

Resource Summary Report

Generated by ASWG on Aug 3, 2026

UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database

RRID:SCR_005771

Type: Tool

Proper Citation

UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database
(RRID:SCR_005771)

Resource Information

URL: <http://microrna.osu.edu/UCbase4>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 16, 2013. UCbase & miRfunc is a database of (i) human, mouse and rat microRNAs and (ii) Ultraconserved elements providing information about function, expression and correlation between these classes of non-coding RNAs and the disorders related to their aberrant expression. The genomics interface allows the user to explore where whole-genome collections of miRNAs and UCRs are located with respect to annotation sets such as band, disorders and known genes. The Blast interface provides a web tool for matching miRNAs/UCRs elements against any given sequence and providing specific functional information on the results. 481 Ultraconserved sequences (UCRs) longer than 200 bases were discovered in the genomes of human, mouse and rat. These are DNA sequences showing 100 percent identity among the human, mouse and rat genomes. UCRs are frequently located at genomic regions involved in cancer, differentially expressed in human leukemias and carcinomas and in some instances regulated by microRNAs (miRNAs), the most extensively studied category of non-coding RNAs (ncRNAs). Here we present the first database which links UCRs and miRNAs with the related human disorders and genomic properties.

Synonyms: UCbase & miRfunc

Resource Type: database, data or information resource

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database

Resource ID: SCR_005771

Alternate IDs: nif-0000-03601

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260803T040433+0000

Ratings and Alerts

No rating or validation information has been found for UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database.

No alerts have been found for UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.