Resource Summary Report

Generated by dkNET on May 19, 2025

MBASED

RRID:SCR_002584
Type: Tool

Proper Citation

MBASED (RRID:SCR_002584)

Resource Information

URL: http://www.bioconductor.org/packages/devel/bioc/html/MBASED.html

Proper Citation: MBASED (RRID:SCR_002584)

Description: Software package containing functions for allele-specific gene expression (ASE) analysis using meta-analysis based allele-specific expression detection.

Synonyms: Meta-analysis Based Allele-Specific Expression Detection, MBASED - Package containing functions for ASE analysis using Meta-analysis Based Allele-Specific Expression Detection

Resource Type: software resource

Defining Citation: PMID:25315065

Keywords: software package, unix/linux, mac os x, windows, r, gene expression, sequencing, transcription

Funding:

Availability: Artistic License, v2

Resource Name: MBASED

Resource ID: SCR_002584

Alternate IDs: OMICS_05502

Alternate URLs: http://www.bioconductor.org/packages/release/bioc/html/MBASED.html

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250420T014111+0000

Ratings and Alerts

No rating or validation information has been found for MBASED.

No alerts have been found for MBASED.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

O'Neill K, et al. (2024) Long-read sequencing of an advanced cancer cohort resolves rearrangements, unravels haplotypes, and reveals methylation landscapes. Cell genomics, 4(11), 100674.

Andersson J, et al. (2024) Characterizing the allele-specific gene expression landscape in high hyperdiploid acute lymphoblastic leukemia with BASE. Scientific reports, 14(1), 23181.

Dyer NA, et al. (2023) Mechanisms of transcriptional regulation in Anopheles gambiae revealed by allele specific expression. bioRxiv : the preprint server for biology.

Villarroel CA, et al. (2021) Uncovering Divergence in Gene Expression Regulation in the Adaptation of Yeast to Nitrogen Scarcity. mSystems, 6(4), e0046621.

McGirr JA, et al. (2021) Few Fixed Variants between Trophic Specialist Pupfish Species Reveal Candidate Cis-Regulatory Alleles Underlying Rapid Craniofacial Divergence. Molecular biology and evolution, 38(2), 405.

Berardi AE, et al. (2021) Complex evolution of novel red floral color in Petunia. The Plant cell, 33(7), 2273.

Przytycki PF, et al. (2020) Differential Allele-Specific Expression Uncovers Breast Cancer Genes Dysregulated by Cis Noncoding Mutations. Cell systems, 10(2), 193.

Fan J, et al. (2020) ASEP: Gene-based detection of allele-specific expression across individuals in a population by RNA sequencing. PLoS genetics, 16(5), e1008786.

Yarahmadov T, et al. (2020) Identification of transcription factors controlling floral morphology in wild Petunia species with contrasting pollination syndromes. The Plant journal : for cell and molecular biology, 104(2), 289.

Greenwald WW, et al. (2019) Subtle changes in chromatin loop contact propensity are associated with differential gene regulation and expression. Nature communications, 10(1), 1054.

McGirr JA, et al. (2019) Hybrid gene misregulation in multiple developing tissues within a recent adaptive radiation of Cyprinodon pupfishes. PloS one, 14(7), e0218899.

Banos G, et al. (2019) Genetic and genomic analyses underpin the feasibility of concomitant genetic improvement of milk yield and mastitis resistance in dairy sheep. PloS one, 14(11), e0214346.

York RA, et al. (2018) Behavior-dependent cis regulation reveals genes and pathways associated with bower building in cichlid fishes. Proceedings of the National Academy of Sciences of the United States of America, 115(47), E11081.

DeBoever C, et al. (2017) Large-Scale Profiling Reveals the Influence of Genetic Variation on Gene Expression in Human Induced Pluripotent Stem Cells. Cell stem cell, 20(4), 533.

Nieminen TT, et al. (2016) Pseudoexons provide a mechanism for allele-specific expression of APC in familial adenomatous polyposis. Oncotarget, 7(43), 70685.