

Resource Summary Report

Generated by [kravitz2](#) on Aug 19, 2026

w[1118] P{w[+mC]=UAS-rpr.C}27

RRID:BDSC_5823

Type: Organism

Proper Citation

RRID:BDSC_5823

Organism Information

URL: <https://n2t.net/bdsc:5823>

Proper Citation: RRID:BDSC_5823

Description: Drosophila melanogaster with name w[1118] P{w[+mC]=UAS-rpr.C}27 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Thom Kaufman, Indiana University, Bloomington

Affected Gene: rpr, UAS, w

Genomic Alteration: Chromosome 1

Catalog Number: 5823

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5823, BL5823

Organism Name: w[1118] P{w[+mC]=UAS-rpr.C}27

Record Creation Time: 20240911T222155+0000

Record Last Update: 20260815T191245+0000

Ratings and Alerts

No rating or validation information has been found for w[1118] P{w[+mC]=UAS-rpr.C}27.

No alerts have been found for w[1118] P{w[+mC]=UAS-rpr.C}27.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Nallasivan MP, et al. (2026) Sex peptide targets distinct higher order processing neurons in the brain to induce the female post-mating response. eLife, 13.

Nagy P, et al. (2025) Infectious bacteria, but not the microbiota, induce a NOX-ATM-cytokine pathway that controls epithelial turnover. Cell reports, 44(10), 116293.

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.

Biswas P, et al. (2025) Insulin/insulin-like growth factor signaling pathway promotes higher fat storage in Drosophila females. Cell reports, 44(7), 115915.

Biswas P, et al. (2025) Insulin/insulin-like growth factor signaling pathway promotes higher fat storage in Drosophila females. bioRxiv : the preprint server for biology.

Ahmed-de-Prado S, et al. (2024) Temporal dynamics of apoptosis-induced proliferation in pupal wing development: implications for regenerative ability. BMC biology, 22(1), 98.

Colon Plaza S, et al. (2024) Ionizing radiation induces cells with past caspase activity that contribute to the adult organ in Drosophila and show reduced Loss of Heterozygosity. Cell death discovery, 10(1), 6.

Li Y, et al. (2023) Gut AstA mediates sleep deprivation-induced energy wasting in Drosophila. Cell discovery, 9(1), 49.

Stephenson HN, et al. (2022) Hemocytes are essential for Drosophila melanogaster post-embryonic development, independent of control of the microbiota. Development (Cambridge, England), 149(18).

Valko A, et al. (2022) Adaptation to hypoxia in Drosophila melanogaster requires autophagy. Autophagy, 18(4), 909.

Ariyapala IS, et al. (2022) The RNA-binding protein Swm is critical for Drosophila melanogaster intestinal progenitor cell maintenance. Genetics, 222(2).

Yildirim K, et al. (2022) Redundant functions of the SLC5A transporters Rumpel, Bumpel, and Kumpel in ensheathing glial cells. *Biology open*, 11(1).

Huang J, et al. (2022) ClC-c regulates the proliferation of intestinal stem cells via the EGFR signalling pathway in *Drosophila*. *Cell proliferation*, 55(1), e13173.

Buddika K, et al. (2022) Coordinated repression of pro-differentiation genes via P-bodies and transcription maintains *Drosophila* intestinal stem cell identity. *Current biology : CB*, 32(2), 386.

Bonfini A, et al. (2021) Multiscale analysis reveals that diet-dependent midgut plasticity emerges from alterations in both stem cell niche coupling and enterocyte size. *eLife*, 10.

Luo Y, et al. (2021) Yeast volatiles double starvation survival in *Drosophila*. *Science advances*, 7(20).

Millington JW, et al. (2021) Genetic manipulation of insulin/insulin-like growth factor signaling pathway activity has sex-biased effects on *Drosophila* body size. *G3 (Bethesda, Md.)*, 11(3).

Pogodalla N, et al. (2021) *Drosophila* ??Heavy-Spectrin is required in polarized ensheathing glia that form a diffusion-barrier around the neuropil. *Nature communications*, 12(1), 6357.

Wat LW, et al. (2021) Sex determination gene transformer regulates the male-female difference in *Drosophila* fat storage via the adipokinetic hormone pathway. *eLife*, 10.

Perry RJ, et al. (2020) Regulation of Metabolism by an Ensemble of Different Ion Channel Types: Excitation-Secretion Coupling Mechanisms of Adipokinetic Hormone Producing Cells in *Drosophila*. *Frontiers in physiology*, 11, 580618.