

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

FVB.B10ScSn-*Dmd*^{mdx} Tg(Myh6-DMD*)271Dua/Mmjax

RRID:MMRRC_041198-JAX

Type: Organism

Proper Citation

RRID:MMRRC_041198-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=41198

Proper Citation: RRID:MMRRC_041198-JAX

Description: Mus musculus with name FVB.B10ScSn-*Dmd*^{mdx} Tg(Myh6-DMD*)271Dua/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Cell Biology, Models for Human Disease; Mutation Type: Transgenic ; Collection:

Phenotype: kyphosis [MP:0000160]| increased monocyte cell number [MP:0000220]| decreased neutrophil cell number [MP:0000222]| enlarged heart [MP:0000274]| abnormal myocardial fiber morphology [MP:0000278]| decreased granulocyte number [MP:0000334]| abnormal hindlimb morphology [MP:0000556]| absent CD8-positive [MP:0000727]| alpha-beta T cells [MP:0000729]| abnormal myogenesis [MP:0000733]| abnormal muscle development [MP:0000745]| tremors [MP:0000746]| weakness [MP:0000747]| muscle weakness [MP:0000748]| progressive muscle weakness [MP:0000749]| muscle degeneration [MP:0000750]| abnormal muscle regeneration [MP:0000751]| myopathy [MP:0000752]| dystrophic muscle [MP:0000759]| abnormal skeletal muscle morphology [MP:0000761]| thin diaphragm muscle [MP:0001053]| abnormal neuromuscular synapse morphology [MP:0001262]| decreased body weight [MP:0001263]| weight loss [MP:0001264]| increased body size [MP:0001265]| decreased body size [MP:0001402]| hypoactivity [MP:0001405]| impaired coordination [MP:0001406]| abnormal gait [MP:0001407]| short stride length [MP:0001504]| abnormal posture [MP:0001515]| abnormal grip strength [MP:0001732]| postnatal growth retardation [MP:0001853]| heart inflammation [MP:0001921]| reduced fertility [MP:0001923]| reduced female fertility [MP:0001951]| abnormal breathing pattern [MP:0001953]| respiratory failure [MP:0002066]| abnormal motor capabilities/coordination/movement [MP:0002083]| premature death [MP:0002106]| abnormal muscle physiology [MP:0002108]| abnormal

muscle morphology [MP:0002109]| abnormal limb morphology [MP:0002269]| muscular atrophy [MP:0002279]| abnormal diaphragm morphology [MP:0002280]| abnormal intercostal muscle morphology [MP:0002795]| dilated cardiomyopathy [MP:0002833]| increased heart weight [MP:0002837]| dystrophic cardiac calcinosis [MP:0002841]| impaired skeletal muscle contractility [MP:0002899]| fatigue [MP:0002953]| thick ventricular wall [MP:0003061]| decreased aerobic running capacity [MP:0003084]| abnormal skeletal muscle fiber morphology [MP:0003105]| abnormal heart atrium morphology [MP:0003141]| cardiac fibrosis [MP:0003155]| abnormal telomere length [MP:0003157]| impaired muscle relaxation [MP:0003199]| calcified muscle [MP:0003358]| abnormal hypaxial muscle morphology [MP:0003393]| decreased cardiac output [MP:0003790]| absent CD4-positive [MP:0003833]| alpha beta T cells [MP:0003851]| decreased satellite cell number [MP:0003852]| skeletal muscle interstitial fibrosis [MP:0003884]| skeletal muscle necrosis [MP:0004036]| decreased macrophage cell number [MP:0004087]| abnormal muscle relaxation [MP:0004089]| abnormal muscle fiber morphology [MP:0004121]| dilated sarcoplasmic reticulum [MP:0004142]| abnormal sarcolemma morphology [MP:0004145]| abnormal muscle tone [MP:0004174]| abnormal muscle electrophysiology [MP:0004232]| abnormal spine curvature [MP:0004248]| decreased muscle weight [MP:0004262]| abnormal epaxial muscle morphology [MP:0004510]| abnormal physical strength [MP:0004564]| myositis [MP:0004566]| enlarged myocardial fiber [MP:0004597]| myocardial fiber degeneration [MP:0004703]| increased susceptibility to noise-induced hearing loss [MP:0004818]| abnormal vertebral column morphology [MP:0004819]| increased skeletal muscle mass [MP:0004973]| decreased skeletal muscle mass [MP:0005015]| increased regulatory T cell number [MP:0005017]| increased T cell number [MP:0005018]| decreased B cell number [MP:0005137]| decreased T cell number [MP:0005140]| increased growth hormone level [MP:0005165]| decreased cardiac muscle contractility [MP:0005294]| increased susceptibility to injury [MP:0005330]| abnormal heart ventricle morphology [MP:0005425]| cardiomyopathy [MP:0005608]| increased macrophage cell number [MP:0005620]| cardiac interstitial fibrosis [MP:0006085]| abnormal muscle contractility [MP:0008327]| myocardial necrosis [MP:0008416]| abnormal corticotroph morphology [MP:0008560]| increased somatotroph cell size [MP:0008566]| increased tumor necrosis factor secretion [MP:0008663]| increased interferon-gamma secretion [MP:0008687]| increased interleukin-12 secretion [MP:0008699]| increased interleukin-2 secretion [MP:0008705]| increased interleukin-4 secretion [MP:0008837]| increased interleukin-6 secretion [MP:0008838]| increased transforming growth factor level [MP:0008866]| decreased transforming growth factor level [MP:0008874]| chromosomal instability [MP:0009398]| decreased physiological sensitivity to xenobiotic [MP:0009399]| abnormal skeletal muscle fiber size [MP:0009400]| increased skeletal muscle fiber size [MP:0009401]| decreased skeletal muscle fiber size [MP:0009402]| increased skeletal muscle fiber diameter [MP:0009403]| decreased skeletal muscle fiber diameter [MP:0009404]| increased variability of skeletal muscle fiber size [MP:0009405]| centrally nucleated skeletal muscle fibers [MP:0009406]| increased skeletal muscle fiber number [MP:0009410]| decreased skeletal muscle fiber number [MP:0009412]| abnormal skeletal muscle satellite cell proliferation [MP:0009413]| skeletal muscle fiber degeneration [MP:0009414]| skeletal muscle fiber atrophy [MP:0009415]| skeletal muscle fiber necrosis [MP:0009416]| skeletal muscle degeneration [MP:0009417]| cardiac muscle degeneration [MP:0009419]| skeletal muscle atrophy [MP:0009420]| skeletal muscle fibrosis [MP:0009461]| skeletal muscle endomysial fibrosis [MP:0010024]| skeletal muscle hypertrophy [MP:0010053]| increased total body fat amount [MP:0010090]| decreased grip strength [MP:0010106]| increased circulating creatine kinase level [MP:0010226]| abnormal circulating pyruvate kinase level

[MP:0010227] increased quadriceps weight [MP:0010238] decreased quadriceps weight [MP:0010239] increased skeletal muscle weight [MP:0010252] decreased skeletal muscle weight [MP:0010254] anterior subcapsular cataracts [MP:0010581] nuclear cataracts [MP:0010632] abnormal atrium myocardial trabeculae morphology [MP:0011086] cardiac muscle necrosis [MP:0011952] postnatal lethality [MP:0011966] incomplete penetrance [MP:0011967] decreased cardiac stroke volume [MP:0012106] abnormal auditory brainstem response waveform shape [MP:0013237] increased or absent threshold for auditory brainstem response [MP:0013467] impaired exercise endurance [MP:0014143] abnormal skeletal muscle regeneration [MP:0020309] diaphragmitis [MP:0030428]

Affected Gene: Myh6|DMD|Dmd|

Catalog Number: 041198-JAX

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:6583703](#)

Alternate IDs: MMRRC_41198-JAX, MMRRC_041198, MMRRC_41198

Organism Name: FVB.B10ScSn-*Dmd*^{mdx} Tg(Myh6-DMD*)271Dua/Mmjax

Record Creation Time: 20230308T055217+0000

Record Last Update: 20260829T123904+0000

Ratings and Alerts

No rating or validation information has been found for FVB.B10ScSn-*Dmd*^{mdx} Tg(Myh6-DMD*)271Dua/Mmjax.

No alerts have been found for FVB.B10ScSn-*Dmd*^{mdx} Tg(Myh6-DMD*)271Dua/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.