

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

THetA

RRID:SCR_001860

Type: Tool

Proper Citation

THetA (RRID:SCR_001860)

Resource Information

URL: <https://github.com/raphael-group/THetA>

Proper Citation: THetA (RRID:SCR_001860)

Description: An algorithm that estimates the tumor purity and clonal / subclonal copy number aberrations directly from high-throughput DNA sequencing data.

Synonyms: THetA: Tumor Heterogeneity Analysis, Tumor Heterogeneity Analysis, Tumor Heterogeneity Analysis (THetA)

Resource Type: software resource

Defining Citation: [PMID:23895164](#)

Keywords: standalone software

Availability: Free, Available for download, Freely available

Resource Name: THetA

Resource ID: SCR_001860

Alternate IDs: OMICS_03562

Alternate URLs: <http://compbio.cs.brown.edu/projects/theta/>

Record Creation Time: 20220129T080210+0000

Record Last Update: 20260905T132440+0000

Ratings and Alerts

No rating or validation information has been found for THetA.

No alerts have been found for THetA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 206 mentions in open access literature.

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

Blöcher J, et al. (2026) Demography and life histories across the Roman frontier in Germany 400-700 CE. *Nature*, 654(8120), 984.

Asiimwe IG, et al. (2026) Improving Genotype Imputation in High-Dimensional Pharmacogenomics Using Multiple Imputation: Evaluation with Machine Learning Approaches. *Clinical pharmacology and therapeutics*, 119(4), 964.

Ferrari T, et al. (2025) Parameter Scaling in Population Genetics Simulations may Introduce Unintended Background Selection: Considerations for Scaled Simulation Design. *Genome biology and evolution*, 17(6).

Shukla PK, et al. (2025) Salt rock creep deformation forecasting using deep neural networks and analytical models for subsurface energy storage applications. *Scientific reports*, 15(1), 34560.

Shabestari PS, et al. (2025) Prediction of acoustic tinnitus suppression using resting-state EEG via explainable AI approach. *Scientific reports*, 15(1), 10968.

Tharawadeepimuk K, et al. (2025) Characterizing psychological states in professional athletes through EEG: sex-based differences. *EXCLI journal*, 24, 1.

Liyanagedera ND, et al. (2025) Novel machine learning-driven comparative analysis of CSP, STFT, and CSP-STFT fusion for EEG data classification across multiple meditation and non-meditation sessions in BCI pipeline. *Brain informatics*, 12(1), 4.

Abramyan J, et al. (2025) Reduction of Tooth Replacement Disproportionately Affects the Evolution of Enamel Matrix Proteins. *Journal of molecular evolution*, 93(4), 494.

Habibi Asgarabad M, et al. (2025) Personal growth initiative: confirmatory factor analysis, gender invariance, and external validity of the Persian version. *Frontiers in psychology*, 16, 1576783.

Porter BS, et al. (2025) Adapt-A-Maze: An Open-Source Adaptable and Automated Rodent Behavior Maze System. *eNeuro*, 12(7).

Awashra M, et al. (2025) Stable Air Plastron Prolongs Biofluid Repellency of Submerged Superhydrophobic Surfaces. *Langmuir : the ACS journal of surfaces and colloids*, 41(3), 1807.

Dong W, et al. (2025) Effect of Bone Microstructure Derived From CBCT on the Accuracy of Robot-Assisted Implant Surgery: A Retrospective Study. *Clinical oral implants research*, 36(6), 673.

Main RM, et al. (2025) Dual-Action NO Delivery from One Mixed Metal Metal-Organic Framework. *Inorganic chemistry*, 64(9), 4399.

O'Reilly D, et al. (2025) Quantifying the diverse contributions of hierarchical muscle interactions to motor function. *iScience*, 28(1), 111613.

Krumm G, et al. (2025) Exploring the neural basis of creativity: EEG analysis of power spectrum and functional connectivity during creative tasks in school-aged children. *Frontiers in computational neuroscience*, 19, 1548620.

Richardson S, et al. (2025) A machine learning approach to population pharmacokinetic modelling automation. *Communications medicine*, 5(1), 327.

de Beurs E, et al. (2025) Community Norms for the Symptom Questionnaire (SQ-48): Normalised T-Scores and Percentile Rank Order Scores. *Clinical psychology & psychotherapy*, 32(2), e70056.

Ronca V, et al. (2025) A Multimodal Neurophysiological Approach to Evaluate Educational Contents in Terms of Cognitive Processes and Engagement. *Bioengineering (Basel, Switzerland)*, 12(6).

Halamová J, et al. (2024) The development of the Compassion Satisfaction and Compassion Fatigue scale. *Frontiers in public health*, 12, 1406467.

Moraes Dos Santos L, et al. (2024) Deep learning for discriminating non-trivial conformational changes in molecular dynamics simulations of SARS-CoV-2 spike-ACE2. *Scientific reports*, 14(1), 22639.