Package ‘HiCDataHumanIMR90’

March 23, 2017

Title Human IMR90 Fibroblast HiC data from Dixon et al. 2012

Description The HiC data from Human Fibroblast IMR90 cell line (HindIII restriction) was retrieved from the GEO website, accession number GSE35156 (http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE35156). The raw reads were processed as explained in Dixon et al. (Nature 2012).

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Suggests HiTC
biocViews ExperimentData, Genome, Homo_sapiens_Data, GEO
License GPL-3
InstallableEverywhere yes
Depends R (>= 2.10)
NeedsCompilation no

R topics documented:

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Dixon2012_IMR90  HiC data Human IMR90

Description

Human Fibroblast IMR90 Hi-C Data (Dixon et al.)

Usage
data(Dixon2012_IMR90)
Format

Contains one HTClst objects (hic_imr90_40) and one GRanges object (tads_imr90). The hic_imr90_40 object contains all intra/interchromosomal contact maps. The tads_imr90 object contains the intervals of topological domains.

Details

This HiC dataset published by Dixon et al (GSE35156), contains all genome-wide contact maps.

Source


References


Examples

data(Dixon2012_IMR90)
show(hic_imr90_40)
show(tads_imr90)
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