Package 'dREG.HD'

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Version 1.0.0			
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Title Refining dREG peaks	Title Refining dREG peaks by imputing DNase-I hypersensitivity site		
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Depends			
R (>= 2.14), bigWig (>= 2.14)	>= 0.2-9), e1071, rphast, dREG, graphics, snowfall, data.table, methods		
LinkingTo			
Suggests Rgtsvm			
Description This package is	s an analysis pipeline for refining dREG peaks		
License GPL-3			
Collate get_genomic_data.R dREG_HD_GPU_working.R			
biocViews Sequencing, Ana	iocViews Sequencing, Analysis		
LazyLoad yes			
R topics document dreg_hd Index	ea: 	1 3	
dreg_HD	Run dREG-HD	_	
Description			
Run dREG-HD			
Usage			
dREG_HD(bed_path,			
bigwig_plus,			
<pre>bigwig_minus, model,</pre>			
ncores=1,			
use_rgtsvm = F	FALSE)		

2 dREG_HD

Arguments

bed_path path to the dREG peaks in bed format
bigwig_plus the path the the plus strand of bigwig file
bigwig_minus the path the minus strand of bigwig file
model the dREG-HD model trained by dREG-HD
ncores Number of CPU cores in parallel computing

use_rgtsvm use GPU or not

Examples

```
bed_path <-system.file("extdata","k562.chr21.predictions.bed", package="dREG.HD")
bigwig_plus<-system.file("extdata","K562.chr21.plus.bw", package="dREG.HD")
bigwig_minus<-system.file("extdata","K562.chr21.minus.bw", package="dREG.HD")
model_path <-system.file("extdata","dREG_HD.model.rdata", package="dREG.HD")
load(model_path)

dREG_HD(bed_path= bed_path, bigwig_plus = bigwig_plus, bigwig_minus = bigwig_minus, model=model)</pre>
```

Index

*Topic **function**dREG_HD, 1

dREG_HD, 1