

# Package ‘indel.shiny’

January 5, 2019

**Type** Package

**Title** Analyze heterozygous and homozygous indels

**Version** 1.5

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**Author** Robert Deibel

**Maintainer** Anastasia Eskova <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.

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**Imports** BiocGenerics, Biostrings, crayon, knitr, msa, readr, sangerseqR, shiny

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indel.shiny-package	<i>Analyze heterozygous and homozygous indels</i>
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## 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.

## Details

The DESCRIPTION file: This package was not yet installed at build time.

Index: This package was not yet installed at build time.  
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)
```

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calculate.indel

*Calculates Indels for Base strings*

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**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 preferred maximum shift length. Is 15 by default

**Value**

Calculated indel Strings with marked indel positions

**Author(s)**

Robert Deibel

**Examples**

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

## End(Not run)
```

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start_indel_shiny	<i>Start Shiny App</i>
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**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	<i>Test Data for the indel script</i>
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**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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