ENCODEFig4Band4D

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`Tf-model` *Data objects needed for computation of the figures*

Description

This dataset consists of two data frames: `TF_model_data` and `TF_binding_profile_160bin`.

Usage

```
data("TF-Model")
```

Format

`TF_model_data` is a dataframe whose rows correspond to the TSSs. Its 1st colum is the response variable, namely expression leveles measure by CAGE (polyA+ Whole cell RNA in K562). The remaining 40 columns are predictors, namely, TF binding signals.

`TF_binding_profile_160bin` is a dataframe whose 240 rows correspond to 80 bins around TSS [-4kb, 4kb]; for each bin there are 3 values for all, HCP, LCP genes, respectively. Its columns correspond to 84 TF binding profiles.

Details

Further details go here.

Source

Information on the data provenance. Where are the underlying raw data?

References

Reference to the Encode paper and/or other relevant papers.

Examples

```
data("TF-Model")

dim(TF_model_data)
head(colnames(TF_model_data))
TF_model_data[1:4,1:3]

stopifnot(all(
  dim(TF_binding_profile_160bin)== c(240, 84)
))
head(colnames(TF_binding_profile_160bin))
TF_binding_profile_160bin[1:4, 1:3]
```

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