

Resource Summary Report

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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: 20260821T193856+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 [nidm-terms](#).

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.