



Bilgisayardan Galaxy'e Veri Yükleme

Hazırlayanlar: Halit Kemal Aydın, Şahin Öztürk, Tolga Leyla

- Tools
- Get
- Send Data
- Collection Operations
- GENERAL TEXT TOOLS
- Text Manipulation
- Convert Formats
- Filter and Sort
- Join, Subtract and Group
- GENOMIC FILE MANIPULATION
- Convert Formats
- FASTA/FASTQ
- Quality Control
- SAM/BAM
- BED
- VCF/BCF
- Nanopore
- COMMON GENOMICS TOOLS
- Operate on Genomic Intervals
- Fetch Sequences / Alignments
- GENOMICS ANALYSIS
- Annotation
- Multiple Alignments
- Assembly
- Mapping
- Variant Calling
- Genome editing

search tools

Upload Data
Download from URL or upload files from disk



Upload Data

dated list of laboratories that can host Ukrainian scientists at all career levels. If your lab can host a scientist -- add a number of positions at its EU and US sites. Contact us at ukraine@galaxyproject.org. German organisations are organising accommodation here.

Світова наукова спільнота створила список лабораторій, що постійно оновлюється та які можуть прийняти українських науковців усіх рівнів, у тому числі й аспірантів. Якщо ваша лабораторія має можливість запросити -- ви можете додати ваше ім'я до списку тут. Крім того, Galaxy Project має відкриті вакансії у своїх європейських та американських осередках. Пишіть нам на ukraine@galaxyproject.org

Научное сообщество создало постоянно обновляемый список лабораторий, которые могут принять украинских ученых (включая аспирантов). К тому же, Galaxy Project имеет открытые позиции на своих европейских и американских сайтах. Контактируйте нас используя ukraine@galaxyproject.org

"Anyone, anywhere in the world should have free, unhindered access to not just my research, but to the research of every great and enquiring mind across the spectrum of human understanding." – Prof. Stephen Hawking

News

The European Galaxy Team is hiring a Bioinformatics training officer
Are you passionate about training in life sciences? The Freiburg Galaxy Team is looking for a team member who will develop, coordinate and implement training programs within international communities, especially via BioNT, a new multi-organization project funded by the European Commission, and via the Galaxy Training Network (GTN).

Impact on Galaxy of OpenSSL 3.0.x Vulnerabilities CVE-2022-3602 and CVE-2022-3786 ("Spooky SSL")
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UseGalaxy.eu Tool Updates for 2022-10-23

Research Data Management in Galaxy
How Galaxy manages your (meta)data

Galaxy as a cross-EOSC platform
New scientific collaboration agreement between EOSC-Life and EOSC-Pillar

Events

Oct 31 - Dec 19 Analysis of biological data with Galaxy
Learn how to use Galaxy in YOUR research

Nov 7 - Nov 11 Galaxy @ BioHackathon-Europe 2022
BioHackathon activities are driven by practical sessions where people gather, discuss, and implement ideas and projects during intensive and productive coding sessions

Nov 17 Galaxy Community Call: The new GTN course builder
A forum to share updates and discuss community-wide topics

Feb 6 - Feb 10 Single-cell RNA-seq analysis using Galaxy
Participants will be guided through the droplet-based scRNA-seq analysis pipelines from raw reads to trajectories.

Apr 25 - Apr 26 Galaxy Introduction for Life Scientists
This 1.5-day course will give a general introduction on the galaxy web-page structure, how to import data, run tools, share analyses and build workflows. Participants will run a whole NGS analysis using an RNA-seq dataset as an example.

The European Galaxy server

The European Galaxy server UseGalaxy.eu is maintained primarily by the Freiburg Galaxy Team in collaboration with other academic groups across Europe and with the US Galaxy team. Please check our [Terms of Service](#) and [data retention policy](#) before using the server. We offer thousands of tools, increased quota on temporary basis.

History

search datasets

Unnamed history

24.8 kB 4 1

- 4 : NCBI Accession Download on : Log
- 3 : NCBI Accession Download on : Downloaded Files
a list with 1 fasta dataset
- 2 : dizi.fna
- 1 : dizi-fasta.xlsx

Galaxy ana sayfasının sol üst köşesinde bulunan "tools" alanındaki "Upload Data" butonuna tıklayarak yükleme alanına ulaşırız.

Download from web or upload from disk

Regular Composite Collection Rule-based

Drop files here

Type (set all): Auto-detect Genome (set all): unspecified (?)

Choose local files

Choose remote files

Paste/Fetch data

Start

Pause

Reset

Close



The European Galaxy server

“Choose local files” Butonuna tıklayarak;

Tools

search tools x

Upload Data

Flymine server
modENCODE modMine server
MouseMine server
Ratmine server
YeastMine server
metabolicMine server
modENCODE worm server

WormBase server
ZebrafishMine server
EuPathDB server
HbVar Human Hemoglobin Variants and Thalassemias
Faster Download and Extract Reads in FASTQ format from NCBI SRA
Download and Extract Reads in BAM format from NCBI SRA

Unipept retrieve taxonomy for peptides
NCBI Accession Download
Download sequences from GenBank/RefSeq by accession through the NCBI ENTREZ API

Download and Generate Pileup Format from NCBI SRA

UniProt download proteome as XML or fasta

Get species occurrences data from GBIF, ALA, iNAT and others

NCBI ESearch search NCBI Databases by text query

NCBI EGQuery Provides the number of records retrieved in all Entrez

Executed NCBI Accessio

The tool uses this input:

It produces this output:

• 8: NCBI Accessio

You can check the status successfully or 'error' if p

Galaxy Eur

This page contains a community and ad

Also see the *Galacti*

Contribute

To add a news item, create a new folder within the *news folder* or other existing news items as a template.

4 November 2022

The European Galaxy Team is hiring a training officer

1 November 2022

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Download from web or upload from disk

Regular Composite Collection Rule-based

Name

Size

Open

← → ↑ ↓ This PC > Downloads

Search Downloads

Organize New folder

Name	Date modified	Type	Size
Today (3)			
tree	11/5/2022 3:13 PM	Text Document	1 KB
clustalo-120221105-120625-0326-6188579...	11/5/2022 3:07 PM	CLUSTAL_NUM File	5 KB
example	11/5/2022 3:06 PM	FNA File	2 KB
Earlier this week (8)			
Last week (4)			
Last month (19)			
Earlier this year (7)			

File name: example

Tüm Dosyalar

Open Cancel

History

search datasets x

Unnamed history

6 1 2

Accession Downloa

Accession Downloa o

ded Files

dataset

Accession Downloa

Accession Downloa o

ded Files

data dataset

xlsx

Yüklemek istediğiniz verinin bulunduğu konuma gidip, verimizi seçerek sisteme ekleriz.

Tools

search tools

Upload Data

- Flymine server
- modENCODE modMine server
- MouseMine server
- Ratmine server
- YeastMine server
- metabolicMine server
- modENCODE worm server
- WormBase server
- ZebrafishMine server
- EuPathDB server
- HbVar Human Hemoglobin Variants and Thalassemias
- Faster Download and Extract Reads in FASTQ format from NCBI SRA
- Download and Extract Reads in BAM format from NCBI SRA
- Unipept retrieve taxonomy for peptides
- NCBI Accession Download
Download sequences from GenBank/RefSeq by accession through the NCBI ENTREZ API
- Download and Generate Pileup Format from NCBI SRA
- UniProt download proteome as XML or fasta
- Get species occurrences data from GBIF, ALA, iNAT and others
- NCBI ESearch search NCBI Databases by text query

Executed NCBI Accession Download tool

The tool uses this input:

It produces this output:

- 8: NCBI Accession Download tool

You can check the status of the tool successfully or "error" if it fails.

Galaxy Europe

This page contains a list of community and additional tools.

Also see the *Galaxy Europe* website.

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Regular Composite Collection Rule-based

You added 1 file(s) to the queue. Add more files or click 'Start' to proceed.

Name	Size	Type	Genome	Settings	Status
example.fna	1.9 KB	Auto-de...	unspecified (?)		0%

fasta
csfasta
fasta
fasta.gz

Type (set all): Auto-detect Genome (set all): unspecified (?)

Choose local files Choose remote files Paste/Fetch data Start Pause Reset Close

History

search datasets

Unnamed history

29.5 kB

6 1 2

8: NCBI Accession Download tool : Log

7: NCBI Accession Download tool : Downloaded Files
a list with 1 dataset

4: NCBI Accession Download tool : Log

3: NCBI Accession Download tool : Downloaded Files
a list with 1 fasta dataset

2: dizi.fna

1: dizi-fasta.xlsx

Yüklemek istediğimiz veriyi seçtikten sonra, Galaxy verinin dosya formatını otomatik olarak belirleniyor, ama dosya formatını kendimiz de seçebiliriz. Veri hangi dosya formatında ise onu seçeriz. Şuan yükleyeceğimiz veri "Fasta" formatında olmasından dolayı "fasta" seçeneğini seçiyoruz.

Tools

search tools

Upload Data

Flymine server

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HbVar Human Hemoglobin Variants
and ThalassemiasFaster Download and Extract Reads
in FASTQ format from NCBI SRADownload and Extract Reads in
BAM format from NCBI SRAUnipept retrieve taxonomy for
peptides

NCBI Accession Download

Download sequences from
GenBank/RefSeq by accession
through the NCBI ENTREZ APIDownload and Generate Pileup
Format from NCBI SRAUniProt download proteome as XML
or fastaGet species occurrences data from
GBIF, ALA, iNAT and othersNCBI ESearch search NCBI Databases
by text queryNCBI EGQuery Provides the number
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It produces this output:

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You can check the status
successfully or "error" if p

Galaxy Europe

This page contains a
community and adAlso see the *Galaxy*

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Name	Size	Type	Genome	Settings	Status
 example.fna	1.9 KB	fasta	unspecified (?)		0%

Type (set all): Auto-detect Genome (set all): unspecified (?)

 Choose local files Choose remote files Paste/Fetch data

Start

Pause

Reset

Close

History

search datasets

Unnamed history

29.5 kB

6

1

2

8 : NCBI Accession Download on : Log

7 : NCBI Accession Download on : Downloaded Files
a list with 1 dataset

4 : NCBI Accession Download on : Log

3 : NCBI Accession Download on : Downloaded Files
a list with 1 fasta dataset

2 : dizi.fna

1 : dizi-fasta.xlsx

Gerekli bütün işlemleri gerçekleştirdikten sonra "start" butonuna tıklayarak yüklemeyi başlatabiliriz.

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Download from web or upload from disk

Regular

Composite

Collection

Rule-based

Name	Size	Type	Genome	Settings	Status
example.fna	1.9 KB	fasta	unspecified (?)		100%

Type (set all): Auto-detect Genome (set all): unspecified (?)

Choose local files

Choose remote files

Paste/Fetch data

Start

Pause

Reset

Close

History

search datasets

Unnamed history

29.5 kB

10 : example.fna

8 : NCBI Accession Downloa
d on : Log7 : NCBI Accession Downloa
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a list with 1 dataset4 : NCBI Accession Downloa
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Download sequences from GenBank/RefSeq by accession through the NCBI ENTREZ API
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- UniProt download proteome as XML or fasta
- Get species occurrences data from GBIF, ALA, iNAT and others
- NCBI ESearch search NCBI Databases by text query
- NCBI EQuery Provides the number of records retrieved in all Entrez databases by a single text query.
- NCBI ECitMatch search NCBI for citations in PubMed

Executed **NCBI Accession Download** and successfully added 1 job to the queue.

The tool uses this input:

It produces this output:

- 8: NCBI Accession Download on : Log

You can check the status of queued jobs and view the resulting data by refreshing the History panel. When the job has been run the status will be 'success' if the job was successfully or 'error' if problems were encountered.

10 : example.fna



History

search datasets

Unnamed history

29.5 kB

10 : example.fna

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Galactic News

Galaxy Europe News

This page contains announcements of interest to the Galaxy Community. These include **items from the Galaxy Team or the Galaxy community** and address anything that is of wide interest to the community.

Also see the *Galactic Blog* for more.

Contribute

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16 October 2022	UseGalaxy.eu Tool Updates for 2022-10-16	

Tools ☆ ▼

 ✕

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Send Data

Collection Operations

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Text Manipulation

Convert Formats

Filter and Sort

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GENOMIC FILE MANIPULATION

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Operate on Genomic Intervals

Fetch Sequences / Alignments

GENOMICS ANALYSIS

Annotation

Multiple Alignments

Assembly

Mapping

Variant Calling

```
>ENA|BAA20512|BAA20512.1_Cyprinus_carpio
ATGAGTCTCTGATAAGGACAAGGCTGCTGTGAAAGCCCTATGGCTAAGTCAGCCCC
AAAGCCGATGATATCGCGCTGAAGCTCTCGGCAATGCTGACCGTCTACCCCTCAGACC
AAGACCTACTTCGCTCACTGGGATGACCTGAGCCCTGGTCCGGTCTGTTGAAGAAGCAT
GGCAAGGTTATCATGGTGGAGTGGCCGATGCCGTTTCAAAATAGAGGACCTTGTGGGA
GGTCTGGCTCCCTGAGCGAAGTTTATGCTTCCAAAGTTGCTGTGTAACCGGCAACTTC
AAGATCCTCGCACACAATGTGATCGTGGTCAATCGCATGCTCTTCCCTGGAGACTTCCC
CCAGAGGTTCCATGTGAGTTGACAAGTTTTTCCAGAACTTGGCTCTGGCTCTCTCTGAG
AAGTACCGCTAA
>ENA|CAA23748|CAA23748.1_Homo_sapiens
ATGGTGTGCTGTCTCTGCCGACAAGACCAACTCAAGGCCCTGGGTAAAGTCGGCGG
CACGCTGGCGAGTATGGTGGGAGGCCCTGGAGAGGATGTTCTGTCTTCCCACACC
AAGACCTACTTCCGCACTTGACCTGAGCCAGCGCTGTGCCAAGTTAAGGGCCACGGC
AAGAAGGTGGCCGACGCGCTGACCAACGCGTGGCGCACGTGGAGACATGCCAACGCG
CTGTCCGCCCTGAGCGACTGACACGGGCAAAAGTTCCGGTGGACCGGTCAACTTCAAG
CTCTAAGCCACTGCTGCTGGTGAACCTGGCGCCACCTCCCAGCGAGTTACCCCT
GCGGTGACGCTTCCCTGGACAAGTTCTCTGGCTTCTGTGAGCACGCTGCTGACCTCAA
TACCGTTAA
>ENA|CAA24095|CAA24095.1_Mus_musculus
ATGGTGTCTCTGGGGAAGACAAAAGCAACATCAAGGCTGCCTGGGGAAAGATTGGTGGC
CATGGTGTGAAATGGAAGCTGAAGCCCTGGAAAGGATGTTGCTAGCTTCCCACACC
AAGACCTACTTCTCACTTTGATGTAAGCCAGCGCTGTGCCAGGTCAAGGGTCAAGG
AAGAAGGTGGCCGATGGCTGGCAGTGTGACAGCGACTGCAATGACTGGCCGGTGGC
TTGTCTGCTGTGAGCGACTGTGATGGCCACAAGCTTGGTGTGGATCGGTCAACTTGAAG
CTCTGAGCCACTGCTGCTGGTGAACCTGGCTAGCGACACACTCGCGATTTCACCCG
GCGGTACATGCTCTCTGGACAAATTCCTGCTGTGAGCACGCTGCTGACCTCAAAG
TACCGTTAA
>ENA|CAA28435|CAA28435.1_Capra_hircus
ATGTCTGTGACCAAGGACTGAGAGGACCATCATCTGTCCCTGTGGAGCAAGATCTCCACA
CAGGCAGAGCTCAATTGGCACCCGAGACCCCTGGAGGGCTTCTCTGCTACCCGCAAGCC
AAGACCTACTTCCGCACTTGACCTGACCTGGGCTCCGCGCAGCTGGCGGCAAGCGC
TCCAAGGTGGTGGCCGCCGTGGGGGACCGGTTCAAGAGCATGACAACTGACGAGCGG
CTGTCAAAGTGAAGGACTGACAGCTGACGCTGCTGCGCTGGACCGGTCAACTTCAAG
TTCTGTCCCACTGCTGCTGGTCAAGTTGGCTCGCACTCCCAGCGACTTACCGGCC
GACGCGACGCCCTGGGACAAGTTCTGTCTCATGTTGCTGGCGCTCTGACGGAGAAG
TACCGCTGA
```

History + ≡ ▼

 ↕ ✕Unnamed history ✎

31.5 kB

1 7 2

+

10 : example.fna 👁 🗑 ⚙

Veri Galaxy'e yüklenmiştir. Göz ikonu ile veriyi görüntüleyebilirsiniz.

Tools

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Get Data

Send Data

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COMMON GENOMICS TOOLS

Operate on Genomic Intervals

Fetch Sequences / Alignments

GENOMICS ANALYSIS

Annotation

Multiple Alignments

Assembly

Mapping

Variant Calling

Edit Dataset Attributes

Attributes Convert Datatypes Permissions

Name

example.fna

Info

uploaded fasta file

Annotation

Add an annotation or notes to a dataset; annotations are available when a history is viewed.

Database/Build

unspecified (?)

Save Auto-detect

History

search datasets

Unnamed history

31.5 kB

1

7

2

10 : example.fna



Kalem ikonuna ile verinin adını değiştirebilirsiniz, açıklama vs. ekleyebilirsiniz.