

Resource Summary Report

Generated by T1D on Sep 6, 2026

TI{20XUAS-SPARC2-S-Syn21-CsChrimson::tdTomato-3.1}CR-P40

RRID:BDSC_84145

Type: Organism

Proper Citation

RRID:BDSC_84145

Organism Information

URL: <https://n2t.net/bdsc:84145>

Proper Citation: RRID:BDSC_84145

Description: Drosophila melanogaster with name TI{20XUAS-SPARC2-S-Syn21-CsChrimson::tdTomato-3.1}CR-P40 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating CyO. Donor: Jesse Isaacman-Beck & Thomas Clandinin, Stanford University

Affected Gene: CsChrimson, UAS

Genomic Alteration: Chromosome 2

Catalog Number: 84145

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_84145, BDSC:84145, BL84145

Organism Name: TI{20XUAS-SPARC2-S-Syn21-CsChrimson::tdTomato-3.1}CR-P40

Record Creation Time: 20240911T223307+0000

Record Last Update: 20260905T141358+0000

Ratings and Alerts

No rating or validation information has been found for TI{20XUAS-SPARC2-S-Syn21-CsChrimson::tdTomato-3.1}CR-P40.

No alerts have been found for TI{20XUAS-SPARC2-S-Syn21-CsChrimson::tdTomato-3.1}CR-P40.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Sava?? D, et al. (2026) Feeding decision-making by a single neuron via disparate neurotransmitters. Nature communications, 17(1).

Elabbady L, et al. (2026) A central somatotopic map of the fly leg supports spatially targeted grooming. Current biology : CB, 36(9), 2192.

Chen J, et al. (2025) A hormone-to-neuropeptide pathway inhibits sexual receptivity in immature Drosophila females. Proceedings of the National Academy of Sciences of the United States of America, 122(8), e2418481122.

Zhao Q, et al. (2024) A two-layer neural circuit controls fast forward locomotion in Drosophila. Current biology : CB, 34(15), 3439.

Ros IG, et al. (2024) Descending control and regulation of spontaneous flight turns in Drosophila. Current biology : CB, 34(3), 531.

Crown AM, et al. (2024) Continuous integration of heading and goal directions guides steering. bioRxiv : the preprint server for biology.

Gattuso H, et al. (2024) Inhibitory control of locomotor statistics in walking Drosophila. bioRxiv : the preprint server for biology.

Israel S, et al. (2022) Olfactory stimuli and moonwalker SEZ neurons can drive backward locomotion in Drosophila. Current biology : CB, 32(5), 1131.

Sun L, et al. (2022) Recurrent circadian circuitry regulates central brain activity to maintain sleep. Neuron, 110(13), 2139.