Package ‘verbalisr’

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Type Package
Title Describe Pedigree Relationships in Words
Version 0.2.1
Description Describe in words the genealogical relationship between two members of a given pedigree. ‘verbalisr’ is part of the ‘ped suite’ collection of packages for pedigree analysis. For a demonstration of ‘verbalisr’, see the online app ‘QuickPed’ at <https://magnusdv.shinyapps.io/quickped>.

License GPL-3
URL https://github.com/magnusdv/verbalisr,
https://magnusdv.github.io/pedsuite/

BugReports https://github.com/magnusdv/verbalisr/issues
Depends pedtools (>= 0.9.7), R (>= 3.5.0)
Imports ribd
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Author Magnus Dehli Vigeland [aut, cre]
(https://orcid.org/0000-0002-9134-4962)

Maintainer Magnus Dehli Vigeland <m.d.vigeland@medisin.uio.no>
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Describes a pairwise relationship

The description includes all pedigree paths between the two individuals, indicating with brackets the topmost common ancestors in each path.

Usage

```
verbalise(x, ids, verbose = TRUE, debug = FALSE)
```

Arguments

- `x`: A ped object.
- `ids`: A vector containing the names of two pedigree members.
- `verbose`: A logical.
- `debug`: A logical, by default FALSE.

Value

A character vector.

Examples

```
# Example 1: Family quartet
x = nuclearPed(2)
verbalise(x, 1:2)
verbalise(x, 2:3)
verbalise(x, 3:4)

# Example 2: Complicated cousin pedigree
y = doubleCousins(degree1 = 1, removal1 = 1, half1 = TRUE,
                  degree2 = 2, removal2 = 0, half2 = FALSE)
verbalise(y, leaves(y))

# Example 3: Full sib mating
z = fullSibMating(1)
verbalise(z, 5:6)
verbalise(z, c(1, 5))

# Example 4: Quad half first cousins
```
verbalisr

w = quadHalfFirstCousins()
verbalise(w, leaves(w))

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**Description**

Describe the genealogical relationship between two members of a given pedigree. verbalisr is part of the *ped suite* collection of packages for pedigree analysis.
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