A

WT   5xFAD

5xFAD;*eIF2α*⁺/S51A   *eIF2α*⁺/S51A

5xFAD, *p*=0.74
eIF2α, *p*=0.32
5xFAD x eIF2α, *p*=0.86

Number of ChAT-positive neurons

8000
6000
4000
2000
0

WT
5xFAD
5xFAD; eIF2α⁺/S51A
eIF2α⁺/S51A

B

WT
5xFAD
5xFAD;eIF2α⁺/S51A
eIF2α⁺/S51A

ChAT

β-Actin

5xFAD, *p*=0.002
eIF2α, *p*=0.49
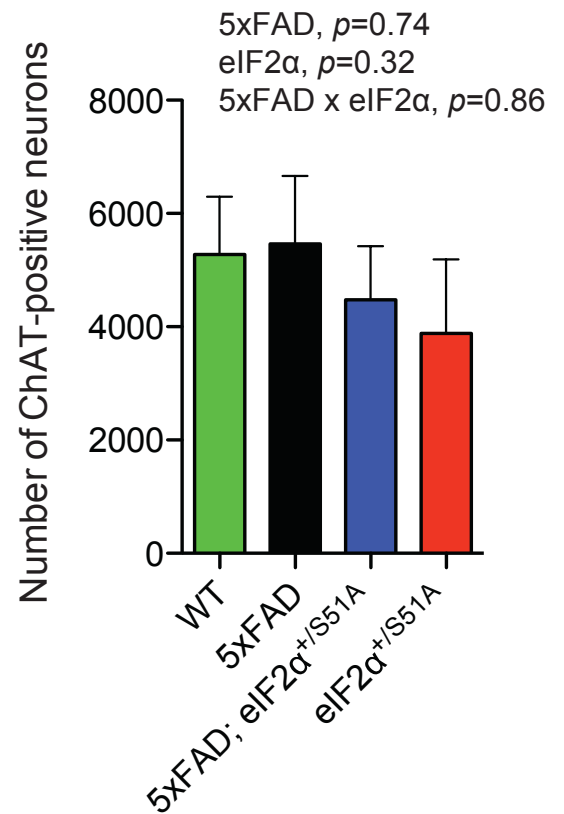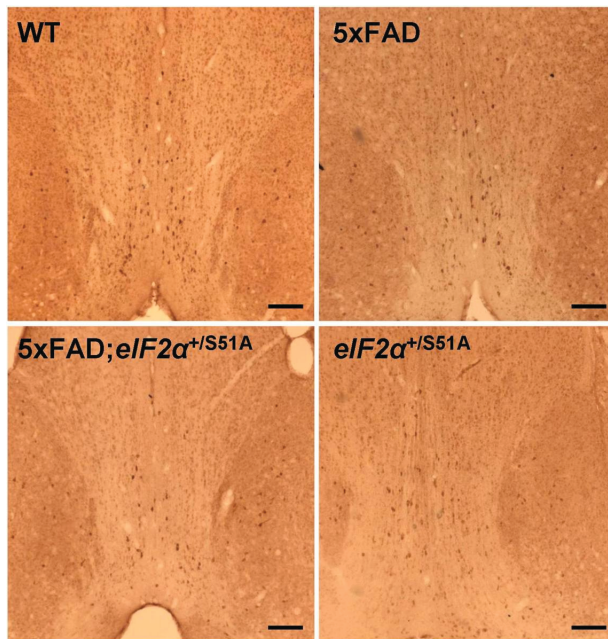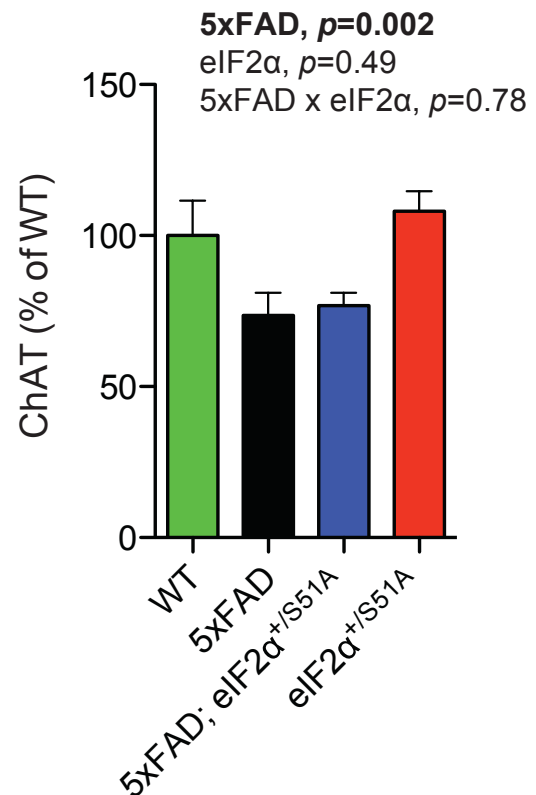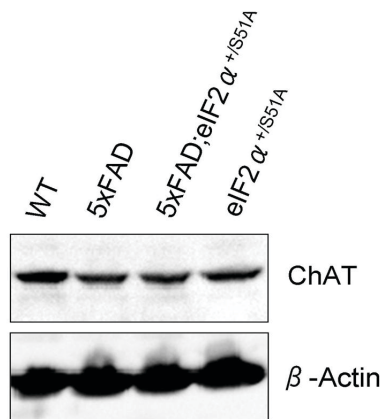5xFAD x eIF2α, *p*=0.78

ChAT (% of WT)

150
100
50
0

WT
5xFAD
5xFAD; eIF2α⁺/S51A
eIF2α⁺/S51A

Supplementary Figure 2