

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

B6N.Cg-Kras^{tm4Tyj}/CjDswJ

RRID:IMSR_JAX:019104

Type: Organism

Proper Citation

RRID:IMSR_JAX:019104

Organism Information

URL: <https://www.jax.org/strain/019104>

Proper Citation: RRID:IMSR_JAX:019104

Description: Mus musculus with name B6N.Cg-Kras^{tm4Tyj}/CjDswJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: Kras proto-oncogene; GTPase; mutant strain|congenic strain: Kras

Affected Gene: Kras proto-oncogene; GTPase

Genomic Alteration: targeted mutation 4; Tyler Jacks

Catalog Number: JAX:019104

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6N.Cg-Kras^{tm4Tyj}/CjDswJ

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260808T050945+0000

Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Kras^{tm4Tyj}/CjDswJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human acute myeloid leukemia.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Hanley SE, et al. (2026) Cyclin C promotes pancreatic development and suppresses cancer initiation by maintenance of the autophagy-lysosome pathway. *iScience*, 29(3), 114949.

Deng S, et al. (2026) Repurposing of the Macrolide Antibiotic Clarithromycin for the Prevention of Lung Cancer. *Molecular cancer therapeutics*, 25(2), 283.

Mennuni M, et al. (2024) High mitochondrial DNA levels accelerate lung adenocarcinoma progression. *Science advances*, 10(44), eadp3481.

Herms A, et al. (2024) Self-sustaining long-term 3D epithelioid cultures reveal drivers of clonal expansion in esophageal epithelium. *Nature genetics*, 56(10), 2158.

Shields MA, et al. (2022) G¹³ loss in Kras/Tp53 mouse model of pancreatic tumorigenesis promotes tumors susceptible to rapamycin. *Cell reports*, 38(9), 110441.