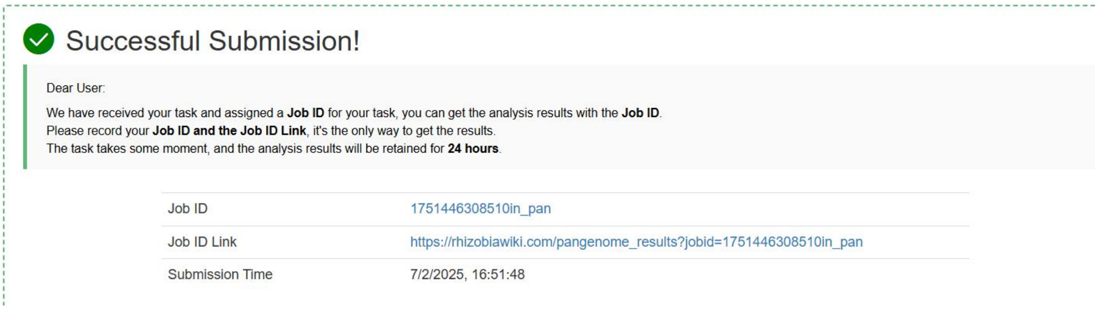
Pangenome - RhizobiaWiki

This tool is designed to gain evolutionary insights into specific group of rhizobia and close-related strains through pan-genome analysis. This tool allows users to run pangenome analysis using own genomes and strains in RhizobiaWiki.

Two modes are now applied in this tool:
(1) specific genomes in RhizobiaWiki;
(2) genomes in RhizobiaWiki + user uploaded genome.


Upload genome type:
● Upload genome only from database
○ Upload your own genome

Upload Genome file:
strain_list.txt


Successful Submission!

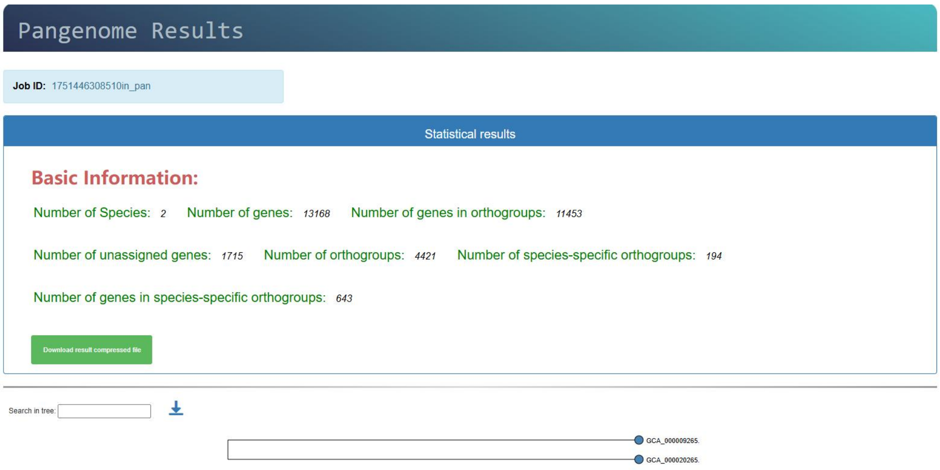
Dear User:

We have received your task and assigned a **Job ID** for your task, you can get the analysis results with the **Job ID**.
Please record your **Job ID and the Job ID Link**, it's the only way to get the results.
The task takes some moment, and the analysis results will be retained for **24 hours**.

Job ID	1751446308510in_pan
Job ID Link	https://rhizobiawiki.com/pangenome_results?jobid=1751446308510in_pan
Submission Time	7/2/2025, 16:51:48

The user only need to upload a text file containing all NCBI accessions of strains and click the submit button to submit your task.

Once you submit your task, a new text will be displayed at the bottom of the website.
Please save the Job ID or Link of your job, the result can be traced by job ID.


Pangenome Results

Job ID: 1751446308510in_pan

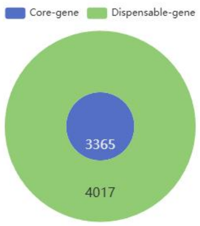
Statistical results

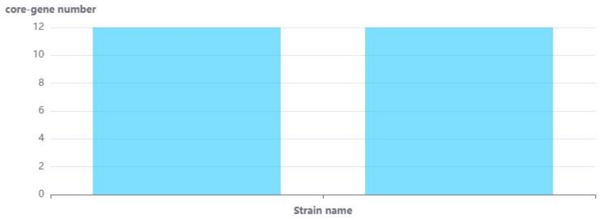
Basic Information:

Number of Species: 2 Number of genes: 13168 Number of genes in orthogroups: 11453

Number of unassigned genes: 1715 Number of orthogroups: 4421 Number of species-specific orthogroups: 194

Number of genes in species-specific orthogroups: 643





The users can view basic pangenome statistics of strains. In additions, all results files can be downloaded for downstream analysis.