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#### 1. Instructions prepare files to upload to GEO ####  
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**Main steps involved in submitting a study to GEO are preparing the files for depositing, filling out metadata spreadsheet.**

**Metadata spreadsheet:** Includes all the information related to GEO submission (Experiment details, raw files, processed files etc)  
*Template can be found in example folder*

## **NOTES:**

1. GEO requires both raw files and a form of processed files (wiggle files or aligned files or peak files etc). **All the files must be compressed**

2. You can fill the file checksum column the spreadsheet by using ***md5 <filename>*** command in terminal.

3. The folder uploaded to GEO should have the following structure:

**KrausLab\_XXXXXGEOSubmission** folder:

    metadata spreadsheet,  
    **rawFiles** folder,  
    **processedFiles** folder

4. Compress the folder using:

***tar -zcvf KrausLab\_XXXXXGEOSubmission.tar.gz***  
**KrausLab\_XXXXXGEOSubmission/**

5. If you need to submit two different experiments like ChIP-seq and GRO-seq etc under the same study, have them under separate folders with separate metadata sheets and you can request to have them as separate sub series linked under a super series. In this example, you will need 3 metadata sheets (2 for sub-series, 1 for super-series)

6. After preparing the metadata, files Follow instructions in **2.FTP\_instructionsToDepositDataTo\_GEO.pdf** for transferring the files to GEO.

**# Useful links:**

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

<http://www.ncbi.nlm.nih.gov/geo/submission/depslip.cgi>

<http://www.ncbi.nlm.nih.gov/geo/info/spreadsheet.html#GEOarchive>