

Resource Summary Report

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Adenylate Uridylate-rich-Rich Element-Containing mRNA Database

RRID:SCR_013107

Type: Tool

Proper Citation

Adenylate Uridylate-rich-Rich Element-Containing mRNA Database (RRID:SCR_013107)

Resource Information

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

Proper Citation: Adenylate Uridylate-rich-Rich Element-Containing mRNA Database (RRID:SCR_013107)

Description: Database that contains the complete entries of human ARE-containing full-length mRNAs.

ARED is further clustered into five groups depending on the number of motifs in the ARE stretch. Groups 1-4 contain five, four, three and two pentameric (AUUUA) repeats, respectively, while Group 5 contains only one repeat within the 13-bp pattern. Clustering was performed in such a way that, for example, Group 1 included not only exact five or more continuous ARE pentamers but also those with 10% ambiguity, so that a stretch of NUUUUUUUUUUUUUUUUN would fall in this category. This process was verified by a phylogenetic tree relationship using Clustal-W alignment of ARE stretches and their variations. As could be expected, this analysis showed that the lower the number of ARE motifs in a group, the higher the number of sequences that were included, and apparently the more functionally diverse the corresponding ARE-genes.

Abbreviations: ARED

Synonyms: Adenylate Uridylate-Rich Element-mRNA database

Resource Type: database, data or information resource

Keywords: adenylate uridylate-rich element-mrna, are-gene, mrna, rna sequence database

Resource Name: Adenylate Uridylate-rich-Rich Element-Containing mRNA Database

Resource ID: SCR_013107

Alternate IDs: nif-0000-02566

Old URLs: <http://rc.kfshrc.edu.sa/ared/>

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260807T042805+0000

Ratings and Alerts

No rating or validation information has been found for Adenylate Uridylate-rich-Rich Element-Containing mRNA Database.

No alerts have been found for Adenylate Uridylate-rich-Rich Element-Containing mRNA Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Khabar KS, et al. (2017) Hallmarks of cancer and AU-rich elements. Wiley interdisciplinary reviews. RNA, 8(1).

Desroches-Castan A, et al. (2017) ACTH Action on Messenger RNA Stability Mechanisms. Frontiers in endocrinology, 8, 3.

Ganguly K, et al. (2016) Post-transcriptional Regulation of Immunological Responses through Riboclustering. Frontiers in immunology, 7, 161.

Stigliani S, et al. (2015) Deregulation of focal adhesion pathway mediated by miR-659-3p is implicated in bone marrow infiltration of stage M neuroblastoma patients. Oncotarget, 6(15), 13295.

Williams C, et al. (2009) Transcriptome analysis of synaptoneuroosomes identifies neuroplasticity genes overexpressed in incipient Alzheimer's disease. PloS one, 4(3), e4936.