

# Resource Summary Report

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

## B6N.Cg-Sst<sup>tm2.1</sup>(cre)Zjh/J

RRID:IMSR\_JAX:018973

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:018973

### Organism Information

**URL:** <https://www.jax.org/strain/018973>

**Proper Citation:** RRID:IMSR\_JAX:018973

**Description:** Mus musculus with name B6N.Cg-Sst<sup>tm2.1</sup>(cre)Zjh/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: somatostatin|; mutant strain|congenic strain: Sst|

**Affected Gene:** somatostatin|

**Genomic Alteration:** targeted mutation 2.1; Z Josh Huang

**Catalog Number:** JAX:018973

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6N.Cg-Sst<sup>tm2.1</sup>(cre)Zjh/J

**Record Creation Time:** 20250513T053739+0000

**Record Last Update:** 20260808T050944+0000

### Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Sst<sup>tm2.1</sup>(cre)Zjh/J.

No alerts have been found for B6N.Cg-Sst<sup>tm2.1</sup>(cre)Zjh/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Su XY, et al. (2026) A touch-guided neural circuit regulates motivated gnawing to maintain dental alignment. *Neuron*, 114(11), 2020.

Montgomery DP, et al. (2026) Circuit dynamics of binocular conflict in mouse primary visual cortex. *Frontiers in systems neuroscience*, 20, 1786396.

de Sousa LMM, et al. (2026) Loss of GABAergic transmission from somatostatin neurons leads to starvation, which is attenuated by a palatable diet. *Life sciences*, 398, 124455.

Petroccione MA, et al. (2026) An unsuspected physiological role for mGluRIII glutamate receptors in hippocampal area CA1. *Cell reports*, 45(6), 117388.

Raven F, et al. (2026) Dentate gyrus network regulation by somatostatin- and parvalbumin-expressing interneurons differentially impacts spatial memory processing. *iScience*, 29(3), 115067.

Moissidis M, et al. (2025) A postnatal molecular switch drives activity-dependent maturation of parvalbumin interneurons. *Cell*.

Petroccione MA, et al. (2025) An unsuspected physiological role for mGluRIII glutamate receptors in hippocampal area CA1. *bioRxiv : the preprint server for biology*.

Long Z, et al. (2025) Intravital observation of neuronal and immune cell dynamics in the developing mammalian brain. *Cell*.

de Souza GO, et al. (2025) The role of dopamine release and D2 dopamine receptor in GHRH and somatostatin cells in controlling growth hormone secretion. *Frontiers in endocrinology*, 16, 1741139.

de la Torre-Martínez R, et al. (2025) Presynaptic and postsynaptic determinants of claustrum-cortical connectivity. *Current biology : CB*, 35(13), 3174.

Montgomery DP, et al. (2025) Responses to conflicting binocular stimuli in mouse primary visual cortex. *bioRxiv : the preprint server for biology*.

Micoli E, et al. (2025) A single-cell transcriptomic atlas of developing inhibitory neurons reveals expanding and contracting modes of diversification. *bioRxiv : the preprint server for biology*.

Fisher J, et al. (2024) Cortical somatostatin long-range projection neurons and interneurons exhibit divergent developmental trajectories. *Neuron*, 112(4), 558.

Kiritoshi T, et al. (2024) Cells and circuits for amygdala neuroplasticity in the transition to chronic pain. *Cell reports*, 43(9), 114669.

Mòdol L, et al. (2024) Somatostatin interneurons control the timing of developmental desynchronization in cortical networks. *Neuron*, 112(12), 2015.

Heindorf M, et al. (2024) Antipsychotic drugs selectively decorrelate long-range interactions in deep cortical layers. *eLife*, 12.

Huang TH, et al. (2023) Differential expression of GABAA receptor subunits  $\alpha 1$  and  $\alpha 6$  mediates tonic inhibition in parvalbumin and somatostatin interneurons in the mouse hippocampus. *Frontiers in cellular neuroscience*, 17, 1146278.

Hashimoto A, et al. (2023) Microglia enable cross-modal plasticity by removing inhibitory synapses. *Cell reports*, 42(5), 112383.

Dos Santos WO, et al. (2023) Growth Hormone Action in Somatostatin Neurons Regulates Anxiety and Fear Memory. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(40), 6816.

Espinosa N, et al. (2022) Optogenetic Suppression of Lateral Septum Somatostatin Neurons Enhances Hippocampus Cholinergic Theta Oscillations and Local Synchrony. *Brain sciences*, 13(1).