

Resource Summary Report

Generated by [ASWG](#) on Aug 10, 2026

B6;129-Kcnq2^{tm1.1Avtz/J}

RRID:IMSR_JAX:036075

Type: Organism

Proper Citation

RRID:IMSR_JAX:036075

Organism Information

URL: <https://www.jax.org/strain/036075>

Proper Citation: RRID:IMSR_JAX:036075

Description: Mus musculus with name B6;129-Kcnq2^{tm1.1Avtz/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: potassium voltage-gated channel; subfamily Q; member 2;
mutant stock: Kcnq2

Affected Gene: potassium voltage-gated channel; subfamily Q; member 2

Genomic Alteration: targeted mutation 1.1; Anastasios V Tzingounis

Catalog Number: JAX:036075

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Kcnq2^{tm1.1Avtz/J}

Record Creation Time: 20250513T053852+0000

Record Last Update: 20260808T051047+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Kcnq2^{tm1.1Avtz/J}.

No alerts have been found for B6;129-Kcnq2^{tm1.1Avtz/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Tsuboi D, et al. (2022) Dopamine drives neuronal excitability via KCNQ channel phosphorylation for reward behavior. Cell reports, 40(10), 111309.