

Resource Summary Report

Generated by [Kravitz](#) on Sep 11, 2026

w[118]; P{w[+mC]=tGPH}4

RRID:BDSC_8164

Type: Organism

Proper Citation

RRID:BDSC_8164

Organism Information

URL: <https://n2t.net/bdsc:8164>

Proper Citation: RRID:BDSC_8164

Description: Drosophila melanogaster with name w[118]; P{w[+mC]=tGPH}4 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Bruce Edgar, Fred Hutchinson Cancer Center

Affected Gene: alphaTub84B, Tag:PH(step), w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 8164

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8164, BDSC:8164, BL8164

Organism Name: w[118]; P{w[+mC]=tGPH}4

Record Creation Time: 20240911T222214+0000

Record Last Update: 20260905T135843+0000

Ratings and Alerts

No rating or validation information has been found for w[118]; P{w[+mC]=tGPH}4.

No alerts have been found for w[118]; P{w[+mC]=tGPH}4.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Alza L, et al. (2026) Pro-tumoral Ca²⁺ signaling is dependent on Slowpoke and Ca²⁺ channels in Drosophila melanogaster glioma. Scientific reports, 16(1).

Fischer Z, et al. (2025) The Drosophila pseudokinase Tribbles translocates to the fat body membrane in response to fasting to modulate insulin sensitivity. Development (Cambridge, England), 152(8).

Malin J, et al. (2024) Pten, PI3K, and PtdIns(3,4,5)P₃ dynamics control pulsatile actin branching in Drosophila retina morphogenesis. Developmental cell, 59(12), 1593.

Fujita N, et al. (2024) PI(4,5)P₂ role in Transverse-tubule membrane formation and muscle function. bioRxiv : the preprint server for biology.

Ma P, et al. (2024) Gut microbiota metabolite tyramine ameliorates high-fat diet-induced insulin resistance via increased Ca²⁺ signaling. The EMBO journal, 43(16), 3466.

Li Y, et al. (2024) Atractylodes macrocephala Koidz. and Cuscuta chinensis Lam. extract relieves insulin resistance via PI3K/Akt signalling in diabetic Drosophila. Journal of traditional and complementary medicine, 14(4), 424.

Ugrankar-Banerjee R, et al. (2023) The fat body cortical actin network regulates Drosophila inter-organ nutrient trafficking, signaling, and adipose cell size. eLife, 12.

Gerlach SU, et al. (2022) PTP10D-mediated cell competition is not obligately required for elimination of polarity-deficient clones. Biology open, 11(11).

Kapali GP, et al. (2022) The steroid hormone ecdysone regulates growth rate in response to oxygen availability. Scientific reports, 12(1), 4730.

Cao X, et al. (2022) Sanghuang Tongxie Formula Ameliorates Insulin Resistance in Drosophila Through Regulating PI3K/Akt Signaling. Frontiers in pharmacology, 13, 874180.

Zhou S, et al. (2022) Parasite reliance on its host gut microbiota for nutrition and survival. The ISME journal, 16(11), 2574.

Kim JH, et al. (2021) Hedgehog signaling and Tre1 regulate actin dynamics through PI(4,5)P₂ to direct migration of Drosophila embryonic germ cells. Cell reports, 34(9), 108799.

Jarabo P, et al. (2021) Insulin signaling mediates neurodegeneration in glioma. *Life science alliance*, 4(3).

Miao H, et al. (2021) A PtdIns(3,4,5)P3 dispersal switch engages cell ratcheting at specific cell surfaces. *Developmental cell*, 56(18), 2579.

Yoshinari Y, et al. (2021) The sugar-responsive enteroendocrine neuropeptide F regulates lipid metabolism through glucagon-like and insulin-like hormones in *Drosophila melanogaster*. *Nature communications*, 12(1), 4818.

Liu Y, et al. (2019) Cardiac Snail family of transcription factors directs systemic lipid metabolism in *Drosophila*. *PLoS genetics*, 15(11), e1008487.

Ong K, et al. (2019) Multiple feedback mechanisms fine-tune Rho signaling to regulate morphogenetic outcomes. *Journal of cell science*, 132(8).

Texada MJ, et al. (2019) A fat-tissue sensor couples growth to oxygen availability by remotely controlling insulin secretion. *Nature communications*, 10(1), 1955.

Del Signore SJ, et al. (2018) The WAVE Regulatory Complex and Branched F-Actin Counterbalance Contractile Force to Control Cell Shape and Packing in the *Drosophila* Eye. *Developmental cell*, 44(4), 471.