

Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

w[*]; P{w[+mC]=UAS-dia.CA}3

RRID:BDSC_27616

Type: Organism

Proper Citation

RRID:BDSC_27616

Organism Information

URL: <https://n2t.net/bdsc:27616>

Proper Citation: RRID:BDSC_27616

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-dia.CA}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Mark Peifer, University of North Carolina, Chapel Hill

Affected Gene: dia, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 27616

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27616, BL27616

Organism Name: w[*]; P{w[+mC]=UAS-dia.CA}3

Record Creation Time: 20240911T222447+0000

Record Last Update: 20260826T175426+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-dia.CA}3.

No alerts have been found for $w[*]$; $P\{w[+mC]=UAS-dia.CA\}3$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Pissarek H, et al. (2025) Formin 3 stabilizes the cytoskeleton of Drosophila tendon cells, thus enabling them to resist muscle tensile forces. *Journal of cell science*, 138(7).

Rosa-Birriel C, et al. (2024) Medioapical contractile pulses coordinated between cells regulate Drosophila eye morphogenesis. *The Journal of cell biology*, 223(2).

Popkova A, et al. (2020) A Cdc42-mediated supracellular network drives polarized forces and Drosophila egg chamber extension. *Nature communications*, 11(1), 1921.

Deng H, et al. (2020) Spectrin couples cell shape, cortical tension, and Hippo signaling in retinal epithelial morphogenesis. *The Journal of cell biology*, 219(4).

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.

Gao Y, et al. (2019) Genetic dissection of active forgetting in labile and consolidated memories in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, 116(42), 21191.

C??rdoba S, et al. (2018) The transcription factor Dysfusion promotes fold and joint morphogenesis through regulation of Rho1. *PLoS genetics*, 14(8), e1007584.

Chung S, et al. (2017) Uncoupling apical constriction from tissue invagination. *eLife*, 6.

Vogler G, et al. (2014) Cdc42 and formin activity control non-muscle myosin dynamics during Drosophila heart morphogenesis. *The Journal of cell biology*, 206(7), 909.

Muyskens JB, et al. (2011) *Helicobacter pylori* CagA disrupts epithelial patterning by activating myosin light chain. *PloS one*, 6(3), e17856.