

Resource Summary Report

Generated by [dkNET](#) on Aug 31, 2026

[y\[1\] sc\[*\] v\[1\] sev\[21\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.HMS00422}attP2](#)

RRID:BDSC_32427

Type: Organism

Proper Citation

RRID:BDSC_32427

Organism Information

URL: <https://n2t.net/bdsc:32427>

Proper Citation: RRID:BDSC_32427

Description: Drosophila melanogaster with name y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS00422}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Transgenic RNAi Project

Affected Gene: foxo, UAS, sc, sev, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 32427

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_32427, BL32427

Organism Name: y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS00422}attP2

Record Creation Time: 20240911T222533+0000

Record Last Update: 20260829T190019+0000

Ratings and Alerts

No rating or validation information has been found for y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS00422}attP2.

No alerts have been found for y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS00422}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Suzawa M, et al. (2025) The insulin-like peptides Dilp2 and Dilp6 exhibit divergent responses to dietary sugar and protein in Drosophila larvae. *Proceedings of the National Academy of Sciences of the United States of America*, 122(42), e2426930122.

Dark C, et al. (2024) Mitochondrial fusion and altered beta-oxidation drive muscle wasting in a Drosophila cachexia model. *EMBO reports*, 25(4), 1835.

Gao Y, et al. (2023) Nutritional Programming of the Lifespan of Male Drosophila by Activating FOXO on Larval Low-Nutrient Diet. *Nutrients*, 15(8).

Li Y, et al. (2023) Bioorthogonal Stimulated Raman Scattering Imaging Uncovers Lipid Metabolic Dynamics in Drosophila Brain During Aging. *GEN biotechnology*, 2(3), 247.

Kanaoka Y, et al. (2023) Inter-organ Wingless/Ror/Akt signaling regulates nutrient-dependent hyperarborization of somatosensory neurons. *eLife*, 12.

Greenspan LJ, et al. (2022) Activation of the EGFR/MAPK pathway drives transdifferentiation of quiescent niche cells to stem cells in the Drosophila testis niche. *eLife*, 11.

Giraud G, et al. (2021) Developmental Robustness: The Haltere Case in Drosophila. *Frontiers in cell and developmental biology*, 9, 713282.

Luo Y, et al. (2021) Yeast volatiles double starvation survival in Drosophila. *Science advances*, 7(20).

Kumar T, et al. (2020) Topology-driven protein-protein interaction network analysis detects genetic sub-networks regulating reproductive capacity. *eLife*, 9.

Han MH, et al. (2020) NF- κ B disinhibition contributes to dendrite defects in fly models of neurodegenerative diseases. *The Journal of cell biology*, 219(12).

Fan X, et al. (2020) Dihydromyricetin promotes longevity and activates the transcription factors FOXO and AOP in *Drosophila*. *Aging*, 13(1), 460.

Poe AR, et al. (2020) Low FoxO expression in *Drosophila* somatosensory neurons protects dendrite growth under nutrient restriction. *eLife*, 9.

Birnbaum A, et al. (2020) FOXO Regulates Neuromuscular Junction Homeostasis During *Drosophila* Aging. *Frontiers in aging neuroscience*, 12, 567861.

McLaughlin CN, et al. (2019) Dying Neurons Utilize Innate Immune Signaling to Prime Glia for Phagocytosis during Development. *Developmental cell*, 48(4), 506.

Kwon MJ, et al. (2018) Coiled-coil structure-dependent interactions between polyQ proteins and Foxo lead to dendrite pathology and behavioral defects. *Proceedings of the National Academy of Sciences of the United States of America*, 115(45), E10748.

Tas D, et al. (2018) Parallel roles of transcription factors dFOXO and FER2 in the development and maintenance of dopaminergic neurons. *PLoS genetics*, 14(3), e1007271.

Artoni F, et al. (2017) Loss of foxo rescues stem cell aging in *Drosophila* germ line. *eLife*, 6.