Resource Summary Report

Generated by dkNET on Sep 1, 2026

bmdSi346 I; bmdSi297 II.

RRID:WB-STRAIN:WBStrain00054719
Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00054719

Organism Information

URL: http://www.wormbase.org/db/get?name=WBStrain00054719

Proper Citation: RRID:WB-STRAIN:WBStrain00054719

Description: Caenorhabditis elegans with name bmdSi346 I; bmdSi297 II. from WB.

Species: Caenorhabditis elegans

Synonyms: bmdSi346 I; bmdSi297 II.

Notes: bmdSi346 [loxN::lin-31p::FLP]; inserted into safe harbor site ttTi4348 in Chr I. bmdSi297 [loxN::rpl-28p::FRT3::STOP::FRT3::TIR1(F79G)::T2A::DHB::2xmKate2]; inserted into safe harbor site ttTi5605 in Chr II. FLP-ON::TIR1 system for AID-tagged protein degradation in VPCs. High levels of TIR1(F79G) expression in vulval precursor cells by lin-31p::FLP with co-expression of CDK activity sensor. bmdSi297 contains the ubiquitous rpl-28 promoter driving expression of FRT3::STOP::FRT3::TIR1(F79G)::DHB construct dependent upon tissue-specific FLPase. High levels of TIR1(F79G) can be expressed in specific tissue or cell types via FLPase activity, allowing spatiotemporally-targeted degradation of AID-tagged proteins. Reference: Xiao Y, et al. An expandable FLP-ON::TIR1 system for precise spatiotemporal protein degradation in C. elegans. bioRxiv 2022.10.14.512315; doi: https:|"Made_by: Matus Lab"

Catalog Number: WB-STRAIN:WBStrain00054719

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: bmdSi346 I; bmdSi297 II.

Record Creation Time: 20240716T202604+0000

Record Last Update: 20260829T162841+0000

Ratings and Alerts

No rating or validation information has been found for bmdSi346 I; bmdSi297 II..

No alerts have been found for bmdSi346 I; bmdSi297 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.