



### Supplemental Fig S8. Characteristics of age-related lncRNA expression in the PFC

(A) Representative ISH validation of age-related lncRNAs, *NONHSAT163151.1*, *lnc-OCM-2*, *HCG11*, *NONMMLT001498.1* in PFC across the four ages. The images are representative of replicates of three independent experiments.

(B-E) Relative ISH intensities of age-related lncRNAs, *NONHSAT163151.1*, *lnc-OCM-2*, *HCG11*, *NONMMLT001498.1* illustrated in panel A) were quantified by use of image J software. Data are present as mean  $\pm$  s.e.m. ( $n=18-26$  cells per group). Each bar represents the average of three independent experiments; error bars denote s.e.m. (\*,  $p < 0.05$ , unpaired  $t$  test).