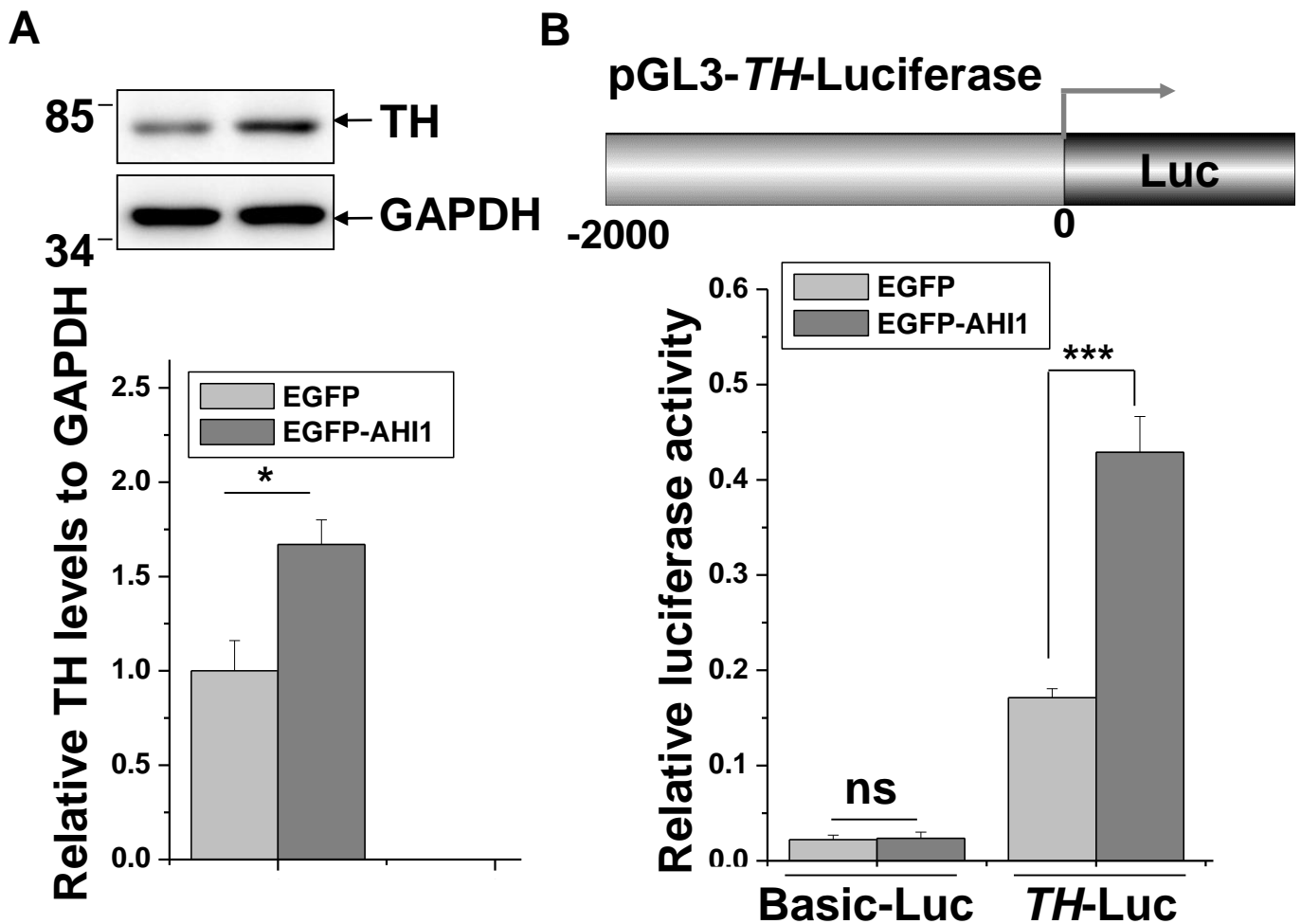**Supporting Information**
Figure S1

A

B

Figure S1. A, N2a cells were transfected with EGFP or EGFP-AHI1. Forty-eight hr after transfection, the cell lysates were subjected to immunoblot analysis. The relative intensities of TH to GAPDH shown in lower panel were analyzed. *, $P < 0.05$, n=3. **B**, HEK293 cells were transfected with PGL3-Basic-Luc or PGL3-*TH*-Luc along with EGFP or EGFP-AHI1. Forty-eight hr after transfection, Luciferase reporter assays were performed. ***, $P < 0.001$, ns, no statistical significance, n=3.
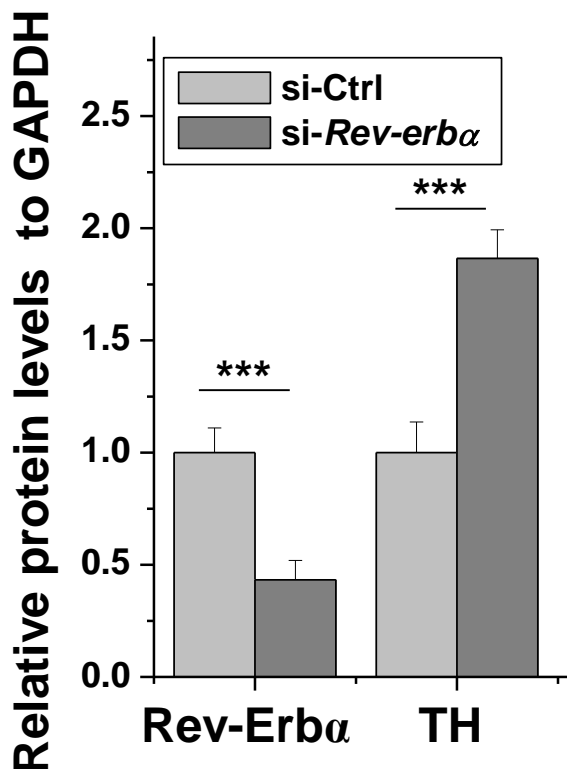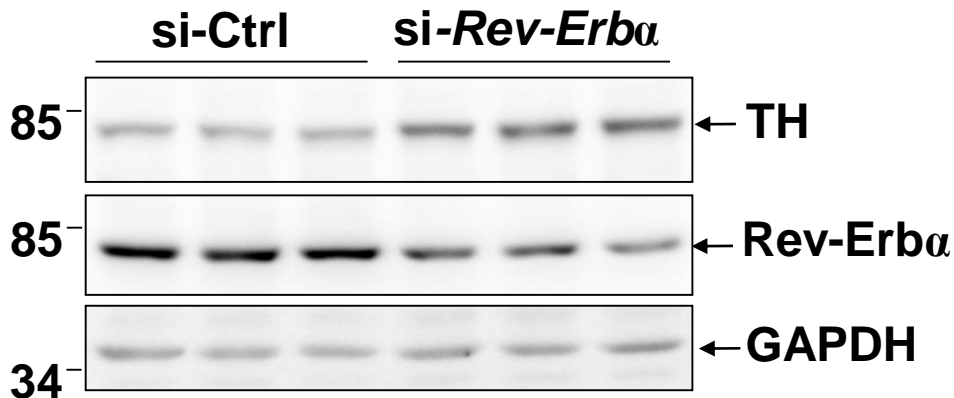
Figure S2

Figure S2. N2a cells were transfected with indicated siRNAs. Seventy-two hr after transfection, the total cell lysates were subjected to immunoblot analysis. The relative levels of Rev-Erbα or TH to GAPDH in (lower panel) were analyzed. ***, $P < 0.001$, n=3.
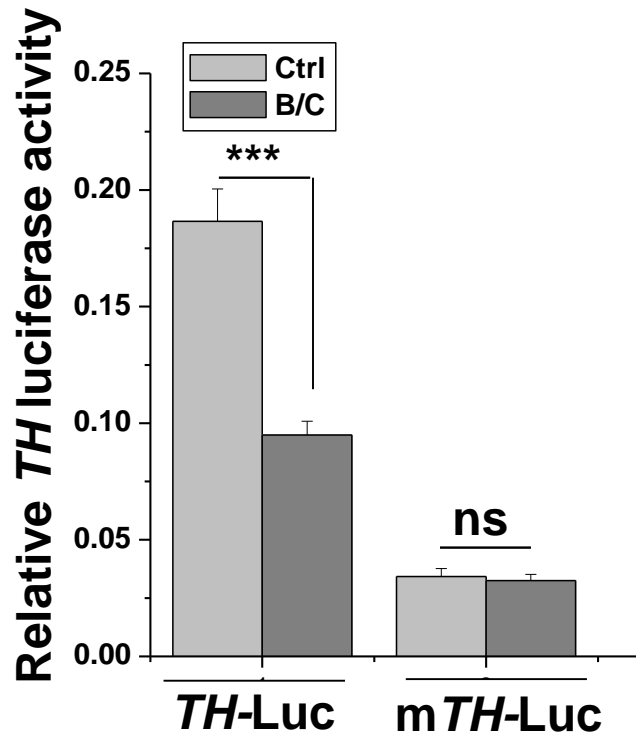
Figure S3

Figure S3. HEK293 cells were transfected with PGL3-*TH*-Luc or PGL3-m*TH*-Luc along with HA or HA-BMAL1/HA-CLOCK (B/C), respectively. Forty-eight hr after transfection, Luciferase reporter assay was performed. ***, $P < 0.001$, ns, no statistical significance, n=3.
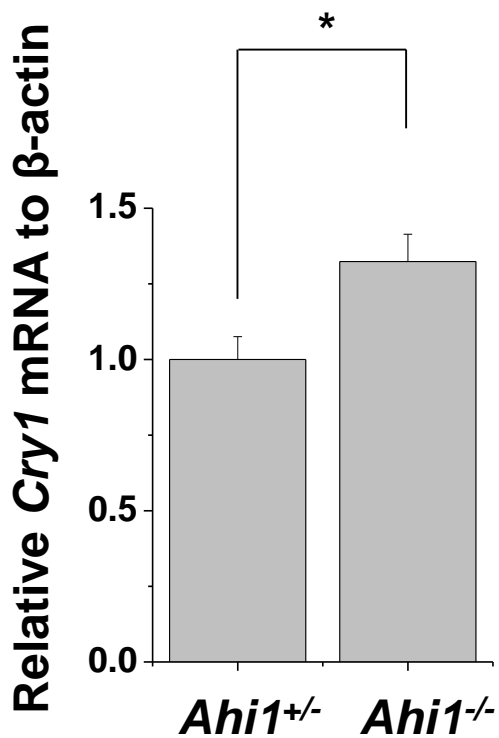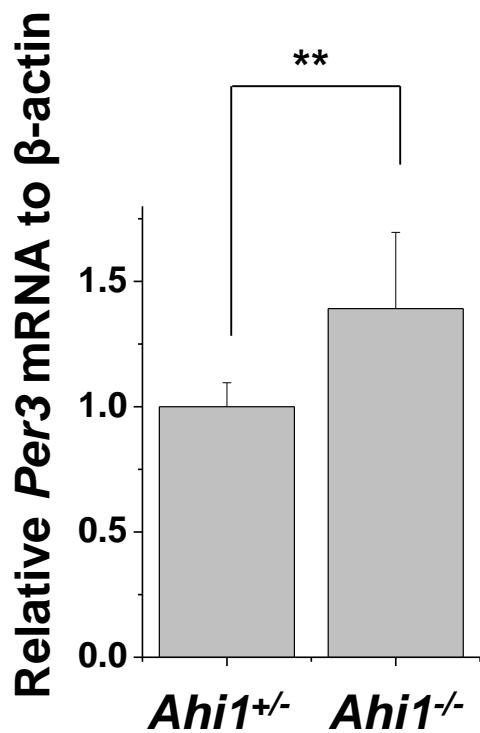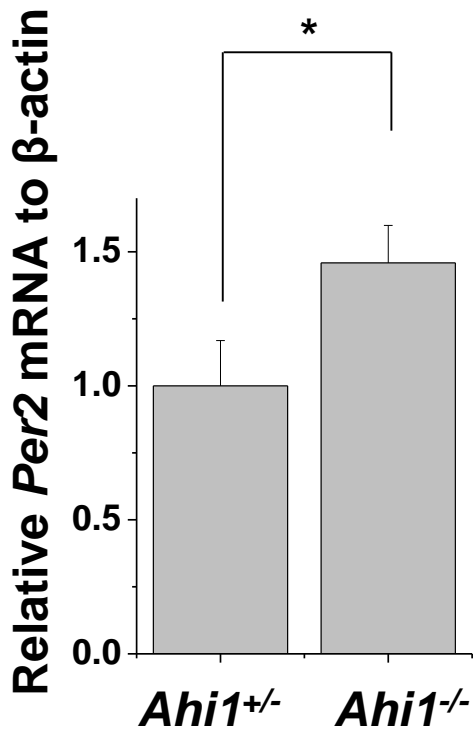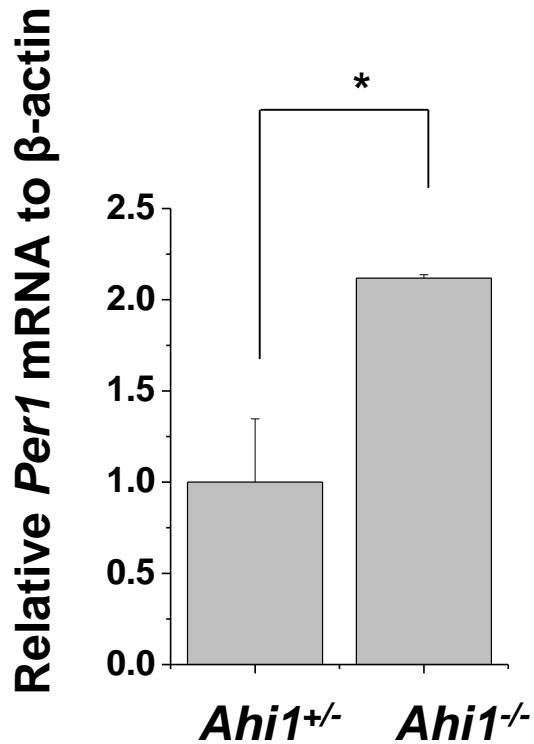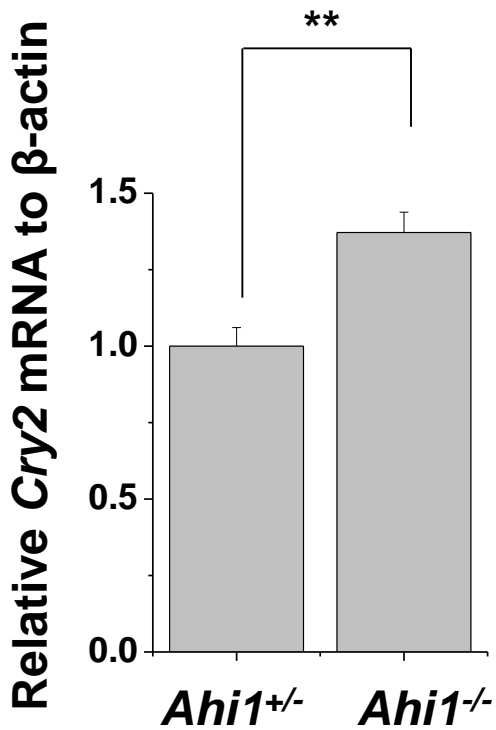
Figure S4

Figure S4 continued

Figure S4. Relative mRNA levels of *Per1, Per2, Per3, Cry1 or Cry2* of *Ahi1* KO mouse midbrains and littermate controls were examined using qRT-PCR, *, $P < 0.05$, **, $P < 0.01$, n=5.