dSec16 **Acting in Insulin-Producing Cells Controls Energy Homeostasis in**

Drosophila

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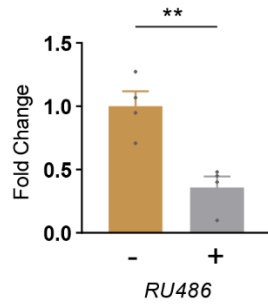**Supplementary Material**

Figure S1

Figure S1

Relative *dSec16* expression in flies with or without RU486 activation in whole Drosophila body. n, indicates a biological replicate of 15 flies. Data are presented as mean ± SEM. Two-tailed unpaired t-test was used. **$p < 0.01$.
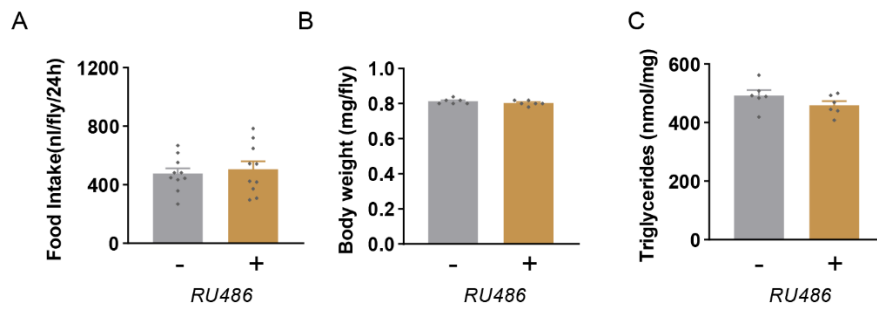
Figure S2

Figure S2

(A-C) RU486 had no effect on food intake (H, n=10 replicate), body weight (I, n=6 replicate), or TAG (J, n=6 replicate). All experiments were done in male adult flies (4-7 days old) fed on a normal diet. n, indicates a biological replicate. Data are presented as mean ± SEM. Two-tailed unpaired t-test was used. $*p < 0.05$, $**p < 0.01$, $***p < 0.001$, $****p < 0.0001$.

Abbreviation	Primer Pairs
rp49	5'-ATCGGTTACGGATCGAACAA-3' 5'-GACAATCTCCTTGCGCTTCT-3'
dilp2	5'-AGCAAGCCTTTGTCCTTCATCTC-3' 5'-ACACCATACTCAGCACCTCGTTG-3'
dilp3	5'-TGTGTGTATGGCTTCAACGCAATG-3' 5'-CACTCAACAGTCTTTCCAGCAGGG-3'
dilp5	5'-GAGGCACCTTGGGCCTATTC-3' 5'-CATGTGGTGAGATTCGG-3'
upd2	5'-CACAAGTGCGGTGAAGCTAA-3' 5'-GGCTCTTCTGCTGATCCTTG-3'
AKH	5'-AGACCTCCAACGAAATGCTG-3' 5'-GTGCTTGCAGTCCAGAAAGAG-3'
dSec16	5'-GCGGACGCTACAACTA-3' 5'-GCAGGATCTGCCATTA-3'

Table S1.

List of primers used for the RT-QPCR analysis. All primers are displayed in 5'-3' direction.