

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

Eoulsan

RRID:SCR_011901

Type: Tool

Proper Citation

Eoulsan (RRID:SCR_011901)

Resource Information

URL: <http://transcriptome.ens.fr/eoulsan/>

Proper Citation: Eoulsan (RRID:SCR_011901)

Description: A versatile framework based on the Hadoop implementation of the MapReduce algorithm, dedicated to high throughput sequencing data analysis on distributed computers.

Abbreviations: Eoulsan

Resource Type: software resource

Defining Citation: [PMID:22492314](#)

Keywords: matlab, unix/linux, mapreduce/hadoop, bio.tools

Resource Name: Eoulsan

Resource ID: SCR_011901

Alternate IDs: OMICS_01402, biotools:Eoulsan

Alternate URLs: <https://www.ouils.genomique.biologie.ens.fr/eoulsan/>,
<https://bio.tools/Eoulsan>

Record Creation Time: 20220129T080307+0000

Record Last Update: 20260829T182407+0000

Ratings and Alerts

No rating or validation information has been found for Eoulsan.

No alerts have been found for Eoulsan.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Taïb S, et al. (2025) Vascular dysfunction is at the onset of oxaliplatin-induced peripheral neuropathy symptoms in mice. Life science alliance, 8(2).

Bokobza C, et al. (2025) A systematic scoring system to optimise the testing of neurotherapeutics in models of perinatal brain injury, with an applied case study of human umbilical-cord MSC. Journal of neuroinflammation, 23(1), 3.

Yang J, et al. (2024) Mecp2 fine-tunes quiescence exit by targeting nuclear receptors. eLife, 12.

Fima R, et al. (2024) Loss of embryonically-derived Kupffer cells during hypercholesterolemia accelerates atherosclerosis development. Nature communications, 15(1), 8341.

Chasseigneaux S, et al. (2024) Fasting upregulates the monocarboxylate transporter MCT1 at the rat blood-brain barrier through PPAR γ activation. Fluids and barriers of the CNS, 21(1), 33.

Atehortua Martinez LA, et al. (2022) Individual differences in cocaine-induced conditioned place preference in male rats: Behavioral and transcriptomic evidence. Journal of psychopharmacology (Oxford, England), 36(10), 1161.

Demars F, et al. (2022) Post-trauma behavioral phenotype predicts the degree of vulnerability to fear relapse after extinction in male rats. Current biology : CB, 32(14), 3180.

Klein L, et al. (2022) A unique cerebellar pattern of microglia activation in a mouse model of encephalopathy of prematurity. Glia, 70(9), 1699.

Dillard C, et al. (2021) Expression Pattern of Purinergic Signaling Components in Colorectal Cancer Cells and Differential Cellular Outcomes Induced by Extracellular ATP and Adenosine. International journal of molecular sciences, 22(21).

Osinski C, et al. (2021) Type 2 diabetes is associated with impaired jejunal enteroendocrine GLP-1 cell lineage in human obesity. International journal of obesity (2005), 45(1), 170.

Vorspan F, et al. (2020) Translational study of the whole transcriptome in rats and genetic polymorphisms in humans identifies LRP1B and VPS13A as key genes involved in tolerance to cocaine-induced motor disturbances. Translational psychiatry, 10(1), 381.

- Pirayre A, et al. (2020) Glucose-lactose mixture feeds in industry-like conditions: a gene regulatory network analysis on the hyperproducing *Trichoderma reesei* strain Rut-C30. *BMC genomics*, 21(1), 885.
- Drareni K, et al. (2020) Adipocyte Reprogramming by the Transcriptional Coregulator GPS2 Impacts Beta Cell Insulin Secretion. *Cell reports*, 32(11), 108141.
- Crisci E, et al. (2020) Distinctive Cellular and Metabolic Reprogramming in Porcine Lung Mononuclear Phagocytes Infected With Type 1 PRRSV Strains. *Frontiers in immunology*, 11, 588411.
- Tran S, et al. (2020) Impaired Kupffer Cell Self-Renewal Alters the Liver Response to Lipid Overload during Non-alcoholic Steatohepatitis. *Immunity*, 53(3), 627.
- Nguyen Quang N, et al. (2020) Dynamic nanopore long-read sequencing analysis of HIV-1 splicing events during the early steps of infection. *Retrovirology*, 17(1), 25.
- Mazaré N, et al. (2020) Local Translation in Perisynaptic Astrocytic Processes Is Specific and Changes after Fear Conditioning. *Cell reports*, 32(8), 108076.
- Thierion E, et al. (2017) Krox20 hindbrain regulation incorporates multiple modes of cooperation between cis-acting elements. *PLoS genetics*, 13(7), e1006903.
- Yu P, et al. (2016) Single-cell Transcriptome Study as Big Data. *Genomics, proteomics & bioinformatics*, 14(1), 21.
- Druzhinina IS, et al. (2016) A complete annotation of the chromosomes of the cellulase producer *Trichoderma reesei* provides insights in gene clusters, their expression and reveals genes required for fitness. *Biotechnology for biofuels*, 9, 75.