

Resource Summary Report

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Ribosomal Mutation Database

RRID:SCR_001677

Type: Tool

Proper Citation

Ribosomal Mutation Database (RRID:SCR_001677)

Resource Information

URL: <http://ribosome.fandm.edu>

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Description: This is a database of 16S and 23S ribosomal RNA mutations reported in literature, expanded to include mutations in ribosomal proteins and ribosomal factors. Access to the expanded versions of the 16S and 23S Ribosomal RNA Mutation Databases has been improved to permit searches of the lists of alterations for all the data from (1) one specific organism, (2) one specific nucleotide position, (3) one specific phenotype, or (4) a particular author. Please send bibliographic citations for published work to be included in The Ribosomal Mutation Database to the curator via email. The database currently consists of 1024 records, including 485 16S rRNA records from *Escherichia coli*, 37 16S-like rRNA records from other organisms, 421 23S rRNA records from *E. coli*, and 81 23S-like records from other organisms. The numbering of positions in all records corresponds to the numbering in *E. coli*. We welcome any suggested revisions to the database, as well as information about newly characterized 16S or 23S rRNA mutations. The expanded database will be renamed to The Ribosomal Mutation Database and will include mutations in ribosomal proteins and ribosomal factors.

Abbreviations: Ribosomal Mutation Database

Synonyms: The Ribosomal Mutation Database

Resource Type: storage service resource, data repository, service resource, database, data or information resource

Defining Citation: [PMID:8594571](#), [PMID:8594570](#)

Keywords: escherichia coli, mutation, nucleotide, phenotype, ribosomal factor, ribosomal protein, ribosomal rna, rna, rna sequence, rna, rna 16s, rna 23s

Funding: NSF MCB-9726951

Availability: Free, Available for download, Freely available

Resource Name: Ribosomal Mutation Database

Resource ID: SCR_001677

Alternate IDs: nif-0000-02522

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260805T044026+0000

Ratings and Alerts

No rating or validation information has been found for Ribosomal Mutation Database.

No alerts have been found for Ribosomal Mutation Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Bao G, et al. (2014) Comparative genomic and proteomic analyses of *Clostridium acetobutylicum* Rh8 and its parent strain DSM 1731 revealed new understandings on butanol tolerance. *Biochemical and biophysical research communications*, 450(4), 1612.

Stahl G, et al. (2002) Ribosome structure: revisiting the connection between translational accuracy and unconventional decoding. *Trends in biochemical sciences*, 27(4), 178.