## Cell Metabolism, Volume 8 Supplemental Data

## Regulation of Feeding and Metabolism by Neuronal and Peripheral Clocks in *Drosophila*

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 $(A)w^{1118}$  flies exhibit a rhythmic feeding pattern in DD.

(B) Flies with a disrupted fat body clock show an altered phase of feeding.



Figure S2. *zw* cycles in the fat body of control flies carrying UAS-dnCLK alone, but not in the fat body of flies carrying both UAS-dnCLK and *to*-Gal4.



## Figure S3. Locomotor activity rhythms do not change in flies with a disrupted fat body clock.

(A) and (B) Activity records of two representative flies carrying UAS-dnCLK and to-

Gal4. (C) and (D) Activity records of two control flies carrying only UAS-dnCLK.





The phenotype is weaker than that produced by overexpressing dnCLK. Asterisks indicate significant difference (p<0.05). Statistical significance was determined by two-tailed Student's t-test with unequal variance.



Figure S5. The clock in the fat body affects lipid storage.

Triglyceride levels are lower in male flies carrying either UAS-dnCLK and *to*-Gal4 (A) or UAS-dnCYC and *to*-Gal4 (B). Asterisks indicate significant differences (p<0.05). Statistical significance was determined by two-tailed Student's t-test with unequal variance.





Starvation was initiated at the times shown and survival was measured as described earlier. Resistance to starvation was greatest at ZT8 and ZT10.