Resource Summary Report

Generated by NIF on May 25, 2025

WebArrayDB

RRID:SCR_005577
Type: Tool

Proper Citation

WebArrayDB (RRID:SCR_005577)

Resource Information

URL: http://www.webarraydb.org/webarray/index.html

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Description: An open source integrated microarray database and analysis suite that features convenient uploading of data for storage in a MIAME (Minimal Information about a Microarray Experiment) compliant fashion. It allows data to be mined with a large variety of R-based tools, including data analysis across multiple platforms. Different methods for probe alignment, normalization and statistical analysis are included to account for systematic bias. Student's t-test, moderated t-tests, non-parametric tests and analysis of variance or covariance (ANOVA/ANCOVA) are among the choices of algorithms for differential analysis of data. Users also have the flexibility to define new factors and create new analysis models to fit complex experimental designs. All data can be queried or browsed through a web browser. The computations can be performed in parallel on symmetric multiprocessing (SMP) systems or Linux clusters.

Abbreviations: WebArrayDB

Resource Type: production service resource, data repository, data or information resource, database, data analysis service, analysis service resource, service resource, software resource, storage service resource

Defining Citation: PMID:19602526

Funding: Prostate Cancer Foundation ;
Mary Kay Ash Foundation ;
NIH ;
NIAI R01AI034829;
NIAI R01AI052237;

NCI R01CA68822;
NCI U01CA114810

Availability: Open source, Account required, The software package is available for the use on a public web server or can be downloaded

Resource Name: WebArrayDB

Resource ID: SCR_005577

Alternate IDs: OMICS_00782

Record Creation Time: 20220129T080231+0000

Record Last Update: 20250525T030915+0000

Ratings and Alerts

No rating or validation information has been found for WebArrayDB.

No alerts have been found for WebArrayDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Li F, et al. (2017) FBLN4 as candidate gene associated with long-term and short-term survival with primary glioblastoma. OncoTargets and therapy, 10, 387.

Wang H, et al. (2017) Overexpression of STMN1 is associated with the prognosis of meningioma patients. Neuroscience letters, 654, 1.

Crawford MA, et al. (2016) DksA-Dependent Transcriptional Regulation in Salmonella Experiencing Nitrosative Stress. Frontiers in microbiology, 7, 444.

Keung W, et al. (2016) Non-cell autonomous cues for enhanced functionality of human embryonic stem cell-derived cardiomyocytes via maturation of sarcolemmal and mitochondrial KATP channels. Scientific reports, 6, 34154.

Alvarez-Saavedra M, et al. (2014) Snf2h-mediated chromatin organization and histone H1 dynamics govern cerebellar morphogenesis and neural maturation. Nature communications,

5, 4181.

Jia Z, et al. (2012) Expression changes in the stroma of prostate cancer predict subsequent relapse. PloS one, 7(8), e41371.

Scantland S, et al. (2011) Method to isolate polyribosomal mRNA from scarce samples such as mammalian oocytes and early embryos. BMC developmental biology, 11, 8.

Kucerova E, et al. (2010) Genome sequence of Cronobacter sakazakii BAA-894 and comparative genomic hybridization analysis with other Cronobacter species. PloS one, 5(3), e9556.