A Big Earth Data Platform for Three Poles

**Ancient DNA sequencing data of archaeological sediments from Klu lding site in Nyingchi region**

1、Description

1) Data content: the data are the ancient DNA data generated by studying the cultural layer of Klu lding site in Nyingchi region, Tibetan Plateau, including the hiseqx metagenomics data of 10 ancient DNA samples from 4 layers. It can be used to preliminarily analyze the changes of species composition recorded by ancient DNA in the sediments, and reveal the process of local agricultural development.
2) Data source and processing method: the research group has its ownership. the data were obtained by using pair-end library building and Illumina hiseqx sequencing platform.
3) Data quality: 20.3 MB, Q30 > 85%.
4) Application: The data will be used to explore the potential of the ancient DNA from archaeological sediments in revealing the development of ancient agriculture on the Tibetan Plateau.

2、Keywords

Theme：Agriculture,Crops,Agricultural Resources,Vegetation,Others,Terrestrial sediment records
Discipline：Terrestrial Surface,Human-nature Relationship,Palaeoenvironment
Places：Nyingchi, Tibetan Plateau, Klu lding
Time：2019-2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：20.3MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.55 | - |
| west：94.48 | - | east：94.48 |
| - | south：29.55 | - |

5、Time frame:2020-05-30 16:00:00+00:00--2021-11-29 16:00:00+00:00

6、Reference method

References to data:

YANG Xiaoyan. Ancient DNA sequencing data of archaeological sediments from Klu lding site in Nyingchi region. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2718942021

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: YANG Xiaoyan
unit:
email: xyang@itpcas.ac.cn