

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

[y\[1\] sc\[*\] v\[1\] sev\[21\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.HMC02893}attP2](#)

RRID:BDSC_51423

Type: Organism

Proper Citation

RRID:BDSC_51423

Organism Information

URL: <https://n2t.net/bdsc:51423>

Proper Citation: RRID:BDSC_51423

Description: Drosophila melanogaster with name y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMC02893}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Transgenic RNAi Project

Affected Gene: Dop1R2, UAS, sc, sev, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 51423

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_51423, BL51423

Organism Name: y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMC02893}attP2

Record Creation Time: 20240911T222755+0000

Record Last Update: 20260815T192013+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.HMC02893}attP2.

No alerts have been found for y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=TRiP.HMC02893}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Sato T, et al. (2026) Role of dopamine signaling in male courtship suppression induced by confinement stress in Drosophila. iScience, 29(6), 115906.

Lee WP, et al. (2025) Dynamics of two distinct memory interactions during water seeking in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 122(16), e2422028122.

Wu H, et al. (2025) Octopamine signaling regulates the intracellular pattern of the presynaptic active zone scaffold within Drosophila mushroom body neurons. PLoS biology, 23(10), e3003449.

Zhou F, et al. (2023) Optimized design and in vivo application of optogenetically functionalized Drosophila dopamine receptors. Nature communications, 14(1), 8434.

Noyes NC, et al. (2023) Innate and learned odor-guided behaviors utilize distinct molecular signaling pathways in a shared dopaminergic circuit. Cell reports, 42(2), 112026.

Braco JT, et al. (2022) Modulation of Metabolic Hormone Signaling via a Circadian Hormone and Biogenic Amine in Drosophila melanogaster. International journal of molecular sciences, 23(8).

Driscoll M, et al. (2021) Compartment specific regulation of sleep by mushroom body requires GABA and dopaminergic signaling. Scientific reports, 11(1), 20067.

Akiba M, et al. (2020) Dopamine modulates the optomotor response to unreliable visual stimuli in Drosophila melanogaster. The European journal of neuroscience, 51(3), 822.

Sun H, et al. (2020) Dopamine Receptor Dop1R2 Stabilizes Appetitive Olfactory Memory through the Raf/MAPK Pathway in Drosophila. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(14), 2935.

Kacsoh BZ, et al. (2019) New Drosophila Long-Term Memory Genes Revealed by Assessing Computational Function Prediction Methods. *G3* (Bethesda, Md.), 9(1), 251.

Tsao CH, et al. (2018) Drosophila mushroom bodies integrate hunger and satiety signals to control innate food-seeking behavior. *eLife*, 7.

Hattori D, et al. (2017) Representations of Novelty and Familiarity in a Mushroom Body Compartment. *Cell*, 169(5), 956.