

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 processing software, data analysis 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: 20260801T042704+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 925 mentions in open access literature.

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

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.

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.

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.

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

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.

Liu L, et al. (2025) Assessing the Impact of Partial Decellularization on Tracheal Chondrocytes and Extracellular Matrix in Airway Reconstruction. *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*, 172(6), 2026.

Stahl K, et al. (2025) Aggregating single nucleotide polymorphisms improves filtering for false-positive associations postimputation. *G3 (Bethesda, Md.)*, 15(5).

Zhu Y, et al. (2025) Implementation of double Feynman gate in high dimensional quantum systems. *Scientific reports*, 15(1), 12184.

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

Meng T, et al. (2025) Natural Crystal Structure for Generating Raman-Like Orbital Angular Momentum States. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(23), e2500377.

Beyer F, et al. (2025) White matter hyperintensity spatial patterns: Risk factors and clinical correlates. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(4), e70053.

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.

Donà F, et al. (2025) Protocol for the establishment and characterization of lung tumoroids from surgical resection without the use of Matrigel. STAR protocols, 6(3), 103923.

Zhao Y, et al. (2025) Data driven fuel consumption prediction model for green aviation using radial basis function neural network. Scientific reports, 15(1), 26275.

Roy A, et al. (2025) Instantaneous formation of interstellar minerals and mineral quantum dots. RSC advances, 15(16), 12309.

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.

Placidi M, et al. (2025) D-chiro-inositol effectively counteracts endometriosis in a mouse model. Molecular medicine (Cambridge, Mass.), 31(1), 134.

Manolopoulos A, et al. (2025) Cognitive Resilience in Apolipoprotein ?4 Carrier Women Predicted by Neuron-Derived Extracellular Vesicles. Annals of clinical and translational neurology, 12(10), 2097.