

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.