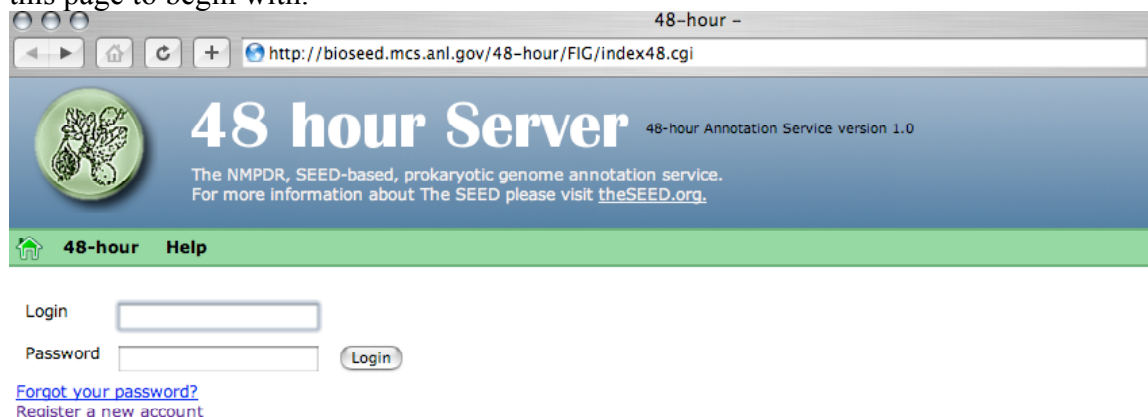


Using The NMPDR 48 Hour Annotation Server Standard Operating Procedure NMPDR|SOP005

NMPDR has automated the process of adding genomes to the NMPDR database. This process will upload, format, qc, and annotate a genome within 48 hours. It can be used in a batch mode or through a user interface. This SOP covers the web based user interface.

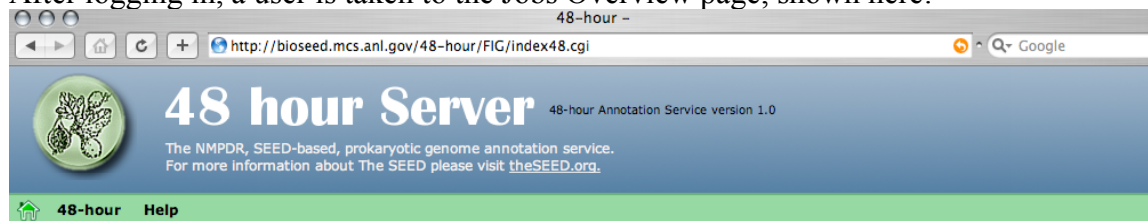
The server is located at <http://bioseed.mcs.anl.gov/48-hour/FIG/index48.cgi> and presents this page to begin with.



The screenshot shows a web browser window with the URL <http://bioseed.mcs.anl.gov/48-hour/FIG/index48.cgi>. The page features a blue header with the text "48 hour Server" and "48-hour Annotation Service version 1.0". Below the header, there is a green navigation bar with a home icon, the text "48-hour", and a "Help" link. The main content area contains a login form with two input fields labeled "Login" and "Password", and a "Login" button. Below the form are two links: "Forgot your password?" and "Register a new account".

The user must have a login ID to use the server. New users can register by clicking the Register a new account link and following the instructions. If the registration request is approved, the user will receive an ID and password via email.

After logging in, a user is taken to the Jobs Overview page, shown here:



The screenshot shows the same web browser window as the previous one, but the page content has changed. The header and navigation bar are identical. The main content area now displays the "Jobs Overview" page. The text "48-hour Annotation Service version 1.0" is visible. Below the header, there is a green navigation bar with a home icon, the text "48-hour", and a "Help" link. The main content area contains a login form with two input fields labeled "Login" and "Password", and a "Login" button. Below the form are two links: "Forgot your password?" and "Register a new account".

Jobs Overview

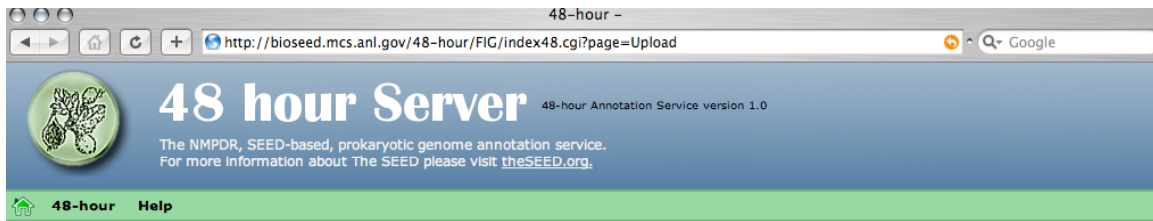
The overview below list all genomes currently processed and the progress on the annotation. To get a more detailed report on an annotation job, please click on the progress bar graphic in the overview.

Your personal jobs:

You currently have no jobs.

» [Upload a new genome](#)

To submit a genome to the server, users click the Upload a new genome link which will direct them to this page:



Upload Genome

Here you can perform upload of data to be processed in the pipeline.

Project

only for new projects Project Name

Project URL

Taxonomy ID (leave blank if NCBI-Taxonomy ID unknown)

Genus

Species

Strain

Taxonomy Data

Genetic Code

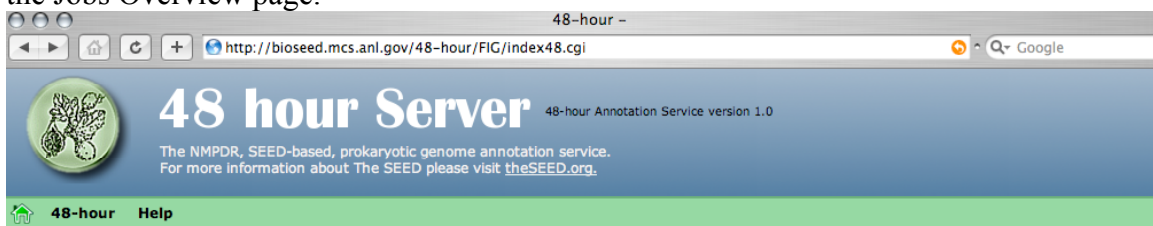
Sequencing Method

Average Read Length (leave blank if unknown)

Sequence File no file selected

Users fill in this information, choose a FASTA format genome file to be uploaded and click upload.

After a genome has been submitted, its progress through the server can be tracked from the Jobs Overview page.



Jobs Overview

The overview below list all genomes currently processed and the progress on the annotation. To get a more detailed report on an annotation job, please click on the progress bar graphic in the overview.

Your personal jobs:

You currently have no jobs.

» [Upload a new genome](#)

All jobs:

Job	User	Genome ID	Genome Name	Annotation Progress
#1	paczian	290402.26	Clostridium beijerincki NCIMB 8052	████████
#2	fmeyer	158899.4	Collimonas fungivorans	███░░░
#3	fmeyer	393595.7	Alkanivorax borkumensis	███░░░

In this example, all jobs are shown. The progress bar on the right shows the status. Any red bar indicates an error. All green signifies completion. Clicking on the progress bar will take the user to the details page for a specific job.

48-hour - Annotation Server - Job Details #1

http://bioseed.mcs.anl.gov/48-hour/FIG/index48.cgi?page=Genomes&action=details&job=1

Job Details #1

» [Back to the Jobs Overview](#)

✓ Genome Upload has been successfully completed.

Genome: 290402.26 - Clostridium beijerincki NCIMB 8052
Job: # 1
User: paczian
Date: Wed Dec 31 18:00:00 1969

✓ Rapid Propagation has been successfully completed.

✓ Quality Check has been successfully completed.

Statistics

Number of features:	1459
Number of warnings:	1
Number of fatal problems:	0
Possibly missing genes:	2

Warnings

Divergent overlaps: 1

✓ Quality Revision has been successfully completed.

Accepted by:

Date: Wed Dec 31 18:00:00 1969

✓ Similarity Computation has been successfully completed.

✓ Auto Assignment has been successfully completed.

» [Browse annotated genome in SEED Viewer](#)

» [Export annotated genome](#)

This page shows a completed genome and provides a link to browse the genome with the NMPDR genome browser, or to export the annotated genome.