

Resource Summary Report

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Unigene MicroSatellite database

RRID:SCR_007968

Type: Tool

Proper Citation

Unigene MicroSatellite database (RRID:SCR_007968)

Resource Information

URL: <http://ipu.ac.in/usbt/UgMicroSatdb.htm>

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Description: This is a database of microsatellite sequences (short tandem repeats useful in gene comparison and kinship studies) present in 80 genomes. Users can search the database by microsatellite type, repeat unit length (mono- to hexa-nucleotide), repeat number, microsatellite length and repeat sequence class. They can also search by specifying EST, cDNA, CDS identity or by using Gene Index, GenBank, UniGene IDs. Microsatellites, also known as simple sequence repeats (SSRs) or simple tandem repeats (STRs), have extensively been exploited as molecular markers for diverse applications including genome characterization and mapping. Recently, their role in gene regulation and genome evolution has also been discussed widely. We have developed UgMicroSatdb (Unigene MicroSatellite database), a web based relational database of microsatellites present in unigene sequences covering 80 genomes. UgMicroSatdb allows microsatellite search using multiple parameters like microsatellite type simple (perfect) and compound (perfect and imperfect), repeat unit length (mono- to hexa-nucleotide), repeat number, microsatellite length and repeat sequence class. Microsatellites can also be retrieved by specifying EST, cDNA, CDS identity or by using Gene Index, GenBank, UniGene IDs. The database also provides information about trinucleotide repeats encoding various amino acids. Such codon repeats can be searched by specifying characteristics of coded amino acids like charge (basic, acidic or neutral), polarity (polar or non-polar) and their hydrophobic or hydrophilic nature. The nucleotide sequences of the target UniGenes are also provided to facilitate primer designing for PCR amplification of any desired microsatellite.

Synonyms: UgMicroSatdb : Database for mining microsatellites from Unigenes, UgMicroSatdb

Resource Type: data or information resource, database

Resource Name: Unigene MicroSatellite database

Resource ID: SCR_007968

Alternate IDs: nif-0000-03605

Alternate URLs: <http://veenuash.info/web1/index.htm>

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260904T000255+0000

Ratings and Alerts

No rating or validation information has been found for Unigene MicroSatellite database.

No alerts have been found for Unigene MicroSatellite database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.