

# Resource Summary Report

Generated by [ASWG](#) on Aug 21, 2026

## B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J

RRID:IMSR\_JAX:004178

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:004178

### Organism Information

**URL:** <https://www.jax.org/strain/004178>

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**Description:** Mus musculus with name B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.Cg-Tg(ACTB-Bgeo/GFP)21Lbe/J. B6.Cg-Tg(CAG-Bgeo/GFP)21Lbe/J

**Notes:** gene symbol note: fusion of beta-galactosidase and neomycin phosphotransferase genes|beta-galactosidase|transgene insertion 21; Corrinne Lobe|actin; beta|; mutant strain|congenic strain: Bgeo|lacZ|Tg(CAG-Bgeo/GFP)21Lbe|ACTB|

**Affected Gene:** fusion of beta-galactosidase and neomycin phosphotransferase genes|beta-galactosidase|transgene insertion 21; Corrinne Lobe|actin; beta|

**Genomic Alteration:** transgene insertion 21; Corrinne Lobe

**Catalog Number:** JAX:004178

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J

**Record Creation Time:** 20250513T053643+0000

**Record Last Update:** 20260815T050554+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J.

No alerts have been found for B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Laukoter S, et al. (2020) Cell-Type Specificity of Genomic Imprinting in Cerebral Cortex. *Neuron*, 107(6), 1160.

de Araujo TM, et al. (2019) The partial inhibition of hypothalamic IRX3 exacerbates obesity. *EBioMedicine*, 39, 448.

Santiago Gonzalez DA, et al. (2017) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in NG2-Positive Cells Impairs Remyelination in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(42), 10038.

Cheli VT, et al. (2016) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in Oligodendrocyte Progenitor Cells Affects Postnatal Myelination in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(42), 10853.

Ha S, et al. (2013) Somato-dendritic localization and signaling by leptin receptors in hypothalamic POMC and AgRP neurons. *PloS one*, 8(10), e77622.

Heffner CS, et al. (2012) Supporting conditional mouse mutagenesis with a comprehensive cre characterization resource. *Nature communications*, 3, 1218.