

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

[y\[1\] M{GFP\[E.3xP3\]=vas-Cas9.RFP-}ZH-2A w\[1118\]](#)

RRID:BDSC_55821

Type: Organism

Proper Citation

RRID:BDSC_55821

Organism Information

URL: <https://n2t.net/bdsc:55821>

Proper Citation: RRID:BDSC_55821

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

Species: Drosophila melanogaster

Notes: Donor: Kate O'Connor-Giles & Melissa Harrison, University of Wisconsin, Madison;
Donor's Source: Jill Wildonger, University of Wisconsin, Madison

Affected Gene: Spyro\Cas9, vas, w, y

Genomic Alteration: Chromosome 1

Catalog Number: 55821

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_55821, BL55821

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

Record Creation Time: 20240911T222838+0000

Record Last Update: 20260725T195634+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 47 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

M??ller F, et al. (2026) Single nucleotide variants in UNC13C associated with neurodevelopmental disorders affect ethanol sensitivity in Drosophila. Biochemistry and biophysics reports, 45, 102375.

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).

Bervoets S, et al. (2025) dArc1 controls sugar reward valuation in Drosophila melanogaster. Current biology : CB, 35(17), 4188.

Chang YC, et al. (2025) Peripheral glia and neurons jointly regulate activity-induced synaptic remodeling at the Drosophila neuromuscular junction. eLife, 14.

Couturier L, et al. (2025) Pulsatile dynamics propagate crystalline order in the developing Drosophila eye. Developmental cell.

Vonolfen MC, et al. (2024) Drosophila HNF4 acts in distinct tissues to direct a switch between lipid storage and export in the gut. Cell reports, 43(9), 114693.

Liu M, et al. (2024) Dietary cysteine and methionine promote peroxisome elevation and fat loss by induction of CG33474 expression in Drosophila adipose tissue. Cellular and molecular life sciences : CMLS, 81(1), 190.

Stephan T, et al. (2024) Drosophila MIC10b can polymerize into cristae-shaping filaments. Life science alliance, 7(4).

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.

Ibragimov A, et al. (2023) lncRNA read-through regulates the BX-C insulator Fub-1. eLife, 12.

Zappia MP, et al. (2023) E2F regulation of the Phosphoglycerate kinase gene is functionally important in *Drosophila* development. *Proceedings of the National Academy of Sciences of the United States of America*, 120(15), e2220770120.

Loehlin DW, et al. (2023) Demonstration of in vivo engineered tandem duplications of varying sizes using CRISPR and recombinases in *Drosophila melanogaster*. *bioRxiv : the preprint server for biology*.

Chang CH, et al. (2023) Expansion and loss of sperm nuclear basic protein genes in *Drosophila* correspond with genetic conflicts between sex chromosomes. *eLife*, 12.

di Pietro F, et al. (2023) Systematic analysis of RhoGEF/GAP localizations uncovers regulators of mechanosensing and junction formation during epithelial cell division. *Current biology : CB*, 33(5), 858.

Frasch M, et al. (2023) The RNF220 domain nuclear factor Teyrha-Meyrha (Tey) regulates the migration and differentiation of specific visceral and somatic muscles in *Drosophila*. *Development (Cambridge, England)*, 150(18).

Mrestani A, et al. (2023) Nanoscaled RIM clustering at presynaptic active zones revealed by endogenous tagging. *Life science alliance*, 6(12).

Monteiro VL, et al. (2023) Mitochondrial remodelling is essential for female germ cell differentiation and survival. *PLoS genetics*, 19(1), e1010610.

Nakano S, et al. (2023) Damage sensing mediated by serine proteases Haya and Persephone for Toll pathway activation in apoptosis-deficient flies. *PLoS genetics*, 19(6), e1010761.

Tsao DD, et al. (2023) A genetic strategy to measure insulin signaling regulation and physiology in *Drosophila*. *PLoS genetics*, 19(2), e1010619.

Loehlin DW, et al. (2023) Demonstration of in vivo engineered tandem duplications of varying sizes using CRISPR and recombinases in *Drosophila melanogaster*. *G3 (Bethesda, Md.)*, 13(10).