

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

[y\[1\] w\[1\]; Klp64D\[k1\]/TM3, y\[+\] Ser\[1\]](#)

RRID:BDSC_5578

Type: Organism

Proper Citation

RRID:BDSC_5578

Organism Information

URL: <https://n2t.net/bdsc:5578>

Proper Citation: RRID:BDSC_5578

Description: Drosophila melanogaster with name y[1] w[1]; Klp64D[k1]/TM3, y[+] Ser[1] from BDSC.

Species: Drosophila melanogaster

Notes: e[1]-like phenotype is present. Donor: Krishanu Ray, University of California, San Diego

Affected Gene: Klp64D, Ser, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 5578

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5578, BL5578

Organism Name: y[1] w[1]; Klp64D[k1]/TM3, y[+] Ser[1]

Record Creation Time: 20240911T222153+0000

Record Last Update: 20260808T194310+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[1]; Klp64D[k1]/TM3, y[+] Ser[1].

No alerts have been found for y[1] w[1]; Klp64D[k1]/TM3, y[+] Ser[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Liew YT, et al. (2026) Loss and gain of motor protein function cause microtubule bundle damage in Drosophila axons. *Current biology : CB*, 36(3), 707.

Sperling AL, et al. (2023) A genetic basis for facultative parthenogenesis in Drosophila. *Current biology : CB*, 33(17), 3545.

Sperling AL, et al. (2023) Protocol for screening facultative parthenogenesis in Drosophila. *STAR protocols*, 4(4), 102585.

Vuong LT, et al. (2023) Wg/Wnt-signaling induced nuclear translocation of β -catenin is attenuated by a β -catenin peptide through its interaction with IFT-A in development and cancer cells. *bioRxiv : the preprint server for biology*.

Vuong LT, et al. (2020) Role of Armadillo repeat 2 and kinesin-II motor subunit Klp64D for wingless signaling in Drosophila. *Scientific reports*, 10(1), 13864.

Jang YG, et al. (2020) Mislocalization of TORC1 to Lysosomes Caused by KIF11 Inhibition Leads to Aberrant TORC1 Activity. *Molecules and cells*, 43(8), 705.

Vuong LT, et al. (2018) Kinesin-2 and IFT-A act as a complex promoting nuclear localization of β -catenin during Wnt signalling. *Nature communications*, 9(1), 5304.