

# Resource Summary Report

Generated by PRECISE-TBI on Sep 18, 2026

## ABACUS

RRID:SCR\_013039

Type: Tool

### Proper Citation

ABACUS (RRID:SCR\_013039)

### Resource Information

**URL:** <http://www.dei.unipd.it/~sambofra/abacus.html>

**Proper Citation:** ABACUS (RRID:SCR\_013039)

**Description:** An Algorithm based on a BivAriate CUMulative Statistic to identify SNPs significantly associated with a disease within predefined sets of SNPs such as pathways or genomic regions.

**Abbreviations:** ABACUS

**Synonyms:** ABACUS: an entropy based cumulative bivariate statistic robust to rare variants and different direction of genotype effect

**Resource Type:** software resource

**Defining Citation:** [PMID:24292361](#)

**Availability:** GNU General Public License, Acknowledgement requested

**Resource Name:** ABACUS

**Resource ID:** SCR\_013039

**Alternate IDs:** OMICS\_00297

**Record Creation Time:** 20220129T080313+0000

**Record Last Update:** 20260912T195758+0000

### Ratings and Alerts

No rating or validation information has been found for ABACUS.

No alerts have been found for ABACUS.

## Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 79 mentions in open access literature.

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

Zhang S, et al. (2026) Wafer-scale high- $\gamma$  HfO<sub>2</sub> dielectric films with sub-5-Å equivalent oxide thickness for 2D MoS<sub>2</sub> transistors. *Nature communications*, 17(1).

Almulhem JA, et al. (2026) Arabic Wellness Apps in the MENA Region and Saudi Arabia: Current Evidence and Systematic Evaluation. *Healthcare (Basel, Switzerland)*, 14(11).

Ding H, et al. (2026) Protein Language Model-Guided Engineering of a 2,3-Butanediol Dehydrogenase for the Enantioselective Synthesis of Cyclic  $\gamma$ -Hydroxy Ketones. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(18), e09314.

Xu S, et al. (2026) Ultralong octupole moment switching driven by twin topological spin structures. *Nature communications*, 17(1).

Siriaporn N, et al. (2025) Promoting active transportation through technology: a scoping review of mobile apps for walking and cycling. *BMC public health*, 25(1), 952.

Song Y, et al. (2025) Haplotype-Phased Chromosome-Level Genome Assembly of *Cryptoporus qinlingensis*, a Typical Traditional Chinese Medicine Fungus. *Journal of fungi (Basel, Switzerland)*, 11(2).

Brea-Iglesias J, et al. (2025) Genomics guiding personalized first-line immunotherapy response in lung and bladder tumors. *Journal of translational medicine*, 23(1), 404.

Kohta M, et al. (2025) Evaluating the Knowledge Level, Practice, and Behavioral Change Potential of Care Managers in Pressure Injury Prevention Using a Mobile App Prototyping Model in the Home-Care Setting: Single-Arm, Pre-Post Pilot Study. *JMIR formative research*, 9, e57768.

Li P, et al. (2025) Multi-Parameter Modulation of Dirac Plasmons in Germanene via Doping and Strain: A DFT Insight. *Materials (Basel, Switzerland)*, 18(21).

Qi J, et al. (2025) Haplotype-Phased Chromosome-Level Genome Assembly of *Floccularia luteovirens* Provides Insights into Its Taxonomy, Adaptive Evolution, and Biosynthetic Potential. *Journal of fungi (Basel, Switzerland)*, 11(9).

González-Orozco E, et al. (2025) Genome-wide analysis in human populations reveals mitonuclear disequilibrium in genes related to neurological function. *Scientific reports*, 15(1), 27794.

Faiela C, et al. (2025) Knowledge and practices of healthcare professionals regarding antibiotic use in a district hospital, Southern Mozambique: a cross-sectional study.

Scientific reports, 15(1), 14333.

Hu T, et al. (2025) Observation of dendrite formation at Li metal-electrolyte interface by a machine-learning enhanced constant potential framework. *Nature communications*, 16(1), 7379.

Planas JV, et al. (2025) Mechanisms underlying thermally induced growth plasticity in juvenile Pacific halibut. *The Journal of experimental biology*, 228(19).

Bakhsh S, et al. (2024) Investigating structural and electronic properties of neutral zinc clusters: a G0W0 and G0W0+0(1) benchmark. *Beilstein journal of nanotechnology*, 15, 310.

Sayin FS, et al. (2024) A Comprehensive Investigation on Catalytic Behavior of Anaerobic Jar Gassing Systems and Design of an Enhanced Cultivation System. *Bioengineering (Basel, Switzerland)*, 11(11).

Ureña-Lorenzo A, et al. (2024) Content, Behaviour Change Techniques, and Quality of Postpartum Depression Apps to Be Recommended by Midwives: Systematic Search and Evaluation. *Nursing reports (Pavia, Italy)*, 14(3), 2291.

McKay F, et al. (2024) Assessing the Quality and Behavior Change Potential of Vaping Cessation Apps: Systematic Search and Assessment. *JMIR mHealth and uHealth*, 12, e55177.

Cui Y, et al. (2024) Computational redesign of a hydrolase for nearly complete PET depolymerization at industrially relevant high-solids loading. *Nature communications*, 15(1), 1417.

Gu Q, et al. (2024) Deep learning tight-binding approach for large-scale electronic simulations at finite temperatures with ab initio accuracy. *Nature communications*, 15(1), 6772.