

Resource Summary Report

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VNTR Locus Database

RRID:SCR_007975

Type: Tool

Proper Citation

VNTR Locus Database (RRID:SCR_007975)

Resource Information

URL: <http://vntr.csie.ntu.edu.tw/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on June 08, 2011. The VNTRDB is a database useful for searching common polymorphic tandem repeats or unique tandem repeats in selected bacteria. Additionally, a visualization tool is accompanied with this database to observe sequence differences between bacterial strains and to avoid false positive records result from misestimating copy number and locus length of tandem repeats. Variable number tandem repeats (VNTRs) are one kind of DNA markers that have been widely used in molecular typing of bacteria. For finding potentially polymorphic tandem repeats, more genome sequences of a bacterial species should be compared. Till now, however, only 357 bacterial genome sequences are fully sequenced. Many of these bacterial species merely one strain has been sequenced. Therefore, all fully sequenced bacteria of a same genus are usually compared together to find the polymorphic potency of tandem repeats. It means that the more bacteria or sequences are compared, the more polymorphic tandem repeats will be truly identified. Here, a variable number tandem repeat locus database (VNTRDB) was constructed to microbiologists to meet the requirements of epidemiological studies. All potentially polymorphic tandem repeats in this database are found by comparing homologous tandem repeat loci between different bacteria of a same genus or among different genera. Currently, we provide two kinds of tandem repeats for query in the VNTRDB, i.e., polymorphic TRs and putatively unique TRs. These two query pages contain their own setting parameters for searching common polymorphic tandem repeats or unique tandem repeats in selected bacteria. This VNTRDB is an open resource and can be freely accessed without any restriction. The data in it will be updated or added continuously when new bacterial genome sequences are fully sequenced. Category: Genomics Databases (non-vertebrate) Subcategory: Prokaryotic genome databases

Synonyms: VNTRDB

Resource Type: data or information resource, database

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: VNTR Locus Database

Resource ID: SCR_007975

Alternate IDs: nif-0000-03640

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260912T200156+0000

Ratings and Alerts

No rating or validation information has been found for VNTR Locus Database.

No alerts have been found for VNTR Locus Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.