

Resource Summary Report

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[w\[*\]; wg\[Sp-1\]/CyO; P{w\[+mW.hs\]=GAL4-dpp.blk1}40C.6/TM6B, Tb\[1\]](#)

RRID:BDSC_1553

Type: Organism

Proper Citation

RRID:BDSC_1553

Organism Information

URL: <https://n2t.net/bdsc:1553>

Proper Citation: RRID:BDSC_1553

Description: Drosophila melanogaster with name w[*]; wg[Sp-1]/CyO; P{w[+mW.hs]=GAL4-dpp.blk1}40C.6/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes may be present. Donor: Karen Staehling-Hampton, University of Wisconsin, Madison

Affected Gene: dpp, GAL4, Tb, wg, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 1553

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_1553, BL1553

Organism Name: w[*]; wg[Sp-1]/CyO; P{w[+mW.hs]=GAL4-dpp.blk1}40C.6/TM6B, Tb[1]

Record Creation Time: 20240911T222128+0000

Record Last Update: 20260829T185451+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; wg[Sp-1]/CyO; P{w[+mW.hs]=GAL4-dpp.blk1}40C.6/TM6B, Tb[1].

No alerts have been found for w[*]; wg[Sp-1]/CyO; P{w[+mW.hs]=GAL4-dpp.blk1}40C.6/TM6B, Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Elabbady L, et al. (2026) A central somatotopic map of the fly leg supports spatially targeted grooming. *Current biology : CB*, 36(9), 2192.

Blanco Mendana J, et al. (2025) Deterministic genetic barcoding for multiplexed behavioral and single-cell transcriptomic studies. *eLife*, 12.

Sarkar B, et al. (2025) Regulation of Notch signaling by multiple Ankyrin repeat containing protein Mask. *Cell communication and signaling : CCS*, 23(1), 358.

Gutiérrez Ramos X, et al. (2025) Arthropod Pax Gene Evolution: A Role for Vanessa Cardui Twin of Eyeless in Eye Development. *Molecular biology and evolution*, 42(10).

Goins LM, et al. (2024) Wnt signaling couples G2 phase control with differentiation during hematopoiesis in *Drosophila*. *Developmental cell*, 59(18), 2477.

Verma D, et al. (2024) Regulation of Notch signaling by non-muscle myosin II Zipper in *Drosophila*. *Cellular and molecular life sciences : CMLS*, 81(1), 195.

Malin JA, et al. (2024) Spatial patterning controls neuron numbers in the *Drosophila* visual system. *Developmental cell*, 59(9), 1132.

George LF, et al. (2023) Endoplasmic Reticulum Calcium Mediates *Drosophila* Wing Development. *Bioelectricity*, 5(4), 290.

Friesen S, et al. (2023) Coordinated growth of linked epithelia is mediated by the Hippo pathway. *bioRxiv : the preprint server for biology*.

Inoshita T, et al. (2022) Parkinson disease-associated Leucine-rich repeat kinase regulates UNC-104-dependent axonal transport of Arl8-positive vesicles in *Drosophila*. *iScience*, 25(12), 105476.

Liu M, et al. (2021) Competition between two phosphatases fine-tunes Hedgehog signaling. *The Journal of cell biology*, 220(2).

Everetts NJ, et al. (2021) Single-cell transcriptomics of the *Drosophila* wing disc reveals instructive epithelium-to-myoblast interactions. *eLife*, 10.

Spannl S, et al. (2020) Glycolysis regulates Hedgehog signalling via the plasma membrane potential. *The EMBO journal*, 39(21), e101767.

Galeone A, et al. (2020) Regulation of BMP4/Dpp retrotranslocation and signaling by deglycosylation. *eLife*, 9.

Laddada L, et al. (2019) Odd-skipped and Stripe act downstream of Notch to promote the morphogenesis of long appendicular tendons in *Drosophila*. *Biology open*, 8(3).

Chai PC, et al. (2019) Sensory neuron lineage mapping and manipulation in the *Drosophila* olfactory system. *Nature communications*, 10(1), 643.

Rotelli MD, et al. (2019) A Cyclin A-Myb-MuvB-Aurora B network regulates the choice between mitotic cycles and polyploid endoreplication cycles. *PLoS genetics*, 15(7), e1008253.

Hall ET, et al. (2019) Actomyosin contractility modulates Wnt signaling through adherens junction stability. *Molecular biology of the cell*, 30(3), 411.

Setiawan L, et al. (2018) The BMP2/4 ortholog Dpp can function as an inter-organ signal that regulates developmental timing. *Life science alliance*, 1(6), e201800216.

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