

Package ‘ALSBinary’

August 8, 2026

Type Package

Title 'ALS-Binary': Allele Size to Binary Converter

Version 1.0.0

Description Converts microsatellite allele sizes into binary matrices and provides a 'Shiny' interface.

Depends R (>= 4.3.0)

Imports shiny, readr, readxl, DT

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

License GPL-3

Encoding UTF-8

Config/roxygen2/version 8.0.0

NeedsCompilation no

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allele_to_binary	<i>Convert allele sizes to binary</i>
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Description

This function converts microsatellite allele sizes into binary matrices.

Usage

```
allele_to_binary(data, repeat_lengths)
```

Arguments

data	Input data frame with Marker, Genotype, and allele sizes
repeat_lengths	Repeat length info

Value

A list of binary matrices

als_binary	<i>Alias: als_binary</i>
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Description

Alias: als_binary

Usage

```
als_binary()
```

Value

A shiny.appobj object representing the Shiny application.

runALSBinaryApp	<i>Run ALS-Binary Shiny App</i>
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Description

Run ALS-Binary Shiny App

Usage

```
runALSBinaryApp()
```

Value

A shiny.appobj object representing the Shiny application.

run_app	<i>Alias: run_app</i>
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Description

Alias: run_app

Usage

```
run_app()
```

Value

A shiny.appobj object representing the Shiny application.

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