Package 'indel.shiny'

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Type Package
Title Analyze heterozygous and homozygous indels
Version 1.5
Date 2019-01-05
Author Robert Deibel
Maintainer Anastasia Eskova <anastasia.eskova@tuebingen.mpg.de></anastasia.eskova@tuebingen.mpg.de>
Description Shiny app for analysis of heterozygous and homozygous indels using .ab1 Sanger sequence files and reference sequence in fasta format as a .txt file.
License MIT License + file LICENSE
Imports BiocGenerics, Biostrings, crayon, knitr, msa, readr, sangerseqR, shiny
NeedsCompilation no
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indel.shiny-package Analyze heterozygous and homozygous indels

Description

Shiny app for analysis of heterozygous and homozygous indels using .ab1 Sanger sequnce files and reference sequence in fasta format as a .txt file.

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Details

The DESCRIPTION file:

Package: indel.shiny Type: Package

Title: Analyze heterozygous and homozygous indels

Version: 1.5

Date: 2019-01-05 Author: Robert Deibel

Maintainer: Anastasia Eskova <anastasia.eskova@tuebingen.mpg.de>

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License: MIT License + file LICENSE

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test.data Test Data for the indel script

Use start_indel_shiny() to start the shiny application.

Author(s)

Robert Deibel

Maintainer: Anastasia Eskova <anastasia.eskova@tuebingen.mpg.de>

Examples

```
## Not run:
start_indel_shiny()
## End(Not run)
```

calculate.indel

Calculates Indels for Base strings

Description

Calculates and prints the found indels for a given String of IUPAC bases

Usage

```
calculate.indel(sequence, max.shift)
```

Arguments

sequence A String of IUPAC bases

max.shift An integer stating the prefered maximum shift length. Is 15 by default

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Value

Calculated indel Strings with marked indel positions

Author(s)

Robert Deibel

Examples

```
## Not run:
calculate.indel("AAAGGGTTTTCCCGCT", 12)
## End(Not run)
```

start_indel_shiny

Start Shiny App

Description

Start the shiny indel application

Usage

```
start_indel_shiny()
```

Value

The running shiny app

Author(s)

Anastasia Eskova

Examples

```
## Not run:
start_indel_shiny()
## End(Not run)
```

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test.data

Test Data for the indel script

Description

Can be used to test the calculate.indel() function.

Usage

rivers

Format

A string of bases in IUPAC notation

Source

Anastasia Eskova

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