

# Resource Summary Report

Generated by [kravitz2](#) on Aug 24, 2026

[y\[1\] sc\[\\*\] v\[1\] sev\[21\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.HMC03576}attP40](#)

RRID:BDSC\_53347

Type: Organism

## Proper Citation

RRID:BDSC\_53347

## Organism Information

**URL:** <https://n2t.net/bdsc:53347>

**Proper Citation:** RRID:BDSC\_53347

**Description:** Drosophila melanogaster with name y[1] sc[\*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMC03576}attP40 from BDSC.

**Species:** Drosophila melanogaster

**Notes:** May be segregating CyO. Donor: Transgenic RNAi Project

**Affected Gene:** Sh, UAS, sc, sev, v, y

**Genomic Alteration:** Chromosome 1, Chromosome 2

**Catalog Number:** 53347

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_53347, BL53347

**Organism Name:** y[1] sc[\*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMC03576}attP40

**Record Creation Time:** 20240911T222814+0000

**Record Last Update:** 20260815T192037+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.HMC03576}attP40.

No alerts have been found for y[1] sc[\*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMC03576}attP40.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Madamanchi K, et al. (2026) Shaker potassium channel mediates an age-sensitive neurocardiac axis regulating sleep and cardiac function in Drosophila. *Biogerontology*, 27(1), 41.

Chang YC, et al. (2024) Identification of secretory autophagy as a mechanism modulating activity-induced synaptic remodeling. *Proceedings of the National Academy of Sciences of the United States of America*, 121(16), e2315958121.

Guo Y, et al. (2024) Diurnal expression of Dgat2 induced by time-restricted feeding maintains cardiac health in the Drosophila model of circadian disruption. *Aging cell*, 23(7), e14169.

Mallik B, et al. (2022) Roles for Mitochondrial Complex I Subunits in Regulating Synaptic Transmission and Growth. *Frontiers in neuroscience*, 16, 846425.

Kim JH, et al. (2020) The voltage-gated potassium channel Shaker promotes sleep via thermosensitive GABA transmission. *Communications biology*, 3(1), 174.

Watanabe LP, et al. (2020) Genetic Networks Underlying Natural Variation in Basal and Induced Activity Levels in Drosophila melanogaster. *G3 (Bethesda, Md.)*, 10(4), 1247.

Rotelli MD, et al. (2019) An RNAi Screen for Genes Required for Growth of Drosophila Wing Tissue. *G3 (Bethesda, Md.)*, 9(10), 3087.

Kadas D, et al. (2019) Postnatal Increases in Axonal Conduction Velocity of an Identified Drosophila Interneuron Require Fast Sodium, L-Type Calcium and Shaker Potassium Channels. *eNeuro*, 6(4).

Hill AS, et al. (2019) The Drosophila ERG channel seizure plays a role in the neuronal homeostatic stress response. *PLoS genetics*, 15(8), e1008288.