

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

piRNABank

RRID:SCR_007858

Type: Tool

Proper Citation

piRNABank (RRID:SCR_007858)

Resource Information

URL: <http://pirnabank.ibab.ac.in/>

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Description: A web analysis system and resource, which provides comprehensive information on piRNAs in the widely studied mammals. It compiles all the possible clusters of piRNAs and also depicts piRNAs along with the associated genomic elements like genes and repeats on a genome wide map. piRNABank mainly provides data onnamely Human, Mouse, Rat, Zebrafish, Platypus and a fruit fly, Drosophila. Search options have been designed to query and obtain useful data from this online resource. It also facilitates abstraction of sequences and structural features from piRNA data. piRNABank provides the following features: * Simple search * Search piRNA clusters * Search homologous piRNAs * piRNA visualization map * Analysis tools, THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: piRNABank

Resource Type: database, data or information resource

Keywords: FASEB list

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: piRNABank

Resource ID: SCR_007858

Alternate IDs: nif-0000-03293

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260808T190417+0000

Ratings and Alerts

No rating or validation information has been found for piRNABank.

No alerts have been found for piRNABank.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 172 mentions in open access literature.

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

Potemkin N, et al. (2025) Whole Transcriptome RNA-Seq Reveals Drivers of Pathological Dysfunction in a Transgenic Model of Alzheimer's Disease. *Molecular neurobiology*, 62(8), 10144.

Vaz C, et al. (2025) Short-term diet intervention comprising of olive oil, vitamin D, and omega-3 fatty acids alters the small non-coding RNA (sncRNA) landscape of human sperm. *Scientific reports*, 15(1), 7790.

Rao J, et al. (2025) A 6-tsRNA signature for early detection, treatment response monitoring, and prognosis prediction in diffuse large B cell lymphoma. *Blood cancer journal*, 15(1), 79.

Kim A, et al. (2025) Exploring Organ-Specific Extracellular Vesicles in Metabolic Improvements Following Bariatric Surgery in Youth With Obesity. *Obesity (Silver Spring, Md.)*, 33(11), 2181.

Ai J, et al. (2025) Small Extracellular Vesicles Orchestrate Cisplatin-Induced Ototoxicity: Potential Biomarker and Targets Discovery. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(30), e02627.

Huang J, et al. (2025) Diagnostic and prognostic potential of cell-free RNAs in cerebrospinal fluid and plasma for brain tumors. *NPJ precision oncology*, 9(1), 123.

't Hart LM, et al. (2024) Small RNA sequencing reveals snoRNAs and piRNA-019825 as novel players in diabetic kidney disease. *Endocrine*, 86(1), 194.

Guo C, et al. (2024) Databases and computational methods for the identification of piRNA-related molecules: A survey. *Computational and structural biotechnology journal*, 23, 813.

Tomar A, et al. (2024) Epigenetic inheritance of diet-induced and sperm-borne mitochondrial RNAs. *Nature*, 630(8017), 720.

Ismaeel A, et al. (2024) Coordinated Regulation of Myonuclear DNA Methylation, mRNA, and miRNA Levels Associates With the Metabolic Response to Rapid Synergist Ablation-Induced Skeletal Muscle Hypertrophy in Female Mice. *Function (Oxford, England)*, 5(1), zqad062.

Peng Q, et al. (2024) PiRNA-4447944 promotes castration-resistant growth and metastasis of prostate cancer by inhibiting NEFH expression through forming the piRNA-4447944-PIWIL2-NEFH complex. *International journal of biological sciences*, 20(9), 3638.

Ryan CP, et al. (2024) The CALERIE™ Genomic Data Resource. *bioRxiv : the preprint server for biology*.

Sebastiani G, et al. (2024) A set of circulating microRNAs belonging to the 14q32 chromosome locus identifies two subgroups of individuals with recent-onset type 1 diabetes. *Cell reports. Medicine*, 5(6), 101591.

Gál L, et al. (2024) Exosomal small RNA profiling in first-trimester maternal blood explores early molecular pathways of preterm preeclampsia. *Frontiers in immunology*, 15, 1321191.

Palade J, et al. (2024) Small RNA Changes in Plasma Have Potential for Early Diagnosis of Alzheimer's Disease before Symptom Onset. *Cells*, 13(3).

Rehman S, et al. (2024) Small RNA and Freeze Survival: The Cryoprotective Functions of MicroRNA in the Frozen Muscle Tissue of the Grey Tree Frog. *Metabolites*, 14(7).

Wang J, et al. (2024) Terminal modifications independent cell-free RNA sequencing enables sensitive early cancer detection and classification. *Nature communications*, 15(1), 156.

Zhang C, et al. (2024) Diagnostic and screening potential of plasma exosome miR-99b-5p and its combination with other miRNAs for colorectal cancer. *Oncology letters*, 28(4), 461.

Li B, et al. (2024) Recent advances of PIWI-interacting RNA in cardiovascular diseases. *Clinical and translational medicine*, 14(8), e1770.

Huang X, et al. (2024) Diabetic Macrophage Exosomal miR-381-3p Inhibits Epithelial Cell Autophagy Via NR5A2. *International dental journal*, 74(4), 823.