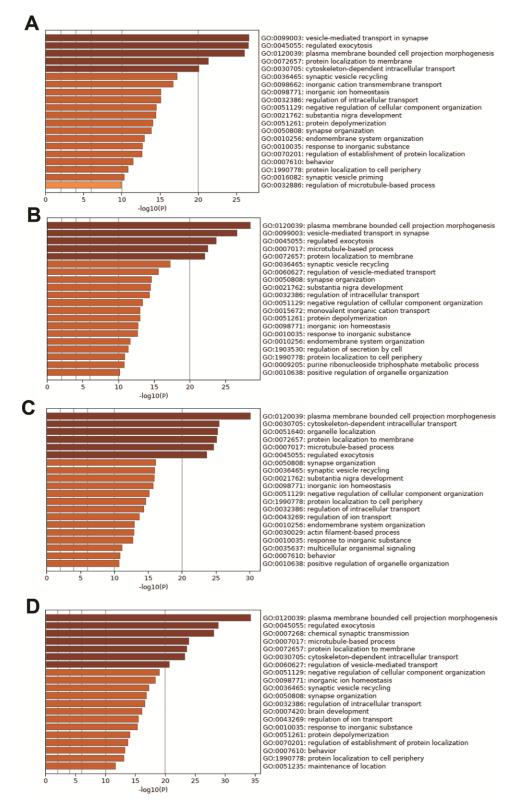
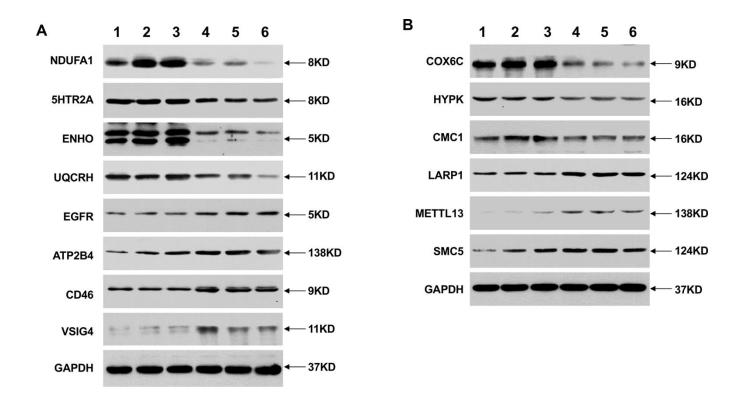
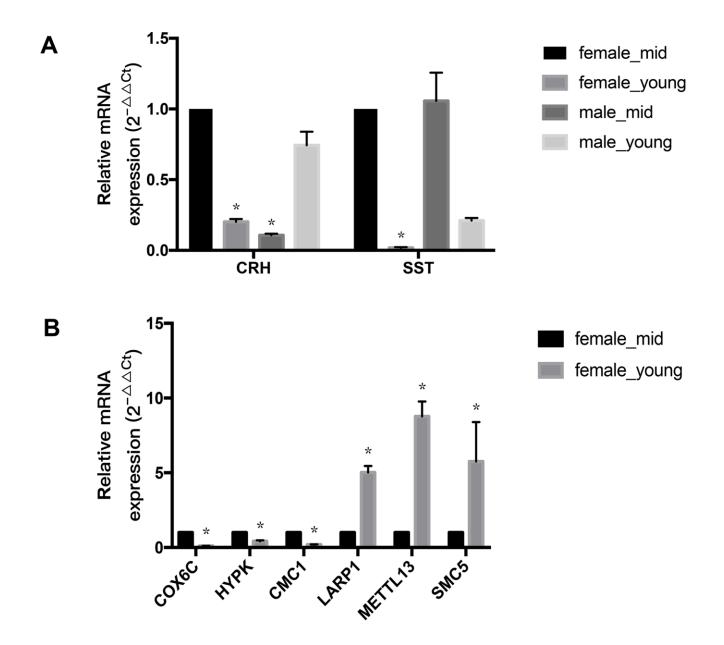
SUPPLEMENTARY FIGURES



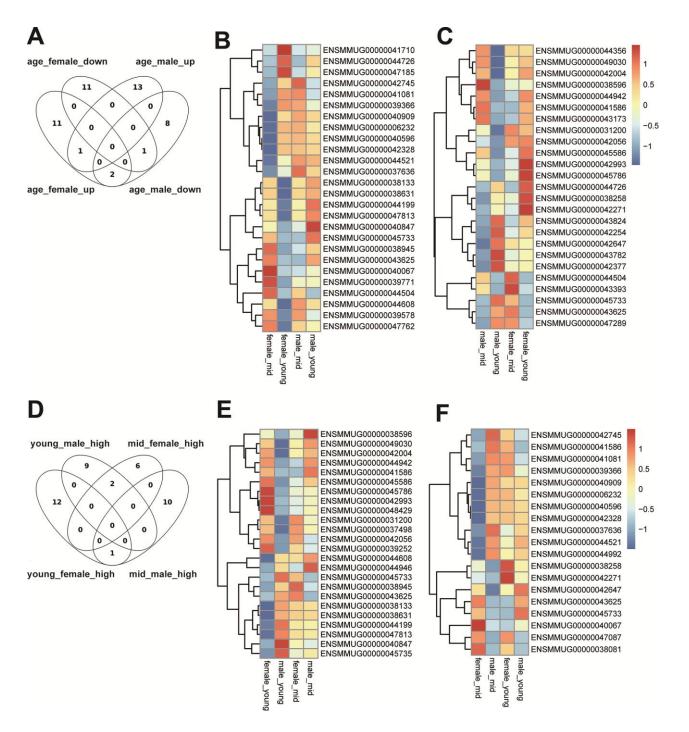
Supplementary Figure 1. The GO biological process of the top 500 genes in the hypothalamus of rhesus macaque. (A) The top 500 genes in the hypothalami of young-aged male macaques; (B) The top 500 genes in the hypothalami of middle-aged male macaques; (C) The top 500 genes in the hypothalami of young-aged female macaques; (D) The top 500 genes in the hypothalami of middle-aged female macaques.



Supplementary Figure 2. Western blots of differentially expressed genes. (A) Age-related differentially expressed genes in female macaques. (Sample 1-3: female_mid; sample 4–6: female_young). (B) Age-related differentially expressed housekeeping genes in female macaques. (Sample 1-3: female_mid; sample 4–6: female_young).



Supplementary Figure 3. Relative mRNA expression of hormone genes and differentially expressed housekeeping genes. (A) CRH, corticotropin releasing hormone; SST, somatostatin. *, compared with female_mid group, p value < 0.05. (B) *, compared with female_mid group, p value < 0.05.



Supplementary Figure 4. The Venn diagrams and heatmaps of differentially expressed lincRNAs by age and gender. (A–D) The number of differentially expressed lincRNAs in the hypothalami of rhesus macaques grouped by age and gender. (B, C) (E, F) Heatmaps show the differentially expressed lincRNAs in the hypothalami of rhesus macaques grouped by age and gender.