Datasets for Li, Wenhao et al. (2021), Validating eDNA Measurements of the Richness and Abundance of Anurans at a Large Scale

**Raw reads**

**0\_1.fq, 0\_2.fq**

Raw reads for library 1

**1\_1.fq, 1\_2.fq**

Raw reads for library 2

**2\_1.fq, 2\_2.fq**

Raw reads for library 3

**3\_1.fq, 3\_2.fq**

Raw reads for library 4

**4\_1.fq, 4\_2.fq**

Raw reads for library 5

**5\_1.fq, 5\_2.fq**

Raw reads for library 6

**6\_1.fq, 6\_2.fq**

Raw reads for library 7

**7\_1.fq, 7\_2.fq**

Raw reads for library 8

**8\_1.fq, 8\_2.fq**

Raw reads for library 9

**9\_1.fq, 9\_2.fq**

Raw reads for library 10

**Data files**

**altitude.csv**

A data table of altitude of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**circumfere.csv**

A data table of circumfere of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**crowndensity.csv**

A data table of crowndensity of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**deepth.csv**

A data table of water body deepth of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**ph.csv**

A data table of waterbody pH of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**sqr.csv**

A data table of waterbody area of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**temp.csv**

A data table of water temperature of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**vegetdensity.csv**

A data table of vegetdensity of sample site

**site** site id of sample site

**Y1** first visit

**Y2** second visit

**Y3** third visit

**Bufo.bio.csv**

A data table of body data *Bufo gargarizans*

**svl** body length

**mass** body mass

**femu.bio.csv**

A data table of body data *Fejervarya kawamurai*

**svl** body length

**mass** body mass

**hach.bio.csv**

A data table of body data *Hyla chinensis*

**svl** body length

**mass** body mass

**mior.bio.csv**

A data table of body data *Microhyla ornata*

**svl** body length

**mass** body mass

**peni.bio.csv**

A data table of body data *Pelophylax nigromaculatus*

**svl** body length

**mass** body mass

**raca.bio.csv**

A data table of body data *Lithobates catesbeianus*

**svl** body length

**mass** body mass

**razh.bio.csv**

A data table of body data *Rana zhenhaiensis*

**svl** body length

**mass** body mass

**raca.bio.tadpole.csv**

A data table of body data *Lithobates catesbeianus* tadpole

**svl** body length

**mass** body mass

**Bufo.tra.csv**

A data table of traditional line transect method result of *Bufo gargarizans*

**site** site id of sample site

**tra1** first visit

**tra2** second visit

**tra3** third visit

**mior.tra.csv**

A data table of traditional line transect method result of *Microhyla ornata*

**site** site id of sample site

**tra1** first visit

**tra2** second visit

**tra3** third visit

**peni.tra.csv**

A data table of traditional line transect method result of *Pelophylax nigromaculatus*

**site** site id of sample site

**tra1** first visit

**tra2** second visit

**tra3** third visit

**razh.tra.csv**

A data table of traditional line transect method result of *Rana zhenhaiensis*

**site** site id of sample site

**tra1** first visit

**tra2** second visit

**tra3** third visit

**hach.tra.csv**

A data table of traditional line transect method result of *Hyla chinensis*

**site** site id of sample site

**tra1** first visit

**tra2** second visit

**tra3** third visit

**raca.tra.csv**

A data table of traditional line transect method result of *Lithobates catesbeianus*

**site** site id of sample site

**tra1** first visit

**tra2** second visit

**tra3** third visit

**raca.tra.tadpole.csv**

A data table of traditional line transect method result of *Lithobates catesbeianus* tadpole

**site** site id of sample site

**tra1** first visit

**tra2** second visit

**tra3** third visit

**Xy.71.csv**

A data table of coordinate of sample site

**frog\_ngsfilter.txt**

Filter file for Next-generation sequencing

**Code.sh**

 Filter step bash code for Next-generation sequencing

**Own\_reference.fasta**

 Reference seqence for local database

**0.tab**

 Tab file for filtering results of library 1

**1.tab**

 Tab file for filtering results of library 2

**2.tab**

 Tab file for filtering results of library 3

**3.tab**

 Tab file for filtering results of library 4

**4.tab**

 Tab file for filtering results of library 5

**5.tab**

 Tab file for filtering results of library 6

**6.tab**

 Tab file for filtering results of library 7

**7.tab**

 Tab file for filtering results of library 8

**8.tab**

 Tab file for filtering results of library 9

**9.tab**

 Tab file for filtering results of library 10