

Fig. 1. Effect of maternal exposure to TCDD on the hypothalamic content of ATP (A) and pituitary expression of LHβ (B) in male fetal rats, and its recovery by α-lipoic acid (LA) and thiamine. Each bar represents the mean ± S.E.M. of 5-6 fetuses which were removed from different dams. Significantly different between the pairs indicated; * $p < 0.05$.

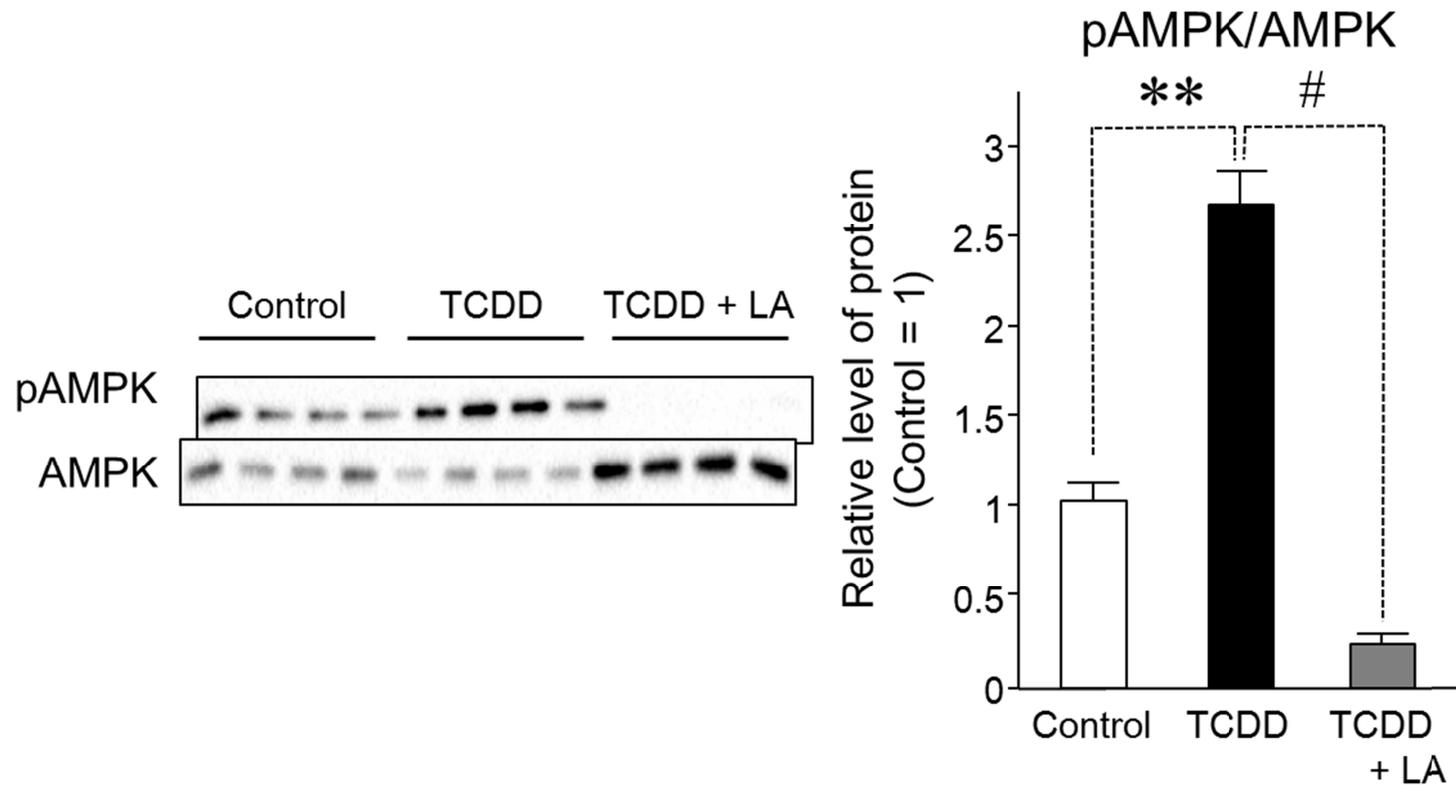


Fig. 2. Effect of maternal treatment with TCDD and α -lipoic acid (LA) on the hypothalamic level of AMP-activated protein kinase (AMPK) and its phosphorylated form (pAMPK) in male fetal rats. Each bar represents the mean \pm S.E.M. of 4 fetuses which were removed from different dams. Significantly different between the pairs indicated; ** $p < 0.01$ and # $p < 0.001$.

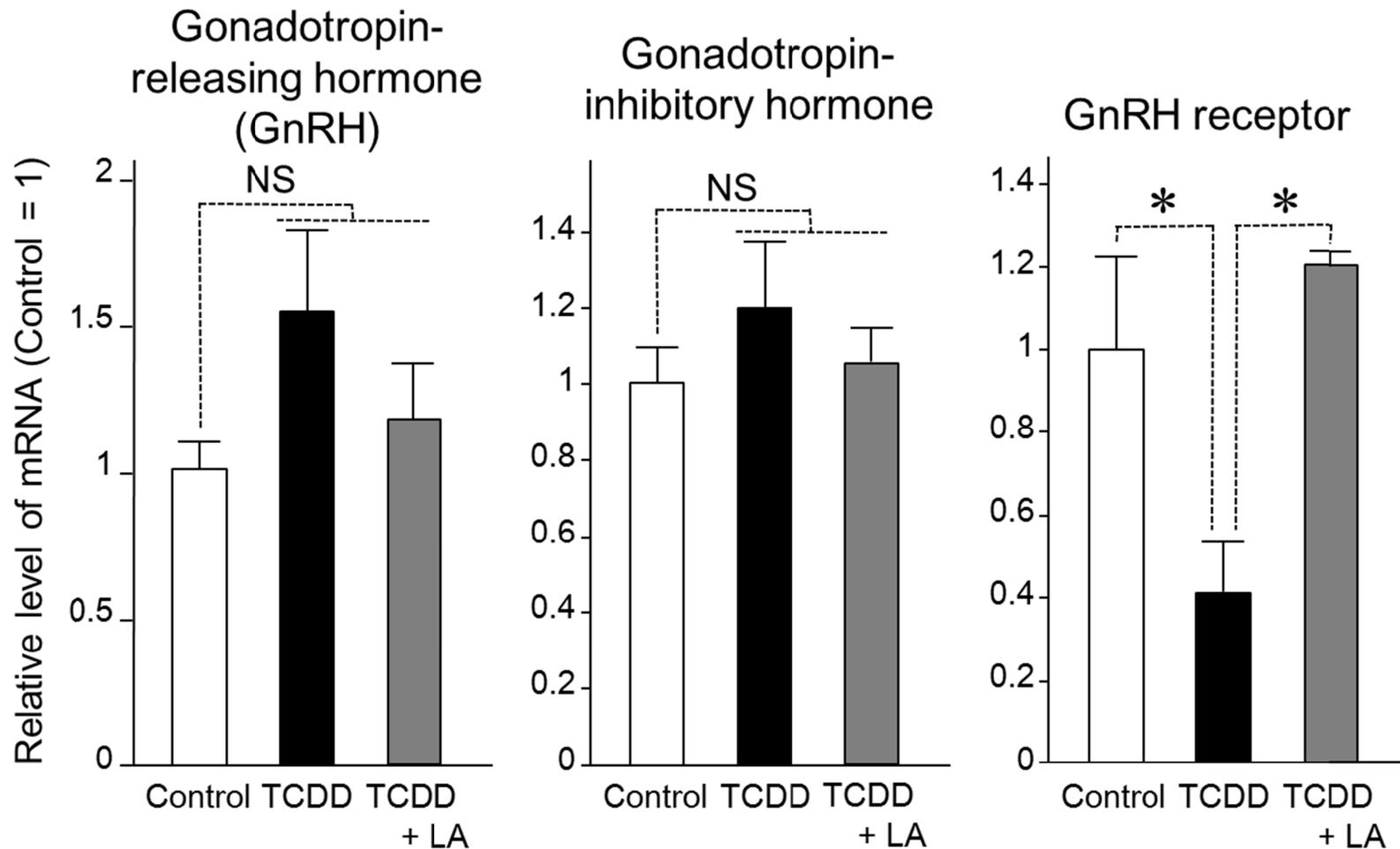


Fig. 3. Effect of maternal treatment with TCDD and α -lipoic acid (LA) on the hypothalamic expression of mRNAs coding for hypothalamic regulators for LH synthesis and its receptor in male fetal rats. Each bar represents the mean \pm S.E.M. of 5-6 fetuses which were removed from different dams. Significantly different between the pairs indicated; * p <0.05. NS: not significant.

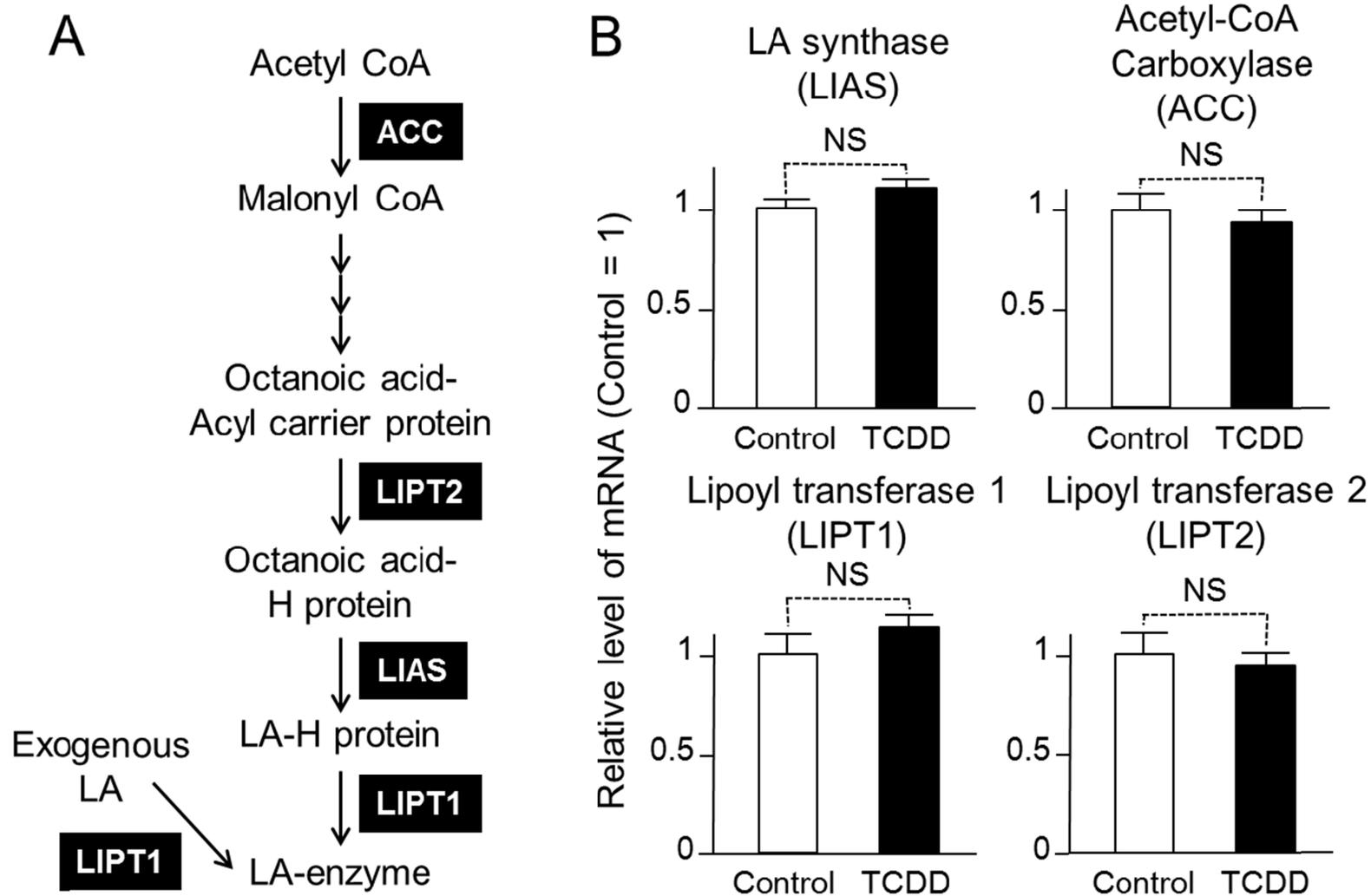


Fig. 4. Absence of the effect of maternal exposure to TCDD on the hypothalamic expression of mRNAs coding for proteins associated with LA synthesis in male fetal rats. A, The pathway of LA synthesis. B, Each bar represents the mean \pm S.E.M. of 5-6 fetuses which were removed from different dams. NS, not significant.