

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

B6.129S6-Myc^{tm2Fwa}/Mmjax

RRID:MMRRC_032046-JAX

Type: Organism

Proper Citation

RRID:MMRRC_032046-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32046

Proper Citation: RRID:MMRRC_032046-JAX

Description: Mus musculus with name B6.129S6-Myc^{tm2Fwa}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal malleus morphology [MP:0000029]| abnormal frontal bone morphology [MP:0000107]| abnormal parietal bone morphology [MP:0000109]| belly spot [MP:0000373]| short snout [MP:0000445]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| no abnormal phenotype detected [MP:0002169]| variable body spotting [MP:0002940]| abnormal coronal suture morphology [MP:0003840]| small nasal bone [MP:0004470]| short nasal bone [MP:0004471]| abnormal auditory brainstem response [MP:0004738]| decreased B cell proliferation [MP:0005093]| abnormal middle ear ossicle morphology [MP:0005105]| small cranium [MP:0005352]| conductive hearing impairment [MP:0006326]| absent pinna reflex [MP:0006358]| small malleus [MP:0008372]| short malleus manubrium [MP:0008375]| small malleus manubrium [MP:0008376]| decreased spleen germinal center size [MP:0008484]

Affected Gene: Myc

Catalog Number: 032046-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:11163229](#), [PMID:15857952](#)

Alternate IDs: MMRRC_32046-JAX, MMRRC_032046, MMRRC_3246

Organism Name: B6.129S6-*Myc*^{tm2Fwa}/Mmjax

Record Creation Time: 20230308T055126+0000

Record Last Update: 20260801T124233+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6-*Myc*^{tm2Fwa}/Mmjax.

No alerts have been found for B6.129S6-*Myc*^{tm2Fwa}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Ham DJ, et al. (2025) Muscle fiber Myc is dispensable for muscle growth and its forced expression severely perturbs homeostasis. Nature communications, 16(1), 3190.

Singh VP, et al. (2023) Myc promotes polyploidy in murine trophoblast cells and suppresses senescence. Development (Cambridge, England), 150(11).

Wang H, et al. (2023) Premature aging and reduced cancer incidence associated with near-complete body-wide Myc inactivation. Cell reports, 42(8), 112830.

Bae S, et al. (2021) MYC-mediated early glycolysis negatively regulates proinflammatory responses by controlling IRF4 in inflammatory macrophages. Cell reports, 35(11), 109264.