

零基础基因/数据差异分析（二）

15:20:54 发布

AMO开发者矩阵 文章已被社区收录

语言零基础基因/数... 专栏收录该内容

本文详细介绍如何在R中安装ggplot2包，并通过实例讲解如何根据LogFC和FDR筛选基因，最后使用ggplot2制作详细的基因表达变化热力图，展示了上调、下调和无显著变化的基因。

展示

安装ggplot2包

制作方法

系列/有连贯性，每一步都很详细，每一步都很重要，请耐心等待！！

：



lot2包

内容来源: csdn.net

作者昵称: Frms

原文链接: https://blog.csdn.net/qq_39751227/article/details/118759858

作者主页: https://blog.csdn.net/qq_39751227

Environment History Connections Tutorial

Import Dataset 320 MiB

R Global Environment

Data

df	58341 obs. of 5 variables
p1	Large gg (9 elements, 4.5 MB)

Files Plot Packages Help Viewer

Install Update

Name	Description	Version
User Library		
<input type="checkbox"/> askpass	Safe Password Entry for R, Git, and SSH	1.1
<input type="checkbox"/> base64enc	Tools for base64 encoding	0.1-3
<input type="checkbox"/> BiocManager	Access the Bioconductor Project Package Repository	1.30.16
<input type="checkbox"/> BiocVersion	Set the appropriate version of Bioconductor packages	3.13.1
<input type="checkbox"/> bitops	Bitwise Operations	1.0-7
<input type="checkbox"/> calibrate	Calibration of Scatterplot and Biplot Axes	1.7.7
<input type="checkbox"/> caTools	Tools: Moving Window Statistics, GIF, Base64, ROC AUC, etc	1.18.2
<input type="checkbox"/> cli	Helpers for Developing Command Line Interfaces	3.0.0
<input type="checkbox"/> colorspace	A Toolbox for Manipulating and Assessing Colors and Palettes	2.0-2
<input type="checkbox"/> crayon	Colored Terminal Output	1.4.1
<input type="checkbox"/> curl	A Modern and Flexible Web Client for R	4.3.2
<input type="checkbox"/> digest	Create Compact Hash Digests of R Objects	0.6.27
<input type="checkbox"/> ellipsis	Tools for Working with ...	0.3.2
<input type="checkbox"/> evaluate	Parsing and Evaluation Tools that Provide More Details than the Default	0.14
<input type="checkbox"/> fansi	ANSI Control Sequence Aware String Functions	0.5.0

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#上调趋势

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element

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Install Packages

Install from:

Repository (CRAN)

?

Configuring Repositories

Packages (separate multiple with space or comma):

ggplot2

ggplot2

ggplot2movies

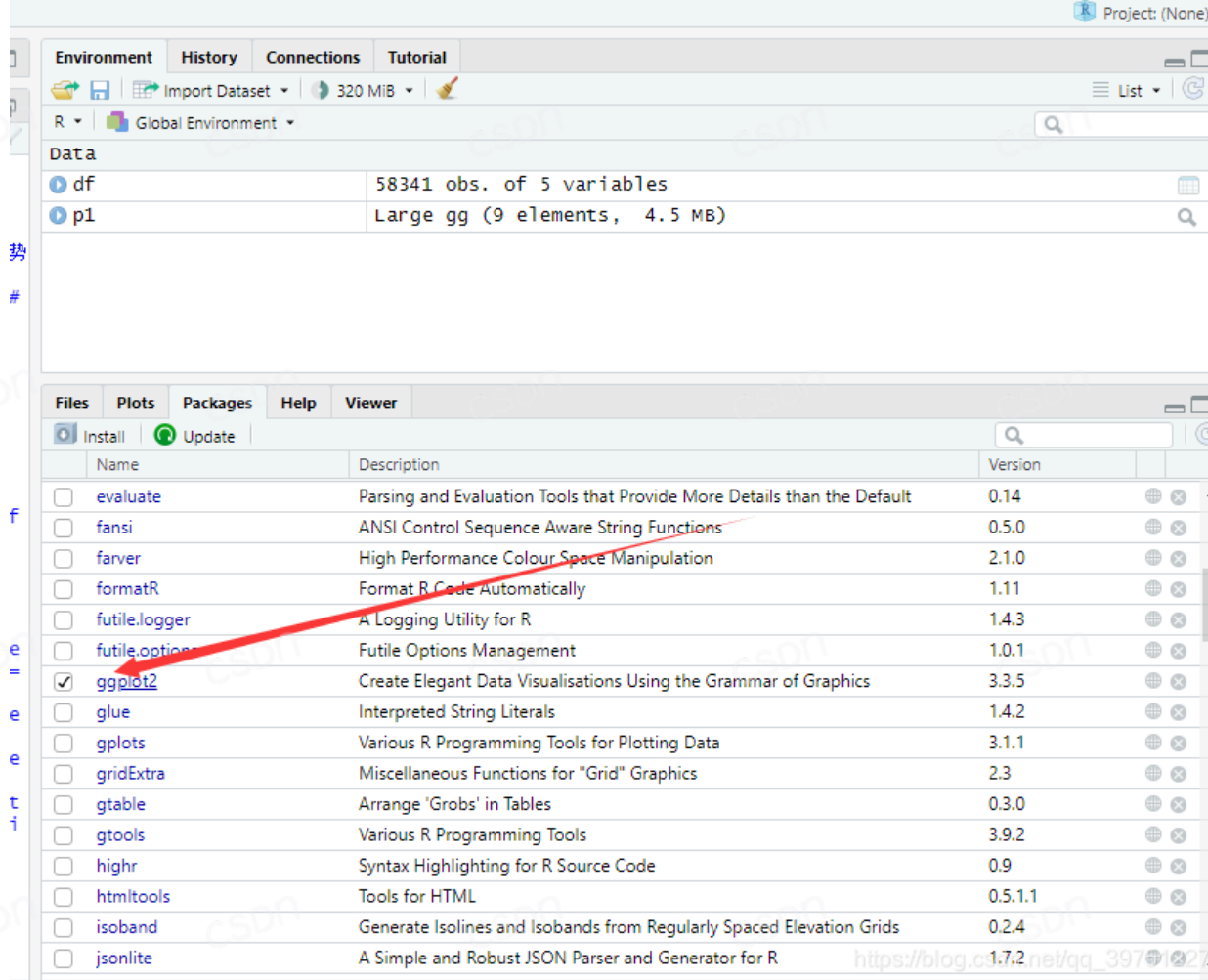
Documents/R/win-library/4.1 [Default]

☒ Install dependencies

Install

Cancel

	Version	
for R, Git, and SSH	1.1	
oding	0.1-3	
ctor Project Package Repository	1.30.16	
ersion of Bioconductor packages	3.13.1	
	1.0-7	
plot and Biplot Axes	1.7.7	
caTools	Tools: Moving Window Statistics, GIF, Base64, ROC AUC, etc	1.18.2
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ellipsis	Tools for Working with ...	0.3.2
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即可。

的选定标准，即logFC和FDR，请仔细阅读代码修改即可，这里给出的标准是：

> 1 且 $FDR < 0.01$

选择文件

```
data = read.csv(file.choose(),
  header = T #是否有标题，T表示有，F反之
)
```

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一键获取完整项目代码

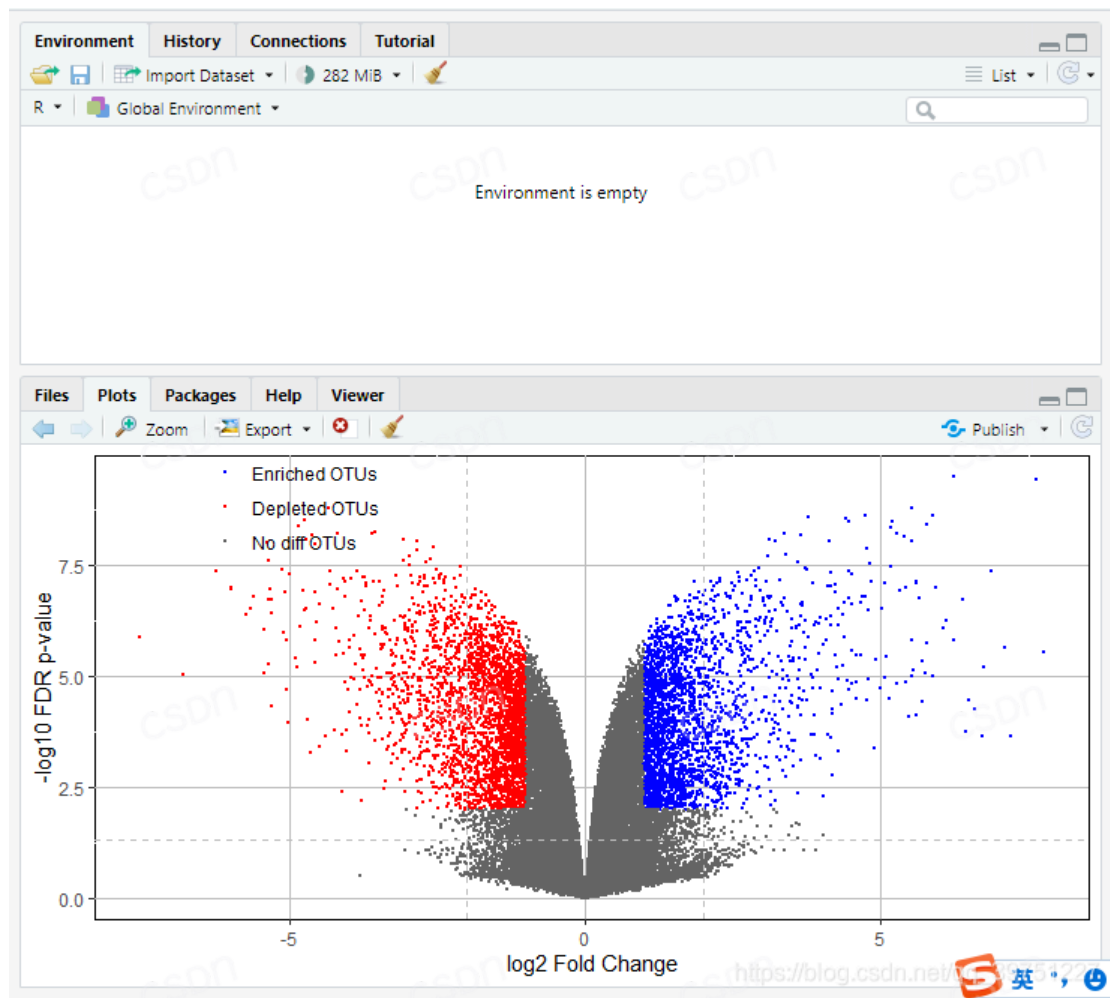
载包 (反正多余不影响)

```
library(ggplot2)
```

注意, 符号与负数之间最好有一个或多个空格

如 `< -1` 否则无法运行

展开



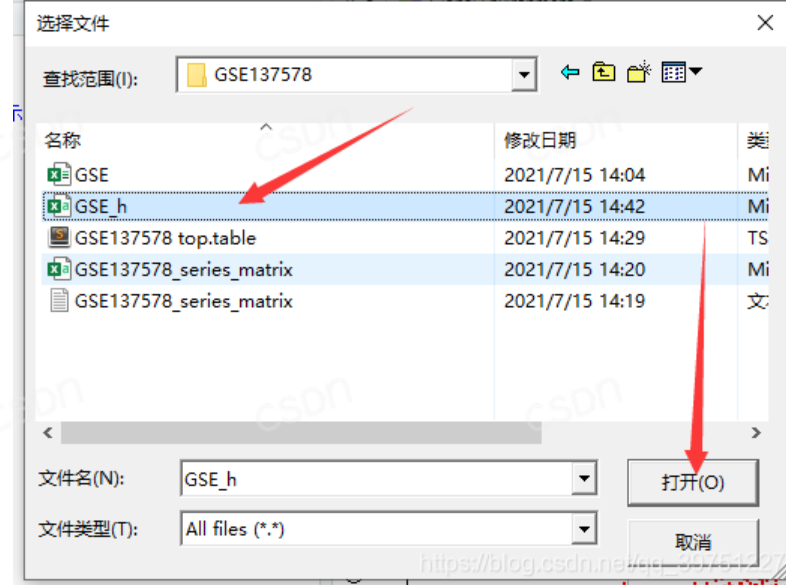
此时会弹出选择文件, 注意上一章我们所说的文件, 选择上即可。

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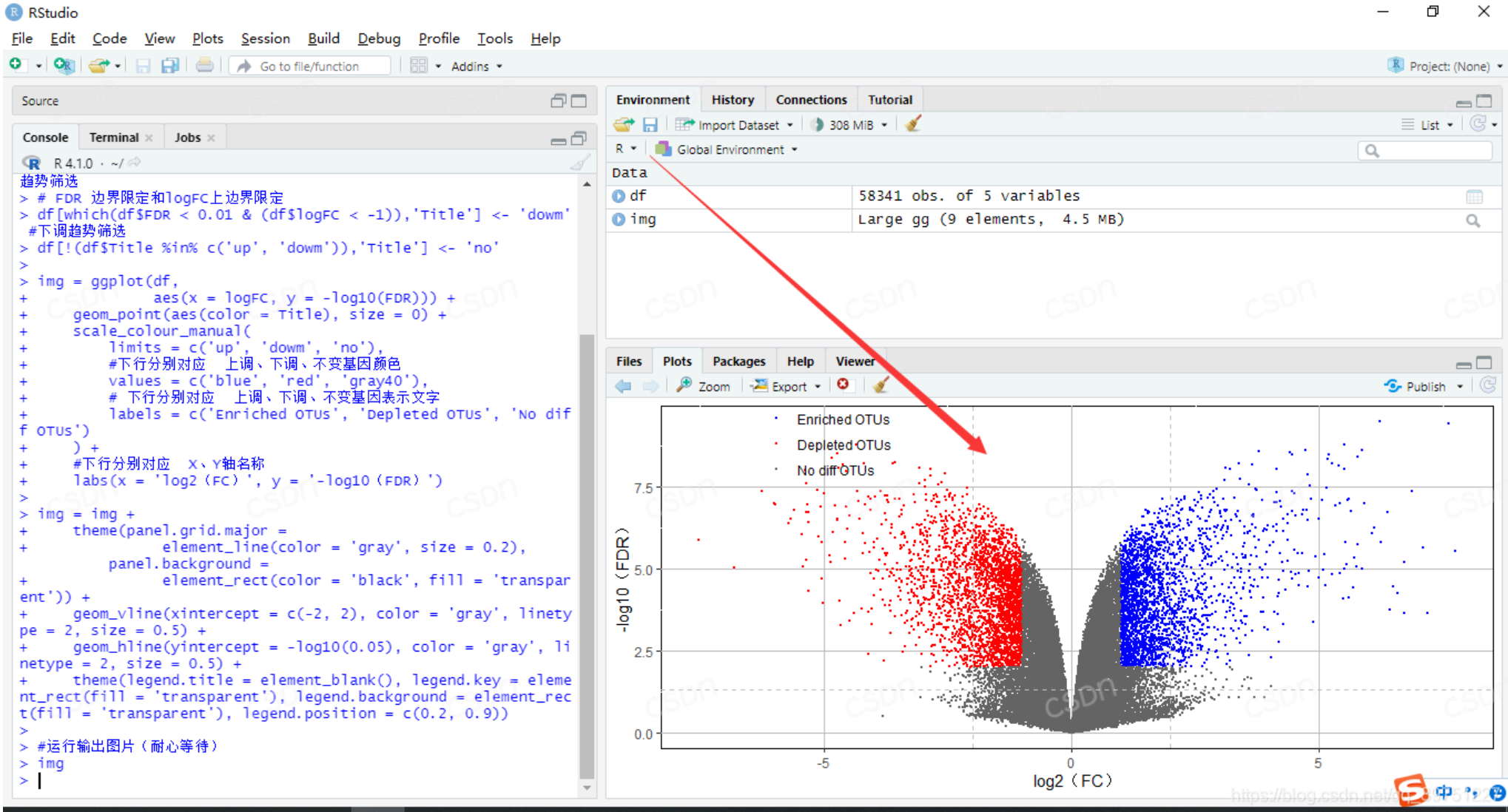


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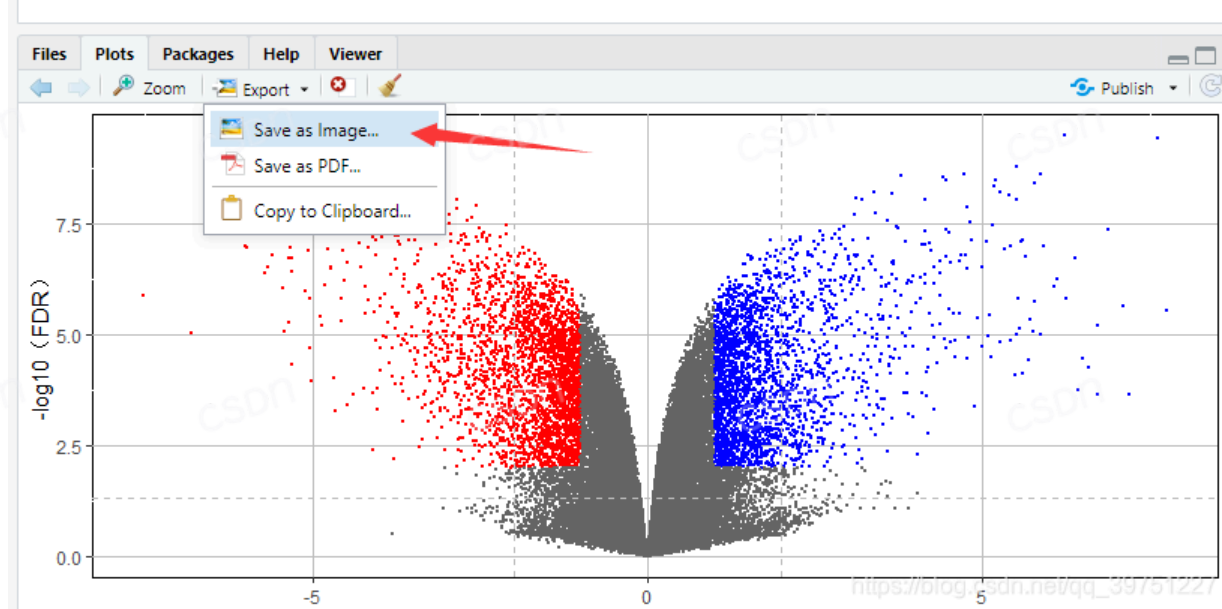
出

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