

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

[w\[*\]; P{w\[+mC\]=ppl-GAL4.P}2](#)

RRID:BDSC_58768

Type: Organism

Proper Citation

RRID:BDSC_58768

Organism Information

URL: <https://n2t.net/bdsc:58768>

Proper Citation: RRID:BDSC_58768

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=ppl-GAL4.P}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Ingo Zinke & Michael Pankratz, University of Bonn

Affected Gene: GAL4, ppl, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 58768

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_58768, BL58768

Organism Name: w[*]; P{w[+mC]=ppl-GAL4.P}2

Record Creation Time: 20240911T222906+0000

Record Last Update: 20260801T195600+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=ppl-GAL4.P}2.

No alerts have been found for w[*]; P{w[+mC]=ppl-GAL4.P}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 56 mentions in open access literature.

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

Miao H, et al. (2025) The foraging gene coordinates brain and heart networks to modulate socially cued interval timing in *Drosophila*. *PLoS genetics*, 21(7), e1011752.

Li K, et al. (2025) Histone acetylation homeodynamics navigates cell survival and apoptosis. *Nature communications*, 16(1), 11358.

Zhao Y, et al. (2025) JAK-STAT pathway activation compromises nephrocyte function in a *Drosophila* high-fat diet model of chronic kidney disease. *eLife*, 13.

Tian L, et al. (2025) Lipid metabolites affected by deficient autophagy antagonize the occurrence of autophagy through AMPK signaling in insects. *BMC biology*, 23(1), 193.

Takada Y, et al. (2025) Gut microbiota-mediated lipid accumulation as a driver of evolutionary adaptation to blue light toxicity in *Drosophila*. *Communications biology*, 8(1), 998.

Hsu CH, et al. (2025) The cell autonomous and non-autonomous functions of Rab27 in longevity and neuroprotection in *Drosophila*. *Autophagy*, 21(12), 2809.

Meschi E, et al. (2024) Compensatory enhancement of input maintains aversive dopaminergic reinforcement in hungry *Drosophila*. *Neuron*, 112(14), 2315.

Landis GN, et al. (2024) Mifepristone and rapamycin have non-additive benefits for life span in mated female *Drosophila*. *Fly*, 18(1), 2419151.

Song T, et al. (2023) Dietary cysteine drives body fat loss via FMRamide signaling in *Drosophila* and mouse. *Cell research*, 33(6), 434.

Guss EJ, et al. (2023) Loss of the extracellular matrix protein Perlecan disrupts axonal and synaptic stability during *Drosophila* development. *eLife*, 12.

Sánchez JA, et al. (2023) FOXO-mediated repression of Dicer1 regulates metabolism, stress resistance, and longevity in *Drosophila*. *Proceedings of the National Academy of Sciences of the United States of America*, 120(15), e2216539120.

Elguero JE, et al. (2023) Defective phagocytosis leads to neurodegeneration through systemic increased innate immune signaling. *bioRxiv : the preprint server for biology*.

Lei Y, et al. (2023) FGF signaling promotes spreading of fat body precursors necessary for adult adipogenesis in *Drosophila*. *PLoS biology*, 21(3), e3002050.

Gao Y, et al. (2023) Nutritional Programming of the Lifespan of Male *Drosophila* by Activating FOXO on Larval Low-Nutrient Diet. *Nutrients*, 15(8).

Kim HK, et al. (2023) MicroRNA miR-274-5p Suppresses Found-in-Neurons Associated with Melanotic Mass Formation and Developmental Growth in *Drosophila*. *Insects*, 14(8).

Glastad KM, et al. (2023) Long ant life span is maintained by a unique heat shock factor. *Genes & development*, 37(9-10), 398.

Zhao Y, et al. (2023) Fat- and sugar-induced signals regulate sweet and fat taste perception in *Drosophila*. *Cell reports*, 42(11), 113387.

Sun X, et al. (2023) The endoribonuclease Arlr is required to maintain lipid homeostasis by downregulating lipolytic genes during aging. *Nature communications*, 14(1), 6254.

Zhang Q, et al. (2023) Bub1 and Bub3 regulate metabolic adaptation via macrolipophagy in *Drosophila*. *Cell reports*, 42(4), 112343.

Elguero JE, et al. (2023) Defective phagocytosis leads to neurodegeneration through systemic increased innate immune signaling. *iScience*, 26(10), 108052.