

Resource Summary Report

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PolyA DB

RRID:SCR_007867

Type: Tool

Proper Citation

PolyA DB (RRID:SCR_007867)

Resource Information

URL: <http://polya.umdj.edu/>

Proper Citation: PolyA DB (RRID:SCR_007867)

Description: A database of mRNA polyadenylation sites. PolyA_DB version 1 contains human and mouse poly(A) sites that are mapped by cDNA/EST sequences. PolyA_DB version 2 contains poly(A) sites in human, mouse, rat, chicken and zebrafish that are mapped by cDNA/EST and Trace sequences. Sequence alignments between orthologous sites are available. PolyA_SVM predicts poly(A) sites using 15 cis elements identified for human poly(A) sites.

Abbreviations: PolyA_DB

Resource Type: data or information resource, database

Keywords: FASEB list

Resource Name: PolyA DB

Resource ID: SCR_007867

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260829T183009+0000

Ratings and Alerts

No rating or validation information has been found for PolyA DB.

No alerts have been found for PolyA DB.

Data and Source Information

Usage and Citation Metrics

We found 105 mentions in open access literature.

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

Yu S, et al. (2026) PolyA_DB v4: systematic polyA site identification and isoform annotation in human and mouse genomes using 3' end and long-read sequencing data. Nucleic acids research, 54(D1), D247.

Zhu Y, et al. (2026) 3'UTR shortening alleviates miRNA repression of mRNAs critical for muscle stem cell differentiation. The EMBO journal, 45(3), 722.

Ye W, et al. (2026) PolyAseqTrap: a universal tool for genome-wide identification and quantification of polyadenylation sites from different 3' end sequencing data. Genome biology, 27(1).

Bresnahan ST, et al. (2026) Long-read assembly reveals vast transcriptional complexity in the placenta associated with metabolic and endocrine function. Nature communications, 17(1).

Zicarelli A, et al. (2025) PARP-1 as a novel target in endocrine-resistant breast cancer. Journal of experimental & clinical cancer research : CR, 44(1), 175.

DeLine-Caballero S, et al. (2025) COVID-19 induces persistent transcriptional changes in adipose tissue that are not associated with Long COVID. bioRxiv : the preprint server for biology.

Peng YJ, et al. (2025) Activation of the Carotid Body by Kappa Opioid Receptors Mitigates Fentanyl-Induced Respiratory Depression. Function (Oxford, England), 6(3).

Gazzara MR, et al. (2025) Integrative analysis of RNA binding proteins identifies DDX55 as a novel regulator of 3'UTR isoform diversity. bioRxiv : the preprint server for biology.

McGuckin MM, et al. (2025) Hypoxic pregnancy promotes fibrosis and increases stress metabolites in the ovine fetal liver. The Journal of physiology, 603(10), 3223.

Hu Q, et al. (2025) Nanoparticle Delivery of Antisense miR162 Inhibits Invasive Habitat Adaption of Alternanthera Philoxeroides. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(22), e2416747.

Law STS, et al. (2025) Genome of tropical bed bug Cimex hemipterus (Cimicidae, Hemiptera) reveals tetraspanin expanded in bed bug ancestor. Insect science, 32(1), 42.

Zou X, et al. (2025) Impact of rare non-coding variants on human diseases through alternative polyadenylation outliers. Nature communications, 16(1), 682.

Tang X, et al. (2025) SLC27A5 inhibits cancer stem cells by inducing alternative polyadenylation of METTL14 in hepatocellular carcinoma. Genes & diseases, 12(4),

101488.

Mandinova A, et al. (2025) Fatty Acid Oxidation Fuels Mitochondrial Respiration to Drive Epidermal Stem Cell Fate and Barrier Regeneration. Research square.

Mukherjee S, et al. (2025) The alternative polyadenylation regulator CFIm25 promotes macrophage differentiation and activates the NF- κ B pathway. Cell communication and signaling : CCS, 23(1), 115.

Tatar M, et al. (2025) An insulin-sensitive Drosophila insulin-like receptor mutant remodels methionine metabolism to extend lifespan. PLoS genetics, 21(6), e1011640.

Tian Q, et al. (2025) Benchmarking of methods that identify alternative polyadenylation events in single-/multiple-polyadenylation site genes. NAR genomics and bioinformatics, 7(2), lqaf056.

Tatar M, et al. (2025) Mutation of an insulin-sensitive Drosophila insulin-like receptor mutant requires methionine metabolism reprogramming to extend lifespan. bioRxiv : the preprint server for biology.

Guan Y, et al. (2025) CaMKK2 Regulates Macrophage Polarization Induced by Matrix Stiffness: Implications for Shaping the Immune Response in Stiffened Tissues. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(16), e2417778.

Geng Z, et al. (2025) Astrocytic FABP7 Alleviates Depression-Like Behaviors of Chronic Unpredictable Mild Stress Mice by Regulating Neuroinflammation and Hippocampal Spinogenesis. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(9), e70606.