

Resource Summary Report

Generated by T1D on Sep 18, 2026

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

RRID:BDSC_84144

Type: Organism

Proper Citation

RRID:BDSC_84144

Organism Information

URL: <https://n2t.net/bdsc:84144>

Proper Citation: RRID:BDSC_84144

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

Species: Drosophila melanogaster

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

Affected Gene: CsChrimson, UAS

Genomic Alteration: Chromosome 2

Catalog Number: 84144

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_84144, BDSC:84144, BL84144

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

Record Creation Time: 20240911T223307+0000

Record Last Update: 20260912T204609+0000

Ratings and Alerts

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

No alerts have been found for TI{20XUAS-SPARC2-I-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 11 mentions in open access literature.

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

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

Liessem S, et al. (2026) Control of walking direction by descending and dopaminergic neurons in *Drosophila*. *Current biology : CB*, 36(15), 3808.

Avishai G, et al. (2025) Differential dopaminergic modulation of the antennal lobe of *Drosophila melanogaster*. *Communications biology*, 8(1), 1555.

Israel S, et al. (2025) A new system for studying neuronal remodeling and its relation to behavior in *Drosophila*. *Communications biology*, 8(1), 1830.

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.

Manoim JE, et al. (2022) Lateral axonal modulation is required for stimulus-specific olfactory conditioning in *Drosophila*. *Current biology : CB*, 32(20), 4438.