

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 29, 2026

## STOCK Sst<sup>tm2.1(cre)</sup>Zjh/J

RRID:IMSR\_JAX:013044

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:013044

### Organism Information

**URL:** <https://www.jax.org/strain/013044>

**Proper Citation:** RRID:IMSR\_JAX:013044

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

**Species:** Mus musculus

**Notes:** gene symbol note: |somatostatin; mutant stock: |Sst

**Affected Gene:** |somatostatin

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

**Catalog Number:** JAX:013044

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

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

**Record Creation Time:** 20250513T053723+0000

**Record Last Update:** 20260829T045032+0000

### Ratings and Alerts

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

No alerts have been found for STOCK Sst<sup>tm2.1(cre)</sup>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 365 mentions in open access literature.

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

Land M, et al. (2026) Designer indicators for two-photon recording of subthreshold voltage dynamics. bioRxiv : the preprint server for biology.

Kornfeld-Sylla SS, et al. (2026) A human electrophysiological signature of Fragile X pathophysiology is shared in V1 of Fmr1-/y mice. Nature communications, 17(1), 1497.

Dong YP, et al. (2026) GluN2A-NMDA receptor inhibition disinhibits the prefrontal cortex, reduces forced swim immobility, and impairs sensorimotor gating. Acta pharmacologica Sinica, 47(1), 53.

Chen J, et al. (2026) A shared speed encoding model for running and backing away behaviours in segregated neural circuits. Nature communications, 17(1).

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

Wang LH, et al. (2026) Alteration of cellular representation in the central amygdala mediates stress-induced analgesia in mice. Neuron, 114(14), 2641.

Munguba H, et al. (2026) Mechanism-guided identification of antidepressant G protein-coupled receptor drug targets. Cell, 189(9), 2612.

Rolón-Martínez S, et al. (2026) Thalamic reticular neurons provide cell type-specific modulation of sound processing in the auditory thalamus. PLoS biology, 24(3), e3003693.

Shi S, et al. (2026) Circuit and molecular mechanisms underlying incubation of methamphetamine craving in the prelimbic cortex. Neuron, 114(13), 2456.

Hendricks WD, et al. (2026) Feature-tuned synaptic inputs to somatostatin interneurons drive context-dependent processing. Neuron, 114(7), 1257.

Chiu CQ, et al. (2026) SST interneurons facilitate dendritic calcium signaling via tonic activation of  $\gamma$ -GABA receptors. Neuron.

Sugino T, et al. (2026) Subtype-specific modulation of inhibitory interneurons by general anesthetics. iScience, 29(3), 115140.

Mesik L, et al. (2026) Rapid plasticity of default-mode local network architectures following adult-onset blindness. Cell reports, 45(1), 116720.

Li S, et al. (2026) Dual anterior insula-prefrontal cortex circuits mediate chronic stress-induced social interaction deficits. *Neuron*, 114(12), 2237.

Tomioka R, et al. (2026) Anatomical and neurochemical profiles of somatostatin-positive neurons in the mouse inferior colliculus. *Neuroscience*, 601, 179.

Duran M, et al. (2026) The central amygdala gates exogenous glucagon-like peptide 1 signals. *Molecular metabolism*, 110, 102403.

Peelman K, et al. (2026) A standardized and reproducible behavioral framework to elicit multiple aspects of visual spatial attention in mice. *Cell reports methods*, 101514.

Yang Q, et al. (2026) All-optical electrophysiology reveals behavior-dependent dynamics of excitation and inhibition in the hippocampus. *Neuron*, 114(9), 1635.

Bender PTR, et al. (2026) Context-dependent effects of SOM neurons to enhance the responses of corticocollicular neurons to repetitive sounds. *iScience*, 29(5), 115536.

Yang S, et al. (2026) A red-emitting, genetically encoded indicator for two-photon voltage recording in vivo. *bioRxiv : the preprint server for biology*.