

Resource Summary Report

Generated by [NIF](#) on Sep 4, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=UAS-dpp.S}42B.4](#)

RRID:BDSC_1486

Type: Organism

Proper Citation

RRID:BDSC_1486

Organism Information

URL: <https://n2t.net/bdsc:1486>

Proper Citation: RRID:BDSC_1486

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=UAS-dpp.S}42B.4 from BDSC.

Species: Drosophila melanogaster

Notes: High expresser. May be segregating TM3 Sb[1] Ser[1]. Donor: Karen Staehling-Hampton, University of Wisconsin, Madison

Affected Gene: dpp, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 1486

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_1486, BL1486

Organism Name: y[1] w[*]; P{w[+mC]=UAS-dpp.S}42B.4

Record Creation Time: 20240911T222127+0000

Record Last Update: 20260829T185451+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=UAS-dpp.S}42B.4.

No alerts have been found for y[1] w[*]; P{w[+mC]=UAS-dpp.S}42B.4.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Zhang Y, et al. (2025) Drosophila Dpp and BMP signaling directly regulates dpp transcription for optimal ligand production. *Development (Cambridge, England)*, 152(21).

Raz A, et al. (2025) Modular regulation of the stem cell transcriptome defines self-renewal, differentiation, and dedifferentiation. *bioRxiv : the preprint server for biology*.

Bauer M, et al. (2023) Heterodimerization-dependent secretion of bone morphogenetic proteins in Drosophila. *Developmental cell*, 58(8), 645.

Colonna MM, et al. (2022) Preformation and epigenesis converge to specify primordial germ cell fate in the early Drosophila embryo. *PLoS genetics*, 18(1), e1010002.

Macabenta F, et al. (2022) BMP-gated cell-cycle progression drives anoikis during mesenchymal collective migration. *Developmental cell*, 57(14), 1683.

Hertenstein H, et al. (2021) Starvation-induced regulation of carbohydrate transport at the blood-brain barrier is TGF- β -signaling dependent. *eLife*, 10.

Polcowñuk S, et al. (2021) Decapentaplegic Acutely Defines the Connectivity of Central Pacemaker Neurons in Drosophila. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(40), 8338.

Chen C, et al. (2020) Alstrom syndrome gene is a stem-cell-specific regulator of centriole duplication in the Drosophila testis. *eLife*, 9.

Khadilkar RJ, et al. (2020) Integrins Modulate Extracellular Matrix Organization to Control Cell Signaling during Hematopoiesis. *Current biology : CB*, 30(17), 3316.

Dufour HD, et al. (2020) Temporal flexibility of gene regulatory network underlies a novel wing pattern in flies. *Proceedings of the National Academy of Sciences of the United States of America*, 117(21), 11589.

Li M, et al. (2019) Traffic jam regulates the function of the ovarian germline stem cell progeny differentiation niche during pre-adult stage in *Drosophila*. *Scientific reports*, 9(1), 10124.

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.

Malzer E, et al. (2018) The integrated stress response regulates BMP signalling through effects on translation. *BMC biology*, 16(1), 34.

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.

Insko ML, et al. (2012) A self-limiting switch based on translational control regulates the transition from proliferation to differentiation in an adult stem cell lineage. *Cell stem cell*, 11(5), 689.