

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

[y\[1\] sc\[*\] v\[1\] sev\[21\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.HMS00646}attP2](#)

RRID:BDSC_32859

Type: Organism

Proper Citation

RRID:BDSC_32859

Organism Information

URL: <https://n2t.net/bdsc:32859>

Proper Citation: RRID:BDSC_32859

Description: Drosophila melanogaster with name y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS00646}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Transgenic RNAi Project

Affected Gene: UAS, upd3, sc, sev, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 32859

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_32859, BL32859

Organism Name: y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS00646}attP2

Record Creation Time: 20240911T222537+0000

Record Last Update: 20260808T194747+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.HMS00646}attP2.

No alerts have been found for y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMS00646}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Falconi J, et al. (2026) Tumor-derived Ilp8 and Upd3 contribute to intestinal progenitor cells depletion during cachexia in Drosophila larvae. Cell reports, 45(8), 117722.

Rai M, et al. (2025) Glycolytic disruption restricts Drosophila melanogaster larval growth via the cytokine Upd3. PLoS genetics, 21(5), e1011690.

Malita A, et al. (2025) Glia-mediated gut-brain cytokine signaling couples sleep to intestinal inflammatory responses induced by oxidative stress. eLife, 13.

Li J, et al. (2025) Epithelial cell-fate switch triggering ectopic ligand-receptor-mediated JAK-STAT signaling promotes tumorigenesis in Drosophila. iScience, 28(4), 112191.

Touré H, et al. (2024) Remote disruption of intestinal homeostasis by Mycobacterium abscessus is detrimental to Drosophila survival. Scientific reports, 14(1), 30775.

Chasse AY, et al. (2024) Professional phagocytes are recruited for the clearance of obsolete nonprofessional phagocytes in the Drosophila ovary. Frontiers in immunology, 15, 1389674.

Gera J, et al. (2024) High sugar diet-induced fatty acid oxidation potentiates cytokine-dependent cardiac ECM remodeling. The Journal of cell biology, 223(9).

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

Gera J, et al. (2022) Physiological ROS controls Upd3-dependent modeling of ECM to support cardiac function in Drosophila. Science advances, 8(7), eabj4991.

Yang S, et al. (2022) Infection and chronic disease activate a brain-muscle signaling axis that regulates muscle performance. bioRxiv : the preprint server for biology.

Nassari S, et al. (2022) Rab21 in enterocytes participates in intestinal epithelium maintenance. *Molecular biology of the cell*, 33(4), ar32.

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.

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

Harris RE, et al. (2020) Damage-responsive, maturity-silenced enhancers regulate multiple genes that direct regeneration in *Drosophila*. *eLife*, 9.

von Frieling J, et al. (2020) A high-fat diet induces a microbiota-dependent increase in stem cell activity in the *Drosophila* intestine. *PLoS genetics*, 16(5), e1008789.

Ma H, et al. (2019) Heparan sulfate negatively regulates intestinal stem cell proliferation in *Drosophila* adult midgut. *Biology open*, 8(10).

Powers N, et al. (2019) JAK/STAT signaling is involved in air sac primordium development of *Drosophila melanogaster*. *FEBS letters*, 593(7), 658.

Bazzi W, et al. (2018) Embryonic hematopoiesis modulates the inflammatory response and larval hematopoiesis in *Drosophila*. *eLife*, 7.