

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 11, 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, BL24621

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

Record Creation Time: 20240911T222419+0000

Record Last Update: 20260808T194611+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 [PRECISE-TBI](#) .

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.

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

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

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

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

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.

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.

Xi G, et al. (2024) Oxidative Stress Contributes to Slit Diaphragm Defects Caused by Disruption of Endocytosis. *Kidney international reports*, 9(2), 451.

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