# Illumina HiSeq 2000/2500/3000/4000 高通量测序数据上传GEO方法

2018/08/08

#### 1.1 上传网页:

http://www.ncbi.nlm.nih.gov/geo/info/seq.html

点击 Login





GEO Publications FAQ

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NCBI » GEO » Info » Submitting high-throughput sequence data to GEO

Login

#### Submitting high-throughput sequence data to GEO

- Introduction
- Categories of sequence submissions processed by GEO
- Deposit instructions
- Raw data file formats.
- Data submission

Introduction

GEO archives various categories of functional genomic sequence data generated by next-generation sequencing methodologies. We accept data for studies that examine gene expression profiling, gene regulation and epigenetics. To see existing next-generation sequence records in GEO, see links to example records for specific data categories or browse all next-generation sequence studies in GEO DataSets.

Data provision and standards

Administration

GEO sequence submission procedures are designed to

All standard GEO administration and processing

1.2 进入 http://www.ncbi.nlm.nih.gov/geo/submitter/ 所有的GEO提交都是通过NCBI来实现的。 如果没有NCBI账户,请点击左边的箭头创建NCBI账户; 否则就点击右边的 箭头进入GEO登录页面. 之后按照最下面的图进入GEO的主页。





GEO Publications

FAO

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Email GEO

NCBI » GEO » Submitter

#### Submitter login

You only need to log in if you want to submit data or update existing submissions. Browsing or downloading GEO's public holdings is unrestricted and does not require an account.

Effective May 1st, 2013, all GEO submitters must log in through My NCBI. If you already have a My NCBI account, please login. Otherwise, please create a My NCBI account here.

IMPORTANT: After logging in to My NCBI you will be given the option to link that account with your legacy GEO account and thereby gain access to existing submissions.



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kangcheng | GEO submissions | Sign out

NCBI » GEO » Submitte Submitter login

Investigator

Use this section to provide details about the primary investigator. This information will be

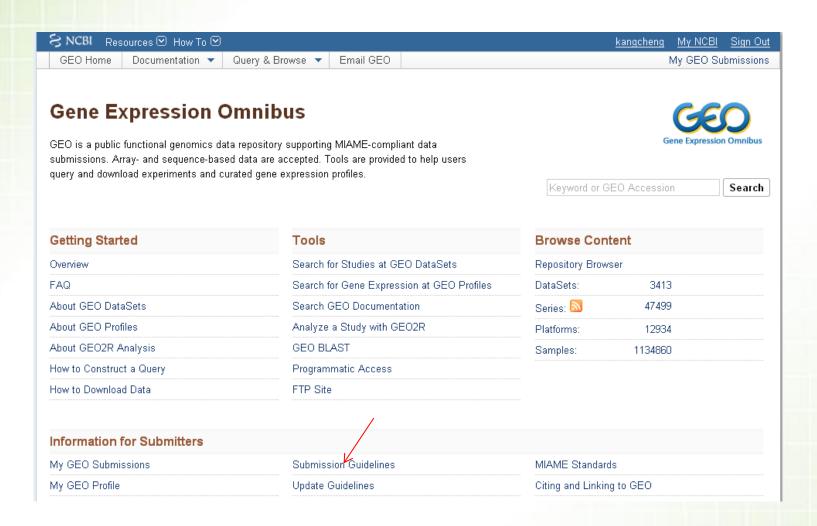
Organization name\*

Submitter (Account manager)

If the person responsible for submitting the data to GEO is different from the

### 1.3 进入GEO主页 http://www.ncbi.nlm.nih.gov/geo/

点击: Submission Guidelines



#### 1.4 点击High-throughput sequence submissions





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User: | My submissions | Logout

NCBI » GEO » Info » Submitting data

#### Submitting data

GEO accepts many categories of high-throughput functional genomic data, including all array-based applications and some high-throughput sequencing data.

We aim to make data deposit procedures as straightforward as possible and will provide as much assistance as you require to get your data submitted to GEO. If you have problems or questions about submission, e-mail us with a brief description of the type of data you are trying to submit, and one of our curators will quickly get back to you.

#### Data types

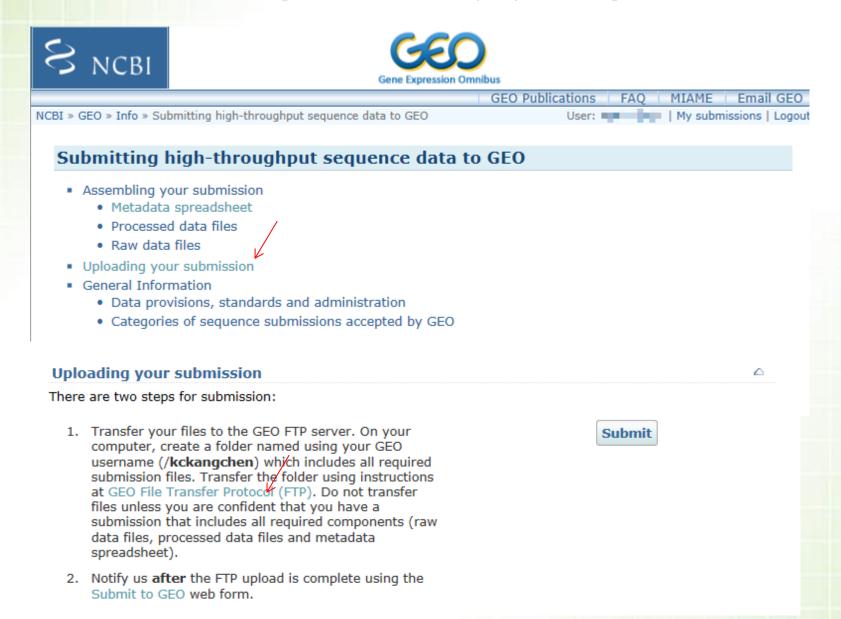
Submit microarray

Submit high-throughput sequencing

Submit other (includes NanoString, RT-PCR, traditional SAGE)

**WARNING:** If you are submitting human data, it is your responsibility to comply with Human Subject Guidelines.

1.5 进入GEO提交网页 http://www.ncbi.nlm.nih.gov/geo/info/seq.html



# 高通量测序数据GEO上传所需内容

Metadata spreadsheet( 元数据表单)

实验设计和各个样本的描述信息,以及各步骤的 protocols内容, processed 和 raw data file names 信息

Processed data files (处 理过程中的 数据) 与论文中的结论相关的数据,表达谱数据如mRNA和miRNA放置raw和normalized数据,比如miRNA-seq得到的TPM,mRNA-seq中的Cufflinks和Cuffdiff处理得到的结果。ChIP-seq和MEDIP-seq放置tag density 文件和peak文件,比如bed, wig, tab分隔的txt文档等等。

Raw data files (原始数 据)

测序平台产生的序列和质量值数据(\*.gz)

#### 2. 上传准备

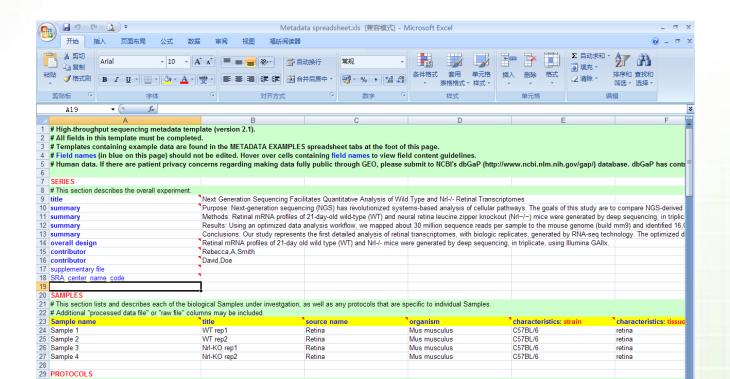
- 2.1 建立以你的用户名为文件名的文件夹:比如 kangchen
- 2.2 把做好的Metadata spreadsheet, Processed data files, Raw data files放进去。其中Raw data files放置原始的以gz 压缩好的fastq文件。

#### 元数据表单模板

#### Metadata spreadsheet

Download metadata spreadsheet (template and examples)

Metadata refers to descriptive information about the overall study, individual samples, all protocols, and references to processed and raw data file names. Information is supplied by completing all fields of a metadata template spreadsheet. Guidelines on the content of each field are provided within the spreadsheet.



#### 3. 通过FTP上传

#### 3.1 下载FileZila

- FTP instructions:
  - · Files may be transferred by many methods. Here are the ones we recommend:
    - Windows and Mac OS X: we recommend the free client software, FileZilla.
      - 1. Connect using the following FTP login information:

ftp-private.ncbi.nlm.nih.gov
Please use the 'fasp' directory.

username A=0

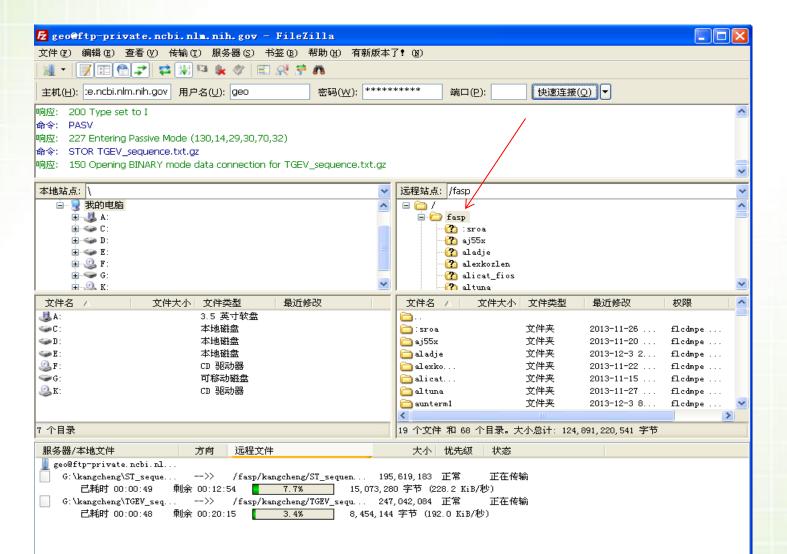
password DoaDAzro...

- Drag-n-drop directory or file(s) into the /fasp directory on the FTP server. When transferring multiple files please drop the files into a directory that includes your GEO username.
- Linux/Unix: we recommend that you try 'ncftp'. Optimized settings are detailed in this README file.

Here is a typical 'ncftp' session:

- Connect to the server: ncftp ftp://geo:D0gDAzr0va@ftp-private.ncbi.nih.gov/fasp
- Set buffer size (recommended for faster transfer): set so-bufsize 33554432
- Transfer an entire directory (named using your GEO username) plus content using: put -R GEOusername\_directory

3.2 根据上页信息登录FTP,然后将以你的用户名为文件名的文件夹拖入fasp,等待上传完毕



### GEO上传数据验证流程

数据上传成功后,一定要给GEO发一封邮件,写明下图中的三点内容

GEO curator 开始处理递交的数据 Contact you

解释并修正数据中他们认为有问题的地方 5个工作日

- · Email notification:
  - After file transfer is complete, please e-mail GEO with the following information:
    - GEO account username (kangcheng);
    - 2. Names of the directory and files deposited;
    - 3. Public release date (required up to 3 years from now FAQ).
  - It is important to send us this e-mail notification because unannounced files will be removed from our FTP site
    without being processed. We do not send automated confirmation that files have been received. You should
    expect to receive an e-mail from a curator within 5 business days after you send us the notification (FAQ).