

Resource Summary Report

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[orai-1\(ve1007\[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP\]\)/sC1\(s2023\) \[dpy-1\(s2170\) umnIs41\] III.](#)

RRID:WB-STRAIN:WBStrain00063088

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00063088

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00063088>

Proper Citation: RRID:WB-STRAIN:WBStrain00063088

Description: Caenorhabditis elegans with name orai-1(ve1007[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] III. from WB.

Species: Caenorhabditis elegans

Synonyms: orai-1(ve1007[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] III.

Notes: Made_by: RG KO Group|"umnIs41 [myo-2p::mKate2 + NeoR, III: 518034 (intergenic)] III. Homozygous sterile. Deletion of 7387 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+ mKate2+, and segregate wild-type GFP+ mKate2+, sterile GFP+ non-mKate2 (ve1007 homozygotes), Dpy non-GFP mKate2+ (sC1 homozygotes). Maintain by picking wild-type GFP+ mKate2+. orai-1 is near unc-45 and therefore near the outer limit of the sC1 balancer. Left flanking Sequence: ATCCTGACGTCAGAGATCTTCTGAAATCCG; Right flanking sequence: GTGTTCCGTCATGCCATTTTAATCTGTGTG. orai-1 crRNA A: CTTTCGAAGTCTCCGTTTCG; orai-1 crRNA B: GTGGCGAGACAGTGAGCAGG. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation."

Affected Gene: WBGene00001063(dpy-1)|WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)|WBGene00015648(orai-1)

Genomic Alteration: WBGene00001063(dpy-1), WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00015648(orai-1)

Catalog Number: WB-STRAIN:WBStrain00063088

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: orai-1(ve1007[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] III.

Record Creation Time: 20250827T213353+0000

Record Last Update: 20260829T163114+0000

Ratings and Alerts

No rating or validation information has been found for orai-1(ve1007[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] III..

No alerts have been found for orai-1(ve1007[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP])/sC1(s2023) [dpy-1(s2170) umnIs41] III..

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.