

Resource Summary Report

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NanoStriDE

RRID:SCR_003407

Type: Tool

Proper Citation

NanoStriDE (RRID:SCR_003407)

Resource Information

URL: <http://nanostride.soe.ucsc.edu/>

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Description: Web application that accepts the raw count data produced by the NanoString nCounter analysis system, normalizes it according to guidelines provided by NanoString Technologies, performs differential expression analysis on the normalized data, and provides a heatmap of the results from the differential expression analysis.

Abbreviations: NanoStriDE

Synonyms: NanoStriDE - NanoString Differential Expression, NanoString Differential Expression

Resource Type: service resource, data analysis service, analysis service resource, software resource, source code, production service resource

Defining Citation: [PMID:22177214](#)

Keywords: normalization, differential expression, nanostring ncounter, heatmap

Availability: Free, Freely available

Resource Name: NanoStriDE

Resource ID: SCR_003407

Alternate IDs: OMICS_02307

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260728T043145+0000

Ratings and Alerts

No rating or validation information has been found for NanoStriDE.

No alerts have been found for NanoStriDE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Chua EW, et al. (2024) A concise guide to essential R packages for analyses of DNA, RNA, and proteins. *Molecules and cells*, 47(11), 100120.

Rüdebusch J, et al. (2022) Stimulation of soluble guanylyl cyclase (sGC) by riociguat attenuates heart failure and pathological cardiac remodelling. *British journal of pharmacology*, 179(11), 2430.

Luttrell LM, et al. (2019) Transcriptomic characterization of signaling pathways associated with osteoblastic differentiation of MC-3T3E1 cells. *PloS one*, 14(1), e0204197.

Oweida A, et al. (2018) Response to stereotactic ablative radiotherapy in a novel orthotopic model of non-small cell lung cancer. *Oncotarget*, 9(2), 1630.

Baumgartner U, et al. (2018) miR-19b enhances proliferation and apoptosis resistance via the EGFR signaling pathway by targeting PP2A and BIM in non-small cell lung cancer. *Molecular cancer*, 17(1), 44.

Tian C, et al. (2017) Klf4 inhibits tumor growth and metastasis by targeting microRNA-31 in human hepatocellular carcinoma. *International journal of molecular medicine*, 39(1), 47.

Godfrey L, et al. (2017) MLL-AF4 binds directly to a BCL-2 specific enhancer and modulates H3K27 acetylation. *Experimental hematology*, 47, 64.

Zhang CS, et al. (2015) Interleukin-4 Expressed By Neoplastic Cells Provokes an Anti-Metastatic Myeloid Immune Response. *Journal of clinical & cellular immunology*, 6(6), 1.

Tan JY, et al. (2015) Extensive microRNA-mediated crosstalk between lncRNAs and mRNAs in mouse embryonic stem cells. *Genome research*, 25(5), 655.

Poynter JN, et al. (2015) Cross platform analysis of methylation, miRNA and stem cell gene expression data in germ cell tumors highlights characteristic differences by tumor histology. *BMC cancer*, 15, 769.

Cooley MA, et al. (2014) Fibulin-1 is required for bone formation and Bmp-2-mediated induction of Osterix. *Bone*, 69, 30.