

Supplements

Title

Induction of internal circadian desynchrony by misaligning *zeitgebers*

Authors

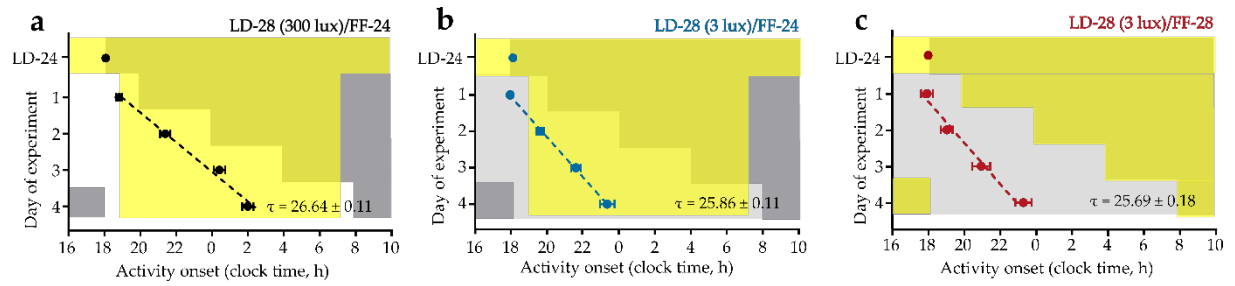
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Affiliations

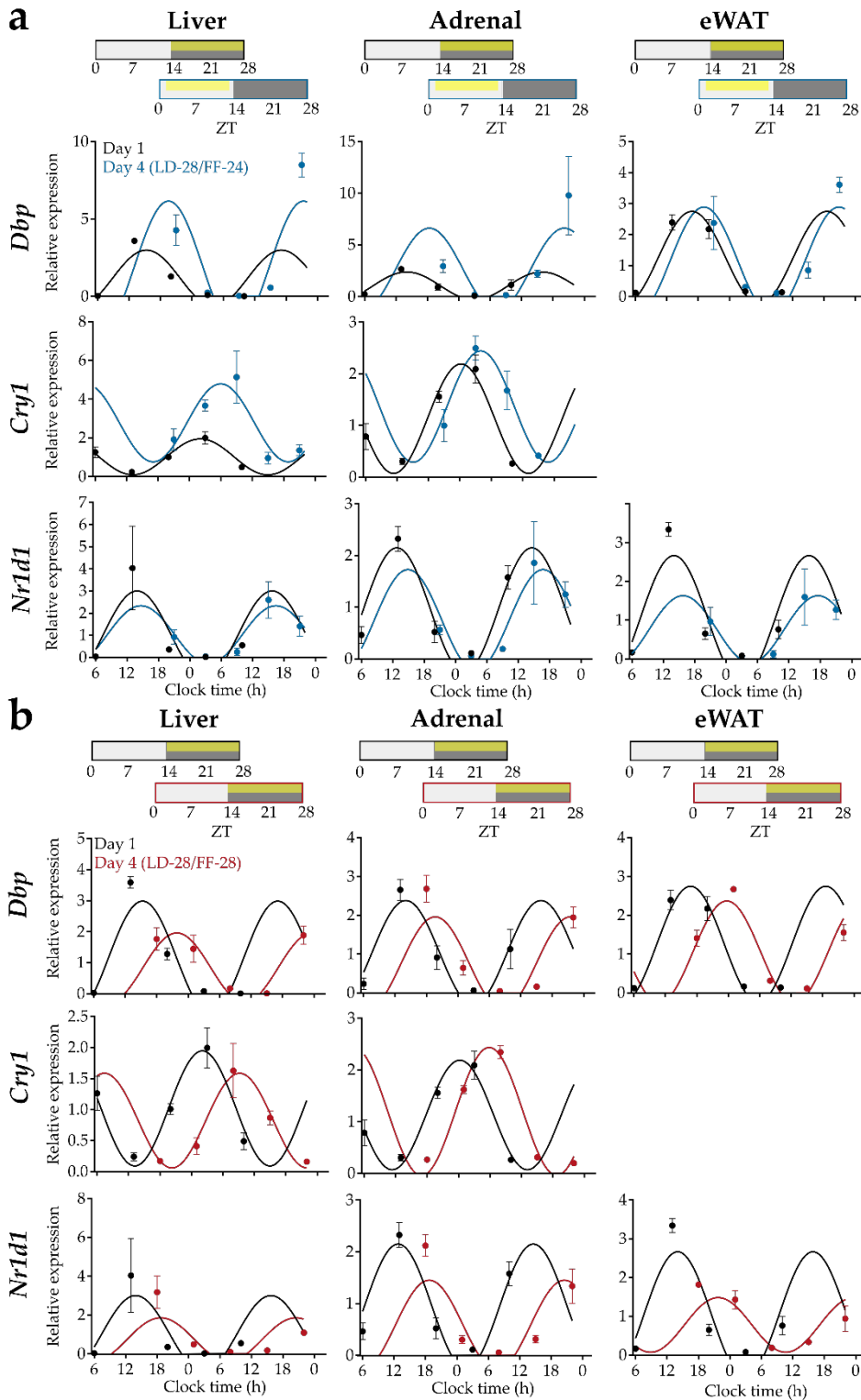
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Supplemental figure 1. Daily activity onsets under (a) LD-28/FF-24 (300 lux, n=46-55), (b) LD-28/FF-24 (3 lux, n=58-66) and (c) LD-28/FF-28 (3 lux, n=8-15) conditions. Dark phases and food access times are indicated in dark grey and yellow shadings, respectively. Light grey shading in (b,c) indicate experimental light phase (3 lux). Data are shown as means \pm SEM.



Supplemental figure 2. Clock gene expression profiles on the first and fourth day under LD-28/FF-24 and LD-28/FF-28 conditions. Diurnal mRNA expression profiles over 28 h for *Dbp* (upper panel), *Cry1* (middle panel) and *Nr1d1* (lower panel) on the first day of experiment (a, b) under LD-28/FF-28 conditions (black) and fourth day of experiment under (a) LD-28/FF-24 (blue) and (b) LD-28/FF-28 (red) conditions in liver, adrenal and eWAT (left to right). Data are shown as means \pm SEM, $n=3-5$ animals per time point. Fitted curves are sine waves with a wavelength of 25.8 h. Note, that *Cry1* diurnal expression profiles in eWAT were not rhythmic on the fourth day of experiment under LD-28/FF-24 and LD-28/FF-28 conditions and were, therefore, excluded from further analysis. Light grey, dark grey

and yellow bars on top indicate light phase, dark phase and food access time on the corresponding day.