

Package ‘AneuFinderData’

March 13, 2025

Type Package

Title WGSCS Data for Demonstration Purposes

Version 1.35.0

Date 2016-12

Author Aaron Taudt

Maintainer Aaron Taudt <aaron.taudt@gmail.com>

Description Whole-genome single cell sequencing data for demonstration purposes in the AneuFinder package.

Depends R (>= 3.3)

License file LICENSE

biocViews CopyNumberVariationData, LungCancerData, Homo_sapiens_Data, SequencingData

NeedsCompilation no

RoxygenNote 5.0.1

git_url <https://git.bioconductor.org/packages/AneuFinderData>

git_branch devel

git_last_commit 1556b6e

git_last_commit_date 2024-10-29

Repository Bioconductor 3.21

Date/Publication 2025-03-13

Contents

BB150803_IV_074	2
hg19_diploid	2
KK150311_VI_07	2
metastasis_liver	3
primary_lung	3

Index	4
--------------	----------

BB150803_IV_074 *Example BAM-file*

Description

A BAM-file for demonstration purposes of the functions in package **AneuFinder**.

Format

A BAM file with aligned reads.

Source

A single cell from T-cell Acute Lymphoblastic Leukemia in mouse. The file has been downsampled to 20% of the coverage to reduce the file size. For further details see TODO: insert publication (tumor ID T386).

hg19_diploid *Diploid BAM-file*

Description

A BAM-file with reads from a diploid human brain cell for demonstration purposes of the functions in package **AneuFinder**.

Format

A BED file with aligned reads.

Source

A single cell with WGSCS reads of a human brain cell. Unpublished data.

KK150311_VI_07 *Example BED-file*

Description

A BED-file for demonstration purposes of the functions in package **AneuFinder**.

Format

A BED file with aligned reads.

Source

A single cell with Strand-seq reads. Unpublished data.

metastasis_liver	<i>Liver metastasis results</i>
------------------	---------------------------------

Description

Liver metastasis results in the form of Hidden Markov Models saved as RData, generated by the **AneuFinder** package.

Format

Files with aneuHMM objects.

Source

Patient material from a liver metastasis of a 79 year old women. For details see TODO:insert publication.

primary_lung	<i>Primary lung cancer results</i>
--------------	------------------------------------

Description

Primary lung cancer results in the form of Hidden Markov Models saved as RData, generated by the **AneuFinder** package.

Format

Files with aneuHMM objects.

Source

Patient material from a primary small cell lung cancer of a 79 year old women. For details see TODO:insert publication.

Index

bam (BB150803_IV_074), 2

BB150803_IV_074, 2

bed (KK150311_VI_07), 2

diploid (hg19_diploid), 2

hg19_diploid, 2

KK150311_VI_07, 2

liver (metastasis_liver), 3

lung (primary_lung), 3

metastasis (metastasis_liver), 3

metastasis_liver, 3

primary (primary_lung), 3

primary_lung, 3