

# Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

## ears-2(ve631[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) /dpy-9(e12) IV.

RRID:WB-STRAIN:WBStrain00049370

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00049370

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00049370>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00049370

**Description:** Caenorhabditis elegans with name ears-2(ve631[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) /dpy-9(e12) IV. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** ears-2(ve631[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) /dpy-9(e12) IV.

**Notes:** Homozygous sterile, Pvl. Deletion of 1629 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break in parental strain N2. Heterozygotes are wild-type GFP+, and segregate wild-type GFP+, GFP+ non-Dpy Pvl sterile adults (ve631 homozygotes), Dpy non-GFP (dpy-9(e12) homozygotes).

Maintain by picking wild-type GFP+.Left flanking Sequence:

acaatggaaatcgagTTATAATAATTCCT ; Right flanking sequence:

CGGTTAGCTTCATAatttctattgaggggt. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."|Homozygous sterile. Deletion of 1629 bp with Calarco/Colaiacovo selection cassette conferring myo-2 GFP and G418 resistance inserted at break in parental strain N2. Heterozygotes are wild-type GFP+, and segregate wild-type GFP+, GFP+ non-Dpy sterile adults (ve631 homozygotes), Dpy non-GFP (dpy-9(e12) homozygotes). Maintain by picking wild-type GFP+.Left flanking Sequence:

acaatggaaatcgagTTATAATAATTCCT ; Right flanking sequence:

CGGTTAGCTTCATAatttctattgaggggt. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."|Made\_by: RG KO Group"

**Affected Gene:** WBGene00001071(dpy-9)|WBGene00001338(ears-2)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)

**Genomic Alteration:** WBGene00001071(dpy-9), WBGene00001338(ears-2), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54)

**Catalog Number:** WB-STRAIN:WBStrain00049370

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** unknown

**Organism Name:** ears-2(ve631[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) /dpy-9(e12) IV.

**Record Creation Time:** 20230227T013832+0000

**Record Last Update:** 20260725T172705+0000

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## Ratings and Alerts

No rating or validation information has been found for ears-2(ve631[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) /dpy-9(e12) IV..

No alerts have been found for ears-2(ve631[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) /dpy-9(e12) IV..

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.