Resource Summary Report

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GAGE

RRID:SCR_017067
Type: Tool

Proper Citation

GAGE (RRID:SCR_017067)

Resource Information

URL: http://bioconductor.org/packages/gage/

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Description: Software R package for gene set enrichment or pathway analysis. Applicable independent of microarray or RNAseq data attributes including sample sizes, experimental designs, assay platforms, and other types of heterogeneity. Pipeline routines of multiple GAGE analyses in batch, comparison between parallel analyses, and combined analysis of heterogeneous data from different sources and studies.

Synonyms: Generally Applicable Gene-set Enrichment for pathway analysis, gage, Generally Applicable Gene-set Enrichment, GSEA

Resource Type: data analysis software, software application, software resource, data processing software

Keywords: gene, set, enrichment, pathway, batch, comparison, parallel, analysis, heterogeneous, data

Funding:

Availability: Free, Available for download, Freely available

Resource Name: GAGE

Resource ID: SCR_017067

License: GPL

Record Creation Time: 20220129T080333+0000

Record Last Update: 20250412T060051+0000

Ratings and Alerts

No rating or validation information has been found for GAGE.

No alerts have been found for GAGE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 47 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Liu S, et al. (2024) Suppression of cerebral ischemia injury induced blood brain barrier breakdown by dexmedetomidine via promoting CCN1. Aging, 16(4), 3750.

Clayton SA, et al. (2024) Preclinical Multi-Omic Assessment of Pioglitazone in Skeletal Muscles of Mice Implanted with Human HER2/neu Overexpressing Breast Cancer Xenografts. bioRxiv : the preprint server for biology.

Simbolo M, et al. (2024) Characterization of two transcriptomic subtypes of marker-null large cell carcinoma of the lung suggests different origin and potential new therapeutic perspectives. Virchows Archiv : an international journal of pathology, 484(5), 777.

Kloosterman DJ, et al. (2024) Macrophage-mediated myelin recycling fuels brain cancer malignancy. Cell, 187(19), 5336.

Raspa F, et al. (2024) Microbiota characterization throughout the digestive tract of horses fed a high-fiber vs. a high-starch diet. Frontiers in veterinary science, 11, 1386135.

Ruvinskiy D, et al. (2024) Adipose gene expression profiles in Northern Finncattle, Mirandesa cattle, Yakutian cattle and commercial Holstein cattle. Scientific reports, 14(1), 22216.

Clayton SA, et al. (2024) Preclinical Multi-Omic Assessment of Pioglitazone in Skeletal Muscles of Mice Implanted with Human HER2/neu Overexpressing Breast Cancer Xenografts. Cancers, 16(21).

Lemaitre P, et al. (2023) Molecular and cognitive signatures of ageing partially restored

through synthetic delivery of IL2 to the brain. EMBO molecular medicine, 15(5), e16805.

Kim Y, et al. (2023) MANF stimulates autophagy and restores mitochondrial homeostasis to treat autosomal dominant tubulointerstitial kidney disease in mice. Nature communications, 14(1), 6493.

van Hooren L, et al. (2023) CD103+ regulatory T cells underlie resistance to radio-immunotherapy and impair CD8+ T cell activation in glioblastoma. Nature cancer, 4(5), 665.

Aftab F, et al. (2023) An intrinsic purine metabolite AICAR blocks lung tumour growth by targeting oncoprotein mucin 1. British journal of cancer, 128(9), 1647.

Vermeersch AS, et al. (2023) Severe udder cleft dermatitis lesion transcriptomics points to an impaired skin barrier, defective wound repair and a dysregulated inflammatory response as key elements in the pathogenesis. PloS one, 18(7), e0288347.

Foury A, et al. (2023) Transcriptomic signature related to poor welfare of sport horses. Comprehensive psychoneuroendocrinology, 16, 100201.

Higgins CB, et al. (2023) The tetraspanin transmembrane protein CD53 mediates dyslipidemia and integrates inflammatory and metabolic signaling in hepatocytes. The Journal of biological chemistry, 299(2), 102835.

Pickles OJ, et al. (2023) MHC Class II is Induced by IFN? and Follows Three Distinct Patterns of Expression in Colorectal Cancer Organoids. Cancer research communications, 3(8), 1501.

Zhang J, et al. (2023) Jarid2 promotes temporal progression of retinal progenitors via repression of Foxp1. Cell reports, 42(3), 112237.

Rashid M, et al. (2023) Inhibition of high-fat diet-induced inflammatory responses in adipose tissue by SF1-expressing neurons of the ventromedial hypothalamus. Cell reports, 42(6), 112627.

George J, et al. (2022) Cancer stem cells, not bulk tumor cells, determine mechanisms of resistance to SMO inhibitors. Cancer research communications, 2(6), 402.

Ilinykh PA, et al. (2022) A single intranasal dose of human parainfluenza virus type 3-vectored vaccine induces effective antibody and memory T cell response in the lungs and protects hamsters against SARS-CoV-2. NPJ vaccines, 7(1), 47.

Millard RS, et al. (2022) Resistance to white spot syndrome virus in the European shore crab is associated with suppressed virion trafficking and heightened immune responses. Frontiers in immunology, 13, 1057421.