

Resource Summary Report

Generated by [kravitz2](#) on Aug 1, 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: 20260725T200056+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 33 mentions in open access literature.

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

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

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

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

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.

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.

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).

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.

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*.

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.

Li H, et al. (2024) Conserved intronic secondary structures with concealed branch sites regulate alternative splicing of poison exons. *Nucleic acids research*, 52(10), 6002.

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

Ell CM, et al. (2024) A genome-engineered tool set for *Drosophila* TGF- β /BMP signaling studies. *Development (Cambridge, England)*, 151(22).

Osaka J, et al. (2024) Complex formation of immunoglobulin superfamily molecules Side-IV and Beat-IIb regulates synaptic specificity. *Cell reports*, 43(2), 113798.

Boutet A, et al. (2023) ArfGAP1 regulates the endosomal sorting of guidance receptors to promote directed collective cell migration in vivo. *iScience*, 26(8), 107467.