Resource Summary Report

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GELBANK

RRID:SCR_007668
Type: Tool

Proper Citation

GELBANK (RRID:SCR_007668)

Resource Information

URL: http://gelbank.anl.gov

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Description: GELBANK is a government project that provides an interactive interface for the comparison of 2DE patterns in the context of proteome sequence queries. Only proteomes of species with completed genomes (bacterial genomes, some eukaryotic genomes, human proteome) are presented in the database. The image database also contains not only scanned images, but also modeled gel patterns representing a collection of images (e.g. a master pattern for a sample). 2DE gel patterns are grouped by: tissue type, sample type, staining method used, separation technique used in the first dimension (by charge), the pH-range of the media used in first dimension, technique used in the second dimension (by size). Tools pertinent to the querying of two-dimensional gel-electrophoresis are implemented and integrated into database. When searching for sequences, tools that allow allow the discovery of sequences and alignment of multiple sequences are presented. Individual 2DE gel-patterns can be displayed or a collection of patterns can be animated.

Synonyms: GELBANK

Resource Type: data or information resource, database

Keywords: gel electrophoresis, genome, 2de pattern, 2d gel electrophoresis, proteome sequence, two-dimensional gel-electrophoresis

Resource Name: GELBANK

Resource ID: SCR_007668

Alternate IDs: nif-0000-02871

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260912T200150+0000

Ratings and Alerts

No rating or validation information has been found for GELBANK.

No alerts have been found for GELBANK.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Magdeldin S, et al. (2014) Basics and recent advances of two dimensional-polyacrylamide gel electrophoresis. Clinical proteomics, 11(1), 16.

Alawieh A, et al. (2012) Systems biology, bioinformatics, and biomarkers in neuropsychiatry. Frontiers in neuroscience, 6, 187.

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