

Resource Summary Report

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[nos-3\(q902\) II; qSi380 IV.](#)

RRID:WB-STRAIN:WBStrain00054810

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00054810

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00054810>

Proper Citation: RRID:WB-STRAIN:WBStrain00054810

Description: Caenorhabditis elegans with name nos-3(q902) II; qSi380 IV. from WB.

Species: Caenorhabditis elegans

Synonyms: nos-3(q902) II; qSi380 IV.

Notes: Made_by: Jon Doenier|"qSi380 [mex-5p::eGFP::3xOLASS::linker::his-58::MODC pest::3xboxb::tbb-2 3'UTR::SL2 trans-splice site::mCherry::3xV5::linker::his-58::MODC pest::mutant 3xboxb::tbb-2 3'utr::tbb-1 intergenic region] IV. Worms are fertile at 20C. Improved tethering assay for use in the C. elegans germline. GFP reporter mRNA is under control of a germline-expressed mex-5 promoter and has three boxB stem-loops in its 3'UTR. The RNA-binding protein (RBP) is tagged with lamda-N. The nascent transcript driven by mex-5 promoter is resolved by trans-splicing into two mRNAs that encode distinct reporters. The GFP reporter RNA has three functional boxB stem-loops in its 3'UTR; the mCherry reporter 3'UTR has three mutated boxB stem-loops that do not bind lamda-N and therefore provides an internal control. Addition of an OLLAS tag to GFP and a V5 tag to mCherry enables sensitive immunostaining and immunoblotting. Reference: Doenier J, et al. RNA. 2021 Jun;(6)643-652. PMID: 33727224."

Affected Gene: WBGene00003785(nos-3)

Genomic Alteration: WBGene00003785(nos-3)

Catalog Number: WB-STRAIN:WBStrain00054810

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: nos-3(q902) II; qSi380 IV.

Record Creation Time: 20240716T202604+0000

Record Last Update: 20260829T162842+0000

Ratings and Alerts

No rating or validation information has been found for nos-3(q902) II; qSi380 IV..

No alerts have been found for nos-3(q902) II; qSi380 IV..

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.