

# **GAS User Guide**

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GAS

# GAS

☒ Enter Scientific Name

☐ Enter Assembly Accessions

Enter Scientific Name

Browse the List of Assembly Accessions

Enter Your Email

Browse Sequence FASTA file

☐ Filter without Blast

☒ Megablast

☐ Blastn

Start GAS

GAS GUI

NCBI Taxonomy Browser

Entrez PubMed Nucleotide Protein Genome Structure PMC Taxonomy BioCollections

Search for  as  complete name ☒ lock Go Clear

Display  3 levels using filter:  none

**Triticum aestivum**

Taxonomy ID: 4565 (for references in articles please use NCBI:txid4565)

current name

***Triticum aestivum*** L., 1753, nom. cons. <sup>1)</sup> in [Linnaeus C (1753c)]

homotypic synonym: ***Triticum aestivum*** subsp. ***aestivum***

Genbank common name: **bread wheat**

NCBI BLAST name: **monocots**

Rank: **species**

Genetic code: [Translation table 1 \(Standard\)](#)

Mitochondrial genetic code: [Translation table 1 \(Standard\)](#)

Plastid genetic code: [Translation table 11 \(Bacterial, Archaeal and Plant Plastid\)](#)

Other names:

heterotypic synonym

***Triticum vulgare*** Vill., 1787, nom. illeg., nom. superfl. <sup>2),3)</sup> in [Villars D (1787)]

common name(s)

**Canadian hard winter wheat, common wheat, wheat**

Entrez records		
Database name	Subtree links	Direct links
Protein		
Structure	<a href="#">89</a>	<a href="#">89</a>
Genome	<a href="#">1</a>	<a href="#">1</a>
Popset	<a href="#">437</a>	<a href="#">435</a>
GEO Datasets	<a href="#">4,703</a>	<a href="#">4,703</a>
PubMed Central	<a href="#">15,693</a>	<a href="#">15,693</a>
Gene	<a href="#">2,285</a>	<a href="#">2,285</a>
SRA Experiments	<a href="#">38,131</a>	<a href="#">38,026</a>
Protein Clusters	<a href="#">78</a>	<a href="#">78</a>
Identical Protein Groups	<a href="#">136,590</a>	<a href="#">136,550</a>
Bio Project	<a href="#">1,125</a>	<a href="#">1,122</a>
Bio Sample	<a href="#">35,931</a>	<a href="#">35,869</a>
Assembly	<a href="#">44</a>	<a href="#">43</a>

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**Triticum aestivum**

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Copy correct scientific name and paste (or write it correctly)

Organism group  
Plants (41)  
Customize ...

Status  
clear  
✓ Latest (41)  
Latest GenBank (41)

Assembly level  
Complete genome (0)  
Chromosome (15)  
Scaffold (17)  
Contig (9)

RefSeq category  
Reference (0)  
Representative (1)

Exclude  
clear  
Exclude partial (18)  
✓ Exclude anomalous (0)  
Customize ...

Annotation  
status  
Has annotation (4)  
GenBank has annotation (4)

Taxonomy check  
status  
OK (0)  
Inconclusive (0)  
Failed (0)

Relation to type  
material

Summary ▾ 20 per page ▾ Sort by Significance ▾

[Download Assemblies](#)

### Search results

Items: 1 to 20 of 41 Selected: 2

Filters activated: Latest, Exclude anomalous. [Clear all](#) to show 43 items

1. [wheat\\_cv\\_fielder\\_v1\\_assembly](#)  
Organism: Triticum aestivum (bread wheat)  
Intraspecific name: Cultivar: Fielder  
Submitter: Leibniz Institute of Plant Genetics and Crop Plant Research  
Date: 2021/07/14  
Assembly level: Chromosome  
Genome representation: full  
RefSeq category: representative genome  
GenBank assembly accession: GCA\_907166925.1 (latest)  
RefSeq assembly accession: n/a  
IDs: 10497421 [UID] 27857778 [GenBank]

2. [iwgsc\\_refseqv1.0](#)  
Organism: Triticum aestivum (bread wheat)  
Intraspecific name: Cultivar: Chinese Spring (IWGSC RefSeq v1.0)  
Submitter: IWGSC  
Date: 2018/08/20  
Assembly level: Chromosome  
Genome representation: full  
GenBank assembly accession: GCA\_900519105.1 (latest)  
RefSeq assembly accession: n/a

Send to: ▾ Filters: [Manage Filters](#)

Choose Destination

☒ File ☐ Clipboard

☐ Collections

Download 2 items.

Format

Sort by

[Create File](#)

Search details

txid4565[Organism:nox  
(latest[filter] AND a  
NOT anomalous[filter]

Search

Recent activity

txid4565[Organism:nox  
(latest[filter] AND all[filter]

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Filter without Blast

Megablast Blastn

Start GAS

Search by scientific name in the assembly database, choose the assembly, download the ID table, and browse the table through GAS.

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Start GAS

Enter your email and this is what NCBI requires to contact you if anything happens.

GAS

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**Browse Sequence FASTA file**

☐ Filter without Blast

☒ Megablast ☐ Blastn

Start GAS

Enter a FASTA file that contains only one sequence and is less than 1000 bases.

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☒ Megablast

☐ Blastn

Start GAS

It filters all files that are similar to the name of the entered fasta file that are in the same folder without blastn action.

[illegible]

Choose megablast or blastn



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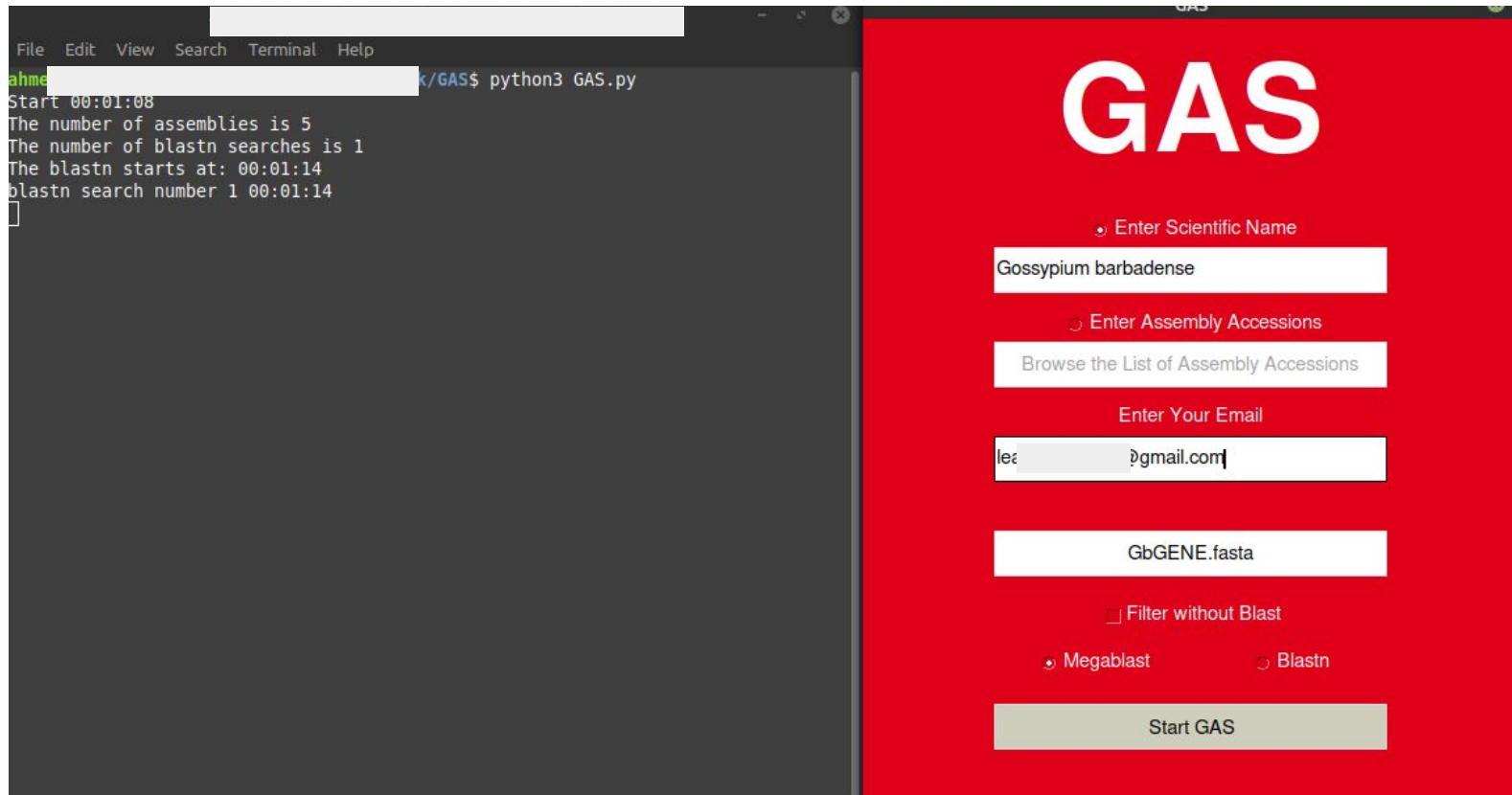
☐ Filter without Blast

☒ Megablast

☐ Blastn

Start GAS

Run GAS



Follow the steps of the GAS through the CMD or the terminal