

Resource Summary Report

Generated by [ASWG](#) on Sep 1, 2026

STOCK Grm7^{Tg(SMN2)89Ahmb} Smn1 Tg(SMN2*delta7)4299Ahmb/J

RRID:IMSR_JAX:007951

Type: Organism

Proper Citation

RRID:IMSR_JAX:007951

Organism Information

URL: <https://www.jax.org/strain/007951>

Proper Citation: RRID:IMSR_JAX:007951

Description: Mus musculus with name STOCK Grm7^{Tg(SMN2)89Ahmb} Smn1 Tg(SMN2*delta7)4299Ahmb/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Tg(SMN2)89Ahmb Smn1 Tg(SMN2*delta7)4299Ahmb/J. STOCK Smn1 Smn1 Tg(SMN2*delta7)4299Ahmb Tg(SMN2)89Ahmb/J. STOCK Smn1 Tg(SMN2*delta7)4299Ahmb Tg(SMN2)89Ahmb/J

Notes: gene symbol note: glutamate receptor; metabotropic 7|survival of motor neuron 2; centromeric|survival motor neuron 1|transgene insertion 4299; Arthur H M Burghes; mutant stock: Grm7|SMN2|Smn1|Tg(SMN2*delta7)4299Ahmb

Affected Gene: glutamate receptor; metabotropic 7|survival of motor neuron 2; centromeric|survival motor neuron 1|transgene insertion 4299; Arthur H M Burghes

Genomic Alteration: transgene insertion 89; Arthur H M Burghes|transgene insertion 4299; Arthur H M Burghes|targeted mutation 3; Andrew Murphy

Catalog Number: JAX:007951

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: STOCK Grm7^{Tg(SMN2)89Ahmb} Smn1 Tg(SMN2*delta7)4299Ahmb/J

Record Creation Time: 20250513T053705+0000

Record Last Update: 20260829T044957+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Grm7^{Tg(SMN2)89Ahmb} Smn1 Tg(SMN2*delta7)4299Ahmb/J.

No alerts have been found for STOCK Grm7^{Tg(SMN2)89Ahmb} Smn1 Tg(SMN2*delta7)4299Ahmb/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Pagiazitis JG, et al. (2025) Catecholaminergic dysfunction drives postural and locomotor deficits in a mouse model of spinal muscular atrophy. Cell reports, 44(1), 115147.

Ikenaka A, et al. (2023) SMN promotes mitochondrial metabolic maturation during myogenesis by regulating the MYOD-miRNA axis. Life science alliance, 6(3).

Simon CM, et al. (2019) Stasimon Contributes to the Loss of Sensory Synapses and Motor Neuron Death in a Mouse Model of Spinal Muscular Atrophy. Cell reports, 29(12), 3885.