

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

YE58

RRID:WB-STRAIN:WBStrain00040714

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00040714

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00040714>

Proper Citation: RRID:WB-STRAIN:WBStrain00040714

Description: Caenorhabditis elegans with name smc-6(ok3294)/mIn1 [mls14 dpy-10(e128)] II. from WB.

Species: Caenorhabditis elegans

Synonyms: smc-6(ok3294)/mIn1 [mls14 dpy-10(e128)] II.

Notes: Homozygous viable mutation balanced by GFP- and dpy-10-marked inversion. Heterozygotes are WT with relatively dim pharyngeal GFP signal, and segregate WT dim GFP, Dpy bright GFP (mIn1 homozygotes), and non-GFP ok3294 homozygotes. Pick WT dim GFP and check for correct segregation of progeny to maintain. ok3294 homozygotes are morphologically wild-type but show ~30% reduction in fertilized eggs and a trans-generational increase in sterility. Maintain under normal conditions. Reference: Bickel JS, et al. PLoS Genet. 2010 Jul 22;6(7):e1001028.|"Made_by: Jeremy Bickel"

Affected Gene: WBGene00001072(dpy-10)|WBGene00010056(smc-6)

Genomic Alteration: WBGene00001072(dpy-10), WBGene00010056(smc-6)

Catalog Number: WB-STRAIN:WBStrain00040714

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:39115289](#)

Alternate IDs: WB-STRAIN:YE58, CGC_YE58

Organism Name: YE58

Record Creation Time: 20230227T013727+0000

Record Last Update: 20260725T172507+0000

Ratings and Alerts

No rating or validation information has been found for YE58.

No alerts have been found for YE58.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Odiba AS, et al. (2022) Loss of NSE-4 Perturbs Genome Stability and DNA Repair in *Caenorhabditis elegans*. International journal of molecular sciences, 23(13).