

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

w[1118]; P{w[+mC]=UAS-Ras85D.V12}TL1

RRID:BDSC_4847

Type: Organism

Proper Citation

RRID:BDSC_4847

Organism Information

URL: <https://n2t.net/bdsc:4847>

Proper Citation: RRID:BDSC_4847

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=UAS-Ras85D.V12}TL1 from BDSC.

Species: Drosophila melanogaster

Notes: We believe this stock is the same as stock 64195. Donor: Denise Montell, Johns Hopkins University School of Medicine

Affected Gene: Ras85D, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 4847

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_4847, BL4847

Organism Name: w[1118]; P{w[+mC]=UAS-Ras85D.V12}TL1

Record Creation Time: 20240911T222147+0000

Record Last Update: 20260829T185518+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=UAS-Ras85D.V12}TL1.

No alerts have been found for w[1118]; P{w[+mC]=UAS-Ras85D.V12}TL1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Frey A, et al. (2026) Toll receptors mediate tissue intrinsic surveillance against aberrant cells by detecting cell fate aberrations. *Development* (Cambridge, England), 153(4).

Kawadkar J, et al. (2026) Nup107 is a crucial regulator of torso-mediated metamorphic transition in *Drosophila melanogaster*. *eLife*, 14.

Wang R, et al. (2025) Auxilin in enterocytes controls intestinal homeostasis through inter-cell communication. *Cell death & disease*, 16(1), 626.

Hirooka E, et al. (2025) Macrophages promote tumor growth by phagocytosis-mediated cytokine amplification in *Drosophila*. *Current biology : CB*, 35(13), 3209.

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

Fischer F, et al. (2024) A mismatch in the expression of cell surface molecules induces tissue-intrinsic defense against aberrant cells. *Current biology : CB*, 34(5), 980.

Waghmare I, et al. (2024) A Tumor-Specific Molecular Network Promotes Tumor Growth in *Drosophila* by Enforcing a Jun N-Terminal Kinase-Yorkie Feedforward Loop. *Cancers*, 16(9).

Kurogi Y, et al. (2024) The intestinal stem cell/enteroblast-GAL4 driver, escargot-GAL4, also manipulates gene expression in the juvenile hormone-synthesizing organ of *Drosophila melanogaster*. *Scientific reports*, 14(1), 9631.

Luo F, et al. (2024) Notch signaling promotes differentiation, cell death and autophagy in *Drosophila* hematopoietic system. *Insect biochemistry and molecular biology*, 173, 104176.

Kwok SH, et al. (2024) Paraneoplastic renal dysfunction in fly cancer models driven by inflammatory activation of stem cells. *bioRxiv : the preprint server for biology*.

Hsi TC, et al. (2023) Systemic coagulopathy promotes host lethality in a new *Drosophila* tumor model. *Current biology : CB*, 33(14), 3002.

Letizia A, et al. (2023) The TNFR Wengen regulates the FGF pathway by an unconventional mechanism. *Nature communications*, 14(1), 5874.

Wang F, et al. (2023) Gliotransmission and adenosine signaling promote axon regeneration. *Developmental cell*, 58(8), 660.

Cabrera AJH, et al. (2023) Remodeling of E-cadherin subcellular localization during cell dissemination. *Molecular biology of the cell*, 34(5), ar46.

Liu X, et al. (2022) Microbes affect gut epithelial cell composition through immune-dependent regulation of intestinal stem cell differentiation. *Cell reports*, 38(13), 110572.

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.

Tamamouna V, et al. (2021) Remodelling of oxygen-transporting tracheoles drives intestinal regeneration and tumorigenesis in *Drosophila*. *Nature cell biology*, 23(5), 497.

Rackley B, et al. (2021) The level of oncogenic Ras determines the malignant transformation of Lkb1 mutant tissue in vivo. *Communications biology*, 4(1), 142.