

Resource Summary Report

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[mAdb](#)

RRID:SCR_006677

Type: Tool

Proper Citation

mAdb (RRID:SCR_006677)

Resource Information

URL: <https://madb.nci.nih.gov/>

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Description: Microarray data management and analysis system for NCI / Center for Cancer Research scientists / collaborators. Data is secured and backed up on a regular basis, and investigators can authorize levels of access privileges to their projects, allowing data privacy while still enabling data sharing with collaborators.

Abbreviations: mAdb

Synonyms: Mad Bee, microArray database, Micro-array Database at the National Cancer Institute, NCI/CIT microArray database

Resource Type: service resource, data repository, data analysis service, storage service resource, data or information resource, database, production service resource, analysis service resource

Defining Citation: [PMID:14728569](#)

Keywords: microarray, bioinformatics, data management, analysis, gene expression, affymetrix, image, alignment, gene array list, cdna, oligonucleotide, gene discovery, prediction, comparison, cancer, FASEB list

Funding: Center for Information Technology

Availability: Account required, Restricted to NIH users/collaborators, The community can contribute to this resource

Resource Name: mAdb

Resource ID: SCR_006677

Alternate IDs: nif-0000-00171

Alternate URLs: <http://nciarray.nci.nih.gov/>

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260731T042727+0000

Ratings and Alerts

No rating or validation information has been found for mAdb.

No alerts have been found for mAdb.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Knospe CV, et al. (2025) Structural insights into the substrate binding mechanism of the class I dehydratase MadB. *Communications biology*, 8(1), 1032.

Yan M, et al. (2025) Functional disparities of malonyl-ACP decarboxylase between *Xanthomonas campestris* and *Xanthomonas oryzae*. *Applied and environmental microbiology*, 91(5), e0243624.

Perez-Diez A, et al. (2022) Neoantigen Presentation and IFN γ Signaling on the Same Tumor-associated Macrophage are Necessary for CD4 T Cell-mediated Antitumor Activity in Mice. *Cancer research communications*, 2(5), 316.

Briggs-Gonzalez VS, et al. (2021) American crocodiles (*Crocodylus acutus*) as restoration bioindicators in the Florida Everglades. *PloS one*, 16(5), e0250510.

Dahlmann M, et al. (2021) Combination of Wnt/ β -Catenin Targets S100A4 and DKK1 Improves Prognosis of Human Colorectal Cancer. *Cancers*, 14(1).

Weber KS, et al. (2021) A comparative analysis of the intrauterine transcriptome in fertile and subfertile mares using cytobrush sampling. *BMC genomics*, 22(1), 377.

Kang SG, et al. (2021) Th2 Cytokines Increase the Expression of Fibroblast Growth Factor 21 in the Liver. *Cells*, 10(6).

Elouej S, et al. (2020) Loss of MTX2 causes mandibuloacral dysplasia and links mitochondrial dysfunction to altered nuclear morphology. *Nature communications*, 11(1), 4589.

Cappelli C, et al. (2020) Ski Is Required for Tri-Methylation of H3K9 in Major Satellite and for Repression of Pericentromeric Genes: Mmp3, Mmp10 and Mmp13, in Mouse Fibroblasts. *Journal of molecular biology*, 432(10), 3222.

Hitzert MM, et al. (2019) Mandibuloacral dysplasia type B (MADB): a cohort of eight patients from Suriname with a homozygous founder mutation in ZMPSTE24 (FACE1), clinical diagnostic criteria and management guidelines. *Orphanet journal of rare diseases*, 14(1), 294.

Ren J, et al. (2018) Comparison of human bone marrow stromal cells cultured in human platelet growth factors and fetal bovine serum. *Journal of translational medicine*, 16(1), 65.

Hilbert T, et al. (2018) Synthetic CpG oligonucleotides induce a genetic profile ameliorating murine myocardial I/R injury. *Journal of cellular and molecular medicine*, 22(7), 3397.

Oakley MS, et al. (2018) TCR γ -expressing macrophages induced by a pathogenic murine malaria correlate with parasite burden and enhanced phagocytic activity. *PloS one*, 13(7), e0201043.

Gupta P, et al. (2017) Differential host gene responses from infection with neurovirulent and partially-neurovirulent strains of Venezuelan equine encephalitis virus. *BMC infectious diseases*, 17(1), 309.

Player A, et al. (2017) Identification of candidate genes associated with triple negative breast cancer. *Genes & cancer*, 8(7-8), 659.

Oakley MS, et al. (2016) Molecular Markers of Radiation Induced Attenuation in Intrahepatic *Plasmodium falciparum* Parasites. *PloS one*, 11(12), e0166814.

Urzúa U, et al. (2016) Dysregulation of mitotic machinery genes precedes genome instability during spontaneous pre-malignant transformation of mouse ovarian surface epithelial cells. *BMC genomics*, 17(Suppl 8), 728.

Hilbert T, et al. (2015) Synergistic Stimulation with Different TLR7 Ligands Modulates Gene Expression Patterns in the Human Plasmacytoid Dendritic Cell Line CAL-1. *Mediators of inflammation*, 2015, 948540.

Massa C, et al. (2015) Different maturation cocktails provide dendritic cells with different chemoattractive properties. *Journal of translational medicine*, 13, 175.

Wang VP, et al. (2015) Microarray and Proteomic Analyses of Myeloproliferative Neoplasms with a Highlight on the mTOR Signaling Pathway. *PloS one*, 10(8), e0135463.