Resource Summary Report

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Neal's DNA Mutation Site

RRID:SCR_002947
Type: Tool

Proper Citation

Neal's DNA Mutation Site (RRID:SCR_002947)

Resource Information

URL: http://www.ibiblio.org/dnam/mainpage.html

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Description: This site provides access to mutation databases and software including the human hprt database, Human p53 database, Transgenic lacZ database, and Transgenic lacI database. Other avaialble programs include Mutational spectra comparison and relational database data entry. The most recent hprt database contains information on over 2,300 mutations found in vivo and in vitro in the human hprt gene and runs under Windows. The version for evaluation on this homepage has fewer mutations and is a DOS program. The database contains information on the mutagen, dose, spontaneous and induced mutant fraction, base position, amino acid position, amino acid change, local DNA sequence, cell type, citation, and other items. In addition, information regarding the cause and effect of mutations affecting splicing is given. Routines have been developed for the analysis of single base substitutions. The p53 database contains information on nearly 5,867 mutations found in the human p53 gene. The database itself has been updated in April of 1997. The database contains information on the cancer type, loss of heterozygosity, base position, amino acid position, amino acid change, local DNA sequence,citation, and other items. Routines have been developed for the analysis of single base substitutions. The Transgenic lacZ database contains information on 405 mutations found in vivo in the transgenic lacZ gene. It has last been updated in January of 1998. It provides information on the mutagen, dose, organ, mutant fraction, base position, amino acid position, amino acid change, local DNA sequence, citation, and other items. The Transgenic lacI database contains information on over 1700 mutations found in vivo in the transgenic lacI gene and on nearly 8000 mutations in the lacI gene in native E. coli. The database was updated in January 1998. The database contains information on the mutagen, dose, organ, mutant fraction, base position, amino acid position, amino acid change, local DNA sequence, citation, and other items. Routines have been developed for the analysis of single base substitutions for each of the databases. The software runs only on IBM-compatible PCs.

Abbreviations: Neal's DNA Mutation Site

Synonyms: Human p53 Human hprt Rodent lacI and Rodent lacZ Databases and Software, Human p53 Human hprt Rodent lacI and Rodent lacZ Databases, Human p53 Human hprt Rodent lacI Rodent lacZ Databases

Resource Type: software application, data analysis software, database, data processing software, topical portal, data or information resource, portal, software resource

Keywords: human, mouse

Funding:

Resource Name: Neal's DNA Mutation Site

Resource ID: SCR_002947

Alternate IDs: nif-0000-02995

Record Creation Time: 20220129T080216+0000

Record Last Update: 20250517T055556+0000

Ratings and Alerts

No rating or validation information has been found for Neal's DNA Mutation Site.

No alerts have been found for Neal's DNA Mutation Site.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Scheffler A, et al. (2015) Mutagenic potential of the isoflavone irilone in cultured V79 cells. Toxicology letters, 234(2), 81.

Nelson DR, et al. (2005) 'A variant of uncertain significance' and the proliferation of human disease gene databases. Human genomics, 2(1), 70.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.

Young RR, et al. (2002) Genetic toxicology: web resources. Toxicology, 173(1-2), 103.