

# Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

[w\[\\*\]; P{w\[+mC\]=UAS-mCherry.CAAX.S}2](#)

RRID:BDSC\_59021

Type: Organism

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## Proper Citation

RRID:BDSC\_59021

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## Organism Information

**URL:** <https://n2t.net/bdsc:59021>

**Proper Citation:** RRID:BDSC\_59021

**Description:** Drosophila melanogaster with name w[\*]; P{w[+mC]=UAS-mCherry.CAAX.S}2 from BDSC.

**Species:** Drosophila melanogaster

**Notes:** Donor: Beth Stronach, University of Pittsburgh School of Medicine; Donor's Source: Elane Fishilevich, University of Pittsburgh School of Medicine

**Affected Gene:** Disc\lRFP, UAS, w

**Genomic Alteration:** Chromosome 1, Chromosome 2

**Catalog Number:** 59021

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_59021, BDSC:59021, BL59021

**Organism Name:** w[\*]; P{w[+mC]=UAS-mCherry.CAAX.S}2

**Record Creation Time:** 20240911T222909+0000

**Record Last Update:** 20260912T204055+0000

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## Ratings and Alerts

No rating or validation information has been found for w[\*]; P{w[+mC]=UAS-mCherry.CAAX.S}2.

No alerts have been found for w[\*]; P{w[+mC]=UAS-mCherry.CAAX.S}2.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Meng Z, et al. (2025) Neurexin regulates mechanical nociceptive sensitization by central inhibition in Drosophila. *Science advances*, 11(51), eadz9682.

Patel A, et al. (2025) Cytoneme feedback ensures signaling specificity when multiple ligands converge on a common receptor. *bioRxiv : the preprint server for biology*.

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. *iScience*, 27(11), 111083.

Moucaud B, et al. (2024) Amalgam plays a dual role in controlling the number of leg muscle progenitors and regulating their interactions with the developing Drosophila tendon. *PLoS biology*, 22(10), e3002842.

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. *bioRxiv : the preprint server for biology*.

Tran NV, et al. (2024) Programmed disassembly of a microtubule-based membrane protrusion network coordinates 3D epithelial morphogenesis in Drosophila. *The EMBO journal*, 43(4), 568.

Kamalesh K, et al. (2024) Structured RhoGEF recruitment drives myosin II organization on large exocytic vesicles. *Journal of cell science*, 137(13).

Tran NV, et al. (2024)  $\gamma$ -Spectrin regulates cell shape changes during disassembly of microtubule-driven protrusions in Drosophila wings. *microPublication biology*, 2024.

Mancini N, et al. (2023) Rewarding Capacity of Optogenetically Activating a Giant GABAergic Central-Brain Interneuron in Larval Drosophila. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(44), 7393.

Miao G, et al. (2022) Border cell polarity and collective migration require the spliceosome component Cactin. *The Journal of cell biology*, 221(7).

Laurichesse Q, et al. (2021) Transcriptomic and Genetic Analyses Identify the Krüppel-Like Factor Dar1 as a New Regulator of Tube-Shaped Long Tendon Development. *Frontiers in cell and developmental biology*, 9, 747563.

Wu CY, et al. (2021) Dihydroceramide desaturase promotes the formation of intraluminal vesicles and inhibits autophagy to increase exosome production. *iScience*, 24(12), 103437.

Gonzalez AE, et al. (2020) *Drosophila* VCP/p97 Mediates Dynein-Dependent Retrograde Mitochondrial Motility in Axons. *Frontiers in cell and developmental biology*, 8, 256.

Casani S, et al. (2020) Unravelling the distinct contribution of cell shape changes and cell intercalation to tissue morphogenesis: the case of the *Drosophila* trachea. *Open biology*, 10(11), 200329.

Tsarouhas V, et al. (2019) WASH phosphorylation balances endosomal versus cortical actin network integrities during epithelial morphogenesis. *Nature communications*, 10(1), 2193.

Saumweber T, et al. (2018) Functional architecture of reward learning in mushroom body extrinsic neurons of larval *Drosophila*. *Nature communications*, 9(1), 1104.

He L, et al. (2018) Mechanical regulation of stem-cell differentiation by the stretch-activated Piezo channel. *Nature*, 555(7694), 103.

Groschner LN, et al. (2018) Dendritic Integration of Sensory Evidence in Perceptual Decision-Making. *Cell*, 173(4), 894.

Xu C, et al. (2017) Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca<sup>2+</sup> signaling in the *Drosophila* midgut. *eLife*, 6.