

Resource Summary Report

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AU-RICH ELEMENT-CONTAINING mRNA DATABASE

RRID:SCR_012978

Type: Tool

Proper Citation

AU-RICH ELEMENT-CONTAINING mRNA DATABASE (RRID:SCR_012978)

Resource Information

URL: <http://brp.kfshrc.edu.sa/ared>

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Description: The ARE-mRNA database (ARED) reveals that ARE-mRNAs encode a wide repertoire of functionally diverse proteins belonging to different biological processes and important in several disease states. Cluster analysis was performed using the ARE sequences to demonstrate potential relationships between the type and number of ARE motifs, and the functional characteristics of the proteins. Sponsors: This database is supported by The King Faisal Specialist Hospital and Research Center. Keywords: mRNA, Database, Au-rich, Element, Biological, Disease, State, Cluster, Analysis, Motif, Functional, Characteristic, Protein,

Synonyms: ARE Database

Resource Type: data or information resource, database

Resource Name: AU-RICH ELEMENT-CONTAINING mRNA DATABASE

Resource ID: SCR_012978

Alternate IDs: nif-0000-30039

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260811T043440+0000

Ratings and Alerts

No rating or validation information has been found for AU-RICH ELEMENT-CONTAINING mRNA DATABASE.

No alerts have been found for AU-RICH ELEMENT-CONTAINING mRNA DATABASE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Pan J, et al. (2026) USP30-AS1 functions as a post-transcriptional amplifier of interferon signalling to drive autoimmune pathogenesis. *Cell & bioscience*, 16(1).

Cheng B, et al. (2025) Posttranscriptional control of hepatic CEACAM1 3'UTR by human antigen R (HuR) mitigates sterile liver inflammation. *JCI insight*, 10(18).

Lecoutre S, et al. (2022) Beta-hydroxybutyrate dampens adipose progenitors' profibrotic activation through canonical Tgf β signaling and non-canonical ZFP36-dependent mechanisms. *Molecular metabolism*, 61, 101512.

Lin YC, et al. (2022) Calreticulin Regulates α 1-Integrin mRNA Stability in PC-3 Prostate Cancer Cells. *Biomedicines*, 10(3).

Karmouch J, et al. (2020) AChR γ -Subunit mRNAs Are Stabilized by HuR in a Mouse Model of Congenital Myasthenic Syndrome With Acetylcholinesterase Deficiency. *Frontiers in molecular neuroscience*, 13, 568171.

Sung SJ, et al. (2020) Interactions among glomerulus infiltrating macrophages and intrinsic cells via cytokines in chronic lupus glomerulonephritis. *Journal of autoimmunity*, 106, 102331.

Liebig JK, et al. (2020) HuRdling Senescence: HuR Breaks BRAF-Induced Senescence in Melanocytes and Supports Melanoma Growth. *Cancers*, 12(5).

Legrand N, et al. (2019) AU-rich element-binding proteins in colorectal cancer. *World journal of gastrointestinal oncology*, 11(2), 71.

Bakheet T, et al. (2018) ARED-Plus: an updated and expanded database of AU-rich element-containing mRNAs and pre-mRNAs. *Nucleic acids research*, 46(D1), D218.

Bakheet T, et al. (2018) The AU-rich element landscape across human transcriptome reveals a large proportion in introns and regulation by ELAVL1/HuR. *Biochimica et biophysica acta. Gene regulatory mechanisms*, 1861(2), 167.

Bachetti T, et al. (2015) miR-204 mediates post-transcriptional down-regulation of PHOX2B gene expression in neuroblastoma cells. *Biochimica et biophysica acta*, 1849(8), 1057.

Krishnan N, et al. (2014) The prolyl isomerase pin1 regulates mRNA levels of genes with short half-lives by targeting specific RNA binding proteins. *PloS one*, 9(1), e85427.

Boczonadi V, et al. (2014) EXOSC8 mutations alter mRNA metabolism and cause hypomyelination with spinal muscular atrophy and cerebellar hypoplasia. *Nature communications*, 5, 4287.

Brooks SA, et al. (2013) Tristetraprolin (TTP): interactions with mRNA and proteins, and current thoughts on mechanisms of action. *Biochimica et biophysica acta*, 1829(6-7), 666.

Allen M, et al. (2013) HuD promotes BDNF expression in brain neurons via selective stabilization of the BDNF long 3'UTR mRNA. *PloS one*, 8(1), e55718.

Jin WJ, et al. (2012) Downregulation of the AU-rich RNA-binding protein ZFP36 in chronic HBV patients: implications for anti-inflammatory therapy. *PloS one*, 7(3), e33356.

Mura M, et al. (2012) The role of the 3'UTR region in the regulation of the ACVR1/Alk-2 gene expression. *PloS one*, 7(12), e50958.

Li X, et al. (2012) IL-35 is a novel responsive anti-inflammatory cytokine--a new system of categorizing anti-inflammatory cytokines. *PloS one*, 7(3), e33628.

Perrone-Bizzozero NI, et al. (2011) Increased expression of axogenesis-related genes and mossy fibre length in dentate granule cells from adult HuD overexpressor mice. *ASN neuro*, 3(5), 259.

Omnus DJ, et al. (2011) JKTBP1 is involved in stabilization and IRES-dependent translation of NRF mRNAs by binding to 5' and 3' untranslated regions. *Journal of molecular biology*, 407(4), 492.