

Resource Summary Report

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B6.Cg-Tg(Sry)2Ei Sry^{dl1Rlb} T(XTmsb4x-Hccs;Y)1Dto/ArnoJ

RRID:IMSR_JAX:010905

Type: Organism

Proper Citation

RRID:IMSR_JAX:010905

Organism Information

URL: <https://www.jax.org/strain/010905>

Proper Citation: RRID:IMSR_JAX:010905

Description: Mus musculus with name B6.Cg-Tg(Sry)2Ei Sry^{dl1Rlb} T(XTmsb4x-Hccs;Y)1Dto/ArnoJ from IMSR.

Species: Mus musculus

Synonyms: Four Core Genotypes. B6.Cg-Tg(Sry)2Ei Sry/ArnoJ. B6.Cg-Tg(Sry)2Ei Sry/ArnoJ. Tdy ml. FCG

Notes: gene symbol note: transgene insertion 2; Eva M Eicher|sex determining region of Chr Y|translocation; Chr X; Duncan T Odom; mutant strain|consomic or chromosome substitution strain|congenic strain: Tg(Sry)2Ei|Sry|T(XTmsb4x-Hccs;Y)1Dto

Affected Gene: transgene insertion 2; Eva M Eicher|sex determining region of Chr Y|translocation; Chr X; Duncan T Odom

Genomic Alteration: transgene insertion 2; Eva M Eicher|sex determining region of Chr Y-deletion 1; Robin Lovell-Badge|translocation; Chr X; Duncan T Odom

Catalog Number: JAX:010905

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Sry)2Ei Sry^{dl1Rlb} T(XTmsb4x-Hccs;Y)1Dto/ArnoJ

Record Creation Time: 20250513T053718+0000

Record Last Update: 20260725T044427+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Sry)2Ei Sry^{dl1Rlb} T(XTmsb4x-Hccs;Y)1Dto/ArnoJ.

No alerts have been found for B6.Cg-Tg(Sry)2Ei Sry^{dl1Rlb} T(XTmsb4x-Hccs;Y)1Dto/ArnoJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Casali BT, et al. (2025) Sex chromosomes and gonads modify microglial-mediated pathology in a mouse model of Alzheimer's disease. *Journal of neuroinflammation*, 22(1), 81.

Bobotis BC, et al. (2025) Sex chromosomes and sex hormones differently shape microglial properties during normal physiological conditions in the adult mouse hippocampus. *Journal of neuroinflammation*, 22(1), 18.

Yeung J, et al. (2024) Sex chromosomes and hormones independently influence healthy brain development but act similarly after cranial radiation. *Proceedings of the National Academy of Sciences of the United States of America*, 121(36), e2404042121.

Yolmo P, et al. (2024) Atypical B Cells Promote Cancer Progression and Poor Response to Bacillus Calmette-Guérin in Non-Muscle Invasive Bladder Cancer. *Cancer immunology research*, 12(10), 1320.

Blencowe M, et al. (2022) Relative contributions of sex hormones, sex chromosomes, and gonads to sex differences in tissue gene regulation. *Genome research*, 32(5), 807.

Vousden DA, et al. (2018) Impact of X/Y genes and sex hormones on mouse neuroanatomy. *NeuroImage*, 173, 551.

Puralewski R, et al. (2016) Sex-related factors influence expression of mood-related genes in the basolateral amygdala differentially depending on age and stress exposure. *Biology of sex differences*, 7, 50.

Seney ML, et al. (2013) Sex chromosome complement regulates expression of mood-related genes. *Biology of sex differences*, 4(1), 20.