

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

[y\[1\] sc\[*\] v\[1\] sev\[21\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.HMS01244}attP2](#)

RRID:BDSC_34899

Type: Organism

Proper Citation

RRID:BDSC_34899

Organism Information

URL: <https://n2t.net/bdsc:34899>

Proper Citation: RRID:BDSC_34899

Description: Drosophila melanogaster with name y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS01244}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Transgenic RNAi Project

Affected Gene: Atg5, UAS, sc, sev, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 34899

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_34899, BL34899

Organism Name: y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS01244}attP2

Record Creation Time: 20240911T222558+0000

Record Last Update: 20260808T194812+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.HMS01244}attP2.

No alerts have been found for y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS01244}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Park D, et al. (2026) Evidence that injury can cause Drosophila gut differentiated, polyploid enterocytes to be recruited as stem cells via paligenosis. bioRxiv : the preprint server for biology.

Hsu CH, et al. (2025) The cell autonomous and non-autonomous functions of Rab27 in longevity and neuroprotection in Drosophila. Autophagy, 21(12), 2809.

Theisen EK, et al. (2025) Glia phagocytose neuronal sphingolipids to infiltrate developing synapses. bioRxiv : the preprint server for biology.

Yue T, et al. (2025) High-fat diet impairs intermediate-term memory by autophagic-lysosomal dysfunction in Drosophila. PLoS genetics, 21(8), e1011818.

Perlegos AE, et al. (2024) TDP-43 impairs sleep in Drosophila through Ataxin-2-dependent metabolic disturbance. Science advances, 10(2), eadj4457.

Szypulski K, et al. (2024) Autophagy as a new player in the regulation of clock neurons physiology of Drosophila melanogaster. Scientific reports, 14(1), 6085.

Szabó Á, et al. (2023) LC3-associated phagocytosis promotes glial degradation of axon debris after injury in Drosophila models. Nature communications, 14(1), 3077.

Bierlein M, et al. (2023) Autophagy impairment and lifespan reduction caused by Atg1 RNAi or Atg18 RNAi expression in adult fruit flies (Drosophila melanogaster). Genetics, 225(2).

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune Drosophila male courtship via GABA-mediated inhibition. Current biology : CB, 33(18), 3896.

Shekhar S, et al. (2023) Allnighter pseudokinase-mediated feedback links proteostasis and sleep in Drosophila. Nature communications, 14(1), 2932.

Damulewicz M, et al. (2022) Glia-Neurons Cross-Talk Regulated Through Autophagy. *Frontiers in physiology*, 13, 886273.

Spitz D, et al. (2022) mTOR-Dependent Autophagy Regulates Slit Diaphragm Density in Podocyte-like *Drosophila* Nephrocytes. *Cells*, 11(13).

Caravello G, et al. (2022) Phagocytosis Is the Sole Arm of *Drosophila melanogaster* Known Host Defenses That Provides Some Protection Against Microsporidia Infection. *Frontiers in immunology*, 13, 858360.

Insolera R, et al. (2021) Mitochondrial fission, integrity and completion of mitophagy require separable functions of Vps13D in *Drosophila* neurons. *PLoS genetics*, 17(8), e1009731.

Correa I, et al. (2021) Protocol for evaluating autophagy using LysoTracker staining in the epithelial follicle stem cells of the *Drosophila* ovary. *STAR protocols*, 2(2), 100592.

Tarayrah-Ibraheim L, et al. (2021) DNase II mediates a parthanatos-like developmental cell death pathway in *Drosophila* primordial germ cells. *Nature communications*, 12(1), 2285.

Cunningham KM, et al. (2020) TFEB/Mitf links impaired nuclear import to autophagolysosomal dysfunction in C9-ALS. *eLife*, 9.

Nilangekar K, et al. (2019) Generation and Characterization of Germline-Specific Autophagy and Mitochondrial Reactive Oxygen Species Reporters in *Drosophila*. *Frontiers in cell and developmental biology*, 7, 47.

Bhukel A, et al. (2019) Autophagy within the mushroom body protects from synapse aging in a non-cell autonomous manner. *Nature communications*, 10(1), 1318.

Pan X, et al. (2019) A Tissue- and Temporal-Specific Autophagic Switch Controls *Drosophila* Pre-metamorphic Nutritional Checkpoints. *Current biology : CB*, 29(17), 2840.