

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

[wMICA](#)

RRID:SCR_015490

Type: Tool

Proper Citation

wMICA (RRID:SCR_015490)

Resource Information

URL: <https://github.com/ChristophRau/wMICA>

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Description: Weighted implementation of Maximal Information Component Analysis, a co-expression network analysis algorithm for analysis of large interconnected networks and the identification of modules of similarly-acting nodes within the larger network.

Resource Type: algorithm resource, software resource

Defining Citation: [PMID:23487572](#)

Keywords: network algorithm, network analysis, gene expression network

Availability: Available for download

Resource Name: wMICA

Resource ID: SCR_015490

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260905T133300+0000

Ratings and Alerts

No rating or validation information has been found for wMICA.

No alerts have been found for wMICA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Zhou H, et al. (2024) Developmental correspondence of juvenile stages across the locust, harlequin ladybird, and diamondback moth. *iScience*, 27(10), 110898.

Cordon-Obras C, et al. (2022) Identification of sequence-specific promoters driving polycistronic transcription initiation by RNA polymerase II in trypanosomes. *Cell reports*, 38(2), 110221.

Ly A, et al. (2019) Transcription Factor T-bet in B Cells Modulates Germinal Center Polarization and Antibody Affinity Maturation in Response to Malaria. *Cell reports*, 29(8), 2257.

Malaby AW, et al. (2018) Structural Dynamics Control Allosteric Activation of Cytohesin Family Arf GTPase Exchange Factors. *Structure (London, England : 1993)*, 26(1), 106.

Rau CD, et al. (2017) Systems Genetics Approach Identifies Gene Pathways and *Adams2* as Drivers of Isoproterenol-Induced Cardiac Hypertrophy and Cardiomyopathy in Mice. *Cell systems*, 4(1), 121.