

Resource Summary Report

Generated by [NIF](#) on Sep 11, 2026

B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J

RRID:IMSR_JAX:006051

Type: Organism

Proper Citation

RRID:IMSR_JAX:006051

Organism Information

URL: <https://www.jax.org/strain/006051>

Proper Citation: RRID:IMSR_JAX:006051

Description: Mus musculus with name B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(ACTB-DsRed*MST)1Nagy/J. B6.Cg-Tg(ACTB-DsRed.MST)1Nagy/J

Notes: gene symbol note: |transgene insertion 1; Andras Nagy|actin; beta; mutant strain|congenic strain: |Tg(CAG-DsRed*MST)1Nagy|ACTB

Affected Gene: |transgene insertion 1; Andras Nagy|actin; beta

Genomic Alteration: transgene insertion 1; Andras Nagy

Catalog Number: JAX:006051

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J

Record Creation Time: 20250513T053654+0000

Record Last Update: 20260905T044437+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J.

No alerts have been found for B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Wong IG, et al. (2026) Airway injury induces alveolar epithelial responses mediated by macrophages. *Cell reports*, 45(2), 116881.

Roncero-Carol J, et al. (2025) Epithelial cells provide immunocompetence to the early embryo for bacterial clearance. *Cell host & microbe*, 33(7), 1106.

Glaser KM, et al. (2024) Arp2/3 complex and the pentose phosphate pathway regulate late phases of neutrophil swarming. *iScience*, 27(1), 108656.

Zhang Y, et al. (2024) Long-term mesoscale imaging of 3D intercellular dynamics across a mammalian organ. *Cell*, 187(21), 6104.

Kameyama H, et al. (2023) Needle biopsy accelerates pro-metastatic changes and systemic dissemination in breast cancer: Implications for mortality by surgery delay. *Cell reports. Medicine*, 4(12), 101330.

Mohtashami M, et al. (2022) Thymus Reconstitution in Young and Aged Mice Is Facilitated by In Vitro-Generated Progenitor T Cells. *Frontiers in immunology*, 13, 926773.

McCubbrey AL, et al. (2022) Polyamine import and accumulation causes immunomodulation in macrophages engulfing apoptotic cells. *Cell reports*, 38(2), 110222.

Louie SM, et al. (2022) Progenitor potential of lung epithelial organoid cells in a transplantation model. *Cell reports*, 39(2), 110662.

Wu JW, et al. (2021) Intravital fluorescence microscopy with negative contrast. *PloS one*, 16(8), e0255204.

Goodman S, et al. (2021) Deficiency of the sedoheptulose kinase (Shpk) does not alter the ability of hematopoietic stem cells to rescue cystinosis in the mouse model. *Molecular genetics and metabolism*, 134(4), 309.

Rivera-Rodriguez A, et al. (2021) Tracking adoptive T cell immunotherapy using magnetic particle imaging. *Nanotheranostics*, 5(4), 431.

Tadayon S, et al. (2021) Lymphatic Endothelial Cell Activation and Dendritic Cell Transmigration Is Modified by Genetic Deletion of Clever-1. *Frontiers in immunology*, 12, 602122.

Schippers A, et al. (2021) MAdCAM-1/247 Integrin-Mediated Lymphocyte/Endothelium Interactions Exacerbate Acute Immune-Mediated Hepatitis in Mice. *Cellular and molecular gastroenterology and hepatology*, 11(4), 1227.

Devi S, et al. (2021) Adrenergic regulation of the vasculature impairs leukocyte interstitial migration and suppresses immune responses. *Immunity*, 54(6), 1219.

Gerber D, et al. (2021) Transcriptional profiling of mouse peripheral nerves to the single-cell level to build a sciatic nerve ATlas (SNAT). *eLife*, 10.

Hausmann A, et al. (2021) Intercrypt sentinel macrophages tune antibacterial NF- κ B responses in gut epithelial cells via TNF. *The Journal of experimental medicine*, 218(11).

De Simone G, et al. (2021) Identification of a Kupffer cell subset capable of reverting the T cell dysfunction induced by hepatocellular priming. *Immunity*, 54(9), 2089.

Wang J, et al. (2021) Endothelial Wnts control mammary epithelial patterning via fibroblast signaling. *Cell reports*, 34(13), 108897.

Kato Y, et al. (2020) Multifaceted Effects of Antigen Valency on B Cell Response Composition and Differentiation In Vivo. *Immunity*, 53(3), 548.

Nouet J, et al. (2020) Connexin-43 reduction prevents muscle defects in a mouse model of manifesting Duchenne muscular dystrophy female carriers. *Scientific reports*, 10(1), 5683.