

Resource Summary Report

Generated by T1D on Sep 21, 2026

B6J.Cg-Sst^{tm3.1(flpo)}Zjh/AreckJ

RRID:IMSR_JAX:031629

Type: Organism

Proper Citation

RRID:IMSR_JAX:031629

Organism Information

URL: <https://www.jax.org/strain/031629>

Proper Citation: RRID:IMSR_JAX:031629

Description: Mus musculus with name B6J.Cg-Sst^{tm3.1(flpo)}Zjh/AreckJ from IMSR.

Species: Mus musculus

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

Affected Gene: somatostatin|

Genomic Alteration: targeted mutation 3.1; Z Josh Huang

Catalog Number: JAX:031629

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.Cg-Sst^{tm3.1(flpo)}Zjh/AreckJ

Record Creation Time: 20250513T053823+0000

Record Last Update: 20260919T055007+0000

Ratings and Alerts

No rating or validation information has been found for B6J.Cg-Sst^{tm3.1(flpo)}Zjh/AreckJ.

No alerts have been found for B6J.Cg-Sst^{tm3.1(flpo)}Zjh/AreckJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Goode TD, et al. (2026) A dorsal hippocampus-prodynorphinergic dorsolateral septum-to-lateral hypothalamus circuit mediates contextual gating of feeding. *Neuron*, 114(11), 2050.

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.

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.

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

Baumgartner NE, et al. (2026) The lateral septum orchestrates state-dependent modulation of associative threat memory dynamics across the ovarian hormone cycle. *bioRxiv : the preprint server for biology*.

Locantore J, et al. (2025) Mixed representations of choice direction and outcome by GABA/glutamate cotransmitting neurons in the entopeduncular nucleus. *eLife*, 13.

Ding X, et al. (2025) Neuroendocrine circuit for sleep-dependent growth hormone release. *Cell*, 188(18), 4968.

B??ldi R, et al. (2025) Synaptic organization and associative learning-related activity of basolateral amygdala interneurons. *Cell reports*, 44(10), 116295.

Huang S, et al. (2024) Neurogliaform Cells Exhibit Laminar-specific Responses in the Visual Cortex and Modulate Behavioral State-dependent Cortical Activity. *bioRxiv : the preprint server for biology*.

Goode TD, et al. (2024) A dorsal hippocampus-prodynorphinergic dorsolateral septum-to-lateral hypothalamus circuit mediates contextual gating of feeding. *bioRxiv : the preprint server for biology*.

Wang H, et al. (2024) Prefrontal cortical dynorphin peptidergic transmission constrains threat-driven behavioral and network states. *Neuron*, 112(12), 2062.

Lesuis SL, et al. (2024) Stress disrupts engram ensembles in lateral amygdala to generalize threat memory in mice. *Cell*.

Gusmao DO, et al. (2024) Characterization and Regulation of the Neonatal Growth Hormone Surge. *Endocrinology*, 165(12).

Huang S, et al. (2024) Neurogliaform Cells Exhibit Laminar-specific Responses in the Visual Cortex and Modulate Behavioral State-dependent Cortical Activity. *Research square*.

Jeong M, et al. (2024) Viral vector-mediated transgene delivery with novel recombinase systems for targeting neuronal populations defined by multiple features. *Neuron*, 112(1), 56.

de Brito Van Velze M, et al. (2024) Feedforward and disinhibitory circuits differentially control activity of cortical somatostatin interneurons during behavioral state transitions. *Cell reports*, 43(5), 114197.

Ding W, et al. (2024) Nausea-induced suppression of feeding is mediated by central amygdala Dlk1-expressing neurons. *Cell reports*, 43(4), 113990.

Wu SJ, et al. (2023) Cortical somatostatin interneuron subtypes form cell-type-specific circuits. *Neuron*, 111(17), 2675.

Yang J, et al. (2022) Functionally distinct NPAS4-expressing somatostatin interneuron ensembles critical for motor skill learning. *Neuron*, 110(20), 3339.

Pouchelon G, et al. (2022) A versatile viral toolkit for functional discovery in the nervous system. *Cell reports methods*, 2(6), 100225.