

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

[bw\[1\]; wit\[A12\] st\[1\]/TM6B, Tb\[+\]](#)

RRID:BDSC_5173

Type: Organism

Proper Citation

RRID:BDSC_5173

Organism Information

URL: <https://n2t.net/bdsc:5173>

Proper Citation: RRID:BDSC_5173

Description: Drosophila melanogaster with name bw[1]; wit[A12] st[1]/TM6B, Tb[+] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Stephen Harrison, Chiron Corporation

Affected Gene: bw, st, Tb, wit

Genomic Alteration: Chromosome 2, Chromosome 3

Catalog Number: 5173

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5173, BDSC:5173, BL5173

Organism Name: bw[1]; wit[A12] st[1]/TM6B, Tb[+]

Record Creation Time: 20240911T222150+0000

Record Last Update: 20260905T135807+0000

Ratings and Alerts

No rating or validation information has been found for bw[1]; wit[A12] st[1]/TM6B, Tb[+].

No alerts have been found for bw[1]; wit[A12] st[1]/TM6B, Tb[+].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Zhou X, et al. (2023) GTPase-activating protein TBC1D5 coordinates with retromer to constrain synaptic growth by inhibiting BMP signaling. Journal of genetics and genomics = Yi chuan xue bao, 50(3), 163.

Choudhury SD, et al. (2022) AP2 Regulates Thickveins Trafficking to Attenuate NMJ Growth Signaling in Drosophila. eNeuro, 9(5).

Vuilleumier R, et al. (2022) Dichotomous cis-regulatory motifs mediate the maturation of the neuromuscular junction by retrograde BMP signaling. Nucleic acids research, 50(17), 9748.

Kim N, et al. (2019) BMP-dependent synaptic development requires Abi-Abl-Rac signaling of BMP receptor macropinocytosis. Nature communications, 10(1), 684.

Kamimura K, et al. (2019) The HSPG Glypican Regulates Experience-Dependent Synaptic and Behavioral Plasticity by Modulating the Non-Canonical BMP Pathway. Cell reports, 28(12), 3144.

Wang S, et al. (2019) Higher-order assembly of Sorting Nexin 16 controls tubulation and distribution of neuronal endosomes. The Journal of cell biology, 218(8), 2600.