

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

TI{GAL4}fru[GAL4.P1.D]/TM3, Sb[1]

RRID:BDSC_66696

Type: Organism

Proper Citation

RRID:BDSC_66696

Organism Information

URL: <https://n2t.net/bdsc:66696>

Proper Citation: RRID:BDSC_66696

Description: Drosophila melanogaster with name TI{GAL4}fru[GAL4.P1.D]/TM3, Sb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Barry Dickson, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: Sb, fru, GAL4

Genomic Alteration: Chromosome 3

Catalog Number: 66696

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_66696, BL66696

Organism Name: TI{GAL4}fru[GAL4.P1.D]/TM3, Sb[1]

Record Creation Time: 20240911T223022+0000

Record Last Update: 20260815T192324+0000

Ratings and Alerts

No rating or validation information has been found for TI{GAL4}fru[GAL4.P1.D]/TM3, Sb[1].

No alerts have been found for TI{GAL4}fru[GAL4.P1.D]/TM3, Sb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Chaverra M, et al. (2026) Two classes of amine/glutamate multi-transmitter neurons innervate Drosophila internal male reproductive organs. eLife, 14.

Brovkina MV, et al. (2026) Fruitless produces diverse neuronal sex differences by editing lineage-programmed chromatin landscapes. bioRxiv : the preprint server for biology.

Carmignani A, et al. (2025) Cellular Activity Modulation Mediated by Near Infrared-Irradiated Polydopamine Nanoparticles: In Vitro and Ex Vivo Investigation. ACS nano, 19(17), 16267.

Miao H, et al. (2025) The foraging gene coordinates brain and heart networks to modulate socially cued interval timing in Drosophila. PLoS genetics, 21(7), e1011752.

Arai S, et al. (2025) qMaLioffG: a genetically encoded green fluorescence lifetime-based indicator enabling quantitative imaging of intracellular ATP. Nature communications, 16(1), 9972.

Sarker SR, et al. (2025) Harnessing Dye-Induced Local Heating in Lipid Membranes: A Path to Near-Infrared Light-Modulated Artificial Synaptic Vesicles. ACS nano, 19(31), 28768.

Zhang T, et al. (2025) SIFamide-dependent synaptic plasticity in male-specific GABAergic neurons underlies experience-modulated mating behaviors. iScience, 28(10), 113516.

Chaverra M, et al. (2025) Two classes of amine/glutamate multi-transmitter neurons innervate Drosophila internal male reproductive organs. bioRxiv : the preprint server for biology.

Deluca A, et al. (2025) Contribution of neurons that express fruitless and Clock transcription factors to behavioral rhythms and courtship. iScience, 28(3), 112037.

Grmai L, et al. (2024) Integrated stress response signaling acts as a metabolic sensor in fat tissues to regulate oocyte maturation and ovulation. Cell reports, 43(3), 113863.

Shiozaki HM, et al. (2024) Activity of nested neural circuits drives different courtship songs in *Drosophila*. *Nature neuroscience*, 27(10), 1954.

Herrault C, et al. (2024) Cellular sex throughout the organism underlies somatic sexual differentiation. *Nature communications*, 15(1), 6925.

Hopkins BR, et al. (2023) A single-cell atlas of the sexually dimorphic *Drosophila* foreleg and its sensory organs during development. *PLoS biology*, 21(6), e3002148.

Shen P, et al. (2023) Neural circuit mechanisms linking courtship and reward in *Drosophila* males. *Current biology : CB*, 33(10), 2034.

Amin H, et al. (2023) GABAergic signaling shapes multiple aspects of *Drosophila* courtship motor behavior. *iScience*, 26(11), 108069.

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune *Drosophila* male courtship via GABA-mediated inhibition. *Current biology : CB*, 33(18), 3896.

Sun J, et al. (2023) Integrating lipid metabolism, pheromone production and perception by Fruitless and Hepatocyte nuclear factor 4. *bioRxiv : the preprint server for biology*.

Sebesta C, et al. (2022) Subsecond multichannel magnetic control of select neural circuits in freely moving flies. *Nature materials*, 21(8), 951.

Chen SL, et al. (2022) WAKE-mediated modulation of cVA perception via a hierarchical neuro-endocrine axis in *Drosophila* male-male courtship behaviour. *Nature communications*, 13(1), 2518.

Zhang Y, et al. (2020) Distinct Roles and Synergistic Function of FruM Isoforms in *Drosophila* Olfactory Receptor Neurons. *Cell reports*, 33(11), 108516.