

Resource Summary Report

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Magic

RRID:SCR_006406

Type: Tool

Proper Citation

Magic (RRID:SCR_006406)

Resource Information

URL: <http://bioinformatics.intec.ugent.be/magic/>

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Description: Web based interface for exploring and analyzing a comprehensive maize-specific cross-platform expression compendium. This compendium was constructed by collecting, homogenizing and formally annotating publicly available microarrays from Gene Expression Omnibus (GEO), and ArrayExpress.

Abbreviations: MAGIC

Synonyms: MAGIC - MAize Gene expression Compendium, MAize Gene expression Compendium

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

Defining Citation: [PMID:24407224](#)

Keywords: gene expression, microarray, development stage, annotation, line, perturbation, gene, contrast, pathway, locus tag, bio.tools, FASEB list

Resource Name: Magic

Resource ID: SCR_006406

Alternate IDs: biotools:magic, OMICS_02206

Alternate URLs: <https://bio.tools/magic>

Record Creation Time: 20220129T080236+0000

Record Last Update: 20260804T043304+0000

Ratings and Alerts

No rating or validation information has been found for Magic.

No alerts have been found for Magic.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 706 mentions in open access literature.

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

Dibaeinia P, et al. (2025) Interpretable AI for inference of causal molecular relationships from omics data. *Science advances*, 11(7), eadk0837.

Mucalo Katunaric L, et al. (2025) Molecular inflammatory expression profiles associated with the frequency of pain in individuals with sickle cell disease. *Blood advances*, 9(15), 3790.

König J, et al. (2025) Myeloid Mir34a suppresses colitis-associated colon cancer: characterization of mediators by single-cell RNA sequencing. *Cell death and differentiation*, 32(2), 225.

Plutenko I, et al. (2025) MRI-Seed-Wizard: combining deep learning algorithms with magnetic resonance imaging enables advanced seed phenotyping. *Journal of experimental botany*, 76(2), 393.

Yan Q, et al. (2025) Spatial histology and gene-expression representation and generative learning via online self-distillation contrastive learning. *Briefings in bioinformatics*, 26(4).

Li L, et al. (2025) Magnetically induced magnetosome chain (MAGiC): A biogenic magnetic-particle-imaging tracer with high performance and navigability. *Science advances*, 11(31), eadv2485.

Saelens W, et al. (2025) ChromatinHD connects single-cell DNA accessibility and conformation to gene expression through scale-adaptive machine learning. *Nature communications*, 16(1), 317.

Kong J, et al. (2025) Efficacy and safety of olverembatinib as maintenance therapy after allogeneic hematopoietic cell transplantation in Philadelphia chromosome-positive acute lymphoblastic leukemia. *Annals of hematology*, 104(1), 801.

Zhao M, et al. (2025) ANGPTL3 orchestrates hepatic fructose sensing and metabolism. *Cell reports*, 44(7), 115962.

Ma Z, et al. (2025) Diagnostic value of [18F]PSMA-1007 PET/CT based on PRIMARY score combined with mpMRI in clinically significant prostate cancer. *Frontiers in oncology*, 15, 1589212.

Borchert F, et al. (2025) High-precision information retrieval for rapid clinical guideline updates. *NPJ digital medicine*, 8(1), 227.

Atkins K, et al. (2025) Unlocking the power of AI for phenotyping fruit morphology in *Arabidopsis*. *GigaScience*, 14.

Le Grand S, et al. (2025) HLA evolutionary divergence score after donor lymphocyte infusion following allogeneic hematopoietic stem cell transplantation. *HemaSphere*, 9(2), e70088.

Hirschel T, et al. (2025) Clinicians' experience with infographic summaries from the BMJ Rapid Recommendations: a qualitative user-testing study among residents and interns at a large teaching hospital in Switzerland. *BMJ open*, 15(2), e083032.

Soler-Garzón A, et al. (2025) Mapping resistance to *Sclerotinia* white mold in two pinto bean recombinant inbred line populations. *The plant genome*, 18(1), e20538.

Moya-Sáez E, et al. (2025) Brain tumor enhancement prediction from pre-contrast conventional weighted images using synthetic multiparametric mapping and generative artificial intelligence. *Quantitative imaging in medicine and surgery*, 15(1), 42.

Giordano U, et al. (2025) Impact of First- and Second-Generation Tyrosine Kinase Inhibitors on the Development of Graft-Versus-Host Disease in Individuals with Chronic Myeloid Leukemia: A Retrospective Analysis on Behalf of the Polish Adult Leukemia Group. *Biomedicines*, 13(1).

Crnkovic S, et al. (2025) Adventitial fibroblasts direct smooth muscle cell-state transition in pulmonary vascular disease. *eLife*, 13.

Cheng D, et al. (2025) Synthetic MRI study of brain volume and subcortical myelin in various Parkinson's disease motor subtypes. *NPJ Parkinson's disease*, 11(1), 255.

Moorman A, et al. (2025) Progressive plasticity during colorectal cancer metastasis. *Nature*, 637(8047), 947.