

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[w\[*\] upd3\[Delta\]](#)

RRID:BDSC_55728

Type: Organism

Proper Citation

RRID:BDSC_55728

Organism Information

URL: <https://n2t.net/bdsc:55728>

Proper Citation: RRID:BDSC_55728

Description: Drosophila melanogaster with name w[*] upd3[Delta] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Bruno Lemaitre, Ecole Polytechnique Federale de Lausanne

Affected Gene: upd3, w

Genomic Alteration: Chromosome 1

Catalog Number: 55728

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_55728, BL55728

Organism Name: w[*] upd3[Delta]

Record Creation Time: 20240911T222837+0000

Record Last Update: 20260725T195632+0000

Ratings and Alerts

No rating or validation information has been found for w[*] upd3[Delta].

No alerts have been found for w[*] upd3[Delta].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Li J, et al. (2025) Epithelial cell-fate switch triggering ectopic ligand-receptor-mediated JAK-STAT signaling promotes tumorigenesis in Drosophila. *iScience*, 28(4), 112191.

Tenedini FM, et al. (2025) Inflammatory cytokine upd3 induces axon length-dependent synapse removal by glia. *Proceedings of the National Academy of Sciences of the United States of America*, 122(21), e2422752122.

Rai M, et al. (2025) Glycolytic disruption restricts Drosophila melanogaster larval growth via the cytokine Upd3. *PLoS genetics*, 21(5), e1011690.

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

Geng L, et al. (2025) The N^ε-acetyl-L-lysine/Loxl2/H₂O₂ promotes intestinal tumor growth in Drosophila and cell proliferation in human colorectal cancer. *Cell reports*, 44(8), 116126.

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

Umezaki Y, et al. (2024) Taste triggers a homeostatic temperature control in hungry flies. *eLife*, 13.

McMullen E, et al. (2024) JAK/STAT mediated insulin resistance in muscles is essential for effective immune response. *Cell communication and signaling : CCS*, 22(1), 203.

Rai M, et al. (2024) Glycolytic Disruption Triggers Interorgan Signaling to Nonautonomously Restrict Drosophila Larval Growth. *bioRxiv : the preprint server for biology*.

Gera J, et al. (2022) Physiological ROS controls Upd3-dependent modeling of ECM to support cardiac function in Drosophila. *Science advances*, 8(7), eabj4991.

Cohen E, et al. (2021) Accelerated cell cycles enable organ regeneration under developmental time constraints in the Drosophila hindgut. *Developmental cell*, 56(14), 2059.

Nagai H, et al. (2021) Homeostatic Regulation of ROS-Triggered Hippo-Yki Pathway via Autophagic Clearance of Ref(2)P/p62 in the Drosophila Intestine. *Developmental cell*, 56(1), 81.

Ding G, et al. (2021) Coordination of tumor growth and host wasting by tumor-derived Upd3. *Cell reports*, 36(7), 109553.

Romão D, et al. (2021) The Upd3 cytokine couples inflammation to maturation defects in *Drosophila*. *Current biology : CB*, 31(8), 1780.

Houtz P, et al. (2019) Recruitment of Adult Precursor Cells Underlies Limited Repair of the Infected Larval Midgut in *Drosophila*. *Cell host & microbe*, 26(3), 412.

Worley MI, et al. (2018) CtBP impedes JNK- and Upd/STAT-driven cell fate misspecifications in regenerating *Drosophila* imaginal discs. *eLife*, 7.

Bazzi W, et al. (2018) Embryonic hematopoiesis modulates the inflammatory response and larval hematopoiesis in *Drosophila*. *eLife*, 7.

Vicente C, et al. (2018) The CCR4-NOT complex is a tumor suppressor in *Drosophila melanogaster* eye cancer models. *Journal of hematology & oncology*, 11(1), 108.

West C, et al. (2018) p38b and JAK-STAT signaling protect against Invertebrate iridescent virus 6 infection in *Drosophila*. *PLoS pathogens*, 14(5), e1007020.