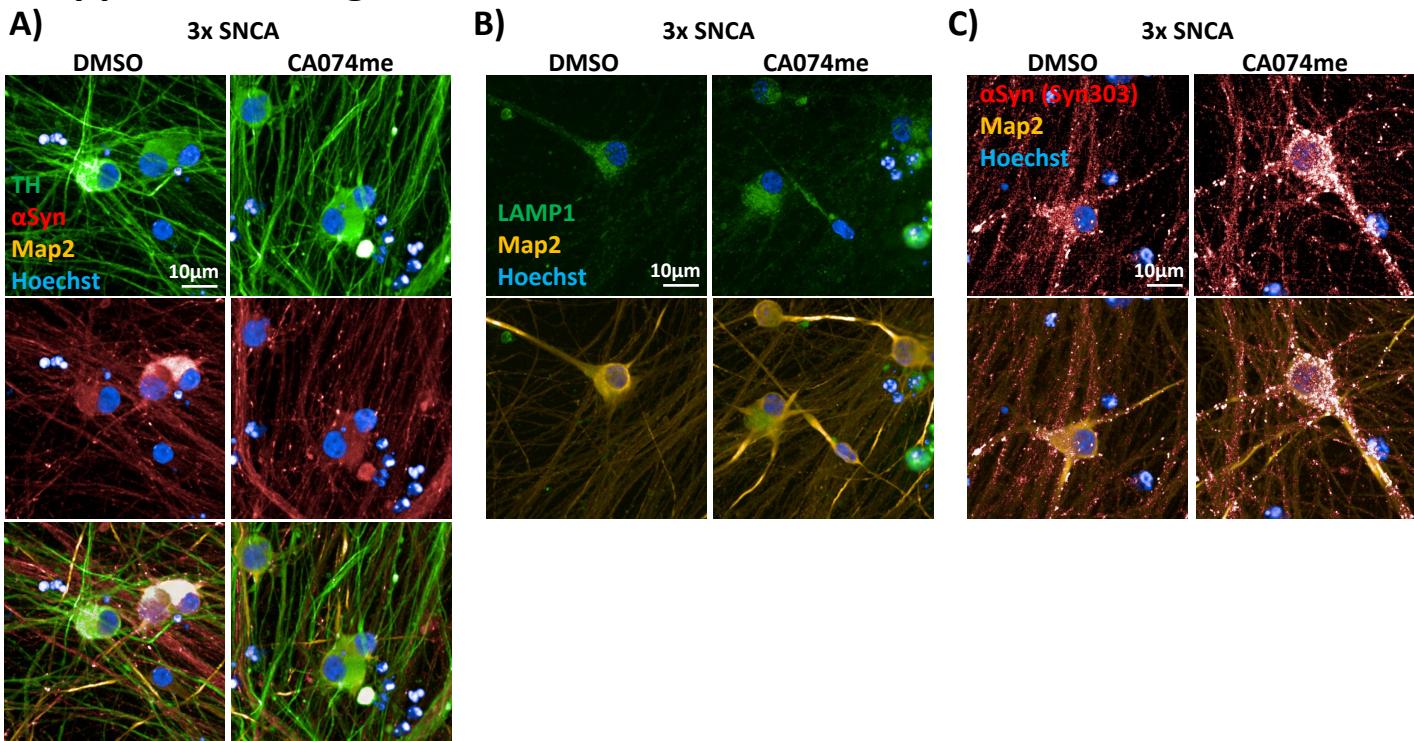
**Figure 2**

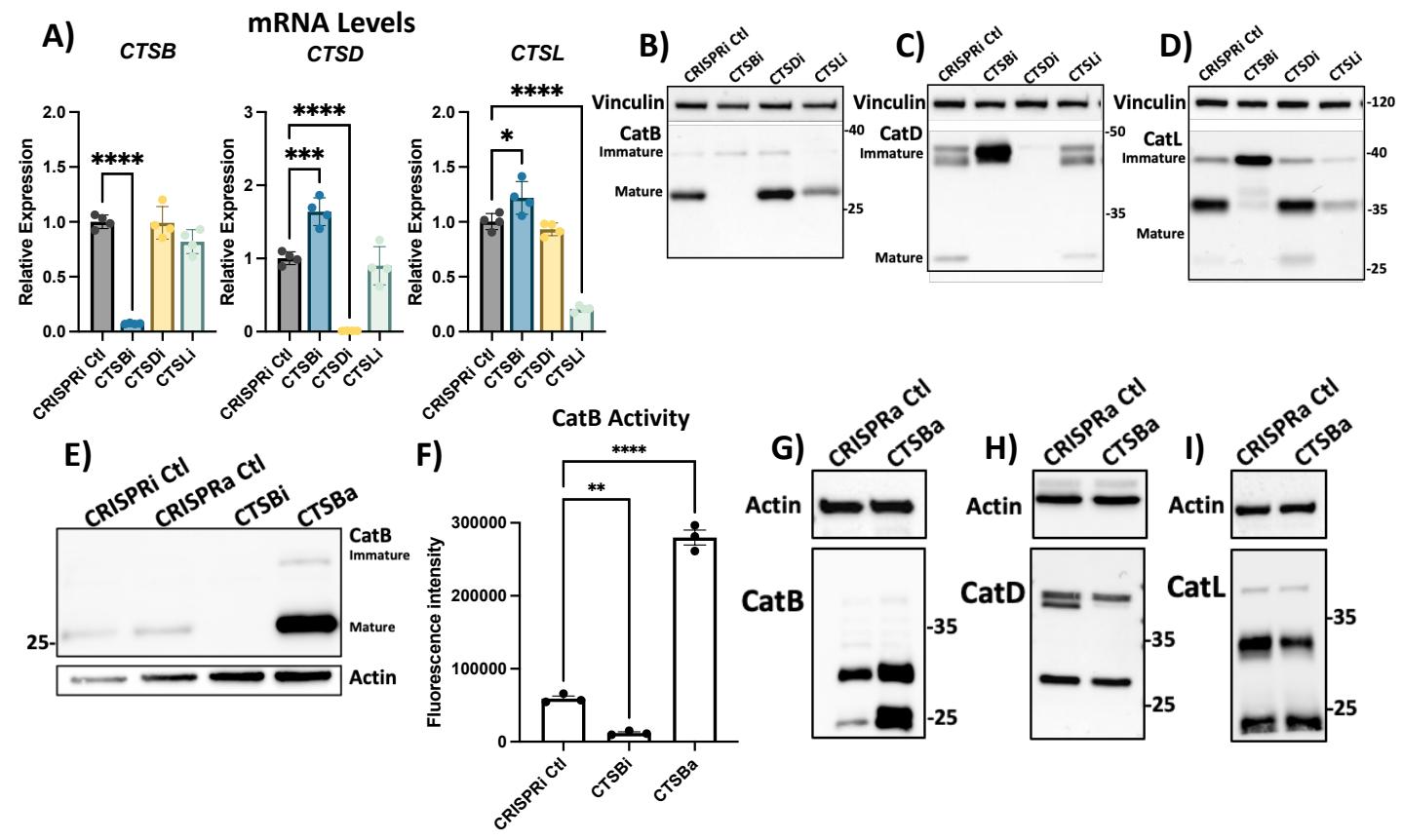
## Supplemental Figure 4

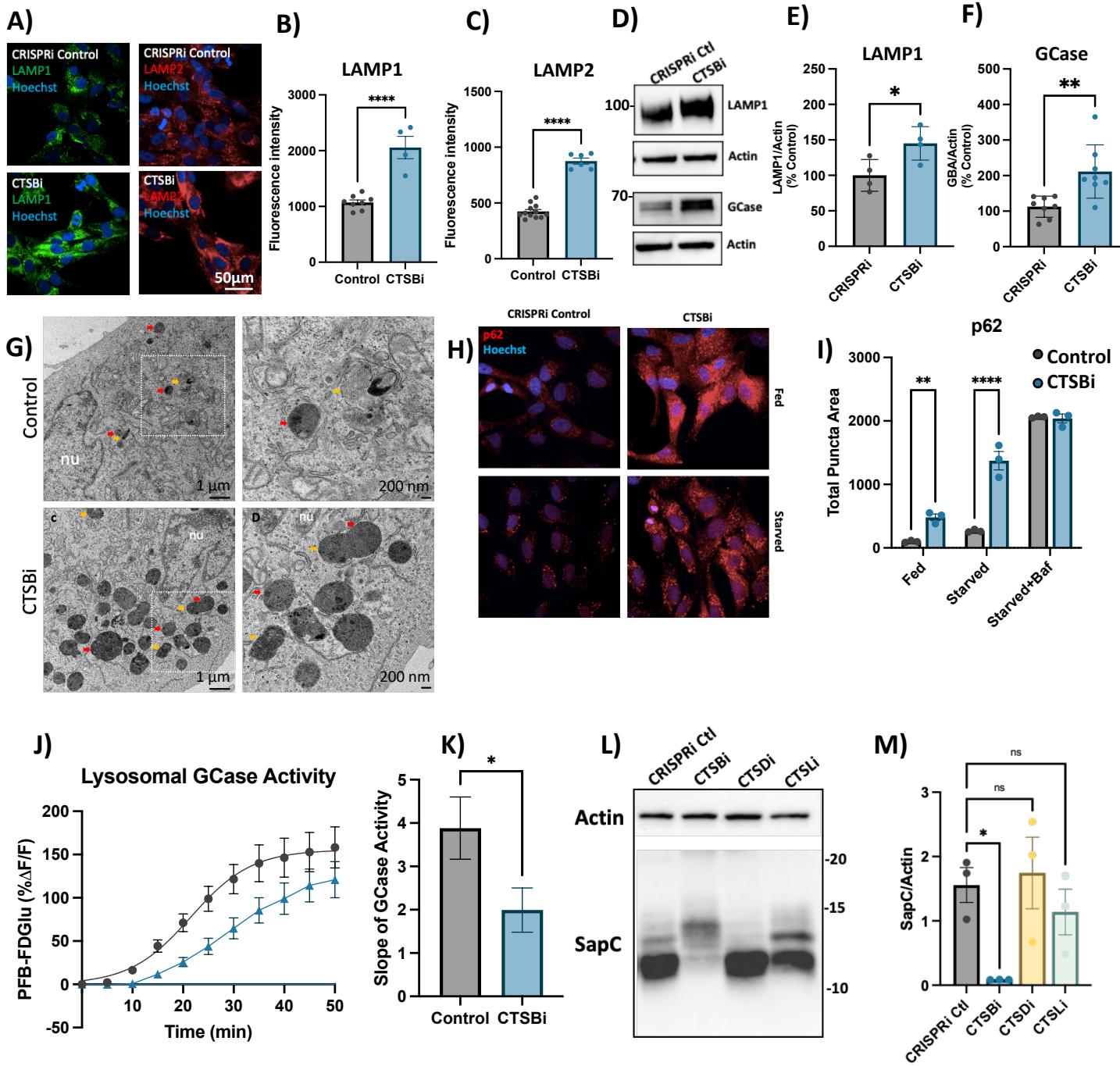


**Figure 3**

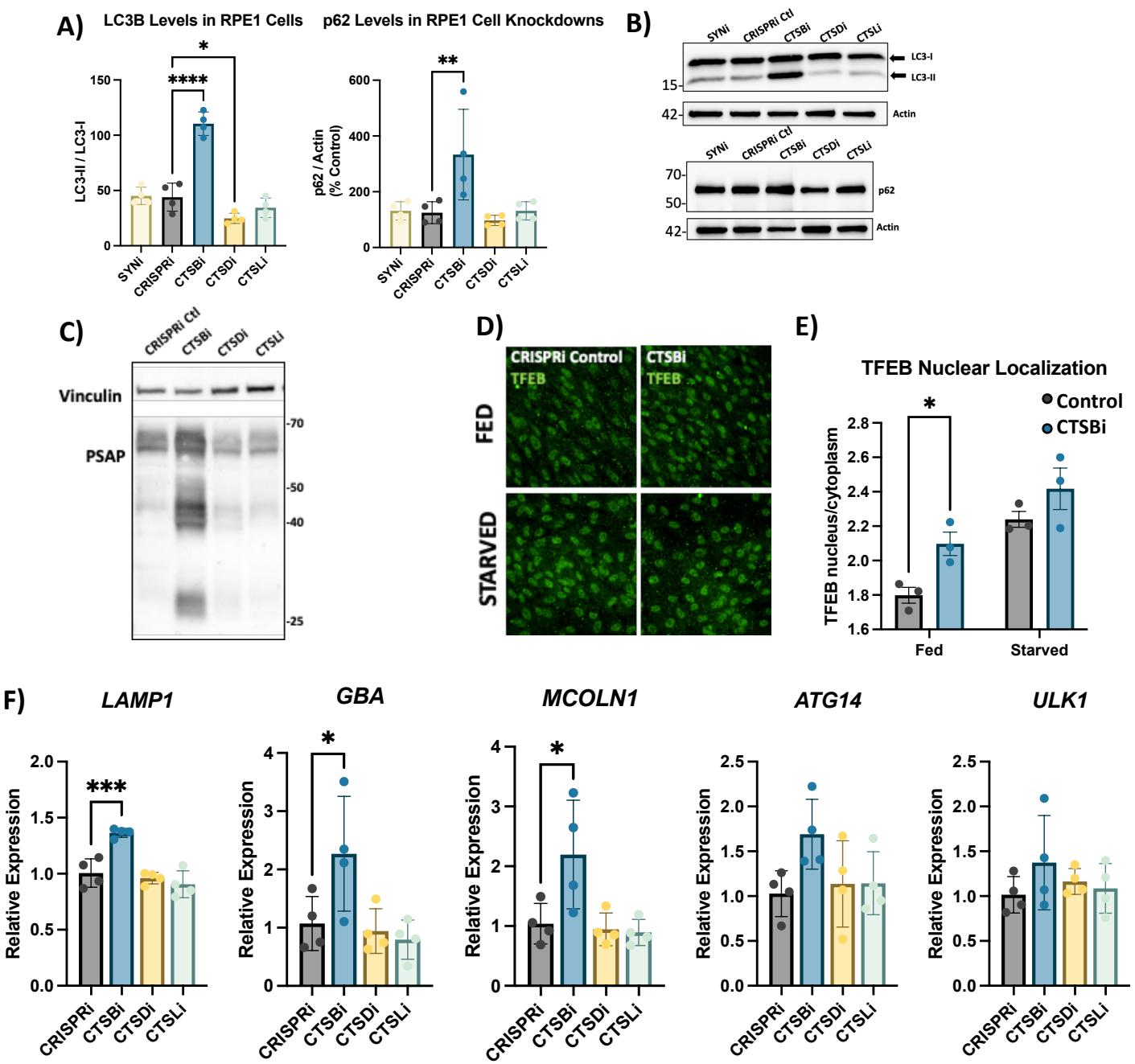
# Supplemental Figure 5

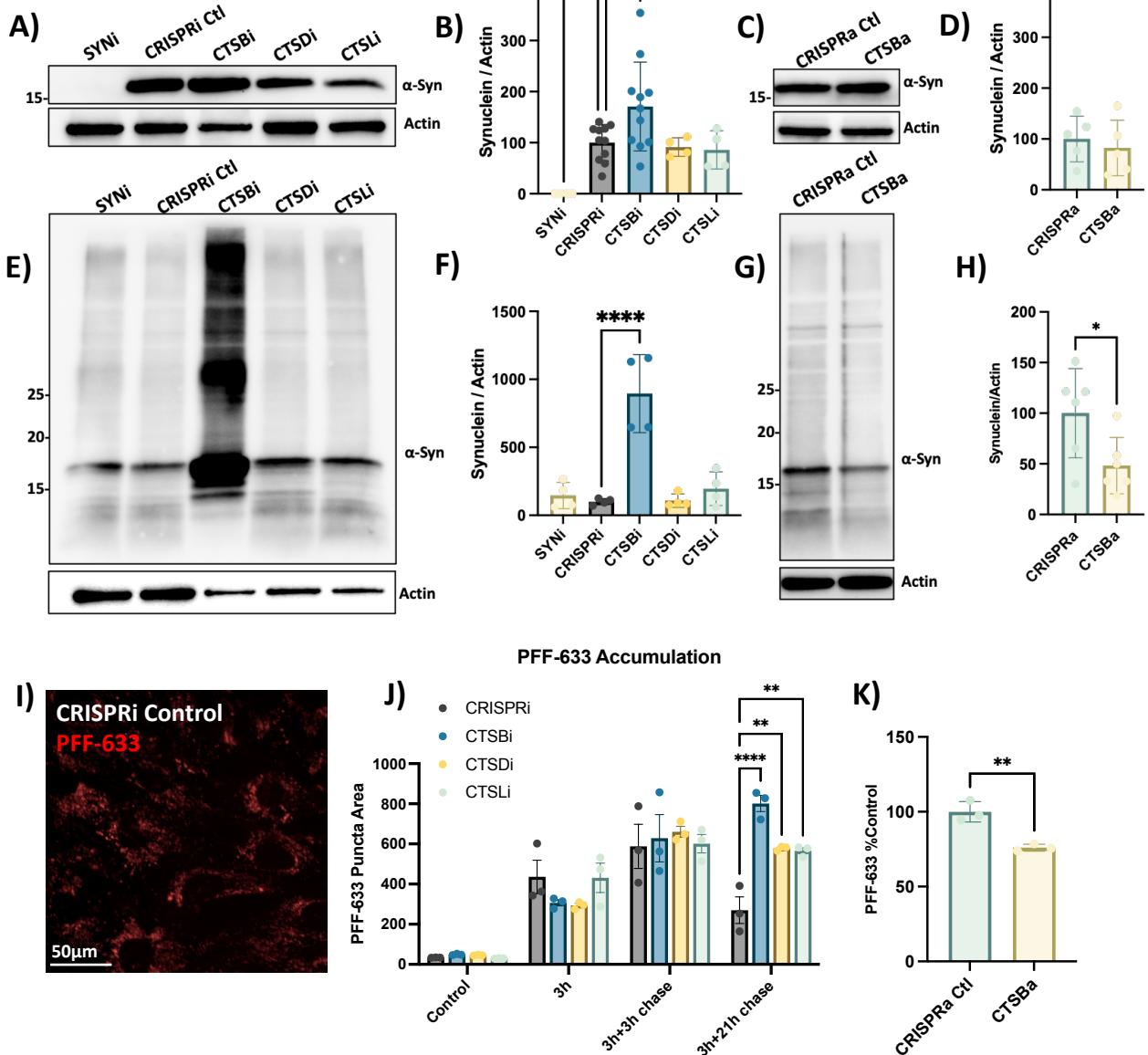


**Figure 4**

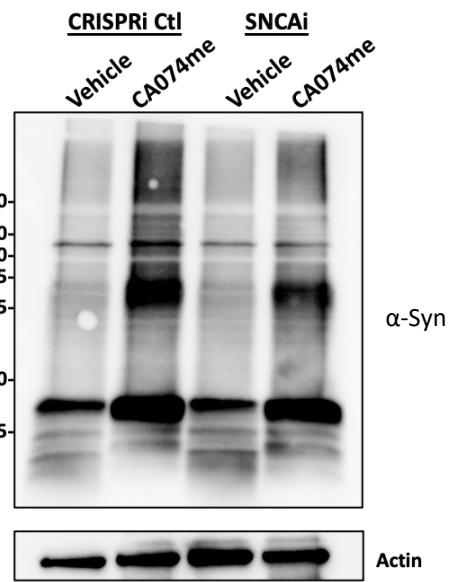
**Figure 5**

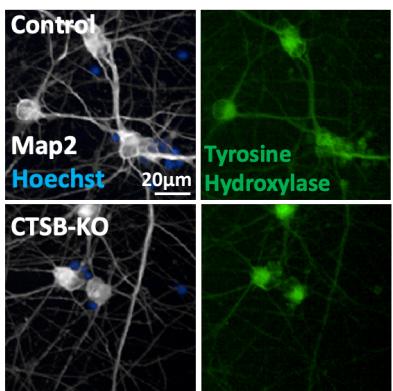
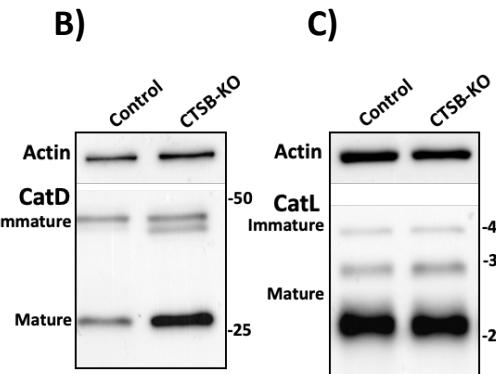
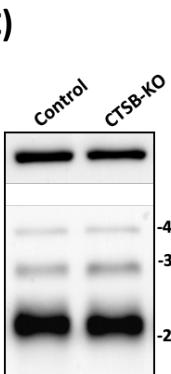
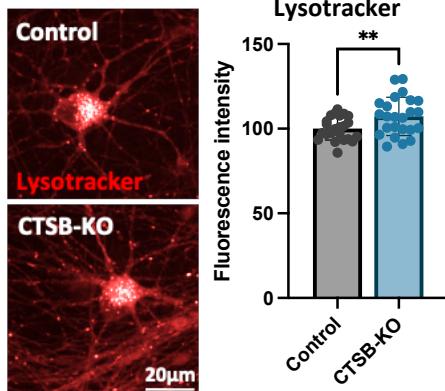
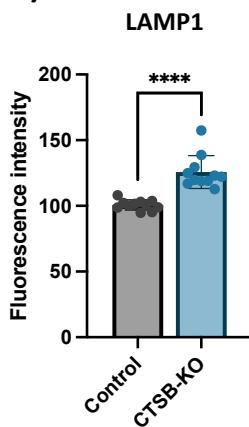
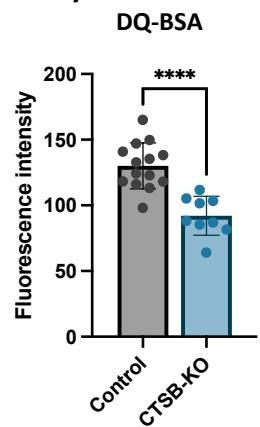
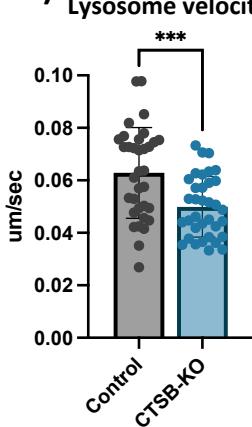
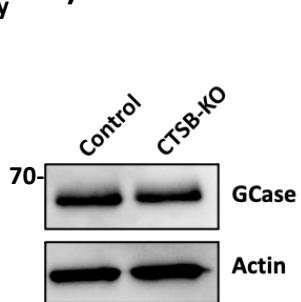
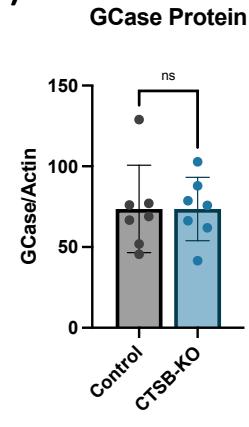
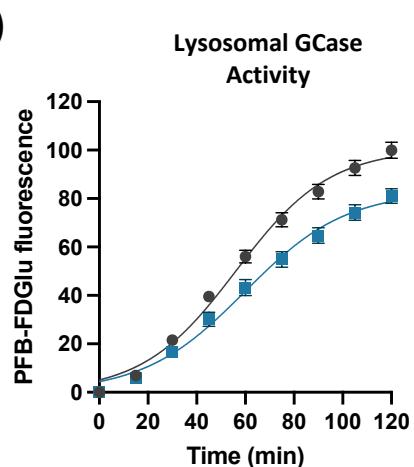
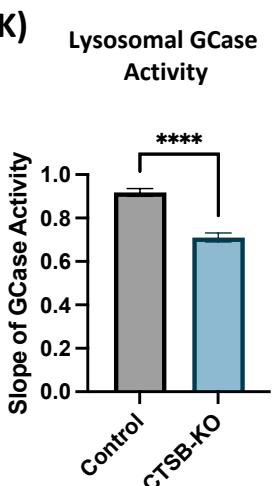
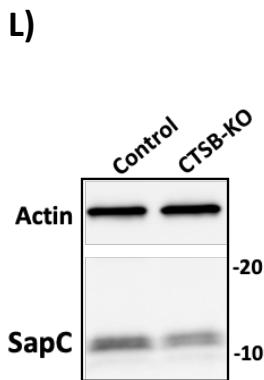
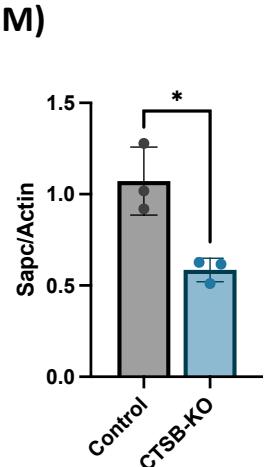
# Supplemental Figure 6:



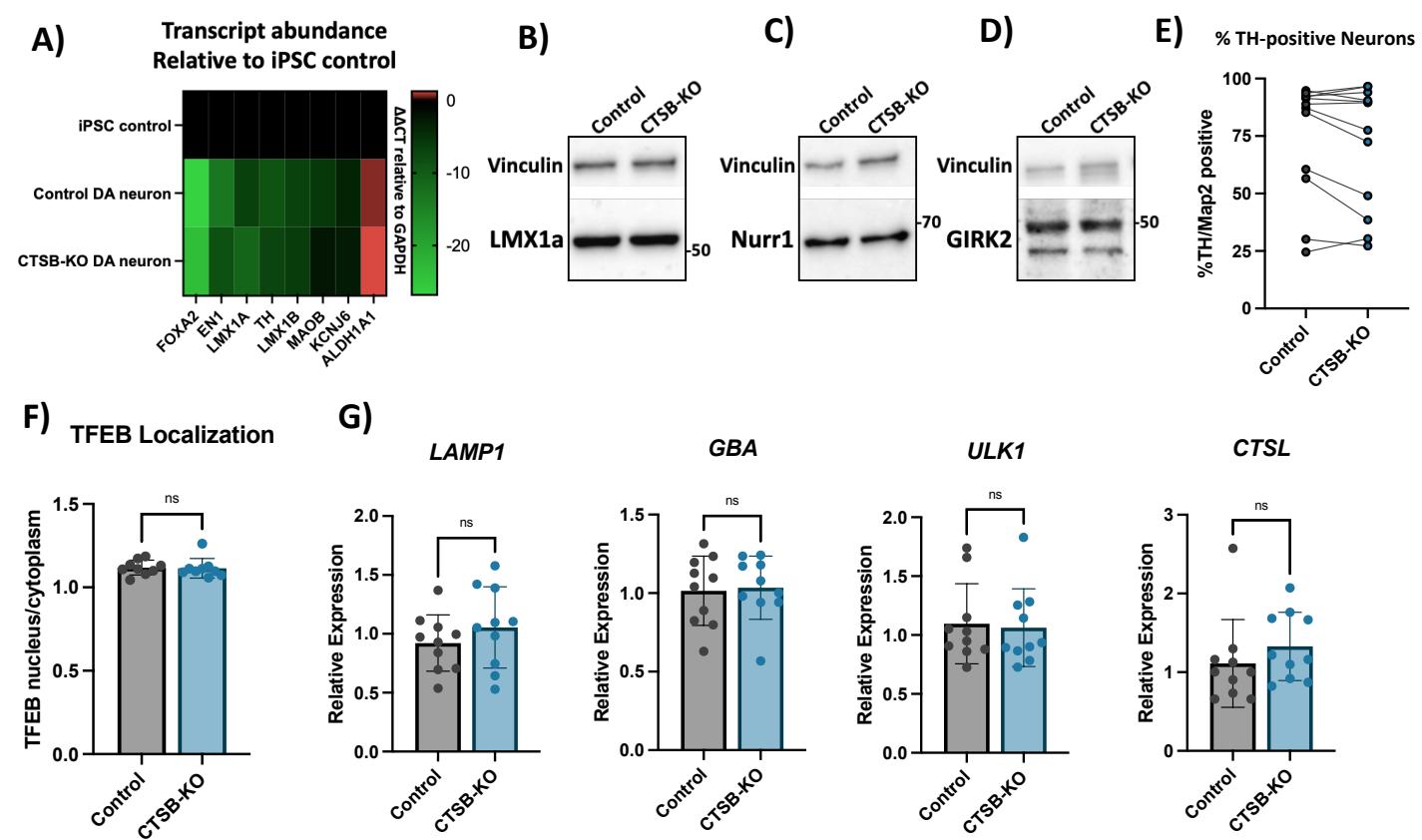
**Figure 6**

# Supplemental Figure 7

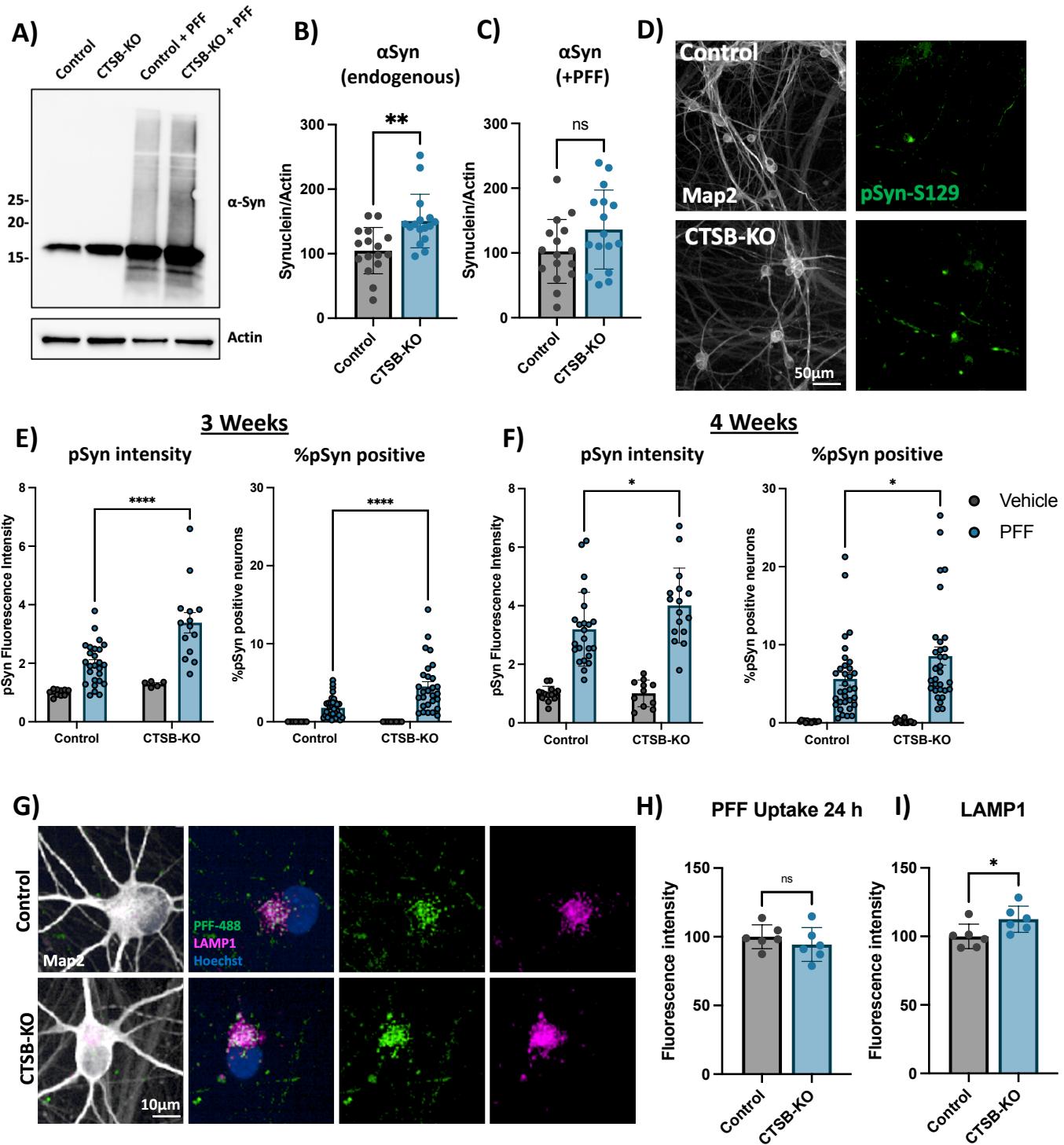


**Figure 7****A)****B)****C)****D)****E)****F)****G)** Lysosome velocity**H)****I)****J)****K)****L)****M)**

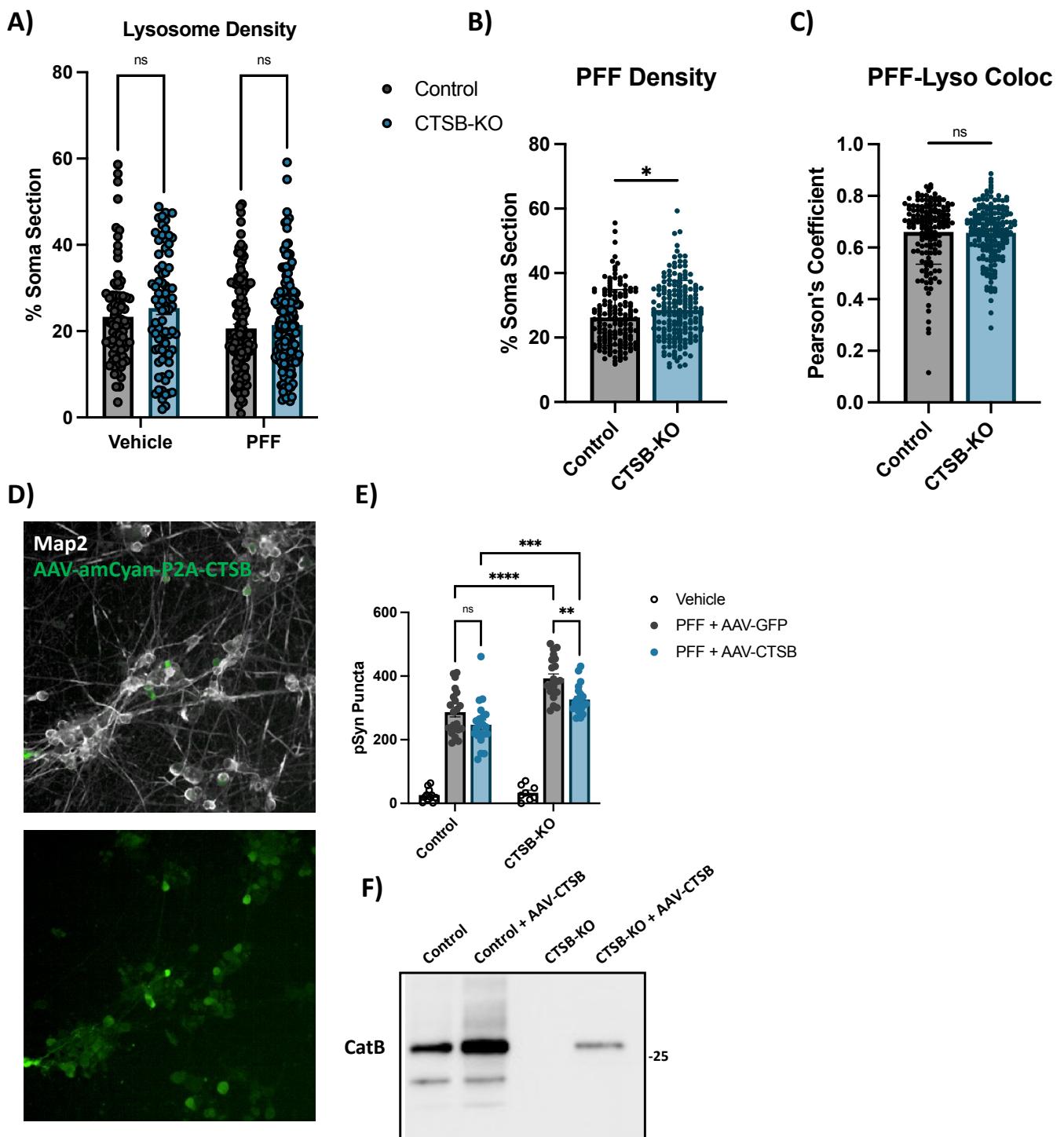
# Supplemental Figure 8

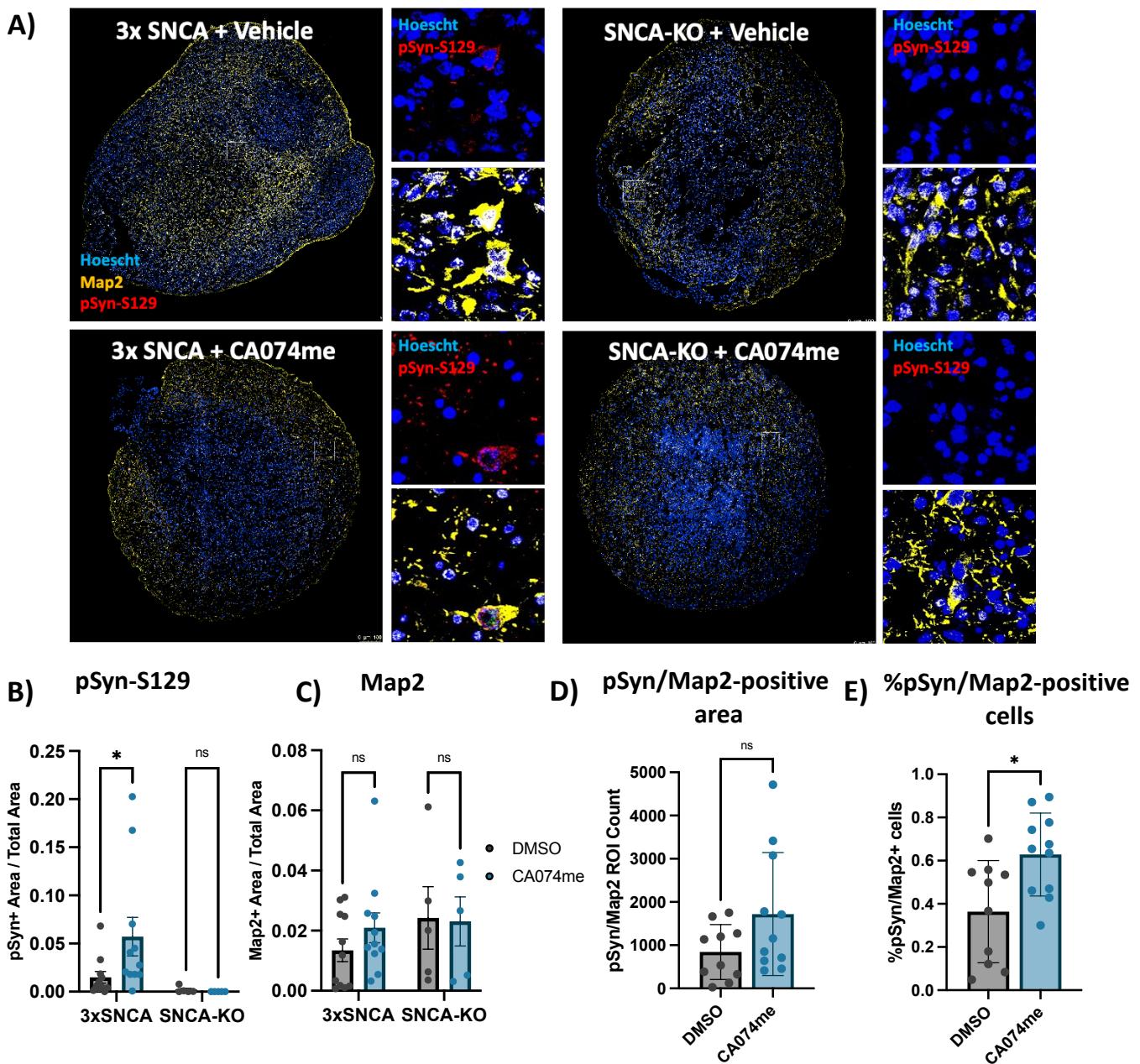


# Figure 8



# Supplemental Figure 9



**Figure 9**

## Supplemental Figure 10

