

Resource Summary Report

Generated by T1D on Sep 5, 2026

MACH

RRID:SCR_009621

Type: Tool

Proper Citation

MACH (RRID:SCR_009621)

Resource Information

URL: <http://www.sph.umich.edu/csg/abecasis/MACH/download/>

Proper Citation: MACH (RRID:SCR_009621)

Description: QTL analysis based on imputed dosages/posterior_probabilities.

Synonyms: mach2qtl, MaCH

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:21058334](#), [PMID:19715440](#), [DOI:10.1002/gepi.20533](#)

Keywords: genetic association, genomic analysis, imaging genomics, snp, gene, quantitative trait analysis, bio.tools

Availability: Free, Non-commercial, Acknowledgement requested

Resource Name: MACH

Resource ID: SCR_009621

Alternate IDs: nlx_155856, biotools:mach

Alternate URLs: <http://www.nitrc.org/projects/mach>, <https://bio.tools/mach>

Old URLs: <https://sources.debian.org/src/mach-haplotyper/>

Record Creation Time: 20220129T080254+0000

Record Last Update: 20260903T235001+0000

Ratings and Alerts

No rating or validation information has been found for MACH.

No alerts have been found for MACH.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 937 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Zhou Z, et al. (2026) Genetic predisposition to high BMI, ultra-processed food consumptions in childhood, and adiposity in young adulthood: a 17-year prospective cohort study of 3061 individuals. *BMC medicine*, 24(1).

Moolhuijsen LME, et al. (2026) Genomic analyses implicate hormonal and metabolic dysregulation in polycystic ovary syndrome. *Nature genetics*, 58(5), 1040.

Klinger HM, et al. (2026) Independent, but not synergistic, associations of APOE ϵ 4 and systemic inflammation on cognitive decline: findings from the Women's Health Initiative. *Journal of clinical and experimental neuropsychology*, 1.

McEvoy LK, et al. (2026) Association of epigenetic age acceleration with MRI biomarkers of aging and Alzheimer's disease neurodegeneration. *Aging*, 18(1), 303.

Selicharová I, et al. (2026) An engineered insulin analog with dual insulin and IGF-1 receptor agonism and distinct signaling. *Science advances*, 12(20), eaeb7558.

Sink K, et al. (2026) MACH: A Multi-Attribute Catchment Hydrometeorological dataset. *Scientific data*, 13(1).

Yatagai Y, et al. (2026) Genetic predisposition to elevated BMI and adult asthma phenotypes in a Japanese population. *PloS one*, 21(1), e0340728.

Byg LM, et al. (2026) Nutrition in early life interacts with genetic risk to influence preadult behaviour in the Raine Study. *Communications medicine*, 6(1), 76.

Nguyen S, et al. (2026) Epigenetic Clocks of Biological Aging and Risk of Incident Mild Cognitive Impairment and Dementia: The Women's Health Initiative Memory Study. *Aging cell*, 25(3), e70424.

Feitosa M, et al. (2026) Discovery of gene-alcohol interaction loci influencing blood pressure in 1.1 million individuals from multiple populations. *Research square*.

Xiong Z, et al. (2025) Combined genome-wide association study of facial traits in Europeans increases explained variance and improves prediction. *Nature communications*, 16(1), 6562.

Li M, et al. (2025) Navigation-grade interferometric air-core antiresonant fibre optic gyroscope with enhanced thermal stability. *Nature communications*, 16(1), 3449.

Zhao P, et al. (2025) Ultra-broadband optical amplification using nonlinear integrated waveguides. *Nature*, 640(8060), 918.

Plummer R, et al. (2025) TIMEPOINT, a phase 1 study combining MTL-CEBPA with pembrolizumab, supports the immunomodulatory effect of MTL-CEBPA in solid tumors. *Cell reports. Medicine*, 6(4), 102041.

Aghaee Rad H, et al. (2025) Scaling and networking a modular photonic quantum computer. *Nature*, 638(8052), 912.

Boone I, et al. (2025) Development of Reliable and High-Throughput Human Biomimetic Cartilage and Bone Models to Explore Senescence and Personalized Osteoarthritis Treatment Options. *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*, 43(5), 912.

Pyun JM, et al. (2025) Polygenic risk score predicts pathologically confirmed cerebral amyloid angiopathy. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(12), e70958.

Nguyen S, et al. (2025) Epigenetic clocks of biological aging and risk of incident mild cognitive impairment and dementia: the Women's Health Initiative Memory Study. *medRxiv : the preprint server for health sciences*.

Sheng J, et al. (2025) An imaging genetics network model for clinical score assessment in Alzheimer's disease. *PNAS nexus*, 4(8), pgaf234.

Li LHD, et al. (2025) Experimental and Theoretical Study of the Kinetics of Dimerization of Ammonia at Low Temperatures. *The journal of physical chemistry. A*, 129(28), 6289.