

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

## DREME

RRID:SCR\_016860

Type: Tool

### Proper Citation

DREME (RRID:SCR\_016860)

### Resource Information

**URL:** <http://meme-suite.org/tools/dreme>

**Proper Citation:** DREME (RRID:SCR\_016860)

**Description:** Software tool to discover short, ungapped motifs (recurring, fixed-length patterns) that are relatively enriched in sequences compared with shuffled sequences or control sequences (sample output from sequences).

**Synonyms:** Discriminative Regular Expression Motif Elicitation, DREME

**Resource Type:** analysis service resource, data analysis service, production service resource, service resource

**Keywords:** discover, short, ungapped, motif, sequence, compare, shuffled, control, sample, output, recurring, fixed, length, pattern, data

**Availability:** Free, Available for download, Freely available

**Resource Name:** DREME

**Resource ID:** SCR\_016860

**Record Creation Time:** 20220129T080332+0000

**Record Last Update:** 20260905T133214+0000

### Ratings and Alerts

No rating or validation information has been found for DREME.

No alerts have been found for DREME.

### Data and Source Information

## Usage and Citation Metrics

We found 23 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Zhao DY, et al. (2026) RNA-binding proteins TDP-43 and FUS promote R-loop resolution and regulate transcription termination. *The Journal of biological chemistry*, 302(5), 111348.

Xu T, et al. (2026) Genome-Wide Identification of Binding Motifs and Drought-Responsive Target Genes by the Transcription Factor ZmNAC20 in Maize. *Plants (Basel, Switzerland)*, 15(3).

Zhang S, et al. (2024) Knockdown of IGF2BP2 overcomes cisplatin-resistance in lung cancer through downregulating Spon2 gene. *Hereditas*, 161(1), 55.

Cerav EN, et al. (2024) Transcriptome-Wide N6-Methyladenosine (m6A) Methylation Analyses in a Compatible Wheat-Puccinia striiformis f. sp. tritici Interaction. *Plants (Basel, Switzerland)*, 13(7).

Zhao J, et al. (2023) Changes in m6A RNA methylation are associated with male sterility in wolfberry. *BMC plant biology*, 23(1), 456.

Ayyildiz D, et al. (2023) CAG repeat expansion in the Huntington's disease gene shapes linear and circular RNAs biogenesis. *PLoS genetics*, 19(10), e1010988.

Pan Y, et al. (2023) METTL3 drives NAFLD-related hepatocellular carcinoma and is a therapeutic target for boosting immunotherapy. *Cell reports. Medicine*, 4(8), 101144.

Wang S, et al. (2022) Comprehensive Analysis of Long Noncoding RNA Modified by m6A Methylation in Oxidative and Glycolytic Skeletal Muscles. *International journal of molecular sciences*, 23(9).

Alvelos MI, et al. (2021) The RNA-binding profile of the splicing factor SRSF6 in immortalized human pancreatic ??-cells. *Life science alliance*, 4(3).

Broche J, et al. (2021) Genome-wide investigation of the dynamic changes of epigenome modifications after global DNA methylation editing. *Nucleic acids research*, 49(1), 158.

Sanborn AL, et al. (2021) Simple biochemical features underlie transcriptional activation domain diversity and dynamic, fuzzy binding to Mediator. *eLife*, 10.

Zhang K, et al. (2021) The dynamics of N6-methyladenine RNA modification in interactions between rice and plant viruses. *Genome biology*, 22(1), 189.

Rozen-Gagnon K, et al. (2021) Argonaute-CLIP delineates versatile, functional RNAi networks in *Aedes aegypti*, a major vector of human viruses. *Cell host & microbe*, 29(5), 834.

Jiao J, et al. (2021) An age-downregulated ribosomal RpS28 protein variant regulates the muscle proteome. *G3 (Bethesda, Md.)*, 11(7).

Cheng B, et al. (2021) Profiling of RNA N<sup>6</sup>-Methyladenosine Methylation Reveals the Critical Role of m<sup>6</sup>A in Chicken Adipose Deposition. *Frontiers in cell and developmental biology*, 9, 590468.

Chetta M, et al. (2020) Rising Roles of Small Noncoding RNAs in Cotranscriptional Regulation: In Silico Study of miRNA and piRNA Regulatory Network in Humans. *Genes*, 11(5).

Rieger MA, et al. (2020) CLIP and Massively Parallel Functional Analysis of CELF6 Reveal a Role in Destabilizing Synaptic Gene mRNAs through Interaction with 3' UTR Elements. *Cell reports*, 33(12), 108531.

Reddington JP, et al. (2020) Lineage-Resolved Enhancer and Promoter Usage during a Time Course of Embryogenesis. *Developmental cell*, 55(5), 648.

Tu M, et al. (2020) Grapevine VlbZIP30 improves drought resistance by directly activating VvNAC17 and promoting lignin biosynthesis through the regulation of three peroxidase genes. *Horticulture research*, 7, 150.

Hasler D, et al. (2020) The Alzami Syndrome-Associated Protein LARP7 Guides U6 Small Nuclear RNA Modification and Contributes to Splicing Robustness. *Molecular cell*, 77(5), 1014.