

Resource Summary Report

Generated by SPARC SAWG on Aug 11, 2026

FVB-Tg(YAC128)53Hay/J

RRID:IMSR_JAX:004938

Type: Organism

Proper Citation

RRID:IMSR_JAX:004938

Organism Information

URL: <https://www.jax.org/strain/004938>

Proper Citation: RRID:IMSR_JAX:004938

Description: Mus musculus with name FVB-Tg(YAC128)53Hay/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 53; Michael Hayden|huntingtin; mutant strain: Tg(YAC128)53Hay|HTT

Affected Gene: transgene insertion 53; Michael Hayden|huntingtin

Genomic Alteration: transgene insertion 53; Michael Hayden

Catalog Number: JAX:004938

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB-Tg(YAC128)53Hay/J

Record Creation Time: 20250513T053647+0000

Record Last Update: 20260808T050849+0000

Ratings and Alerts

No rating or validation information has been found for FVB-Tg(YAC128)53Hay/J.

No alerts have been found for FVB-Tg(YAC128)53Hay/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Chambon J, et al. (2023) Early TNF-Dependent Regulation of Excitatory and Inhibitory Synapses on Striatal Direct Pathway Medium Spiny Neurons in the YAC128 Mouse Model of Huntington's Disease. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(4), 672.

Dahlenburg H, et al. (2021) A novel Huntington's disease mouse model to assess the role of neuroinflammation on disease progression and to develop human cell therapies. Stem cells translational medicine, 10(7), 1033.

Naia L, et al. (2021) Neuronal cell-based high-throughput screen for enhancers of mitochondrial function reveals luteolin as a modulator of mitochondria-endoplasmic reticulum coupling. BMC biology, 19(1), 57.

Hamilton J, et al. (2019) Mutant huntingtin fails to directly impair brain mitochondria. Journal of neurochemistry, 151(6), 716.

Disatnik MH, et al. (2016) Potential biomarkers to follow the progression and treatment response of Huntington's disease. The Journal of experimental medicine, 213(12), 2655.

Madison JL, et al. (2012) Disease-toxicant interactions in manganese exposed Huntington disease mice: early changes in striatal neuron morphology and dopamine metabolism. PloS one, 7(2), e31024.

Battaglia G, et al. (2011) Early defect of transforming growth factor β 1 formation in Huntington's disease. Journal of cellular and molecular medicine, 15(3), 555.