Resource Summary Report

Generated by dkNET on May 19, 2025

RACE

RRID:SCR_010950

Type: Tool

Proper Citation

RACE (RRID:SCR_010950)

Resource Information

URL: http://race.unil.ch/

Proper Citation: RACE (RRID:SCR_010950)

Description: A collection of web tools designed to assist with the analysis of DNA microarray data and results. RACE performs probe level data preprocessing, quality checks, normalization, and visualization for Affymetrix GeneChips. In addition, it performs clustering and differential analysis of normalized expression levels or ratios for arbitrary platforms, and estimates the false discovery rates in lists of potentially regulated genes. A Gene Ontology (GO)-term analysis assists in the biological interpretation of gene lists. The user can customize each analysis request; upon submission the analysis is executed in a fully automated way.

Abbreviations: RACE

Synonyms: Remote Analysis Computation for gene Expression data

Resource Type: production service resource, data analysis service, service resource,

analysis service resource

Defining Citation: PMID:15980552

Keywords: dna microarray, bio.tools

Funding:

Availability: Account required

Resource Name: RACE

Resource ID: SCR_010950

Alternate IDs: OMICS_00777, biotools:race

Alternate URLs: https://bio.tools/race

Record Creation Time: 20220129T080301+0000

Record Last Update: 20250517T060012+0000

Ratings and Alerts

No rating or validation information has been found for RACE.

No alerts have been found for RACE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 336 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Hanif MA, et al. (2024) The Neuropeptide HGAP Regulates Growth, Reproduction, Metamorphosis, Tissue Damage Repair, and Response against Starvation in Pacific Abalone. Neuroendocrinology, 114(5), 453.

Seto R, et al. (2024) Pseudomonas fluorescens 15 small RNA Pfs1 mediates transgenerational epigenetic inheritance of pathogen avoidance in C. elegans through the Ephrin receptor VAB-1. bioRxiv: the preprint server for biology.

Shafiei SB, et al. (2024) Prediction of Robotic Anastomosis Competency Evaluation (RACE) metrics during vesico-urethral anastomosis using electroencephalography, eye-tracking, and machine learning. Scientific reports, 14(1), 14611.

Xu Z, et al. (2024) Identification and Genome Characterization of a Novel Virus within the Genus Totivirus from Chinese Bayberry (Myrica rubra). Viruses, 16(2).

Sonnier JH, et al. (2024) Rates of Reporting and Analyzing Race and Ethnicity in Athlete-Specific Sports Medicine Research: A Systematic Review. Orthopaedic journal of sports medicine, 12(10), 23259671241261679.

Zhu N, et al. (2024) Blood cell parameters and risk of nonalcoholic fatty liver disease: a

comprehensive Mendelian randomization study. BMC medical genomics, 17(1), 102.

Zhang J, et al. (2024) Molecular Characterization and Expression Analysis of a Gene Encoding 3-Hydroxy-3-Methylglutaryl-CoA Reductase (HMGR) from Bipolaris eleusines, an Ophiobolin A-Producing Fungus. Journal of fungi (Basel, Switzerland), 10(7).

Sui X, et al. (2024) Phenolic compounds induce ferroptosis-like death by promoting hydroxyl radical generation in the Fenton reaction. Communications biology, 7(1), 199.

Zhou Q, et al. (2024) Fusarium sacchari hypovirus 1, a Member of Hypoviridae with Virulence Attenuation Capacity in Phytopathogenic Fusarium Species. Viruses, 16(4).

Yuan JN, et al. (2024) Identification and Characterization of Three Novel Solemo-like Viruses in the White-Backed Planthopper, Sogatella furcifera. Insects, 15(6).

Hong H, et al. (2024) Characterisation of a Novel Insect-Specific Virus Discovered in Rice Thrips, Haplothrips aculeatus. Insects, 15(5).

Jessup B, et al. (2024) "Well I Failed, but I Have No Idea Why"...: Experiences of Feedback After High-Stakes Summative Specialist Medical Examination in Ophthalmology. Journal of medical education and curricular development, 11, 23821205241286288.

Tang X, et al. (2024) Raman cell sorting for single-cell research. Frontiers in bioengineering and biotechnology, 12, 1389143.

Xu ZT, et al. (2024) Molecular Characterization of an Isolate of Bean Common Mosaic Virus First Identified in Gardenia Using Metatranscriptome and Small RNA Sequencing. The plant pathology journal, 40(1), 73.

Zhang Z, et al. (2024) Comprehensive Characterization of fucAO Operon Activation in Escherichia coli. International journal of molecular sciences, 25(7).

Villa-García L, et al. (2024) Care-related quality of life of informal caregivers of stroke survivors: Cross-sectional analysis of a randomized clinical trial. PloS one, 19(10), e0307930.

Chen MN, et al. (2024) Genetic Characterization of Two Novel Insect-Infecting Negative-Sense RNA Viruses Identified in a Leaf Beetle, Aulacophora indica. Insects, 15(8).

Rong Y, et al. (2024) An Engineered Mouse Model That Generates a Diverse Repertoire of Endogenous, High-Affinity Common Light Chain Antibodies. Antibodies (Basel, Switzerland), 13(1).

Schiwek S, et al. (2024) Mycoviruses Increase the Attractiveness of Fusarium graminearum for Fungivores and Suppress Production of the Mycotoxin Deoxynivalenol. Toxins, 16(3).

Zhang J, et al. (2024) Machine learning models identify predictive features of patient mortality across dementia types. Communications medicine, 4(1), 23.