Package 'LungCancerLines'

October 7, 2021

Type Package
Title Reads from Two Lung Cancer Cell Lines
Version 0.30.0
Author Cory Barr, Michael Lawrence
Maintainer Cory Barr darr.cory@gene.com>
Imports Rsamtools
Description Reads from an RNA-seq experiment between two lung cancer cell lines: H1993 (met) and H2073 (primary). The reads are stored as Fastq files and are meant for use with the TP53Genome object in the gmapR package.
License Artistic-2.0
biocViews ExperimentData, Genome, CancerData, LungCancerData, RNASeqData
git_url https://git.bioconductor.org/packages/LungCancerLines
git_branch RELEASE_3_13
git_last_commit 76a4666
git_last_commit_date 2021-05-19
Date/Publication 2021-10-07
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TP53Genome-package Genomic Sequence of the TP53 Gene Plus a 1-Megabase Region on Each Side of the Gene

Description

This package was created to use in examples and test sets for the gmapR and VariationTools packages.

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Details

Package: TP53Genome Type: Package Version: 1.0 Date: 2012-09-05

License: Artistic-2.0

By calling data(p53Genome), users will have access to a GmapGenome object for the TP53 genome.

Author(s)

Cory Barr

Examples

data(p53Genome)

LungCancerBamFiles

Get the BAM paths

Description

Gets a BamFileList pointing to BAM files containing read alignments for the H1993 and H2073 RNA-seq samples. The files are the "analyzed" BAM files as output by the HTSeqGenie package.

Usage

LungCancerBamFiles()

Details

The reads were aligned to genome TP53Genome, using the following parameters:

- splicing: knownGene
- novelsplicing: 1
- indel_penalty: 1
- distant_splice_penalty: 1
- suboptimal_levels: 2
- npaths: 10

Note that the BAM files contain only unique alignments.

Value

A BamFileList pointing to two BAM files, one for H1993, one for H2073.

Author(s)

Michael Lawrence

Examples

LungCancerBamFiles()

LungCancerFastqFiles Get the Fastq paths

Description

Returns a character vector of file paths to the demo Fastq files.

Usage

LungCancerFastqFiles()

Value

A character vector, named according to "H[1993/2073].[first/last]".

Author(s)

Michael Lawrence

Examples

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