

Resource Summary Report

Generated by [dkNET](#) on Aug 21, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=UAS-Egfr.DN.B}29-77-1; P{w\[+mC\]=UAS-Egfr.DN.B}29-8-1](#)

RRID:BDSC_5364

Type: Organism

Proper Citation

RRID:BDSC_5364

Organism Information

URL: <https://n2t.net/bdsc:5364>

Proper Citation: RRID:BDSC_5364

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=UAS-Egfr.DN.B}29-77-1; P{w[+mC]=UAS-Egfr.DN.B}29-8-1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Alan Michelson, Mass General Brigham

Affected Gene: Egfr, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 5364

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5364, BL5364

Organism Name: y[1] w[*]; P{w[+mC]=UAS-Egfr.DN.B}29-77-1; P{w[+mC]=UAS-Egfr.DN.B}29-8-1

Record Creation Time: 20240911T222152+0000

Record Last Update: 20260815T191241+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=UAS-Egfr.DN.B}29-77-1; P{w[+mC]=UAS-Egfr.DN.B}29-8-1.

No alerts have been found for y[1] w[*]; P{w[+mC]=UAS-Egfr.DN.B}29-77-1; P{w[+mC]=UAS-Egfr.DN.B}29-8-1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Markovitsch JW, et al. (2026) Sequential formation of Drosophila circuit asymmetry via prolonged structural plasticity. Science advances, 12(13), eaea6020.

Donoghue A, et al. (2026) Dynamic integration of morphogen and juxtacrine signaling specifies cell fate at single-cell resolution. Current biology : CB, 36(14), 3580.

Lee JI, et al. (2025) The matrix glycoprotein Papilin maintains the haematopoietic progenitor pool in Drosophila lymph glands. Development (Cambridge, England), 152(7).

Laloti VS, et al. (2025) The Drosophila epidermal growth factor receptor pathway regulates Hedgehog signalling and cytoneme behaviour. Nature communications, 16(1), 1994.

Yan J, et al. (2025) Dapagliflozin ameliorates intestinal stem cell aging by regulating the MAPK signaling pathway in Drosophila. Frontiers in cell and developmental biology, 13, 1576258.

Ramirez Moreno M, et al. (2025) E-cadherin endocytosis promotes non-canonical EGFR:STAT signalling to induce cell death and inhibit heterochromatinisation. PLoS genetics, 21(7), e1011781.

Huang YT, et al. (2025) Activation of a Src-JNK pathway in unscheduled endocycling cells of the Drosophila wing disc induces a chronic wounding response. bioRxiv : the preprint server for biology.

Kharrat B, et al. (2024) Dual role for Headcase in hemocyte progenitor fate determination in Drosophila melanogaster. PLoS genetics, 20(10), e1011448.

Clarke DN, et al. (2023) EGFR-dependent actomyosin patterning coordinates morphogenetic movements between tissues. bioRxiv : the preprint server for biology.

Zhang Q, et al. (2023) Phase separation of BuGZ regulates gut regeneration and aging through interaction with m6A regulators. *Nature communications*, 14(1), 6700.

Yan L, et al. (2023) Silibinin alleviates intestinal inflammation via inhibiting JNK signaling in *Drosophila*. *Frontiers in pharmacology*, 14, 1246960.

Mangione F, et al. (2023) Co-option of epidermal cells enables touch sensing. *Nature cell biology*, 25(4), 540.

Nassari S, et al. (2022) Rab21 in enterocytes participates in intestinal epithelium maintenance. *Molecular biology of the cell*, 33(4), ar32.

Cheng KC, et al. (2022) Early A β 42 Exposure Causes Learning Impairment in Later Life. *Aging and disease*, 13(3), 868.

Beaven R, et al. (2022) Early patterning followed by tissue growth establishes distal identity in *Drosophila* Malpighian tubules. *Frontiers in cell and developmental biology*, 10, 947376.

Liu D, et al. (2022) WASH activation controls endosomal recycling and EGFR and Hippo signaling during tumor-suppressive cell competition. *Nature communications*, 13(1), 6243.

Greenspan LJ, et al. (2022) Activation of the EGFR/MAPK pathway drives transdifferentiation of quiescent niche cells to stem cells in the *Drosophila* testis niche. *eLife*, 11.

Al Hayek S, et al. (2021) Steroid-dependent switch of OvoL/Shavenbaby controls self-renewal versus differentiation of intestinal stem cells. *The EMBO journal*, 40(4), e104347.

Resnik-Docampo M, et al. (2021) Neuroglian regulates *Drosophila* intestinal stem cell proliferation through enhanced signaling via the epidermal growth factor receptor. *Stem cell reports*, 16(6), 1584.

Sênos Demarco R, et al. (2020) EGFR Signaling Stimulates Autophagy to Regulate Stem Cell Maintenance and Lipid Homeostasis in the *Drosophila* Testis. *Cell reports*, 30(4), 1101.