

Resource Summary Report

Generated by [RRID](#) on Aug 7, 2026

DG1856

RRID:WB-STRAIN:WBStrain00005663

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00005663

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00005663>

Proper Citation: RRID:WB-STRAIN:WBStrain00005663

Description: Caenorhabditis elegans with name goa-1(sa734) I. from WB.

Species: Caenorhabditis elegans

Synonyms: goa-1(sa734) I.

Notes: Recessive, early stop mutation within the coding sequence (C to T substitution in aa52) makes sa734 a likely null allele. May grow slightly better at 15C. Hyperactive, lays early stage eggs, increased amplitude of locomotory wave-form. Suppresses the lethargy and egg-laying defects of unc-43(n498). Reverses direction of locomotion more frequently than WT.|"WBStrain mapped, WBPaper00061459 added based on AFP_Strain data."|"WBStrain provided so WBPaper00062031 paper added based on AFP_Strain data."

Affected Gene: WBGene00001648(goa-1)

Genomic Alteration: WBGene00001648(goa-1)

Catalog Number: WB-STRAIN:WBStrain00005663

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:34037773](#), [PMID:34622282](#), [PMID:37416472](#)

Alternate IDs: WB-STRAIN:DG1856, CGC_DG1856

Organism Name: DG1856

Record Creation Time: 20230227T013301+0000

Record Last Update: 20260801T171145+0000

Ratings and Alerts

No rating or validation information has been found for DG1856.

No alerts have been found for DG1856.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Medrano E, et al. (2025) Osmolarity regulates *Caenorhabditis elegans* egg-laying behavior via chemosensory and biophysical mechanisms. *The Journal of experimental biology*, 228(21).

Pu L, et al. (2023) Hypoxia induces food leaving in *C. elegans*. *microPublication biology*, 2023.