



OmicShare tools: A zero-code interactive online platform for biological data analysis and visualization

Hongyan Mu¹, Jianzhou Chen¹, Wenjie Huang¹, Gui Huang, Meiyong Deng, Shimiao Hong, Peng Ai*, Chuan Gao*, Huangkai Zhou*

Guangzhou Genedenovo Technology Co., Ltd., Guangzhou, China



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Introduction



Home / Tools center

TOOLS

<https://www.omicshare.com/tools/>

complex

newest

hottest

55 tools in total 1 / 4

Search



VIP Free

♡ 129



Dynamic venn

Intersection/union statistics, personalized graphics modification

VIP Free

♡ 73



Dynamic gsea

report_gsea

VIP Free

♡ 645



PCA

Convert linearly massive variables into several important variables and draw a tw...

VIP Free

♡ 76



Dynamic sankey

Show the flow of data changes

VIP Free

♡ 28



Dynamic Grouped violin

Visualization of data distribution patterns

VIP Free

♡ 31



Ridgeline plot

Used to compare the distribution of different data

VIP Free

♡ 103



Dynamic volcano

reportvolcano

VIP Free

♡ 640



Enrichment bubble chart

Using bubble chart to show the results of enrichment analysis

VIP Free

♡ 174



Dynamic Heatmap

A graphical representation of data matrix with colors.

VIP Free

♡ 390



GO enrichment analysis

Analyze GO terms that significantly enriched in a given gene set comparing to...

VIP Free

♡ 160



Correlation analysis between groups

Show the pairwise correlation of all elements between two tables

VIP Free

♡ 388



Dynamic Pathway Enrichment Analysis

Pathway enrichment analysis in given gene sets comparing to the genome background.



All



My Collection



heatmap



Interaction a...



functional anal...



basic graph vi...



cluster analysis



data mining



sequence tools



table tools

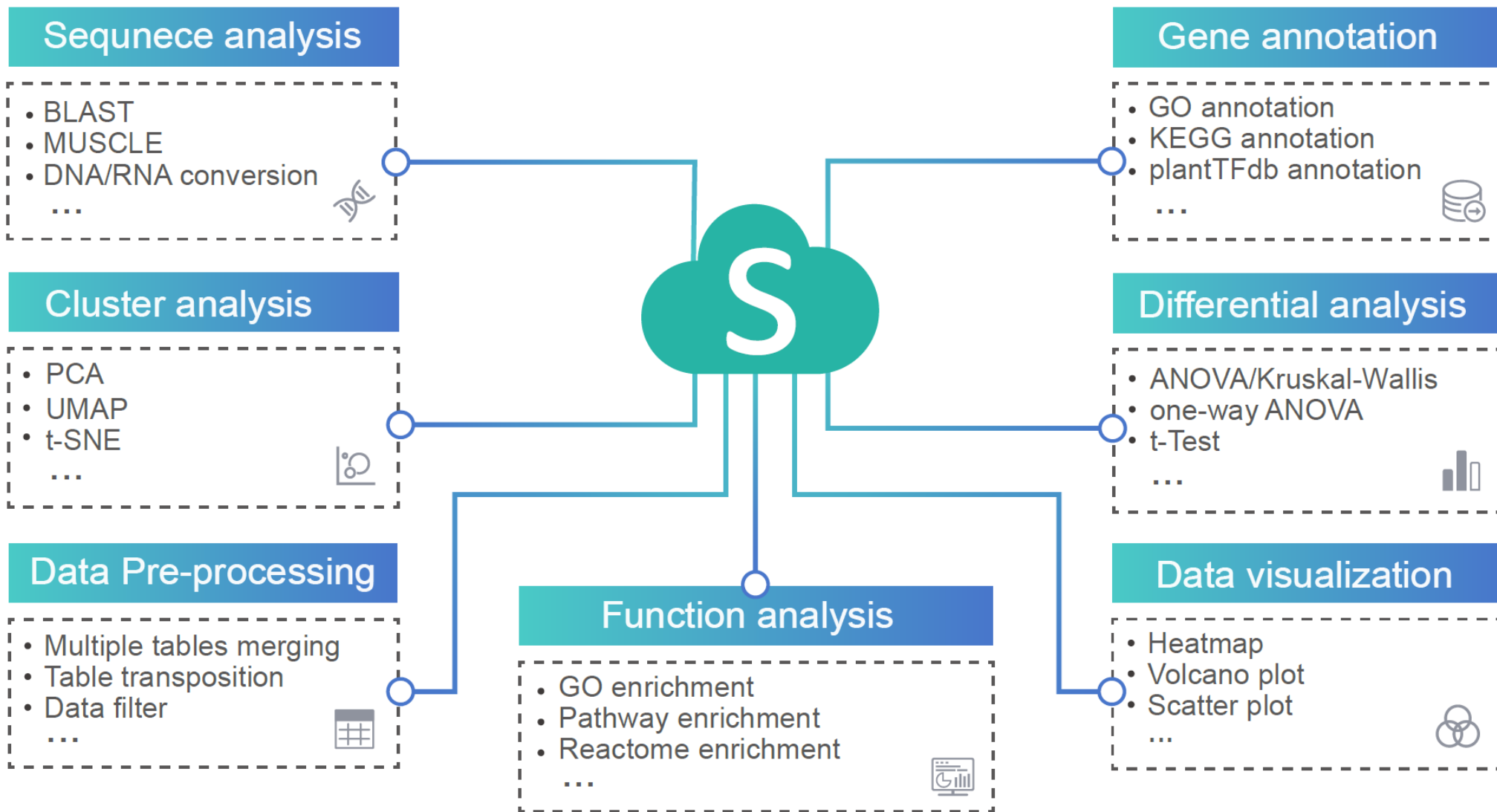


annotaion tools



Overview of OmicShare Tools

The OmicShare tools suite is a robust collection encompassing 161 bioinformatic tools.





User-friendly Tool Interface

The use of OmicShare tools is designed to simplify and enhance the efficiency of analysis. Users begin by selecting the tool that best suits their research needs, uploading their data *via* a user-friendly graphical interface, and configuring the necessary parameters to launch their analysis.

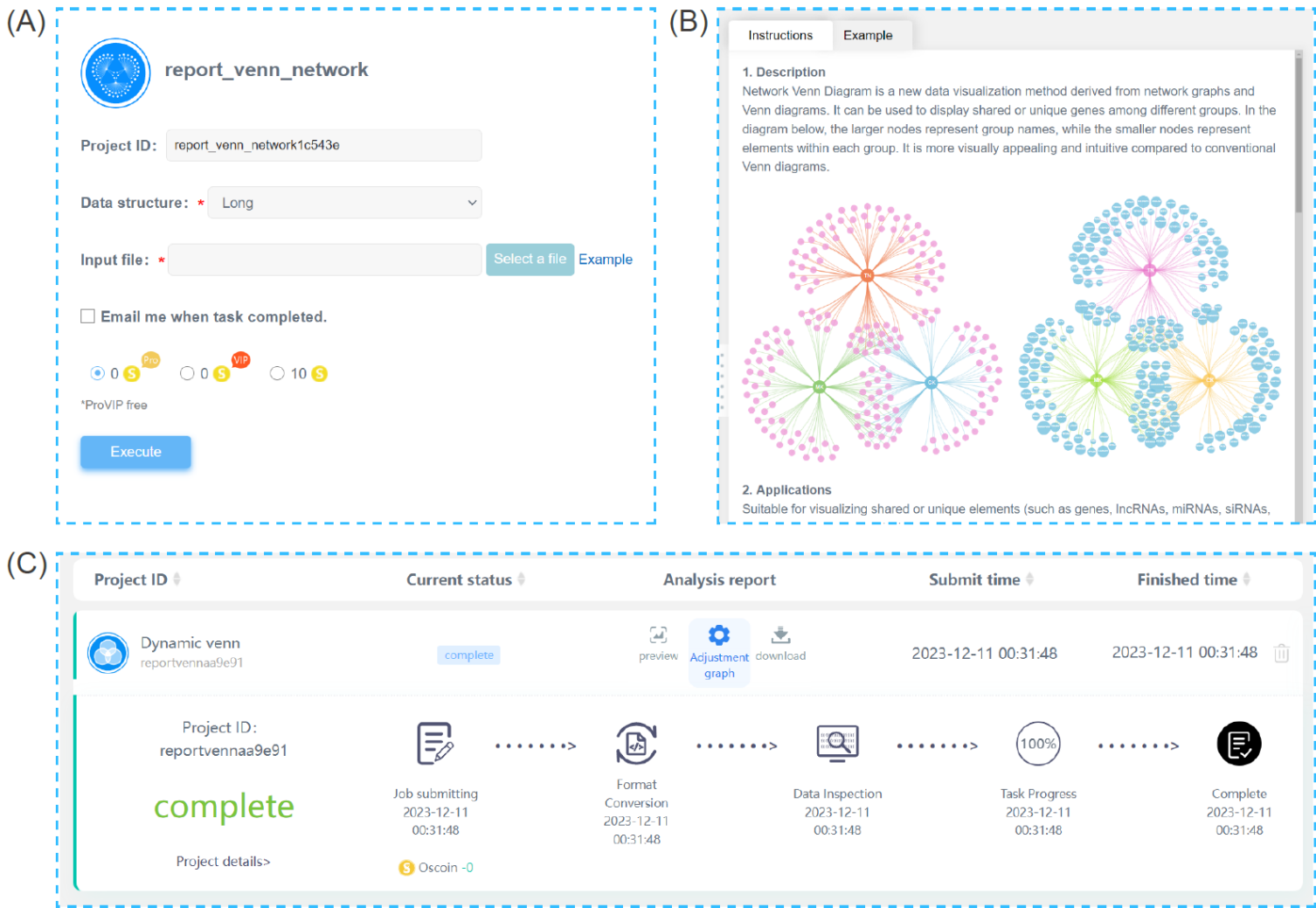
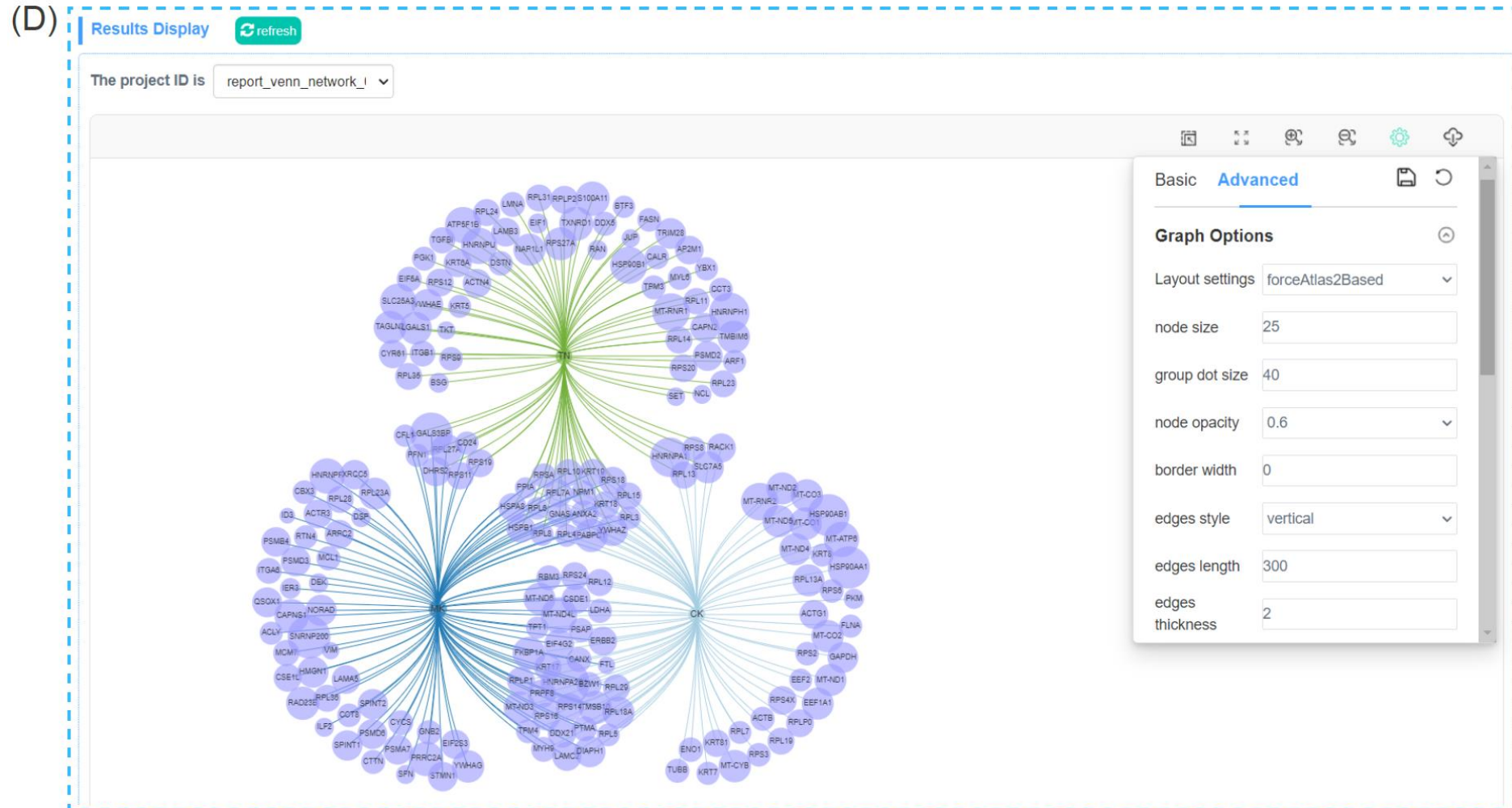


Figure 1. The main functional interface of OmicShare tools. (A) Data submission section. (B) Description documentation and sample sections. (C) Tasks progress section. (D) Plots and Graphic toolbar.



The OmicShare tools possess an advanced interactive graphical engine. This engine presents users with a range of graphical settings that can be modified in real-time *via* an online interface, allowing for tweaks to chart elements including axes, fonts, themes, and color schemes.





Support for exporting high-quality images

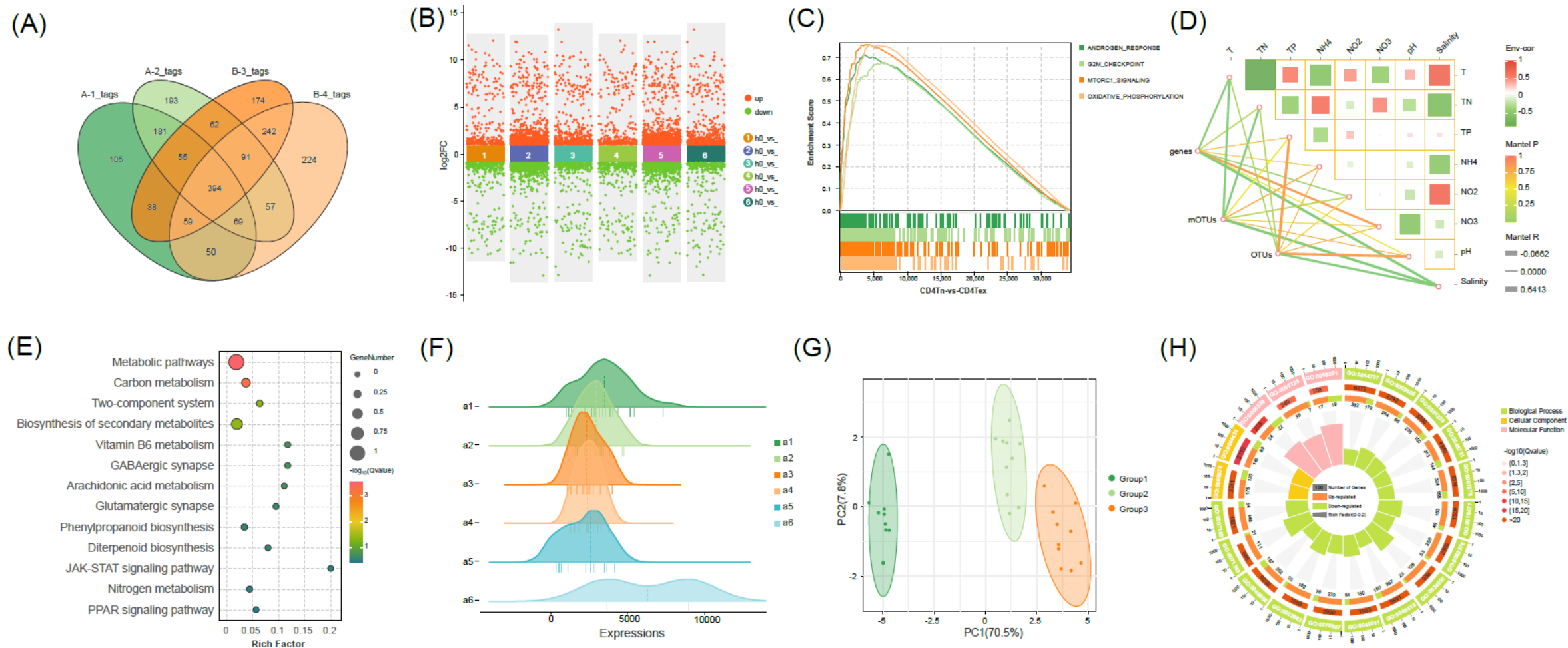


Figure 2. Examples of OmicShare tools output. (A) Venn plot. (B) scatter plot. (C) Gene Set Enrichment Analysis (GSEA) Enrichment. (D) Network heatmap. (E) Enrichment bubble plot. (F) ridgeline plot. (G) Principal component analysis (PCA) scatter plot. (H) Enrichment circle.



Summary

- ❑ The OmicShare tools platform is a user-friendly online resource for data analysis and visualization, encompassing 161 bioinformatic tools.
- ❑ The platform has a powerful interactive graphics engine that allows for the custom-tailored modification of charts generated from analyses.
- ❑ The visually appealing charts produced by OmicShare improve data interpretability and meet the requirements for publication.
- ❑ Website: <https://www.omicshare.com/tools/>

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iMeta: Integrated meta-omics to change the understanding of the biology and environment

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 office@imeta.science
imetaomics@imeta.science

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