

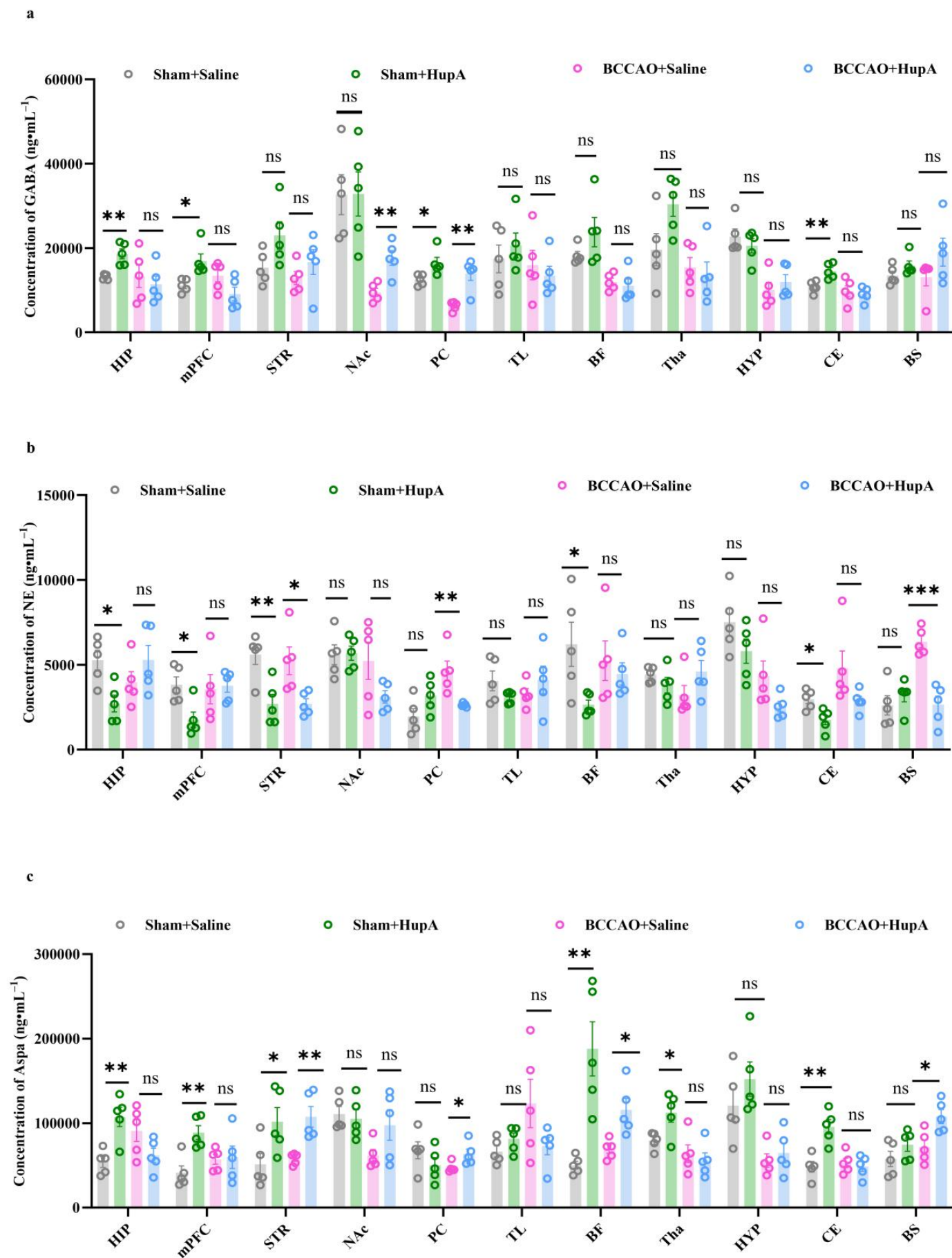


Fig. S3 Effect of HupA on other neurotransmitters in different brain regions of mice after intramuscular injection.

(a) Changes in gamma-aminobutyric acid (GABA) concentration in different brain regions after intramuscular injection of HupA ($n = 5$). HIP, hippocampus. mPFC, medial prefrontal cortex. STR, striatum. NAc, nucleus accumbens. PC, piriform cortex. TL, temporal lobe. BF, basal forebrain. Tha, thalamus. HYP, hypothalamus. CE, central nucleus of amygdala. BS, brainstem. (b) Changes in aspartate (Aspa) concentration in different brain regions after intramuscular injection of HupA ($n = 5$). (c) Changes in norepinephrine (NE) concentration in different brain regions after intramuscular injection of HupA ($n = 5$). Data are expressed as mean $\pm$ SEM; * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$; two-tailed unpaired Student's t-test (a-c).