

1 **SUPPLEMENTAL FIGURE LEGENDS**

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3 **Supplemental Figure 1. *Rev-erb α* mRNA expression in different tissues.** Relative mRNA
4 expression of *Rev-erb α* in the liver, the hippocampus (HIP), the ventral tegmental area (VTA), and the
5 striatum (ST) of WT mice at 1PM and 5AM. Data are the mean \pm s.e.m. (Student's *t* test, **P*<0.01 and
6 ***P*<0.001 vs. 1PM same tissue, n=4-7).

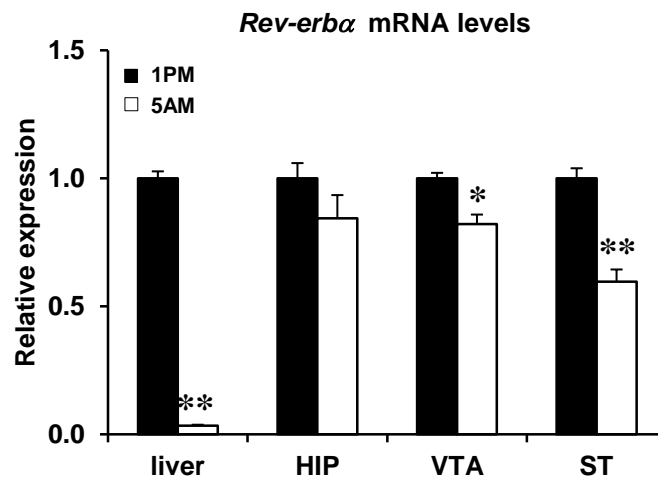
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8 **Supplemental Figure 2. *Th* mRNA expression in different part of the brain.** Relative mRNA
9 expression of *Th* in the striatum (ST), frontal cortex (FC), and hypothalamus (HYPO) of WT and *Rev-*
10 *erb α* KO mice. Data are the mean \pm s.e.m. (n=5).

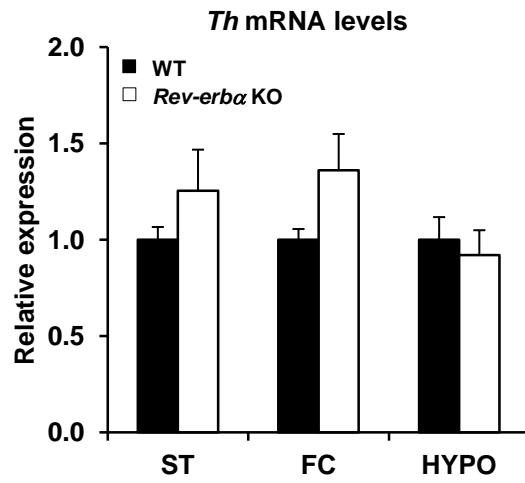
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12 **Supplemental Figure 3. Nuclear receptor mRNA expression in the ventral tegmental area.**
13 Relative mRNA expression of *Nor1*, *Nur77*, and *Nurr1* in the ventral tegmental area (VTA) of WT
14 and *Rev-erb α* KO mice. Data are the mean \pm s.e.m. (n=6).

Supplemental Figure 1



Supplemental Figure 2



Supplemental Figure 3

