

# Resource Summary Report

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## DBETH - Database for Bacterial ExoToxins for Humans

RRID:SCR\_005908

Type: Tool

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### Proper Citation

DBETH - Database for Bacterial ExoToxins for Humans (RRID:SCR\_005908)

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### Resource Information

**URL:** <http://www.hpppi.iicb.res.in/btox/>

**Proper Citation:** DBETH - Database for Bacterial ExoToxins for Humans (RRID:SCR\_005908)

**Description:** Database of Bacterial ExoToxins for Human is a database of sequences, structures, interaction networks and analytical results for 229 exotoxins, from 26 different human pathogenic bacterial genus. All toxins are classified into 24 different Toxin classes. The aim of DBETH is to provide a comprehensive database for human pathogenic bacterial exotoxins. DBETH also provides a platform to its users to identify potential exotoxin like sequences through Homology based as well as Non-homology based methods. In homology based approach the users can identify potential exotoxin like sequences either running BLASTp against the toxin sequences or by running HMMER against toxin domains identified by DBETH from human pathogenic bacterial exotoxins. In Non-homology based part DBETH uses a machine learning approach to identify potential exotoxins (Toxin Prediction by Support Vector Machine based approach).

**Abbreviations:** DBETH

**Synonyms:** Database for Bacterial ExoToxins for Humans

**Resource Type:** data or information resource, database

**Defining Citation:** [PMID:22102573](#)

**Keywords:** sequence, structure, interaction network, human, pathogen, bacterial genus, toxin, bacteria, exotoxin, homology, homolog, structure, sequence, domain, prediction, mechanism, activity, bio.tools

**Funding:** Council of Scientific and Industrial Research; New Delhi; India

**Resource Name:** DBETH - Database for Bacterial ExoToxins for Humans

**Resource ID:** SCR\_005908

**Alternate IDs:** nlx\_149481, biotools:dbeth

**Alternate URLs:** <https://bio.tools/dbeth>

**Record Creation Time:** 20220129T080233+0000

**Record Last Update:** 20260729T044131+0000

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## Ratings and Alerts

No rating or validation information has been found for DBETH - Database for Bacterial ExoToxins for Humans.

No alerts have been found for DBETH - Database for Bacterial ExoToxins for Humans.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Rana A, et al. (2018) Recent Trends in System-Scale Integrative Approaches for Discovering Protective Antigens Against Mycobacterial Pathogens. *Frontiers in genetics*, 9, 572.

Armengaud J, et al. (2017) Exoproteomics of Pathogens: Analysis of Toxins and Other Virulence Factors by Proteomics. *Methods in enzymology*, 586, 211.