

Resource Summary Report

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biomaRt

RRID:SCR_019214

Type: Tool

Proper Citation

biomaRt (RRID:SCR_019214)

Resource Information

URL: <https://bioconductor.org/packages/biomaRt/>

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Description: Software package that integrates BioMart data resources with data analysis software in Bioconductor. Can annotate range of gene or gene product identifiers including Entrez Gene and Affymetrix probe identifiers with information such as gene symbol, chromosomal coordinates, Gene Ontology and OMIM annotation. Enables retrieval of genomic sequences and single nucleotide polymorphism information, which can be used in data analysis.

Synonyms: biomaRt v 2.42.1

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:16082012](#)

Keywords: BioMart databases, Bioconductor, data analysis, BioMart data integration, gene annotation, gene product identifiers annotation, gene symbol retrieval, chromosomal coordinates retrieval, genomic sequence retrieval, nucleotide polymorphism information, , bio.tools

Availability: Free, Available for download, Freely available

Resource Name: biomaRt

Resource ID: SCR_019214

Alternate IDs: biotools:biomart

Alternate URLs: <https://bio.tools/biomart>

License: Artistic-2.0

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260912T195910+0000

Ratings and Alerts

No rating or validation information has been found for biomaRt.

No alerts have been found for biomaRt.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2879 mentions in open access literature.

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

Hollis RL, et al. (2026) Molecular Profiling and Tumor Biomarker Analysis of GOG281/LOGS: A Positive Late-Phase Trial of Trametinib for Recurrent/Persistent Low-Grade Serous Ovarian Carcinoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(4), 724.

Radke K, et al. (2026) Repurposing statins and phenothiazines to treat chemoresistant neuroblastoma. EMBO molecular medicine, 18(2), 433.

Ferrena A, et al. (2026) Single-Cell RNA Analysis of Murine Osteosarcoma Uncovers Skp2 Function in Metastasis, Genomic Instability, and Immune Activation and Reveals Additional Target Pathways. Cancer research communications, 6(4), 923.

Sun W, et al. (2026) Reconstruction of T cell infiltration in an osteosarcoma PDX-organoid interactive biobank for personalized immunotherapy. Cell reports. Medicine, 7(3), 102644.

Su Q, et al. (2026) Integrated bulk RNA-seq and scRNA-seq identification of a novel "PET-SPI1-MYL9" transcriptional axis in lung adenocarcinoma driven by polyethylene terephthalate exposure. Translational cancer research, 15(3), 173.

Sharifi O, et al. (2026) Female cortical cellular mosaicism underlies shared MeCP2 and PCB impacted gene pathways. iScience, 29(5), 115573.

Laforêts F, et al. (2026) Matrix structure and microenvironment dynamics correlate with chemotherapy response in ovarian cancer. iScience, 29(3), 114858.

Kobayashi H, et al. (2026) A self-amplifying nerve-fibroblast circuit drives colorectal cancer progression. Cancer cell.

Xu X, et al. (2026) A Multistep Immune-Competent Genetically Engineered Mouse Model Reveals Phenotypic Plasticity in Uveal Melanoma. Cancer research, 86(15), 3666.

Altendorf L, et al. (2026) Molecular changes during AT/RT progression associated with epithelial-mesenchymal transition and extracellular matrix changes. *Acta neuropathologica*, 152(1).

Ulmke PA, et al. (2026) Identification of novel genes with enriched expression in human intermediate progenitors reveals a key role for CDKN3 in cortical development. *Stem cell reports*, 103012.

Schulz A, et al. (2026) LAMA5 links extracellular matrix organization to a candidate WNT-associated endothelial signaling niche during human chondrogenesis. *iScience*, 29(8), 116687.

Katko A, et al. (2026) Gene regulatory network determinants of rapid recall in human memory CD4+ T cells. *Cell reports*, 45(4), 117103.

Martín A, et al. (2026) Targeted KRASG12V Degradation in vivo Elicits Lung Adenocarcinoma Regression with Subsequent Relapse from Dysregulated Proteolysis. *Cancer research*.

Nigri J, et al. (2026) Myofibroblasts Induce Neuroplasticity to Promote Pancreatic Inflammation and Cancer Progression. *Cancer discovery*, 16(5), 1014.

Harris Snell P, et al. (2026) Coordinated regulation of mRNA translation and stability by ZC3H7A and ZC3H7B RNA-binding proteins. *Cell reports*, 45(6), 117511.

Ferolito BR, et al. (2026) Leveraging large-scale biobanks for therapeutic target discovery. *HGG advances*, 7(1), 100556.

Arevalo-Turrubiarte M, et al. (2026) Transcriptomic Remodeling of Pulmonary Vein Sleeves Suggests a Role in Atrial Arrhythmogenesis in Thoroughbred Horses. *Annals of the New York Academy of Sciences*, 1556(1), e70170.

Riley SE, et al. (2026) In vivo screen reveals specific roles of Hippo pathway components in development and regeneration. *Life science alliance*, 9(3).

Eufrásio A, et al. (2026) A conserved 3'UTR short motif regulates gene expression in vertebrates. *Nucleic acids research*, 54(1).