

👤 Currently logged in as Maxie (maxieds). ... ⚙️ Last Login: 2019.06.29 at 07:59 AM

[🌐 RNADB FrontEnd](#)[🔗 Manage Sequences](#)[📄 Manage Papers](#)[💻 Manage Users](#)[🚪 Logout](#)

Login to the gtDMMB RNADB administration pages:

👤 User Name:

*** Password:

Active Papers Administration

This page is used for administrators in the *papers* group to modify active papers and their attributes in the papers database. The papers in this database may be referenced by paper key in the sequences database. For a listing of the active papers in the frontend RNADB website see [this link](#).

Active Papers List:

Paper Key	Title	Operations
poznanovic14	Asymptotic distribution of motifs in a stochastic context-free grammar model of RNA	Display Paper
rogers14	Profiling small RNA reveals multimodal substructural signals in a Boltzmann ensemble	Display Paper
rogers16	New insights from cluster analysis methods for RNA secondary structure prediction	Display Paper
rogers17	Conditioning and Robustness of RNA Boltzmann Sampling under Thermodynamic Parameter Perturbations	Display Paper
sukosd13	Evaluating the accuracy of SHAPE-directed RNA secondary structure predictions	Display Paper

Create / Modify / Delete Paper Form:

Unique Paper Key:	<input type="text"/>
Authors List:	<input type="text"/>
Title:	<input type="text"/>
Date:	<input type="text"/>
DOI Link (URL):	<input type="text"/>
Publication Data:	<input type="text"/>
Comments:	<input type="text"/>

Search Results

New Search

Papers

Help

Download Sequence Data:

Download the selected sample sequence CT file data from RNADB using the UI buttons below. If you only require the sequence sample data for a subset of the search results from the previous page, download the zipped data associated with the *selected* files which can be included in the results by checking the corresponding row for each sequence search result below.

[Download All Sequences \(Minimal CSV Data\)](#)[Download Selected in Table \(Minimal CSV Data\)](#)[Download All Sequences \(Maximal CSV Data\)](#)[Download Selected in Table \(Maximal CSV Data\)](#)

The download links will appear below shortly after clicking on the corresponding download type button above.

Selected Search Results:

Select only a subset of the sequence search results to download. All sequences can be selected by checking the upper-leftmost checkbox marked with the icon below.

Currently logged in as Maxie (maxieds). ... Last Login: 2019.06.29 at 07:59 AM

[RNADB FrontEnd](#)[Manage Sequences](#)[Manage Papers](#)[Manage Users](#)[Logout](#)

Sequences Administration

This page is used for administrators in the *sequences* group to modify active papers and their attributes in the papers database. Complete sequence data is specified by a CSV-formatted file generated by the *RNADB-construction* scripts. The corresponding full set of sequence data can be uploaded into the database for users of the frontend site by a zip archive file.

Active Sequences List:

RID	Latin Name	Family	Accession No.	Operations	
84	Acanthamoeba castellanii	16S	U07413	Display Sequence	Delete
324	Acheilognathus tabira	5S	AB015591	Display Sequence	Delete
318	Acheta domesticus	5S	M16074	Display Sequence	Delete
232	Acinetobacter calcoaceticus	23S	X87280	Display Sequence	Delete
185	Acomys cahirinus	16S	X84387	Display Sequence	Delete
319	Actinia equina	5S	X05233	Display Sequence	Delete
321	Acyrtosiphon magnoliae	5S	X01518	Display Sequence	Delete
309	Agrobacterium tumefaciens	5S	X02627	Display Sequence	Delete
9	Agrobacterium tumefaciens	16S	M11223	Display Sequence	Delete
87	Ahnfeltia plicata	16S	Z14139	Display Sequence	Delete
186	Ailurus fulgens	16S	Y08511	Display Sequence	Delete

<i>precision_val</i>	1
<i>recall</i>	1
<i>f_measure</i>	1
<i>ambiguous</i>	0
<i>notes</i>	
<i>history</i>	Sequence data created on: 2019-06-22 07:34:46.698802

Modify (Selected) Sequence Fields:

Displayed Sequence: *Zea mays* [ACC: AF168884]

Add Associated Paper to Sequence: -- Associate New Paper by Key -- ▾

Update Comments for Sequence:

Modify the Sequence Data:

Modify Data!

Reset Form Data:

Clear Form

Add / Modify Sequences Form:

Choose Sequence CSV Files:

Choose File

No file chosen

Choose Sequence Data Files Zip Archive (Optional):

Choose File

No file chosen

Upload Options:

- ☐ Store files in DB directory on the server
- ☐ Overwrite existing files in the DB directory
- ☐ Update existing sequences with new data

Add the Selected Sequences to RNADB:

Add New Sequences!

Reset Form Data:

Clear Form

User Administration

This page is used for administrators in the *wheel* group to create, modify, and delete users who may log in and edit the papers and sequences database entries. Any user may use the facilities on this page to reset their own password (subject to a minimum complexity requirement).

Users List:

User Name	Last Login	Is Active	Group Permissions	Operations
Anna (annakp3)	None	Yes	wheel,sequences,papers	Display User
Christine (cheitsch3)	None	Yes	wheel,sequences,papers	Display User
Emily (emilyrogers)	NONE	Yes	sequences,papers	Display User
Iris Yoon (iris)	NONE	Yes	sequences,papers	Display User
Maxie (maxieds)	2019.06.29 at 07:59 AM	Yes	wheel,sequences,papers	Display User

Create / Modify / Delete User Form:

Unique User Name:

Full (Preferred) Name:

Email:

Is Active? ▼

Group Permissions: ☐ Wheel ☐ Papers ☐ Sequences

Password:

Password (Again):

Operation To Perform: ▼

Georgia Institute of Technology RNA Database

Search

Papers

Help

Papers of the Heitsch Lab, with their respective sequences:

Sequence names are from the Gutell database for tRNA, 5S, 16S, and 23S sequences, and from Rfam for all other families. The family of the sequence is given in parentheses.

- **Poznanovic '14:**

Sequences: [Collapse sequences list](#)

- *Halobacterium* sp. (16S)

Accession Number: AE005128

Initial Fragment: AUUCCGGUUGAUCCUGCCGGAGGCCAUUGC

- *Pyrococcus abyssi* (16S)

Accession Number: AJ248283

Initial Fragment: CGUACUCCCUUAAUCCGGUUGAUCCUGCC

- *Pyrococcus horikoshii* (16S)

Accession Number: AP000001

Initial Fragment: AUUCCGGUUGAUCCUGCCGGAGGCCACUGC

- *Bacteroides fragilis* (16S)

Accession Number: TBD

Initial Fragment: AAUCCGGUUGAUCCUGCCGGACCCGACCG

checking the corresponding row for each sequence search result below.

[Download All Sequences \(Minimal CSV Data\)](#)[Download Selected in Table \(Minimal CSV Data\)](#)[Download All Sequences \(Maximal CSV Data\)](#)[Download Selected in Table \(Maximal CSV Data\)](#)


The download links will appear below shortly after clicking on the corresponding download type button above.

► Download Zipped File:

[gtDMMB-RNADB-MaximalSequences-2019-06-29-130945-454122.zip](#)

Selected Search Results:

Select only a subset of the sequence search results to download. All sequences can be selected by checking the upper-leftmost checkbox marked with the icon below.

	RID	Family	Organism	Accession	Seq. Length	MFE Acc.	GC Content	Completeness	Ambiguous	Notes
<input type="checkbox"/>	1	16S	Emericella nidulans	J01393	1437	1	0.353	1	No	
<input type="checkbox"/>	3	16S	Halobacterium sp.	AE005128	1473	1	0.583	1	No	
<input type="checkbox"/>	4	16S	Pyrococcus abyssi	AJ248283	1512	1	0.661	1	No	
<input type="checkbox"/>	5	16S	Pyrococcus horikoshii	AP000001	1500	1	0.662	1	No	
<input type="checkbox"/>	6	16S	Bacteroides fragilis	TBD	1496	1	0.630	1	No	

Georgia Institute of Technology RNA Database

Search

Papers

Help

About RNADB:

We currently index more than **401** sequences in RNADB. This database contains the curated RNA sequences used in papers produced by the [Heitsch Discrete Math and Molecular Biology Lab](#). Most of these sequences originated from the [Comparative RNA Website](#) and from the [Rfam](#) database. Users can download the CT file data for the secondary structures of these samples by searching with the criteria below. Please visit the help and associated papers pages linked above for more information on this database and the search criteria. For inquiries on the RNADB site, please contact gtdmmb@gatech.edu.

Search Parameters:

► Select paper(s):

(Select paper sources by key of the sequences in the search)

☒ Poznanovic '14 ☒ Rogers '14 ☒ Rogers '16
☒ Rogers '17 ☒ Sukosd '13

► Select RNA Family:

(Select multiple or deselect by holding ctrl key while clicking)

RNADB Active Search Results:

350 matching organisms found in RNADB.

► Search Parameters Summary:

⌘ Paper Keys: P-14,R-14,R-16,R-17,S-13
⌘ Families: 5S,16S,23S,TPP,THF,FMN...
⌘ Organism Key: *ALL MATCHES*
⌘ Accession Numbers: *ALL MATCHES*
⌘ Sequence Length: 0-3000
⌘ MFE Accuracy: 0-1
⌘ Completeness: 0-1
⌘ GC content: 0-1
⌘ Ambiguous: Allowed
⌚ Search time: 1.447 seconds

► Organisms matching search criteria:

01. <i>Acheta domesticus</i>	(5S::P-14)	M16074
02. <i>Acinetobacter calcoaceticus</i>	(23S::P-14)	X87280
03. <i>Actinia equina</i>	(5S::P-14)	X05233
04. <i>Acyrtosiphon magnoliae</i>	(5S::P-14)	X01518
05. <i>Agrobacterium tumefaciens</i>	(16S::P-14)	M11223
06. <i>Agrobacterium tumefaciens</i>	(5S::P-14)	X02627
07. <i>Ahnfeltia plicata</i>	(16S::P-14)	Z14139
08. <i>Ailurus fulgens</i>	(16S::P-14)	Y08511
09. <i>Albinaria caerulea</i>	(23S::P-14)	X83390
10. <i>Albinaria turrita</i>	(23S::P-14)	X71393 X7...
11. <i>Allomyces macrogynus</i>	(16S::P-14)	U23936
12. <i>Anabaena sp.</i>	(16S::P-14)	X59559
13. <i>Antheraea pernyi</i>	(5S::P-14)	X13035
14. <i>Antilocapra americana</i>	(16S::P-14)	M55540
15. <i>Arabidopsis thaliana</i>	(16S::P-14)	AC006837
16. <i>Artemia salina</i>	(5S::P-14)	Y00128
17. <i>Arthrobacter globiformis</i>	(16S::P-14)	M23411
18. <i>Ascobolus immersus</i>	(5S::P-14)	X99087
19. <i>Asellus aquaticus</i>	(5S::P-14)	AJ238321