

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

B6.Cg-Pvalb^{tm1.1}(cre)Aibs/J

RRID:IMSR_JAX:012358

Type: Organism

Proper Citation

RRID:IMSR_JAX:012358

Organism Information

URL: <https://www.jax.org/strain/012358>

Proper Citation: RRID:IMSR_JAX:012358

Description: Mus musculus with name B6.Cg-Pvalb^{tm1.1}(cre)Aibs/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |parvalbumin; mutant strain|congenic strain: |Pvalb

Affected Gene: |parvalbumin

Genomic Alteration: targeted mutation 1.1; Allen Institute for Brain Science

Catalog Number: JAX:012358

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Pvalb^{tm1.1}(cre)Aibs/J

Record Creation Time: 20250513T053720+0000

Record Last Update: 20260815T050630+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Pvalb^{tm1.1}(cre)Aibs/J.

No alerts have been found for B6.Cg-Pvalb^{tm1.1}(cre)Aibs/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Huang Z, et al. (2026) Single-dose psilocybin promotes cell-type-specific changes of neurons in the orbitofrontal cortex. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 23(1), e00841.

Jeong M, et al. (2026) Distinct interneuronal dynamics selectively gate target-specific cortical projections in drug seeking. *Neuron*, 114(10), 1800.

Ho YY, et al. (2025) Infralimbic parvalbumin neural activity facilitates cued threat avoidance. *eLife*, 12.

Tian J, et al. (2025) Gpr176 modulates the firing pattern of parvalbumin-positive interneurons in the orbitofrontal cortex of mouse. *Molecular brain*, 18(1), 81.

Hazlett MF, et al. (2024) The Perineuronal Net Protein Brevican Acts in Nucleus Accumbens Parvalbumin-expressing Interneurons of Adult Mice to Regulate Excitatory Synaptic Inputs and Motivated Behaviors. *Biological psychiatry*.

Callahan JW, et al. (2024) Movement-related increases in subthalamic activity optimize locomotion. *Cell reports*, 43(8), 114495.

Paniccia JE, et al. (2024) Restoration of a paraventricular thalamo-accumbal behavioral suppression circuit prevents reinstatement of heroin seeking. *Neuron*, 112(5), 772.

Huang Z, et al. (2024) A disinhibitory microcircuit of the orbitofrontal cortex mediates cocaine preference in mice. *Molecular psychiatry*, 29(10), 3160.

Schappe MS, et al. (2024) A vagal reflex evoked by airway closure. *Nature*, 627(8005), 830.

Zhou H, et al. (2023) A sleep-active basalocortical pathway crucial for generation and maintenance of chronic pain. *Nature neuroscience*, 26(3), 458.

Callahan JW, et al. (2023) Movement-related increases in subthalamic activity optimize locomotion. *bioRxiv : the preprint server for biology*.

Lawler AJ, et al. (2022) Machine learning sequence prioritization for cell type-specific enhancer design. *eLife*, 11.

Vollmer KM, et al. (2022) An opioid-gated thalamoaccumbal circuit for the suppression of reward seeking in mice. *Nature communications*, 13(1), 6865.

Kishi KE, et al. (2022) Structural basis for channel conduction in the pump-like channelrhodopsin ChRmine. *Cell*, 185(4), 672.

Callahan JW, et al. (2022) Dysregulation of the Basal Ganglia Indirect Pathway in Early Symptomatic Q175 Huntington's Disease Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(10), 2080.

Gallegos DA, et al. (2022) Cell-type specific transcriptional adaptations of nucleus accumbens interneurons to amphetamine. *Molecular psychiatry*.

Baimel C, et al. (2022) Hippocampal-evoked inhibition of cholinergic interneurons in the nucleus accumbens. *Cell reports*, 40(1), 111042.

He XJ, et al. (2021) Convergent, functionally independent signaling by mu and delta opioid receptors in hippocampal parvalbumin interneurons. *eLife*, 10.

Jiang C, et al. (2021) Morphine coordinates SST and PV interneurons in the prelimbic cortex to disinhibit pyramidal neurons and enhance reward. *Molecular psychiatry*, 26(4), 1178.

Kovaleski RF, et al. (2020) Dysregulation of external globus pallidus-subthalamic nucleus network dynamics in parkinsonian mice during cortical slow-wave activity and activation. *The Journal of physiology*, 598(10), 1897.