

# Resource Summary Report

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## Mouse Phylogeny Viewer

RRID:SCR\_014071

Type: Tool

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### Proper Citation

Mouse Phylogeny Viewer (RRID:SCR\_014071)

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### Resource Information

**URL:** <http://msub.csbio.unc.edu/>

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**Description:** A custom genome browser which provides detailed answers to questions on the haplotype diversity and phylogenetic origin of the genetic variation underlying any genomic region of most laboratory strains of mice (both classical and wild-derived). Users can select a region of the genome and a set of laboratory strains and/or wild caught mice. The region is selected by specifying the start (e.g. 31200000 or 31200K or 31.2M), and end of the interval and the chromosome (i.e, autosome number and X chromosome). Samples can be selected by name or by entire set. Data sets include information on subspecific origin, heterozygosity regions, and haplotype coloring, among others.

**Resource Type:** database, data or information resource

**Defining Citation:** [PMID:22536897](#)

**Keywords:** mouse, genetic, software, phylogeny, browser

**Funding:** NHGRI P50 HG 006582;  
NIAID U54 AI 081680;  
NSF ISS 0534580

**Resource Name:** Mouse Phylogeny Viewer

**Resource ID:** SCR\_014071

**Record Creation Time:** 20220129T080318+0000

**Record Last Update:** 20260819T044342+0000

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### Ratings and Alerts

No rating or validation information has been found for Mouse Phylogeny Viewer.

No alerts have been found for Mouse Phylogeny Viewer.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Lam O, et al. (2025) Intact, recombinant, and spliced forms of endogenous mouse mammary tumor viruses in inbred and wild mice. *Journal of virology*, 99(4), e0007925.

Wolstenholme JT, et al. (2025) Variation of Myelin-associated Gene Expression and *Ndr1* within the Prefrontal Cortex as Determinants for Initial Level of Response to Alcohol. *bioRxiv : the preprint server for biology*.

Majhi PD, et al. (2021) Genetic modifiers regulating DNA replication and double-strand break repair are associated with differences in mammary tumors in mouse models of Li-Fraumeni syndrome. *Oncogene*, 40(31), 5026.

Boso G, et al. (2021) Patterns of Coevolutionary Adaptations across Time and Space in Mouse Gammaretroviruses and Three Restrictive Host Factors. *Viruses*, 13(9).

Mukaj A, et al. (2020) *Prdm9* Intersubspecific Interactions in Hybrid Male Sterility of House Mouse. *Molecular biology and evolution*, 37(12), 3423.

Branca JA, et al. (2020) Loss of TRP53 (p53) accelerates tumorigenesis and changes the tumor spectrum of SJL/J mice. *Genes & cancer*, 11(1-2), 83.

Widmayer SJ, et al. (2020) Age and Genetic Background Modify Hybrid Male Sterility in House Mice. *Genetics*, 216(2), 585.

Skorski M, et al. (2019) Distribution of endogenous gammaretroviruses and variants of the *Fv1* restriction gene in individual mouse strains and strain subgroups. *PloS one*, 14(7), e0219576.

Bamunusinghe D, et al. (2018) Xenotropic Mouse Gammaretroviruses Isolated from Pre-Leukemic Tissues Include a Recombinant. *Viruses*, 10(8).

Booker TR, et al. (2017) The Recombination Landscape in Wild House Mice Inferred Using Population Genomic Data. *Genetics*, 207(1), 297.

Makhanova N, et al. (2017) Genetic architecture of atherosclerosis dissected by QTL analyses in three F2 intercrosses of apolipoprotein E-null mice on C57BL6/J, DBA/2J and 129S6/SvEvTac backgrounds. *PloS one*, 12(8), e0182882.