

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

[w\[1118\]; TI{w\[+mW.hs\]=TI}Ilp2\[1\]](#)

RRID:BDSC_30881

Type: Organism

Proper Citation

RRID:BDSC_30881

Organism Information

URL: <https://n2t.net/bdsc:30881>

Proper Citation: RRID:BDSC_30881

Description: Drosophila melanogaster with name w[1118]; TI{w[+mW.hs]=TI}Ilp2[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Sebastian Gronke, University College London

Affected Gene: Ilp2, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 30881

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_30881, BDSC:30881, BL30881

Organism Name: w[1118]; TI{w[+mW.hs]=TI}Ilp2[1]

Record Creation Time: 20240911T222518+0000

Record Last Update: 20260912T203552+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; TI{w[+mW.hs]=TI}Ilp2[1].

No alerts have been found for w[1118]; TI{w[+mW.hs]=TI}Ilp2[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Sridharan S, et al. (2026) ILP4 and InR regulate paclitaxel-induced hypersensitivity differently in Drosophila larvae. *Molecular biology of the cell*, 37(1), ar11.

Huang S, et al. (2025) Enhanced memory despite severe sleep loss in Drosophila insomniac mutants. *PLoS biology*, 23(3), e3003076.

Suzawa M, et al. (2025) The insulin-like peptides Dilp2 and Dilp6 exhibit divergent responses to dietary sugar and protein in Drosophila larvae. *Proceedings of the National Academy of Sciences of the United States of America*, 122(42), e2426930122.

Henstridge MA, et al. (2025) Insulin-like peptides play distinct roles in nutrient-dependent plasticity in Drosophila. *G3 (Bethesda, Md.)*.

Jiménez-Padilla Y, et al. (2024) Live yeasts accelerate Drosophila melanogaster larval development. *The Journal of experimental biology*, 227(19).

Weisz ED, et al. (2024) PGC-1 γ integrates insulin signaling with mitochondrial physiology and behavior in a Drosophila model of Fragile X Syndrome. *npj metabolic health and disease*, 2.

Chiang MH, et al. (2023) Independent insulin signaling modulators govern hot avoidance under different feeding states. *PLoS biology*, 21(10), e3002332.

Zhang L, et al. (2022) Nutrients and pheromones promote insulin release to inhibit courtship drive. *Science advances*, 8(10), eabl6121.

Barber AF, et al. (2021) Drosophila clock cells use multiple mechanisms to transmit time-of-day signals in the brain. *Proceedings of the National Academy of Sciences of the United States of America*, 118(10).

Wang P, et al. (2020) Visceral Mechano-sensing Neurons Control Drosophila Feeding by Using Piezo as a Sensor. *Neuron*, 108(4), 640.

Sanaki Y, et al. (2020) Hyperinsulinemia Drives Epithelial Tumorigenesis by Abrogating Cell Competition. *Developmental cell*, 53(4), 379.

Brown EB, et al. (2020) *Drosophila* insulin-like peptide 2 mediates dietary regulation of sleep intensity. *PLoS genetics*, 16(3), e1008270.

Post S, et al. (2019) *Drosophila* insulin-like peptide dilp1 increases lifespan and glucagon-like Akh expression epistatic to dilp2. *Aging cell*, 18(1), e12863.

Ren S, et al. (2018) dTBC1D7 regulates systemic growth independently of TSC through insulin signaling. *The Journal of cell biology*, 217(2), 517.

Sawala A, et al. (2017) The sex of specific neurons controls female body growth in *Drosophila*. *PLoS biology*, 15(10), e2002252.

Lebreton S, et al. (2017) Insulin Signaling in the Peripheral and Central Nervous System Regulates Female Sexual Receptivity during Starvation in *Drosophila*. *Frontiers in physiology*, 8, 685.