

Resource Summary Report

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[rjSi1 II.](#)

RRID:WB-STRAIN:WBStrain00051635

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051635

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051635>

Proper Citation: RRID:WB-STRAIN:WBStrain00051635

Description: Caenorhabditis elegans with name rjSi1 II. from WB.

Species: Caenorhabditis elegans

Synonyms: rjSi1 II.

Notes: rjSi1 [cra-1p::cra-1::GFP::cra-1 3'UTR + Cbr-unc-119(+)] II. Single copy insertion. cra-1 promoter, cra-1::GFP and 3'UTR was cloned into pCFJ150 (ttTi5605) vector and inserted into ttTi5605 of EG4322 strain. Outcrossed three times to N2 Bristol; could still carry unc-119(ed9) in the background. Superficially wild-type. This CRA-1::GFP fusion construct has been shown to be functional and its localization reflects endogenous CRA-1 localization. rjSi1 transgene can rescue synapsis defects of cra-1 mutants and restore cross-over events (six bivalents instead of the 11 to 12 univalents characteristic of cra-1 mutants). Brood size and embryonic lethality were significantly, albeit not completely, restored in the rescued line suggesting that the GFP tag might affect other CRA-1 functions. Reference: Gao J, et al. PLOS Genetics 11(3): e1005029. <https://doi.org/10.1371/journal.pgen.1005029>

Catalog Number: WB-STRAIN:WBStrain00051635

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: rjSi1 II.

Record Creation Time: 20230227T013849+0000

Record Last Update: 20260808T171840+0000

Ratings and Alerts

No rating or validation information has been found for rjSi1 II..

No alerts have been found for rjSi1 II..

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We have not found any literature mentions for this resource.