

Resource Summary Report

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MapMan

RRID:SCR_003543

Type: Tool

Proper Citation

MapMan (RRID:SCR_003543)

Resource Information

URL: <http://mapman.gabipd.org/web/guest/mapman>

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Description: Software tool that displays large genomics datasets (e.g. gene expression data from Arabidopsis Affymetrix arrays) onto diagrams of metabolic pathways or other biological processes.

Abbreviations: MapMan

Synonyms: MapMan Application Software

Resource Type: software application, software resource

Defining Citation: [PMID:19389052](#), [PMID:14996223](#), [PMID:16009995](#), [PMID:16649112](#)

Keywords: metabolic pathway, biological process, genomics, pathway, array, visualization, gene, transcript, protein, enzyme, metabolite

Resource Name: MapMan

Resource ID: SCR_003543

Alternate IDs: nlx_157682

Record Creation Time: 20220129T080219+0000

Record Last Update: 20260727T040328+0000

Ratings and Alerts

No rating or validation information has been found for MapMan.

No alerts have been found for MapMan.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1225 mentions in open access literature.

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

Ishihara H, et al. (2025) Growth conditions trigger genotype-specific metabolic responses that affect the nutritional quality of kale cultivars. *Journal of experimental botany*, 76(5), 1427.

Yingtao L, et al. (2025) Integrated analysis of transcriptomics and metabolomics and high-throughput amplicon sequencing reveals the synergistic effects of secondary metabolites and rhizosphere microbiota on root rot resistance in *Psammosilene tunicoides*. *Frontiers in microbiology*, 16, 1554406.

Zhou R, et al. (2025) Transcriptome analysis of peach seedlings (*Prunus davidiana*) experiencing drought stress. *Science progress*, 108(3), 368504251358640.

Chen X, et al. (2025) PcWRKY1 Represses Transcription of Yellow Stripe-Like 3 (PcYSL3) to Negatively Regulate Radial Cadmium Transport in Poplar Stems. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(1), e2405492.

Ziegler FMR, et al. (2025) A full genome assembly reveals drought stress effects on gene expression and metabolite profiles in blackcurrant (*Ribes nigrum* L.). *Horticulture research*, 12(2), uhae313.

Prigigallo MI, et al. (2025) Resistance-breaking strains of tomato spotted wilt virus hamper photosynthesis and protein synthesis pathways in a virus accumulation-dependent manner in Sw5-carrying tomatoes. *Scientific reports*, 15(1), 3630.

Orlovskis Z, et al. (2025) The phytoplasma SAP54 effector acts as a molecular matchmaker for leafhopper vectors by targeting plant MADS-box factor SVP. *eLife*, 13.

Gliwa K, et al. (2025) Biophysical and structural insights into AAV genome ejection. *Journal of virology*, 99(3), e0089924.

Berger MMJ, et al. (2025) Grapevine cell response to carbon deficiency requires transcriptome and methylome reprogramming. *Horticulture research*, 12(1), uhae277.

Zhou T, et al. (2025) TCP19 regulates nitrogen-dependent sheath blight susceptibility by modulating nitrogen uptake and signalling in rice. *Plant biotechnology journal*, 23(9), 4140.

Lang J, et al. (2025) Complexome profiling of the *Chlamydomonas* psb28 mutant reveals TEF5 as an early PSII assembly factor. *The Plant cell*, 37(6).

Ribeyre Z, et al. (2025) De novo transcriptome assembly and discovery of drought-responsive genes in white spruce (*Picea glauca*). *PloS one*, 20(1), e0316661.

Shi J, et al. (2025) Identification of genes associated with sex expression and sex determination in hemp (*Cannabis sativa* L.). *Journal of experimental botany*, 76(1), 175.

Zhong Y, et al. (2025) ZmCCD8 regulates sugar and amino acid accumulation in maize kernels via strigolactone signalling. *Plant biotechnology journal*, 23(2), 492.

Komatsu S, et al. (2025) The Growth of Soybean (*Glycine max*) Under Salt Stress Is Modulated in Simulated Microgravity Conditions. *Cells*, 14(7).

Moormann J, et al. (2025) Cysteine Signalling in Plant Pathogen Response. *Plant, cell & environment*, 48(10), 7107.

Liu K, et al. (2025) GWAS Combined with Meta-Analysis Identifies OsDREB6 as a Regulator of Coleoptile Elongation Under Anaerobic Conditions in Rice. *Rice (New York, N.Y.)*, 18(1), 51.

Nešić S, et al. (2025) Paraburkholderia phytofirmans PsJN triggers local and systemic transcriptional reprogramming in *Arabidopsis thaliana* and increases resistance against *Botrytis cinerea*. *Frontiers in plant science*, 16, 1554036.

Kinoshita SN, et al. (2025) Plasma membrane H⁺-ATPase activation increases global transcript levels and promotes the shoot growth of light-grown *Arabidopsis* seedlings. *The Plant journal : for cell and molecular biology*, 121(3), e70034.

Huang C, et al. (2025) Feedback transcription regulation between OsNAC3 and OsDREB1A promotes postgermination growth in rice. *Science advances*, 11(26), eadw0421.