

Resource Summary Report

Generated by [ASWG](#) on Aug 16, 2026

ogt-1(dr20) III; drls4 IV.

RRID:WB-STRAIN:WBStrain00050438

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00050438

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00050438>

Proper Citation: RRID:WB-STRAIN:WBStrain00050438

Description: Caenorhabditis elegans with name ogt-1(dr20) III; drls4 IV. from WB.

Species: Caenorhabditis elegans

Synonyms: ogt-1(dr20) III; drls4 IV.

Notes: drls4 [gpdh-1p::GFP + col-12p::DsRed] IV. ogt-1(dr20) was isolated in an ENU screen in parental strain OG119 for mutants with decreased induction of the gpdh-1p::GFP reporter during hypertonic stress. dr20 is a presumptive null allele [Q600STOP]. OG969 has decreased gpdh-1p::GFP induction during hypertonic stress and impaired adaptation to hypertonic stress. Constitutive col-12p::DsRed expression. Reference: Urso SJ, et al. (2020). The O-GlcNAc transferase OGT is a conserved and essential regulator of the cellular and organismal response to hypertonic stress. bioRxiv, 2020.2005.2001.072033.|"Generated from papers flagged positive during the last month for data type afp_otherstrain and contains genotype and gene data."|"Made_by: Sarel Urso"

Affected Gene: WBGene00003858(ogt-1)

Genomic Alteration: WBGene00003858(ogt-1)

Catalog Number: WB-STRAIN:WBStrain00050438

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Source References: [PMID:33006972](#)

Organism Name: ogt-1(dr20) III; drIs4 IV.

Record Creation Time: 20230227T013840+0000

Record Last Update: 20260815T163720+0000

Ratings and Alerts

No rating or validation information has been found for ogt-1(dr20) III; drIs4 IV..

No alerts have been found for ogt-1(dr20) III; drIs4 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.