

Resource Summary Report

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REDportal

RRID:SCR_018490

Type: Tool

Proper Citation

REDportal (RRID:SCR_018490)

Resource Information

URL: <http://srv00.recas.ba.infn.it/atlas/index.html>

Proper Citation: REDportal (RRID:SCR_018490)

Description: Comprehensive database of A-to-I RNA Editing Events. Atlas of A-to-I RNA editing events in human and other organisms. Collection of A-to-I events in body sites of healthy individuals from GTEx project. RNA Editing sites can be searched by genomic region, gene name and other relevant features as tissue of origin. Query results are shown in sortable and downloadable tables in which main characteristics of individual RNA editing events are reported. RNA-Seq and DNA-Seq coverage per site as well as RNA editing levels are provided.

Resource Type: atlas, service resource, database, topical portal, portal, data or information resource

Defining Citation: [PMID:27587585](#)

Keywords: A-to-I RNA Editing Events, RNA editing events collection, atlas, database, GTEx project, genomic region, gene name, RNAseq, DNaseq, , bio.tools

Funding: Italian Ministero dell Istruzione ;
Consiglio Nazionale delle Ricerche

Availability: Free, Freely available

Resource Name: REDportal

Resource ID: SCR_018490

Alternate IDs: biotools:rediportal

Alternate URLs: <https://bio.tools/rediportal>

Record Creation Time: 20220129T080340+0000

Ratings and Alerts

No rating or validation information has been found for REDlportal.

No alerts have been found for REDlportal.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

D'Addabbo P, et al. (2025) REDlportal: toward??an integrated view of the A-to-I editing. Nucleic acids research, 53(D1), D233.

Cui Z, et al. (2025) Effect of SNORD113-3/ADAR2 on glycolipid metabolism in glioblastoma via A-to-I editing of PHKA2. Cellular & molecular biology letters, 30(1), 5.

Prieto T, et al. (2025) Large-scale single-cell phylogenetic mapping of clonal evolution in the human aging esophagus. bioRxiv : the preprint server for biology.

Lattuca R, et al. (2025) Systematic analysis of A-to-I RNA editing upon release of ADAR from the nucleolus. RNA biology, 22(1), 1.

Abbasi MJ, et al. (2025) Machine learning modeling and analysis of prognostic hub genes in cervical adenocarcinoma: a multi target therapy for enhancement in immunosurveillance. Discover oncology, 16(1), 1326.

Li C, et al. (2025) Landscape of A-I RNA editing in mouse, pig, macaque, and human brains. Nucleic acids research, 53(11).

Jiao Y, et al. (2024) The role of ADAR1 through and beyond its editing activity in cancer. Cell communication and signaling : CCS, 22(1), 42.

Jin YY, et al. (2024) Hippocampal adenosine-to-inosine RNA editing in sepsis: dynamic changes and influencing factors. Brain communications, 6(4), fcae260.

Karagianni K, et al. (2024) Recommendations for detection, validation, and evaluation of RNA editing events in cardiovascular and neurological/neurodegenerative diseases. Molecular therapy. Nucleic acids, 35(1), 102085.

Liu WW, et al. (2024) RNA modifications in cellular metabolism: implications for metabolism-targeted therapy and immunotherapy. Signal transduction and targeted therapy, 9(1), 70.

Xu J, et al. (2024) REDH: A database of RNA editome in hematopoietic differentiation and malignancy. Chinese medical journal, 137(3), 283.

Kleinova R, et al. (2023) The ADAR1 editome reveals drivers of editing-specificity for ADAR1-isoforms. Nucleic acids research, 51(9), 4191.

Wong TL, et al. (2023) ADAR1-mediated RNA editing of SCD1 drives drug resistance and self-renewal in gastric cancer. Nature communications, 14(1), 2861.

Riella CV, et al. (2022) ADAR regulates APOL1 via A-to-I RNA editing by inhibition of MDA5 activation in a paradoxical biological circuit. Proceedings of the National Academy of Sciences of the United States of America, 119(44), e2210150119.

Pingault V, et al. (2022) SOX10: 20 years of phenotypic plurality and current understanding of its developmental function. Journal of medical genetics, 59(2), 105.

Leptidis S, et al. (2022) Epitranscriptomics of cardiovascular diseases (Review). International journal of molecular medicine, 49(1).

Zhang Y, et al. (2022) Gene Expression Nebulas (GEN): a comprehensive data portal integrating transcriptomic profiles across multiple species at both bulk and single-cell levels. Nucleic acids research, 50(D1), D1016.

Park E, et al. (2021) Genetic variation and microRNA targeting of A-to-I RNA editing fine tune human tissue transcriptomes. Genome biology, 22(1), 77.

Mansi L, et al. (2021) REDportal: millions of novel A-to-I RNA editing events from thousands of RNAseq experiments. Nucleic acids research, 49(D1), D1012.

Tao J, et al. (2021) Transcriptome-Wide Identification of G-to-A RNA Editing in Chronic Social Defeat Stress Mouse Models. Frontiers in genetics, 12, 680548.