

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 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).

Lalioti 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.