



Supplemental Fig S1. Heterozygous gene expression of *Nr1d1* does not cause the disruption of circadian activity. (a) Actogram showing representing wheel-running activity in 6-8 weeks old *Nr1d1*^{+/+} and *Nr1d1*^{+/-} mice. Mice were kept in circadian cabinets on a strict 12h/12h Light/Dark cycle. **(b)** Actograms showing wheel-running activity of 7-9 weeks old *Nr1d1*^{+/-} and *Nr1d1*^{+/+} mice exposed to continual darkness. Mice were kept in circadian cabinets on a strict 24h dark cycle. Black arrows indicate earliest signs of shift in circadian behavior that is conserved across both genotypes. Actograms were generated using Matlab Clocklab.