Resource Summary Report

Generated by NIF on Apr 20, 2025

European Mouse Mutant Archive

RRID:SCR_006136
Type: Tool

Proper Citation

European Mouse Mutant Archive (RRID:SCR_006136)

Resource Information

URL: https://www.infrafrontier.eu/emma/

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Description: Non-profit repository for the collection, archiving (via cryopreservation) and distribution of relevant mutant strains essential for basic biomedical research. Users may browse by strain, gene, phenotype, or human disease. Its primary objective is to establish and manage a unified repository for maintaining medically relevant mouse mutants and making them available to the scientific community. Therefore, EMMA archives mutant strains and distributes them to requesting researchers. EMMA also hosts courses in cryopreservation, to promote the use and dissemination of frozen embryos and spermatozoa. Dissemination of knowledge is further fostered by a dedicated resource database. Anybody who wants their mutant mouse strains cryopreserved may deposit strains with EMMA. However depositors must be aware that these strains become freely available to other researchers after being deposited.With more than 8400 mutant mouse strains and asmall but increasing number of rat mutant strains available, EMMA is the primary mouse repository in Europe and the third largest non-profit repository worldwide.

Abbreviations: EMMA

Synonyms: European Mouse Mutant Archive - EMMA, European Mouse Mutant Archive (EMMA)

Resource Type: biomaterial supply resource, material resource, organism supplier

Defining Citation: PMID:19783817, PMID:17709347

Keywords: RIN, Resource Information Network, mutant mouse repository, mouse, mutant strain, mutant mouse strain,

Funding: partner institutions ;
national research programmes ;
European Union

Availability: Public, Free to researchers

Resource Name: European Mouse Mutant Archive

Resource ID: SCR_006136

Alternate IDs: nlx_151625

Alternate URLs: https://www.infrafrontier.eu

Old URLs: emmanet.org

Record Creation Time: 20220129T080234+0000

Record Last Update: 20250420T014314+0000

Ratings and Alerts

No rating or validation information has been found for European Mouse Mutant Archive.

No alerts have been found for European Mouse Mutant Archive.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 49 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Sangar D, et al. (2024) Syntaxin-6 delays prion protein fibril formation and prolongs the presence of toxic aggregation intermediates. eLife, 13.

Kibalnyk Y, et al. (2024) The chromatin regulator Ankrd11 controls cardiac neural crest cell-mediated outflow tract remodeling and heart function. Nature communications, 15(1), 4632.

Kincaid JWR, et al. (2024) The gastrointestinal tract is a major source of the acute metformin-

stimulated rise in GDF15. Scientific reports, 14(1), 1899.

Holl D, et al. (2024) Distinct origin and region-dependent contribution of stromal fibroblasts to fibrosis following traumatic injury in mice. Nature neuroscience, 27(7), 1285.

Nedomova M, et al. (2024) DDI2 protease controls embryonic development and inflammation via TCF11/NRF1. iScience, 27(10), 110893.

Das D, et al. (2024) Loss-of-function of RNA-binding protein PRRC2B causes translational defects and congenital cardiovascular malformation. medRxiv : the preprint server for health sciences.

Moorwood K, et al. (2024) Imprinted Grb10, encoding growth factor receptor bound protein 10, regulates fetal growth independently of the insulin-like growth factor type 1 receptor (Igf1r) and insulin receptor (Insr) genes. BMC biology, 22(1), 127.

Tomar A, et al. (2024) Epigenetic inheritance of diet-induced and sperm-borne mitochondrial RNAs. Nature, 630(8017), 720.

Barbayianni I, et al. (2023) SRC and TKS5 mediated podosome formation in fibroblasts promotes extracellular matrix invasion and pulmonary fibrosis. Nature communications, 14(1), 5882.

Bygrave AM, et al. (2023) Btbd11 supports cell-type-specific synaptic function. Cell reports, 42(6), 112591.

David R, et al. (2023) "Be sustainable": EOSC-Life recommendations for implementation of FAIR principles in life science data handling. The EMBO journal, 42(23), e115008.

Shen L, et al. (2022) SLC38A2 provides proline to fulfill unique synthetic demands arising during osteoblast differentiation and bone formation. eLife, 11.

Szymanska K, et al. (2022) Regulation of canonical Wnt signalling by the ciliopathy protein MKS1 and the E2 ubiquitin-conjugating enzyme UBE2E1. eLife, 11.

Sun RC, et al. (2021) Brain glycogen serves as a critical glucosamine cache required for protein glycosylation. Cell metabolism, 33(7), 1404.

Niborski LL, et al. (2021) Hnf1b haploinsufficiency differentially affects developmental target genes in a new renal cysts and diabetes mouse model. Disease models & mechanisms, 14(5).

van der Weyden L, et al. (2021) CRISPR activation screen in mice identifies novel membrane proteins enhancing pulmonary metastatic colonisation. Communications biology, 4(1), 395.

Zhang Y, et al. (2020) An Essential Requirement for Fgf10 in Pinna Extension Sheds Light on Auricle Defects in LADD Syndrome. Frontiers in cell and developmental biology, 8, 609643.

Ye G, et al. (2020) Nuclear MYH9-induced CTNNB1 transcription, targeted by staurosporin, promotes gastric cancer cell anoikis resistance and metastasis. Theranostics, 10(17), 7545.

Perkail S, et al. (2020) BAP1 is a haploinsufficient tumor suppressor linking chronic pancreatitis to pancreatic cancer in mice. Nature communications, 11(1), 3018.

Brown SDM, et al. (2020) Precision and Functional Genomics. Mammalian genome : official journal of the International Mammalian Genome Society, 31(1-2), 1.