Resource Summary Report

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FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J

RRID:IMSR_JAX:005058
Type: Organism

Proper Citation

RRID:IMSR_JAX:005058

Organism Information

URL: https://www.jax.org/strain/005058

Proper Citation: RRID:IMSR_JAX:005058

Description: Mus musculus with name FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J from IMSR.

Species: Mus musculus

Synonyms: FVB.Cg-Tg(SMN2)2Hung Smn1/J. SMA-like mice line 2

Notes: gene symbol note: survival of motor neuron 2; centromeric|survival motor neuron 1|transgene insertion 2; Hung Li|survival of motor neuron 2; centromeric|survival motor neuron 1|transgene insertion 2; Hung Li; mutant strain: SMN2|Smn1|Tg(SMN2)2Hung|SMN2|Smn1|Tg(SMN2)2Hung

Affected Gene: survival of motor neuron 2; centromeric|survival motor neuron 1|transgene insertion 2; Hung Li|survival of motor neuron 2; centromeric|survival motor neuron 1|transgene insertion 2; Hung Li

Genomic Alteration: transgene insertion 2; Hung Li|targeted mutation 1; Hung Li|transgene insertion 2; Hung Li|transgene insertion 2; Hung Li|targeted mutation 1; Hung Li|transgene insertion 2; Hung Li

Catalog Number: JAX:005058

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Organism Name: FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J

Ratings and Alerts

No rating or validation information has been found for FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J.

No alerts have been found for FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

El Khoury M, et al. (2023) NADPH oxidase 4 inhibition is a complementary therapeutic strategy for spinal muscular atrophy. Frontiers in cellular neuroscience, 17, 1242828.

Meijboom KE, et al. (2022) Dysregulation of Tweak and Fn14 in skeletal muscle of spinal muscular atrophy mice. Skeletal muscle, 12(1), 18.

Marasco LE, et al. (2022) Counteracting chromatin effects of a splicing-correcting antisense oligonucleotide improves its therapeutic efficacy in spinal muscular atrophy. Cell, 185(12), 2057.

Forouhan M, et al. (2022) AR cooperates with SMAD4 to maintain skeletal muscle homeostasis. Acta neuropathologica, 143(6), 713.

Evéquoz D, et al. (2021) 7',5'-alpha-bicyclo-DNA: new chemistry for oligonucleotide exon splicing modulation therapy. Nucleic acids research, 49(21), 12089.

Bora G, et al. (2021) Microtubule-associated protein 1B dysregulates microtubule dynamics and neuronal mitochondrial transport in spinal muscular atrophy. Human molecular genetics, 29(24), 3935.

Setter DO, et al. (2018) Identification of a resilient mouse facial motoneuron population following target disconnection by injury or disease. Restorative neurology and neuroscience, 36(3), 417.

Shan M, et al. (2018) Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. Immunity, 49(4), 709.

Walter LM, et al. (2018) Interventions Targeting Glucocorticoid-Krüppel-like Factor 15-Branched-Chain Amino Acid Signaling Improve Disease Phenotypes in Spinal Muscular Atrophy Mice. EBioMedicine, 31, 226.

O'Hern PJ, et al. (2017) Decreased microRNA levels lead to deleterious increases in neuronal M2 muscarinic receptors in Spinal Muscular Atrophy models. eLife, 6.

Riessland M, et al. (2017) Neurocalcin Delta Suppression Protects against Spinal Muscular Atrophy in Humans and across Species by Restoring Impaired Endocytosis. American journal of human genetics, 100(2), 297.