

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/>

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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: database, data or information resource

Keywords: FASEB list

Resource Name: PolyA DB

Resource ID: SCR_007867

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260819T044218+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 [dkNET](#) .

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).

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

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.

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.

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.

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.

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.

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.

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.

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

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.

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.

Church SJ, et al. (2025) Oncogenic signaling in the Drosophila prostate-like accessory gland activates a pro-tumorigenic program in the absence of proliferation. Disease models & mechanisms, 18(4).

Bresnahan ST, et al. (2025) Long-read transcriptome assembly reveals vast isoform diversity in the placenta associated with metabolic and endocrine function. bioRxiv : the preprint server for biology.