Resource Summary Report

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HAMSTeRS - The Haemophilia A Mutation Structure Test and Resource Site

RRID:SCR_006883
Type: Tool

Proper Citation

HAMSTeRS - The Haemophilia A Mutation Structure Test and Resource Site (RRID:SCR_006883)

Resource Information

URL: http://scicrunch.org

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on August 27, 2019.

Database for those interested in the consequences of Factor VIII genetic variation at the DNA and protein level, it provides access to data on the molecular pathology of haemophilia A. The database presents a review of the structure and function of factor VIII and the molecular genetics of haemophilia A, a real time update of the biostatistics of each parameter in the database, a molecular model of the A1, A2 and A3 domains of the factor VIII protein (based on the crystal structure of caeruloplasmin) and a bulletin board for discussion of issues in the molecular biology of factor VIII. The database is completely updated with easy submission of point mutations, deletions and insertions via e-mail of custom-designed forms. A methods section devoted to mutation detection is available, highlighting issues such as choice of technique and PCR primer sequences. The FVIII structure section now includes a download of a FVIII A domain homology model in Protein Data Bank format and a multiple alignment of the FVIII amino-acid sequences from four species (human, murine, porcine and canine) in addition to the virtual reality simulations, secondary structural data and FVIII animation already available. Finally, to aid navigation across this site, a clickable roadmap of the main features provides easy access to the page desired. Their intention is that continued development and updating of the site shall provide workers in the fields of molecular and structural biology with a one-stop resource site to facilitate FVIII research and education. To submit your mutants to the Haemophilia A

Mutation Database email the details. (Refer to Submission Guidelines)

Abbreviations: HAMSTeRS, HADB, HADB/HAMSTeRS, HADB / HAMSTeRS

Synonyms: HAMSTeRS - The Haemophilia A Mutation Structure Test Resource Site, Haemophilia A Mutation Database, Haemophilia A Mutation Structure Test and Resource Site, Haemophilia A Mutation Structure Test Resource Site

Resource Type: service resource, data repository, data or information resource, database, storage service resource

Defining Citation: PMID:9399839, PMID:9016520, PMID:8594555

Keywords: function, gene, genetic, analysis, bioinformatic, biological, biostatistic, caeruloplasmiin, crystal, haemophilia a, human, murine, porcine, canine, level, molecular, molecule, mutation, nucleic acid, or disease- specific databases, pathology, structural, structure, system-, vitromutagenesis, fviii genetic variation, dna, protein, factor viii, blood-clotting protein, point mutation, deletion, insertion

Funding: Pfizer UK ;
MRC

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: HAMSTeRS - The Haemophilia A Mutation Structure Test and Resource Site

Resource ID: SCR_006883

Alternate IDs: nif-0000-21184

Old URLs: http://europium.csc.mrc.ac.uk/WebPages/Main/main.htm, http://hadb.org.uk/

Record Creation Time: 20220129T080238+0000

Record Last Update: 20250514T061418+0000

Ratings and Alerts

No rating or validation information has been found for HAMSTeRS - The Haemophilia A Mutation Structure Test and Resource Site.

No alerts have been found for HAMSTeRS - The Haemophilia A Mutation Structure Test and Resource Site.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Al-Allaf FA, et al. (2017) Molecular Analysis of Factor VIII and Factor IX Genes in Hemophilia Patients: Identification of Novel Mutations and Molecular Dynamics Studies. Journal of clinical medicine research, 9(4), 317.

Sarachana T, et al. (2015) Small ncRNA Expression-Profiling of Blood from Hemophilia A Patients Identifies miR-1246 as a Potential Regulator of Factor 8 Gene. PloS one, 10(7), e0132433.

Qiao SK, et al. (2014) Compound heterozygous hemophilia A in a female patient and the identification of a novel missense mutation, p.Met1093Ile. Molecular medicine reports, 9(2), 466.

Pandey GS, et al. (2013) Polymorphisms in the F8 gene and MHC-II variants as risk factors for the development of inhibitory anti-factor VIII antibodies during the treatment of hemophilia a: a computational assessment. PLoS computational biology, 9(5), e1003066.

Pandey GS, et al. (2013) Detection of intracellular Factor VIII protein in peripheral blood mononuclear cells by flow cytometry. BioMed research international, 2013, 793502.

Roth SD, et al. (2012) Chemical chaperones improve protein secretion and rescue mutant factor VIII in mice with hemophilia A. PloS one, 7(9), e44505.

Elmahmoudi H, et al. (2012) First report of molecular diagnosis of Tunisian hemophiliacs A: identification of 8 novel causative mutations. Diagnostic pathology, 7, 93.

Rossetti LC, et al. (2011) Eighteen years of molecular genotyping the hemophilia inversion hotspot: from southern blot to inverse shifting-PCR. International journal of molecular sciences, 12(10), 7271.

Chetta M, et al. (2008) Identification of FVIII gene mutations in patients with hemophilia A using new combinatorial sequencing by hybridization. Indian journal of human genetics, 14(2), 55.