

Resource Summary Report

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

B6;129S4-*Atm*^{*tm1Fwa*}/Mmucd

RRID:MMRRC_014115-UCD

Type: Organism

Proper Citation

RRID:MMRRC_014115-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=14115

Proper Citation: RRID:MMRRC_014115-UCD

Description: Mus musculus with name B6;129S4-*Atm*^{*tm1Fwa*}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Immunology and Inflammation, Models for Human Disease, Neurobiology, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased thymocyte number [MP:0000715]| abnormal Purkinje cell morphology [MP:0000877]| ectopic Purkinje cell [MP:0000885]| thin cerebellar molecular layer [MP:0000890]| decreased body weight [MP:0001262]| hypoactivity [MP:0001402]| postnatal growth retardation [MP:0001732]| male infertility [MP:0001925]| female infertility [MP:0001926]| increased cellular sensitivity to gamma-irradiation [MP:0002007]| increased T cell derived lymphoma incidence [MP:0002024]| premature death [MP:0002083]| abnormal pluripotent precursor cell morphology [MP:0002399]| abnormal motor learning [MP:0002804]| embryonic growth retardation [MP:0003984]| spontaneous chromosome breakage [MP:0004029]| abnormal class switch recombination [MP:0004816]| decreased lymphocyte cell number [MP:0005016]| decreased T cell number [MP:0005018]| decreased pre-B cell number [MP:0008209]| decreased immature B cell number [MP:0008215]| abnormal Purkinje cell dendrite morphology [MP:0008572]| chromosomal instability [MP:0008866]| decreased splenocyte number [MP:0009339]| embryonic lethality during organogenesis [MP:0011098]| complete penetrance [MP:0011106]| embryonic lethality between implantation and somite formation [MP:0012556]

Affected Gene: *Atm*

Catalog Number: 014115-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10716718](#)

Alternate IDs: MMRRC_14115-UCD, MMRRC_014115, MMRRC_14115

Organism Name: B6;129S4-*Atm*^{tm1Fwa}/Mmucd

Record Creation Time: 20230308T054926+0000

Record Last Update: 20260801T123640+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S4-*Atm*^{tm1Fwa}/Mmucd.

No alerts have been found for B6;129S4-*Atm*^{tm1Fwa}/Mmucd.

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.