Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

WebGeSTer DB

RRID:SCR_002165
Type: Tool

Proper Citation

WebGeSTer DB (RRID:SCR_002165)

Resource Information

URL: http://pallab.serc.iisc.ernet.in/gester/

Proper Citation: WebGeSTer DB (RRID:SCR_002165)

Description: Database of intrinsic terminators of transcription that is comprized of >2,200,000 bacterial terminators identified from a total of 2036 chromosomes and 1508 plasmids. Information about structural parameters of individual terminators such as sequence, length of stem and loop, mismatches and gaps, U-trail, genomic coordinates and gene name and accession number is available in both tabular form and as a composite figure. Summary statistics for terminator profiles of whole genome can be also obtained. Raw data files for individual genomes can be downloaded (.zip files) for detailed investigations. Data is organized into different tiers such that users can fine-tune their search by entering name of the species, or taxon ID or genomes with a certain number of terminators. To visualize the occurrence of the terminators, an interactive map, with the resolution to single gene level, has been developed.

Abbreviations: WebGeSTer DB

Synonyms: WebGesTer Database, Web Genome Scannner for Terminators Database, WebGeSTer DB - A Transcription Terminator Database

Resource Type: database, data or information resource

Defining Citation: PMID:20972211

Keywords: genome, terminator, transcription, plasmid, bio.tools

Funding:

Resource Name: WebGeSTer DB

Resource ID: SCR_002165

Alternate IDs: biotools:webgester_db, OMICS_01862

Alternate URLs: https://bio.tools/webgester_db

Record Creation Time: 20220129T080211+0000

Record Last Update: 20250412T054653+0000

Ratings and Alerts

No rating or validation information has been found for WebGeSTer DB.

No alerts have been found for WebGeSTer DB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Barati F, et al. (2021) Considerable increase in Poly(3-hydroxybutyrate) production via phbC gene overexpression in Ralstonia eutropha PTCC 1615. BioImpacts : BI, 11(1), 53.

Ren H, et al. (2020) Computational Tools for Discovering and Engineering Natural Product Biosynthetic Pathways. iScience, 23(1), 100795.

Ami VKG, et al. (2020) Genome-wide identification of the context-dependent sRNA expression in Mycobacterium tuberculosis. BMC genomics, 21(1), 167.

Li J, et al. (2016) Synbiological systems for complex natural products biosynthesis. Synthetic and systems biotechnology, 1(4), 221.

Kulikov E, et al. (2012) Isolation and characterization of a novel indigenous intestinal N4-related coliphage vB_EcoP_G7C. Virology, 426(2), 93.