

Resource Summary Report

Generated by [ASWG](#) on Jul 29, 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: 20260725T194828+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 27 mentions in open access literature.

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

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.

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.

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.

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.

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

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

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.

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).

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

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.

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.

Aponte-Santiago NA, et al. (2020) Synaptic Plasticity Induced by Differential Manipulation of Tonic and Phasic Motoneurons in *Drosophila*. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(33), 6270.

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.