



**Suppl. Fig. 3: Corticosterone peaks during jet lag.**

Corticosterone measured from fecal samples collected every 4 h from control (*Syt10<sup>Cre/Cre</sup> Bmal1<sup>+/-</sup>*) and mutant mice (*Syt10<sup>Cre/Cre</sup> Bmal1<sup>fl/-</sup>*) during a jet lag paradigm. On day1 the LD cycle was advanced by 6 hours. Peak values were obtained from sine wave fits of corticosterone excretion values (Fig. 3G, H). Dotted lines represent the expected peak time after completion of a 6 h phase advance (for mutants in red, for controls in black). Peak times were compared using a 2-way ANOVA, \* denotes  $p < 0.05$  in Bonferroni posttest controls vs. mutants. One sample t-tests comparing peaks times on every day with the expected peak time after completion of the phase shift (dotted lines) revealed significantly different peaks for controls on all days, and significantly different peaks for mutants on days 0 and 1, suggesting that mutant mice have completed the phase shift on day 2, whereas controls have not yet completed the shift at day 3.