

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

[y\[1\] v\[1\]; P{y\[+t7.7\] v\[+t1.8\]=TRiP.JF02461}attP2](#)

RRID:BDSC_36780

Type: Organism

Proper Citation

RRID:BDSC_36780

Organism Information

URL: <https://n2t.net/bdsc:36780>

Proper Citation: RRID:BDSC_36780

Description: Drosophila melanogaster with name y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02461}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating TM3, Sb[1] and/or sc[*] and sev[21]. Donor: Transgenic RNAi Project

Affected Gene: TrpA1, UAS, v, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 36780

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_36780, BDSC:36780, BL36780

Organism Name: y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02461}attP2

Record Creation Time: 20240911T222616+0000

Record Last Update: 20260919T203049+0000

Ratings and Alerts

No rating or validation information has been found for y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02461}attP2.

No alerts have been found for y[1] v[1]; P{y[+t7.7] v[+t1.8]=TRiP.JF02461}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Prokhorenko MA, et al. (2023) Astrocyte store-operated calcium entry is required for centrally mediated neuropathic pain. bioRxiv : the preprint server for biology.

Gong J, et al. (2023) TrpA1 is a shear stress mechanosensing channel regulating intestinal stem cell proliferation in Drosophila. Science advances, 9(21), eadc9660.

Sato S, et al. (2023) Avoidance of thiazoline compound depends on multiple sensory pathways mediated by TrpA1 and ORs in Drosophila. Frontiers in molecular neuroscience, 16, 1249715.

Gu P, et al. (2022) Nociception and hypersensitivity involve distinct neurons and molecular transducers in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 119(12), e2113645119.

Marguerite NT, et al. (2021) Effect of Temperature on Heart Rate for Phaenicia sericata and Drosophila melanogaster with Altered Expression of the TrpA1 Receptors. Insects, 12(1).

Jin X, et al. (2021) A subset of DN1p neurons integrates thermosensory inputs to promote wakefulness via CNMa signaling. Current biology : CB, 31(10), 2075.

Gu P, et al. (2019) Polymodal Nociception in Drosophila Requires Alternative Splicing of TrpA1. Current biology : CB, 29(23), 3961.

Roessingh S, et al. (2017) The Drosophila TRPA1 Channel and Neuronal Circuits Controlling Rhythmic Behaviours and Sleep in Response to Environmental Temperature. International journal of molecular sciences, 18(10).

Xu C, et al. (2017) Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca²⁺ signaling in the Drosophila midgut. eLife, 6.