Package 'dREG.HD'

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Title Refining dREG peaks by imputing DNase-I hypersensitivity site
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Depends R (>= 2.14), bigWig (>= 0.2-9), e1071, rphast, dREG, graphics, snowfall, data.table, methods
LinkingTo
Suggests
Description This package is an analysis pipeline for refining dREG peaks
License GPL-3
Collate get_genomic_data.R dREG_HD_GPU_working.R
biocViews Sequencing, Analysis
LazyLoad yes
R topics documented:
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Arguments

bed_path path to the dREG peaks in bed format bigwig_plus the path the plus strand of bigwig file bigwig_minus the path the minus strand of bigwig file

chromInfo the file specifies chromosome sizes

 $model_path$ the path dREG-HD model

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")
chromInfo <-system.file("extdata","chromInfo.hg19", package="dREG.HD")
model_path <-system.file("extdata","dREG_HD.model.rdata", package="dREG.HD")</pre>

dREG_HD(bed_path= bed_path, bigwig_plus = bigwig_plus, bigwig_minus = bigwig_minus, chromInfo= chromInfo, mode

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*Topic **function**dREG_HD, 1

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