

Resource Summary Report

Generated by T1D on Sep 6, 2026

w[1]; P{w[+mC]=UAS-Cat.A}2

RRID:BDSC_24621

Type: Organism

Proper Citation

RRID:BDSC_24621

Organism Information

URL: <https://n2t.net/bdsc:24621>

Proper Citation: RRID:BDSC_24621

Description: Drosophila melanogaster with name w[1]; P{w[+mC]=UAS-Cat.A}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: John Phillips, University of Guelph

Affected Gene: Cat, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 24621

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_24621, BDSC:24621, BL24621

Organism Name: w[1]; P{w[+mC]=UAS-Cat.A}2

Record Creation Time: 20240911T222419+0000

Record Last Update: 20260905T140141+0000

Ratings and Alerts

No rating or validation information has been found for w[1]; P{w[+mC]=UAS-Cat.A}2.

No alerts have been found for $w[1]$; $P\{w[+mC]=UAS-Cat.A\}2$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 57 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Velentzas PD, et al. (2026) The pyruvate transporter hermes regulates autophagy and health by modulating ROS production. *Cell reports*, 45(7), 117574.

Dileep M, et al. (2026) Synergism of IP3R and Parkin mutants identifies mitochondrial stress as an early feature of Parkinson's disease. *Disease models & mechanisms*, 19(1).

Wu K, et al. (2025) Werner syndrome exonuclease promotes gut regeneration and causes age-associated gut hyperplasia in *Drosophila*. *PLoS biology*, 23(4), e3003121.

Lennicke C, et al. (2025) Enhancing autophagy by redox regulation extends lifespan in *Drosophila*. *Nature communications*, 16(1), 5379.

Klemm JW, et al. (2025) Regeneration following tissue necrosis is mediated by non-apoptotic caspase activity. *eLife*, 13.

Batabyal R, et al. (2025) Mitochondrial AAA+ protease activity uncovers differential sensitivity of *Drosophila* blood cell lineages to systemic cues. *Frontiers in cell and developmental biology*, 13, 1606805.

Duneau D, et al. (2025) A within-host infection model to explore tolerance and resistance. *eLife*, 14.

Sorianello E, et al. (2025) The translational inhibitor 4EBP/Thor is required for *Drosophila* adaptation to hypoxia. *Scientific reports*, 15(1), 23370.

Mallik B, et al. (2025) Mitochondrial Complex I and ROS control neuromuscular function through opposing pre- and postsynaptic mechanisms. *PLoS biology*, 23(9), e3003388.

Hirooka E, et al. (2025) Macrophages promote tumor growth by phagocytosis-mediated cytokine amplification in *Drosophila*. *Current biology : CB*, 35(13), 3209.

Tenedini FM, et al. (2025) Inflammatory cytokine upd3 induces axon length-dependent synapse removal by glia. *Proceedings of the National Academy of Sciences of the United States of America*, 122(21), e2422752122.

Alassaf M, et al. (2025) Adipocyte metabolic state regulates glial phagocytic function. *Cell reports*, 44(5), 115704.

Pilesi E, et al. (2024) Vitamin B6 deficiency cooperates with oncogenic Ras to induce malignant tumors in *Drosophila*. *Cell death & disease*, 15(6), 388.

Mallik B, et al. (2024) Mitochondrial Complex I and ROS control synapse function through opposing pre- and postsynaptic mechanisms. *bioRxiv : the preprint server for biology*.

Alassaf M, et al. (2024) Adipocyte metabolic state regulates glial phagocytic function. *bioRxiv : the preprint server for biology*.

Dark C, et al. (2024) Mitochondrial fusion and altered beta-oxidation drive muscle wasting in a *Drosophila* cachexia model. *EMBO reports*, 25(4), 1835.

Au WH, et al. (2024) Activation of the Keap1/Nrf2 pathway suppresses mitochondrial dysfunction, oxidative stress, and motor phenotypes in C9orf72 ALS/FTD models. *Life science alliance*, 7(9).

Kharrat B, et al. (2024) Dual role for Headcase in hemocyte progenitor fate determination in *Drosophila melanogaster*. *PLoS genetics*, 20(10), e1011448.

Esteban-Collado J, et al. (2024) Reactive oxygen species activate the *Drosophila* TNF receptor Wengen for damage-induced regeneration. *The EMBO journal*, 43(17), 3604.

Klemm J, et al. (2024) Regeneration following tissue necrosis is mediated by non-apoptotic caspase activity. *bioRxiv : the preprint server for biology*.