

Resource Summary Report

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Rat Gene Symbol Tracker

RRID:SCR_003261

Type: Tool

Proper Citation

Rat Gene Symbol Tracker (RRID:SCR_003261)

Resource Information

URL: <http://ratmap.gen.gu.se/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented May 10, 2017. A pilot effort that has developed a centralized, web-based biospecimen locator that presents biospecimens collected and stored at participating Arizona hospitals and biospecimen banks, which are available for acquisition and use by researchers. Researchers may use this site to browse, search and request biospecimens to use in qualified studies. The development of the ABL was guided by the Arizona Biospecimen Consortium (ABC), a consortium of hospitals and medical centers in the Phoenix area, and is now being piloted by this Consortium under the direction of ABRC. You may browse by type (cells, fluid, molecular, tissue) or disease. Common data elements decided by the ABC Standards Committee, based on data elements on the National Cancer Institute's (NCI's) Common Biorepository Model (CBM), are displayed. These describe the minimum set of data elements that the NCI determined were most important for a researcher to see about a biospecimen. The ABL currently does not display information on whether or not clinical data is available to accompany the biospecimens. However, a requester has the ability to solicit clinical data in the request. Once a request is approved, the biospecimen provider will contact the requester to discuss the request (and the requester's questions) before finalizing the invoice and shipment. The ABL is available to the public to browse. In order to request biospecimens from the ABL, the researcher will be required to submit the requested required information. Upon submission of the information, shipment of the requested biospecimen(s) will be dependent on the scientific and institutional review approval. Account required. Registration is open to everyone., documented September 2, 2016. Database for defining official rat gene symbols. It includes rat gene symbols from three major sources: the Rat Genome Database (RGD), Ensembl, and NCBI-Gene. All rat symbols are compared with official symbols from orthologous human genes as specified by the Human Gene Nomenclature Committee (HGNC). Based on the outcome of the comparisons, a rat gene symbol may be selected. Rat symbols that do not match a human ortholog undergo a strict procedure of comparisons between the different rat gene sources as well as with the Mouse Genome Database (MGD). For each rat gene this procedure

results in an unambiguous gene designation. The designation is presented as a status level that accompanies every rat gene symbol suggested in the database. The status level describes both how a rat symbol was selected, and its validity. Rat Gene Symbol Tracker approves rat gene symbols by an automatic procedure. The rat genes are presented with links to RGD, Ensembl, NCBI Gene, MGI and HGNC. RGST ensures that each acclaimed rat gene symbol is unique and follows the guidelines given by the RGNC. To each symbol a status level associated, describing the gene naming process.

Abbreviations: RGST

Synonyms: RGST (Rat Gene Symbol Tracker), RGST - Rat Gene Symbol Tracker

Resource Type: data or information resource, database

Defining Citation: [PMID:18215257](#)

Keywords: gene, orthology, naming, gene symbol, nomenclature, human, mouse

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Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Rat Gene Symbol Tracker

Resource ID: SCR_003261

Alternate IDs: nif-0000-31426

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260905T133120+0000

Ratings and Alerts

No rating or validation information has been found for Rat Gene Symbol Tracker.

No alerts have been found for Rat Gene Symbol Tracker.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Ciszak M, et al. (2016) Plant shoots exhibit synchronized oscillatory motions. *Communicative & integrative biology*, 9(5), e1238117.

Ciszak M, et al. (2012) Swarming behavior in plant roots. *PloS one*, 7(1), e29759.

Romano P, et al. (2009) Cell Line Data Base: structure and recent improvements towards molecular authentication of human cell lines. *Nucleic acids research*, 37(Database issue), D925.

Poleskaya OO, et al. (2007) Nicotine causes age-dependent changes in gene expression in the adolescent female rat brain. *Neurotoxicology and teratology*, 29(1), 126.

Miller JM, et al. (2006) Gene expression analysis of the development of congenital hydrocephalus in the H-Tx rat. *Brain research*, 1075(1), 36.

Fadiel A, et al. (2005) Farm animal genomics and informatics: an update. *Nucleic acids research*, 33(19), 6308.

Tsuji AB, et al. (2005) Fine mapping of radiation susceptibility and gene expression analysis of LEC congenic rat lines. *Genomics*, 86(3), 271.

Hoglund PJ, et al. (2005) The repertoire of solute carriers of family 6: identification of new human and rodent genes. *Biochemical and biophysical research communications*, 336(1), 175.

Petersen G, et al. (2005) RatMap--rat genome tools and data. *Nucleic acids research*, 33(Database issue), D492.

Olofsson P, et al. (2004) Inconsistent susceptibility to autoimmunity in inbred LEW rats is due to genetic crossbreeding involving segregation of the arthritis-regulating gene *Ncf1*. *Genomics*, 83(5), 765.

Fischer G, et al. (2003) Expressionview: visualization of quantitative trait loci and gene-expression data in Ensembl. *Genome biology*, 4(11), R77.

Carr LG, et al. (2003) AA and ANA rats exhibit the R100Q mutation in the GABAA receptor alpha 6 subunit. *Alcohol (Fayetteville, N.Y.)*, 31(1-2), 93.

Meng H, et al. (2003) Localization of a blood pressure QTL to a 2.4-cM interval on rat chromosome 9 using congenic strains. *Genomics*, 81(2), 210.

Peruzzi D, et al. (2000) Identification and chromosomal localisation by fluorescence in situ hybridisation of human gene of phosphoinositide-specific phospholipase C beta(1). *Biochimica et biophysica acta*, 1484(2-3), 175.