Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 6, 2025

y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-Cas9}ZH-2A w[1118]/FM7c

RRID:BDSC_51323 Type: Organism

Proper Citation

RRID:BDSC_51323

Organism Information

URL: https://n2t.net/bdsc:51323

Proper Citation: RRID:BDSC_51323

Description: Drosophila melanogaster with name y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-Cas9}ZH-2A w[1118]/FM7c from BDSC.

Species: Drosophila melanogaster

Notes: Nonbalancer flies present. May be segregating M{vas-int.B}ZH-102D. Donor: Jill Wildonger & Melissa Harrison, University of Wisconsin, Madison; Donor's Source: Kate O'Connor-Giles, University of Wisconsin, Madison

Affected Gene: Cas9, vas, w, y

Genomic Alteration: Chromosome 1

Catalog Number: 51323

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC:51323, BL51323

Organism Name: y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-Cas9}ZH-2A w[1118]/FM7c

Record Creation Time: 20240911T222754+0000

Record Last Update: 20250420T055641+0000

Ratings and Alerts

No rating or validation information has been found for y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-Cas9}ZH-2A w[1118]/FM7c.

No alerts have been found for y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-Cas9}ZH-2A w[1118]/FM7c.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 50 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Nakato E, et al. (2024) Differential heparan sulfate dependency of the Drosophila glypicans. The Journal of biological chemistry, 300(1), 105544.

Ma S, et al. (2024) A small-molecule approach to restore female sterility phenotype targeted by a homing suppression gene drive in the fruit pest Drosophila suzukii. PLoS genetics, 20(4), e1011226.

Takenaka R, et al. (2024) The Drosophila maternal-effect gene abnormal oocyte (ao) does not repress histone gene expression. bioRxiv : the preprint server for biology.

Zhang F, et al. (2024) A transcription network underlies the dual genomic coordination of mitochondrial biogenesis. eLife, 13.

Nakato E, et al. (2024) In vivo activities of heparan sulfate differentially modified by NDSTs during development. Proteoglycan research, 2(1).

Takada S, et al. (2024) Drosophila Trus, the orthologue of mammalian PDCD2L, is required for proper cell proliferation, larval developmental timing, and oogenesis. bioRxiv : the preprint server for biology.

Czajewski I, et al. (2024) Rescuable sleep and synaptogenesis phenotypes in a Drosophila model of O-GlcNAc transferase intellectual disability. eLife, 13.

Guo L, et al. (2023) Convergent resistance to GABA receptor neurotoxins through plantinsect coevolution. Nature ecology & evolution, 7(9), 1444.

Wohl MP, et al. (2023) Drosophila Tachykininergic Neurons Modulate the Activity of Two Groups of Receptor-Expressing Neurons to Regulate Aggressive Tone. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(19), 3394.

Borkowsky S, et al. (2023) Phosphorylation of LKB1 by PDK1 Inhibits Cell Proliferation and Organ Growth by Decreased Activation of AMPK. Cells, 12(5).

Laursen WJ, et al. (2023) DMKPs provide a generalizable strategy for studying genes required for reproduction or viability in nontraditional model organisms. Genetics, 224(2).

Son W, et al. (2023) Targeted recombination of homologous chromosomes using CRISPR-Cas9. FEBS open bio, 13(9), 1658.

Lovato TL, et al. (2023) Modeling a variant of unknown significance in the Drosophila ortholog of the human cardiogenic gene NKX2.5. Disease models & mechanisms, 16(9).

Asuncion JD, et al. (2023) Precise CRISPR-Cas9-mediated mutation of a membrane trafficking domain in the Drosophila vesicular monoamine transporter gene. Current research in physiology, 6, 100101.

O'Neill RS, et al. (2022) Traip controls mushroom body size by suppressing mitotic defects. Development (Cambridge, England), 149(7).

Xiang W, et al. (2022) The dynamics of protein localisation to restricted zones within Drosophila mechanosensory cilia. Scientific reports, 12(1), 13338.

Gao N, et al. (2022) Wun2-mediated integrin recycling promotes apoptotic cell clearance in Drosophila melanogaster. Cell death and differentiation, 29(12), 2545.

Lennon J, et al. (2022) Strongly Truncated Dnaaf4 Plays a Conserved Role in Drosophila Ciliary Dynein Assembly as Part of an R2TP-Like Co-Chaperone Complex With Dnaaf6. Frontiers in genetics, 13, 943197.

Fenckova M, et al. (2022) Intellectual disability-associated disruption of O-GlcNAc cycling impairs habituation learning in Drosophila. PLoS genetics, 18(5), e1010159.

Task D, et al. (2022) Chemoreceptor co-expression in Drosophila melanogaster olfactory neurons. eLife, 11.