# Resource Summary Report

Generated by NIF on Sep 8, 2026

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

RRID:BDSC_59021
Type: Organism

### Proper Citation

RRID:BDSC_59021

### 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\RFP, 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:** 20260905T140834+0000

### 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.

## Data and Source Information

**Source:** Integrated Animals

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

## 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) ?-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 Ca2+ signaling in the Drosophila midgut. eLife, 6.