

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 23, 2026

klp-15(ok1958) klp-16(or1952)/tmC18[dpy-5(tmIs1236)] I; ItIs37 IV; ruls57.

RRID:WB-STRAIN:WBStrain00050671

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00050671

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00050671>

Proper Citation: RRID:WB-STRAIN:WBStrain00050671

Description: *Caenorhabditis elegans* with name klp-15(ok1958) klp-16(or1952)/tmC18[dpy-5(tmIs1236)] I; ItIs37 IV; ruls57. from WB.

Species: *Caenorhabditis elegans*

Synonyms: klp-15(ok1958) klp-16(or1952)/tmC18[dpy-5(tmIs1236)] I; ItIs37 IV; ruls57.

Notes: ItIs37 [pie-1p::mCherry::H2B::pie-1 3'UTR + unc-119(+)] IV. ruls57 [pie-1p::GFP::tubulin + unc-119(+)]. tmC18 balancer marked with myo-2p::mCherry and Dpy. Heterozygotes are wild-type with pharyngeal mCherry, and segregate mCherry+ heterozygotes, tmC18 homozygotes (mCherry+ Dpy) and non-mCherry klp-15/16 homozygotes. Homozygous double deletion mutants are fertile but produced reduced brood sizes with highly penetrant embryonic lethality; will also segregate some males. Reference: Chuang CH, et al., *Biology Open* 2020 9: bio052308 doi: 10.1242/bio.052308 Published 25 June 2020|ItIs37 [pie-1p::mCherry::his-58 + unc-119(+)] IV. ruls57 [pie-1p::GFP::tubulin + unc-119(+)]. tmC18 balancer marked with myo-2p::mCherry and Dpy. Heterozygotes are wild-type with pharyngeal mCherry, and segregate mCherry+ heterozygotes, tmC18 homozygotes (mCherry+ Dpy) and non-mCherry klp-15/16 homozygotes. Homozygous double deletion mutants are fertile but produced reduced brood sizes with highly penetrant embryonic lethality; will also segregate some males. [NOTE: the ItIs37 [pie-1p::mCherry::his-58 + unc-119(+)] IV transgene was previously annotated as itIs37 in this strain. The correct name of the transgene is ItIs37 and not itIs37.] Reference: Chuang CH, et al., *Biology Open* 2020 9: bio052308 doi: 10.1242/bio.052308 Published 25 June 2020"

Affected Gene: WBGene00001067(dpy-5)|WBGene00002225(klp-15)|WBGene00002226(klp-16)

Genomic Alteration: WBGene00001067(dpy-5), WBGene00002225(klp-15), WBGene00002226(klp-16)

Catalog Number: WB-STRAIN:WBStrain00050671

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: klp-15(ok1958) klp-16(or1952)/tmC18[dpy-5(tmIs1236)] I; ltIs37 IV; ruls57.

Record Creation Time: 20230227T013842+0000

Record Last Update: 20260815T163725+0000

Ratings and Alerts

No rating or validation information has been found for klp-15(ok1958) klp-16(or1952)/tmC18[dpy-5(tmIs1236)] I; ltIs37 IV; ruls57..

No alerts have been found for klp-15(ok1958) klp-16(or1952)/tmC18[dpy-5(tmIs1236)] I; ltIs37 IV; ruls57..

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.