

# Resource Summary Report

Generated by [ASWG](#) on Aug 6, 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, BL8164

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

**Record Creation Time:** 20240911T222214+0000

**Record Last Update:** 20260801T194646+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.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 16 mentions in open access literature.

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

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)P 2 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 Ca<sup>2+</sup> signaling. *The EMBO journal*, 43(16), 3466.

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

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

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

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

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.

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

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

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.