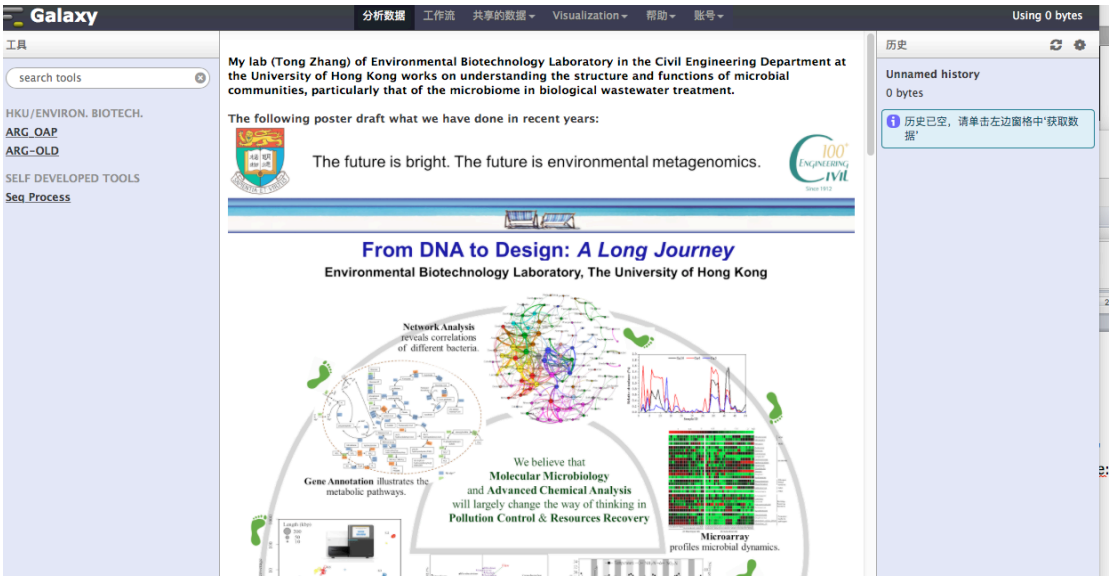
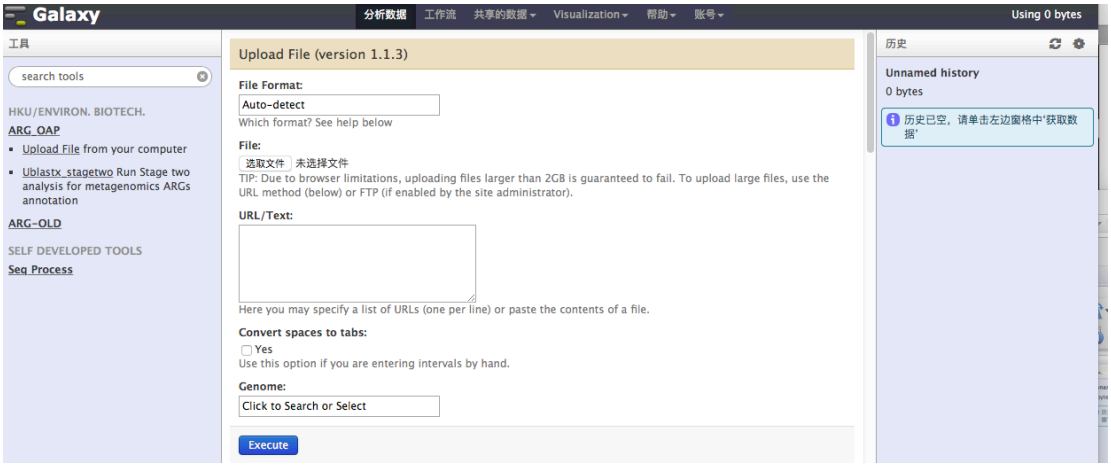
Using ARG_OAP to assign ARGs to type and subtype levels

1. Go to **http://smile.hku.hk/SARGs/**



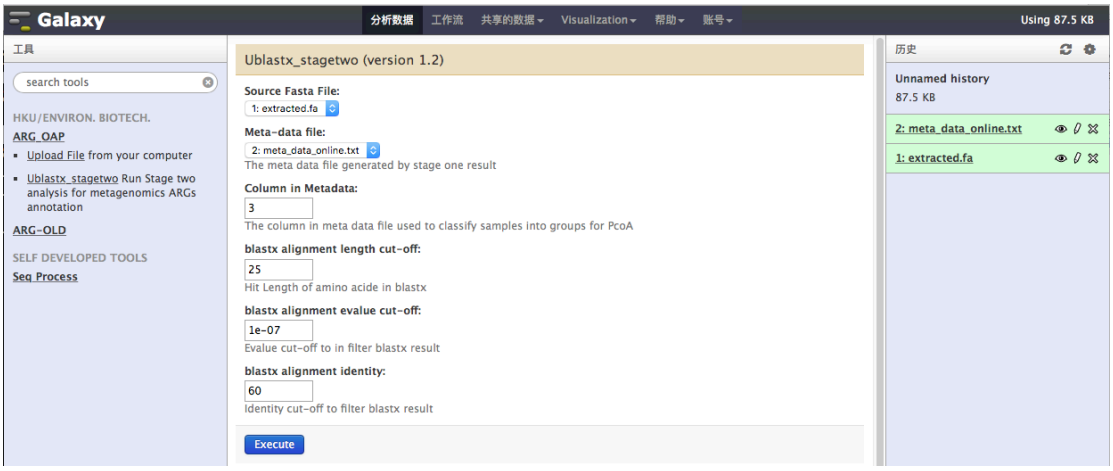
2. Click **ARG-OAP -> Upload Files** to upload files generated by Ublastx_stage_one: **extracted.fa** and **meta_data_online.txt** into ARG_OAP separately.



After uploading it would be like this on the history panel:

3. Click **Ublastx_stagetwo** to run the second step to assign ARGs into type and

subtype level.



For **Source Fasta** File: choose the uploaded extracted.fa

Meta-data file: choose the uploaded meta_data_online.txt

Users can chose the parameters for the similarity search and the column number in the meta_data_online file to be the classification catergory for PcoA plotting colors.

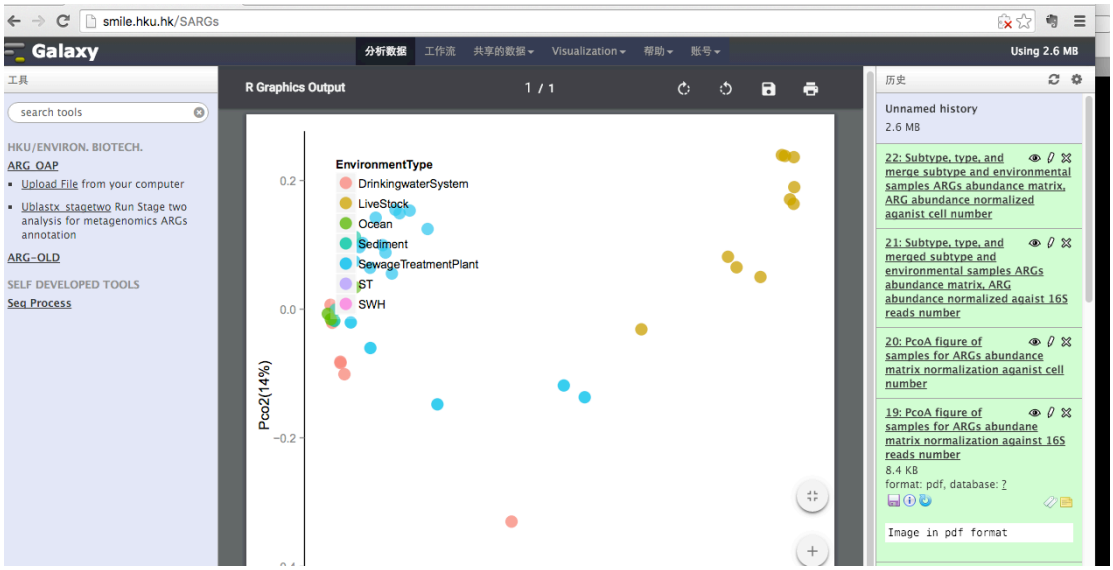
Click **Execute** to perform the analysis.

4. After the step finished, there are four output files on the history panel and user can download them:

The four output files are the final results for ARGs identification results:

Files 1, 2 are the PcoA figure for samples of environmental samples from ocean sediment, drinking water system, sewage treatment system and livestocks for ARGs abundance matrix normalized by 16S reads number and cell number separately.

File 3, 4 are the mother tables for subtype, type and subtype of user samples and environmental samples ARGs abundance of normalization on 16S reads number and cell number separately.


smile.hku.hk/SARGs
Galaxy
分析数据
工作流
共享的数据
Visualization
帮助
账号
Using 2.6 MB
工具
search tools
HKU/ENVIRON. BIOTECH.
ARG_OAP
Upload File from your computer
Ublastx_stagetwo Run Stage two analysis for metagenomics ARGs annotation
ARG-OLD
SELF DEVELOPED TOOLS
Seq Process
R Graphics Output
1 / 1
EnvironmentType
DrinkingwaterSystem
LiveStock
Ocean
Sediment
SewageTreatmentPlant
ST
SWH
Pco2(14%)
0.2
0.0
−0.2
历史
Unnamed history
2.6 MB
22: Subtype, type, and merge subtype and environmental samples ARGs abundance matrix, ARG abundance normalized aganist cell number
21: Subtype, type, and merged subtype and environmental samples ARGs abundance matrix, ARG abundance normalized agaist 16S reads number
20: PcoA figure of samples for ARGs abundance matrix normalization aganist cell number
19: PcoA figure of samples for ARGs abundane matrix normalization against 16S reads number
8.4 KB
format: pdf, database: ?
Image in pdf format