



S4 Fig. The validation of differentially expressed mRNAs and miRNAs in the medial prefrontal cortex (mPFC) from CUMS-induced depression mice versus control mice.

Five mRNAs and four miRNAs that belong to different functional groups and that their expressions are significantly different between control (n=8) and CUMS-induced depression mice (n=8) were selected for qRT-PCR analysis. **a-b)** The levels of Hbb-b1 and Nr1d1 were raised in CUMS-induced depression mice. **c-e)** The levels of Gad1, Mbp and Slc6a11 were decreased in CUMS-induced depression mice. **f-i)** The four selected miRNAs (mmu-miR-879-5p, mmu-miR-144-3p, mmu-miR-582-5p and mmu-miR-15b-5p) in CUMS-induced depression mice were analyzed. The data are expressed as mean \pm SEM. ** $p < 0.01$, *** $p < 0.001$.