Resource Summary Report

Generated by Kravitz on Sep 20, 2026

S-MART

RRID:SCR_001908
Type: Tool

Proper Citation

S-MART (RRID:SCR_001908)

Resource Information

URL: https://urgi.versailles.inra.fr/Tools/S-Mart

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Description: Software toolbox that manages your RNA-Seq and ChIP-Seq data and also produces many different plots to visualize your data. It performs several tasks that are usually required during the analysis of mapped RNA-Seq and ChIP-Seq reads, including data selection and data visualization. It includes the selection (or the exclusion) of the data that overlaps with a reference set, clustering and comparative analysis. It also provides many ways to visualize data: size of the reads, density on the genome, distance with respect to a reference set, and the correlation of two data sets (with cloud plots). A computer science background is not required to run it through a graphical interface and it can be run on any personal computer, yielding results within an hour for most queries.

Abbreviations: S-MART

Resource Type: software resource

Defining Citation: PMID:21998740

Keywords: high throughput sequencing, rna-seq, chip-seq, python, linux, ms windows, mac, short-read, selection, visualization, bio.tools, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: S-MART

Resource ID: SCR_001908

Alternate IDs: OMICS_01937, biotools:mapperanalyzer, biotools:s-mart

Alternate URLs: https://bio.tools/s-mart, https://bio.tools/mapperanalyzer

Record Creation Time: 20220129T080210+0000

Record Last Update: 20260919T194949+0000

Ratings and Alerts

No rating or validation information has been found for S-MART.

No alerts have been found for S-MART.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Ye M, et al. (2026) Epigenetic regulation of the glucocorticoid receptor gene through methylation is linked to post-traumatic stress disorder. Scientific reports, 16(1).

Jamrus P, et al. (2025) Iron induces blood-brain barrier alteration contributing to cognitive impairment in ??-thalassaemia mice. Scientific reports, 15(1), 533.

Jang JH, et al. (2021) Acupuncture alleviates chronic pain and comorbid conditions in a mouse model of neuropathic pain: the involvement of DNA methylation in the prefrontal cortex. Pain, 162(2), 514.

Oh JY, et al. (2020) Intranasal Administration of Melanin-Concentrating Hormone Reduces Stress-Induced Anxiety- and Depressive-Like Behaviors in Rodents. Experimental neurobiology, 29(6), 453.

Ryu S, et al. (2020) Korean red ginseng promotes hippocampal neurogenesis in mice. Neural regeneration research, 15(5), 887.

Park HJ, et al. (2018) Anti-stress effects of human placenta extract: possible involvement of the oxidative stress system in rats. BMC complementary and alternative medicine, 18(1), 149.

Lee B, et al. (2018) Gypenosides Attenuate Lipopolysaccharide-Induced Neuroinflammation and Memory Impairment in Rats. Evidence-based complementary and alternative medicine : eCAM, 2018, 4183670.

Oh JY, et al. (2018) Acupuncture modulates stress response by the mTOR signaling pathway in a rat post-traumatic stress disorder model. Scientific reports, 8(1), 11864.

Lee B, et al. (2018) Melatonin ameliorates cognitive memory by regulation of cAMP-response element-binding protein expression and the anti-inflammatory response in a rat model of post-traumatic stress disorder. BMC neuroscience, 19(1), 38.

Lee HJ, et al. (2016) Decreased Interleukin-4 Release from the Neurons of the Locus Coeruleus in Response to Immobilization Stress. Mediators of inflammation, 2016, 3501905.

Toffano-Nioche C, et al. (2015) Revisiting the structure/function relationships of H/ACA(-like) RNAs: a unified model for Euryarchaea and Crenarchaea. Nucleic acids research, 43(16), 7744.

Thangam M, et al. (2015) CRCDA--Comprehensive resources for cancer NGS data analysis. Database : the journal of biological databases and curation, 2015.

Perlin MH, et al. (2015) Sex and parasites: genomic and transcriptomic analysis of Microbotryum lychnidis-dioicae, the biotrophic and plant-castrating anther smut fungus. BMC genomics, 16(1), 461.

Cossu M, et al. (2015) Comparative genomics reveals conserved positioning of essential genomic clusters in highly rearranged Thermococcales chromosomes. Biochimie, 118, 313.

Shamandi N, et al. (2015) Plants Encode a General siRNA Suppressor That Is Induced and Suppressed by Viruses. PLoS biology, 13(12), e1002326.

Lee B, et al. (2015) Angelica gigas ameliorate depression-like symptoms in rats following chronic corticosterone injection. BMC complementary and alternative medicine, 15, 210.

Amselem J, et al. (2015) Evolution of the EKA family of powdery mildew avirulence-effector genes from the ORF 1 of a LINE retrotransposon. BMC genomics, 16, 917.

Geering AD, et al. (2014) Endogenous florendoviruses are major components of plant genomes and hallmarks of virus evolution. Nature communications, 5, 5269.

Lee B, et al. (2014) L-tetrahydropalmatine ameliorates development of anxiety and depression-related symptoms induced by single prolonged stress in rats. Biomolecules & therapeutics, 22(3), 213.

Lee B, et al. (2014) Alpha-Asarone, a Major Component of Acorus gramineus, Attenuates Corticosterone-Induced Anxiety-Like Behaviours via Modulating TrkB Signaling Process. The Korean journal of physiology & pharmacology : official journal of the Korean Physiological Society and the Korean Society of Pharmacology, 18(3), 191.