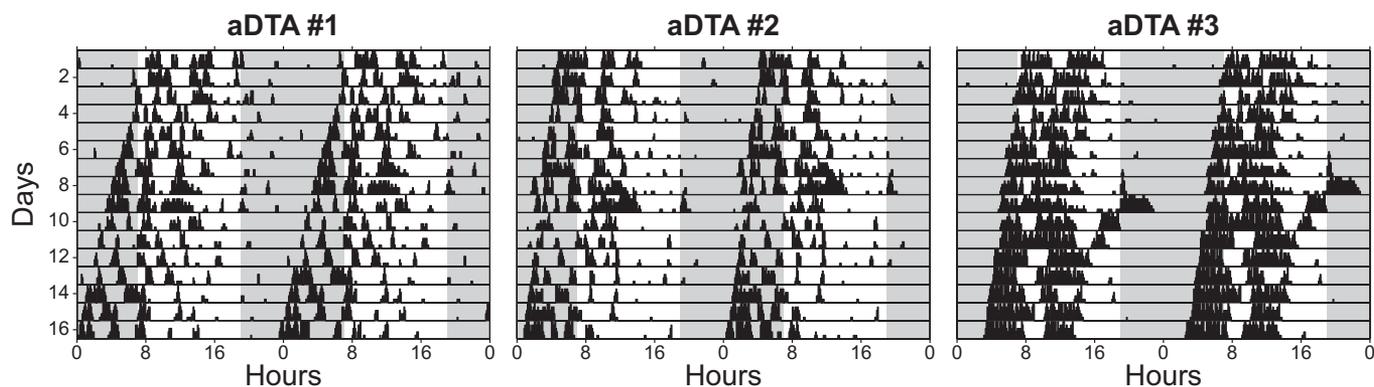


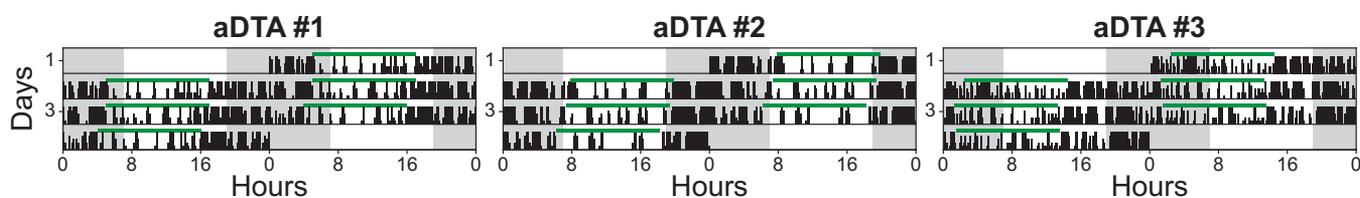
# Supporting Information

Altimus *et al.* 10.1073/pnas.0808312105

## A Activity (measured by wheel running)



## B Percent Wake (measured by EEG/EMG)



**Fig. S1.** aDTA mice are unable to photo-entrain their sleep or wheel running activity rhythms. (A) Wheel running activity from three representative aDTA mice recorded before sleep study shows that these mice are free-running throughout LD cycle and do not show residual light effects. (B) Graphs depicting wake as recorded by EEG/EMG in the mice shown in A. Proportion of time awake in a 10-min interval is shown by black bar. Gray box depicts lights off in both A and B. Green lines in B show a 12-h period of sleep percentage greater than 60%.



