

Resource Summary Report

Generated by [ASWG](#) on Aug 27, 2026

MAGENTA

RRID:SCR_003422

Type: Tool

Proper Citation

MAGENTA (RRID:SCR_003422)

Resource Information

URL: <http://www.broadinstitute.org/mpg/magenta/>

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Description: A computational tool that tests for enrichment of genetic associations in predefined biological processes or sets of functionally related genes, using genome-wide genetic data as input.

Abbreviations: MAGENTA

Synonyms: Meta-Analysis Gene-set Enrichment of variaNT Associations

Resource Type: software resource

Defining Citation: [PMID:20714348](#)

Availability: Free, Available for download, Freely available

Resource Name: MAGENTA

Resource ID: SCR_003422

Alternate IDs: OMICS_00236

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260815T182230+0000

Ratings and Alerts

No rating or validation information has been found for MAGENTA.

No alerts have been found for MAGENTA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 141 mentions in open access literature.

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

Van Maele C, et al. (2026) Introducing gold-standard essential gene datasets for *Pseudomonas aeruginosa* to enhance Tn-Seq analyses. *PLoS computational biology*, 22(2), e1013945.

Weihrich KS, et al. (2025) Relating Photoperiod and Outdoor Temperature With Sleep Architecture in Patients With Neuropsychiatric Sleep Disorders. *Journal of pineal research*, 77(1), e70030.

Hamami E, et al. (2025) Identification of determinants that allow maintenance of high-level fluoroquinolone resistance in *Acinetobacter baumannii*. *mBio*, 16(1), e0322124.

Durrani Z, et al. (2025) A complete workflow from embalmed specimens to life-like 3D virtual models for veterinary anatomy teaching. *Journal of anatomy*, 246(5), 857.

Hoops SL, et al. (2025) Metagenomic source tracking after microbiota transplant therapy. *Gut microbes*, 17(1), 2487840.

Mustafa Y, et al. (2025) Monocyte inflammation and resilience to Alzheimer's disease: novel genetic risk genes identified by transcriptome-wide association study. *Translational psychiatry*, 15(1), 481.

Garobbio S, et al. (2024) Understanding visual perception in visual snow syndrome: a battery of psychophysical tests plus the 30-day clinical diary. *Brain communications*, 6(5), fcae341.

Takada H, et al. (2024) A role for the S4-domain containing protein YlmH in ribosome-associated quality control in *Bacillus subtilis*. *Nucleic acids research*, 52(14), 8483.

Ang AJY, et al. (2024) Developing a production workflow for 3D-printed temporal bone surgical simulators. *3D printing in medicine*, 10(1), 16.

Cruz-González S, et al. (2024) Methylation Clocks Do Not Predict Age or Alzheimer's Disease Risk Across Genetically Admixed Individuals. *bioRxiv : the preprint server for biology*.

Weible li MW, et al. (2024) BMPRII+ neural precursor cells isolated and characterized from organotypic neurospheres: an in vitro model of human fetal spinal cord development. *Neural regeneration research*, 19(2), 447.

Gaunt DM, et al. (2024) Graded exercise therapy compared to activity management for paediatric chronic fatigue syndrome/myalgic encephalomyelitis: pragmatic randomized

controlled trial. *European journal of pediatrics*, 183(5), 2343.

Ma R, et al. (2024) Chimeric antigen receptor-induced antigen loss protects CD5.CART cells from fratricide without compromising on-target cytotoxicity. *Cell reports. Medicine*, 5(7), 101628.

Golzar H, et al. (2024) Genetic mapping of loci affecting seedling and adult-plant resistance to powdery mildew derived from two CIMMYT wheat lines. *Planta*, 260(1), 13.

Hamami E, et al. (2024) Identification of Determinants that Allow Maintenance of High-Level Fluoroquinolone Resistance in *Acinetobacter baumannii*. *bioRxiv : the preprint server for biology*.

Losilla M, et al. (2023) Molecular evolution of the ependymin-related gene *epdl2* in African weakly electric fish. *G3 (Bethesda, Md.)*, 13(3).

Narganes-Carlón D, et al. (2023) A publication-wide association study (PWAS), historical language models to prioritise novel therapeutic drug targets. *Scientific reports*, 13(1), 8366.

Hoernstein SNW, et al. (2023) A deeply conserved protease, acylamino acid-releasing enzyme (AARE), acts in ageing in *Physcomitrella* and *Arabidopsis*. *Communications biology*, 6(1), 61.

Sargsyan A, et al. (2023) HGFAC is a ChREBP-regulated hepatokine that enhances glucose and lipid homeostasis. *JCI insight*, 8(1).

Liu CW, et al. (2023) The dosimetric impact of titanium implants in spinal SBRT using four commercial treatment planning algorithms. *Journal of applied clinical medical physics*, 24(10), e14070.