Resource Summary Report

Generated by NIF on Aug 17, 2026

B6EiC3Sn a/A-Ts(17^{16})65Dn/J

RRID:IMSR_JAX:001924
Type: Organism

Proper Citation

RRID:IMSR_JAX:001924

Organism Information

URL: https://www.jax.org/strain/001924

Proper Citation: RRID:IMSR_JAX:001924

Description: Mus musculus with name B6EiC3Sn a/A-Ts(17^{16})65Dn/J from IMSR.

Species: Mus musculus

Synonyms: B6EiC3Sn a/A-Ts(1716>)65Dn

Notes: gene symbol note: nonagouti|trisomy; Chr 16 translocation to Chr 17; Davisson 65; mutant strain: a|Ts(1716>)65Dn

Affected Gene: nonagouti|trisomy; Chr 16 translocation to Chr 17; Davisson 65

Genomic Alteration: nonagouti|trisomy; Chr 16 translocation to Chr 17; Davisson 65

Catalog Number: JAX:001924

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6EiC3Sn a/A-Ts(17^{16})65Dn/J

Record Creation Time: 20250513T053628+0000

Record Last Update: 20260815T050537+0000

Ratings and Alerts

No rating or validation information has been found for B6EiC3Sn a/A-Ts(17^{16})65Dn/J.

No alerts have been found for B6EiC3Sn a/A-Ts(17^{16})65Dn/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Vidva R, et al. (2025) MyVivarium: A cloud-based lab animal colony management application with realtime ambient sensing. Computational and structural biotechnology journal, 27, 612.

Bolla M, et al. (2025) NKCC1 inhibition improves sleep quality and EEG information content in a Down syndrome mouse model. iScience, 28(4), 112220.

Rastogi M, et al. (2024) Integrative multi-omic analysis reveals conserved cell-projection deficits in human Down syndrome brains. Neuron, 112(15), 2503.

Colombi I, et al. (2024) Heterogeneous subpopulations of GABAAR-responding neurons coexist across neuronal network scales and developmental stages in health and disease. iScience, 27(4), 109438.

Shaw PR, et al. (2020) Longitudinal neuroanatomical and behavioral analyses show phenotypic drift and variability in the Ts65Dn mouse model of Down syndrome. Disease models & mechanisms, 13(9).

Zorrilla de San Martin J, et al. (2020) Alterations of specific cortical GABAergic circuits underlie abnormal network activity in a mouse model of Down syndrome. eLife, 9.

Pinto B, et al. (2020) Rescuing Over-activated Microglia Restores Cognitive Performance in Juvenile Animals of the Dp(16) Mouse Model of Down Syndrome. Neuron, 108(5), 887.

Di Domenico F, et al. (2019) Restoration of aberrant mTOR signaling by intranasal rapamycin reduces oxidative damage: Focus on HNE-modified proteins in a mouse model of down syndrome. Redox biology, 23, 101162.

Tramutola A, et al. (2018) Intranasal rapamycin ameliorates Alzheimer-like cognitive decline in a mouse model of Down syndrome. Translational neurodegeneration, 7, 28.

Catuara-Solarz S, et al. (2016) Combined Treatment With Environmental Enrichment and (-)-Epigallocatechin-3-Gallate Ameliorates Learning Deficits and Hippocampal Alterations in a Mouse Model of Down Syndrome. eNeuro, 3(5).

Alldred MJ, et al. (2015) Expression profile analysis of vulnerable CA1 pyramidal neurons in young-Middle-Aged Ts65Dn mice. The Journal of comparative neurology, 523(1), 61.