

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

[w\[*\]; PBac{y\[+mDint2\]
w\[+mC\]=UAS\(FRT.mCherry\)ReaChR}VK00005/TM6B,
Sb\[1\] Tb\[1\]](#)

RRID:BDSC_53740

Type: Organism

Proper Citation

RRID:BDSC_53740

Organism Information

URL: <https://n2t.net/bdsc:53740>

Proper Citation: RRID:BDSC_53740

Description: Drosophila melanogaster with name w[*]; PBac{y[+mDint2]
w[+mC]=UAS(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: The TM6B chromosome in this stock probably carries ca[1]. Homozygotes present.
Donor: David Anderson & Hidehiko Inagaki, California Institute of Technology

Affected Gene: FRT, ReaChR, UAS, Sb, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 53740

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_53740, BL53740

Organism Name: w[*]; PBac{y[+mDint2]
w[+mC]=UAS(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1]

Record Creation Time: 20240911T222818+0000

Record Last Update: 20260725T195609+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; PBac{y[+mDint2] w[+mC]=UAS(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1].

No alerts have been found for w[*]; PBac{y[+mDint2] w[+mC]=UAS(FRT.mCherry)ReaChR}VK00005/TM6B, Sb[1] Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Rayshubskiy A, et al. (2025) Neural circuit mechanisms for steering control in walking Drosophila. eLife, 13.

Nojima T, et al. (2021) A sex-specific switch between visual and olfactory inputs underlies adaptive sex differences in behavior. Current biology : CB, 31(6), 1175.

Deutsch D, et al. (2020) The neural basis for a persistent internal state in Drosophila females. eLife, 9.

O'Sullivan A, et al. (2018) Multifunctional Wing Motor Control of Song and Flight. Current biology : CB, 28(17), 2705.