Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=nanos-Cas9.R}attP40

RRID:BDSC_78781
Type: Organism

Proper Citation

RRID:BDSC_78781

Organism Information

URL: https://n2t.net/bdsc:78781

Proper Citation: RRID:BDSC_78781

Description: Drosophila melanogaster with name y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=nanos-Cas9.R}attP40 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating CyO. Donor: Norbert Perrimon, Harvard Medical School

Affected Gene: Cas9, nanos, sc, sev, v, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 78781

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_78781, BL78781

Organism Name: y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=nanos-Cas9.R}attP40

Record Creation Time: 20240911T223215+0000

Record Last Update: 20260808T195551+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]=nanos-Cas9.R}attP40.

No alerts have been found for y[1] sc[*] v[1] sev[21]; P{y[+t7.7] v[+t1.8]=nanos-Cas9.R}attP40.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 39 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Hailstock T, et al. (2026) Orb2 RNA-binding activity promotes neural stem cell development and brain growth in Drosophila larvae. Cell reports, 45(7), 117680.

Xu M, et al. (2026) Activation of the integrated stress response contributes to developmental delay and seizures caused by mitochondrial prolyl-tRNA synthetase (PARS2) deficiency. Redox biology, 89, 103966.

Chen W, et al. (2026) Domain-specific mutations in Na+/K+-ATPase ?? subunit differentially regulate sleep and circadian rhythms in Drosophila. Experimental neurology, 396, 115557.

Theisen EK, et al. (2026) Lysosomal salvage of neuronal lipids enables glial infiltration of synaptic regions. Neuron, 114(12), 2199.

Deneubourg C, et al. (2025) Epg5 links proteotoxic stress due to defective autophagic clearance and epileptogenesis in Drosophila and Vici syndrome patients. Autophagy, 21(2), 447.

Bell C, et al. (2025) Specific presynaptic functions require distinct Drosophila Cav2 splice isoforms. eLife, 13.

Sachweh J, et al. (2025) The small GTPase Ran defines nuclear pore complex asymmetry. Cell.

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

Ho EK, et al. (2025) A live-cell biosensor of in vivo receptor tyrosine kinase activity reveals feedback regulation of a developmental gradient. Cell reports, 44(7), 115930.

Shodja DN, et al. (2025) A Notch signal required for a morphological novelty in Drosophila has antecedent functions in genital disc eversion. Science advances, 11(29), eadt7825.

Hailstock T, et al. (2025) The CPEB ortholog Orb2 regulates brain size through the TRIM-NHL RNA-binding protein, Brain tumor. bioRxiv : the preprint server for biology.

Bian W, et al. (2025) Genetic evaluation of CRISPR-Cas9 off-target effects from deleterious mutations on Drosophila male single X chromosome. Functional & integrative genomics, 25(1), 270.

Weasner BM, et al. (2025) A new Drosophila melanogaster research resource: CRISPR-induced mutations for clonal analysis of fourth chromosome genes. G3 (Bethesda, Md.), 15(3).

Benner L, et al. (2025) Female germline expression of OVO transcription factor bridges Drosophila generations. G3 (Bethesda, Md.), 15(2).

Tang G, et al. (2025) Fungal evasion of Drosophila immunity involves blocking the cathepsin-mediated cleavage maturation of the danger-sensing protease. Proceedings of the National Academy of Sciences of the United States of America, 122(3), e2419343122.

Ho EK, et al. (2025) In vivo measurements of receptor tyrosine kinase activity reveal feedback regulation of a developmental gradient. bioRxiv : the preprint server for biology.

Shodja DN, et al. (2025) A Notch signal required for a morphological novelty in Drosophila has antecedent functions in genital disc eversion. bioRxiv : the preprint server for biology.

Zhang Y, et al. (2025) Restoring calcium crosstalk between ER and mitochondria promotes intestinal stem cell rejuvenation through autophagy in aged Drosophila. Nature communications, 16(1), 4909.

Ma S, et al. (2024) A small-molecule approach to restore female sterility phenotype targeted by a homing suppression gene drive in the fruit pest Drosophila suzukii. PLoS genetics, 20(4), e1011226.

Aguilar G, et al. (2024) Protocol for generating in-frame seamless knockins in Drosophila using the SEED/Harvest technology. STAR protocols, 5(3), 102932.