Package 'alabaster.string'

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| Title Save and Load Biostrings to/from File |
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| Version 1.8.0 |
| Date 2023-12-29 |
| Description Save Biostrings objects to file artifacts, and load them back into memory. This is a more portable alternative to serialization of such objects into RDS files. Each artifact is associated with metadata for further interpretation; downstream applications can enrich this metadata with context-specific properties. |
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2 readXStringSet

Description

Read a XStringSet object from its on-disk representation. This is usually not directly called by users, but is instead called by dispatch in readObject.

Usage

```
readXStringSet(path, metadata, ...)
```

Arguments

| path | String containing a path to a directory, itself created using the saveObject method for XStringSet objects. |
|----------|---|
| metadata | Named list of metadata for this object, see readObjectFile for details. |
| | Further arguments passed to internal altReadObject calls. |

Value

An XStringSet subclass containing DNA, RNA, protein or custom sequences. This may also be a QualityScaledDNAStringSet with quality scores.

See Also

```
"saveObject, XStringSet-method", to save an XStringSet to disk.
```

Examples

```
library(Biostrings)
stuff <- DNAStringSet(c("AAA", "CC", "G", "TTTT"))

tmp <- tempfile()
saveObject(stuff, tmp)
readObject(tmp)</pre>
```

Description

Save a XStringSet to its on-disk representation.

Usage

```
## S4 method for signature 'XStringSet'
saveObject(x, path, ...)
```

Arguments

x A XStringSet or any of its subclasses such as a QualityScaledXStringSet.
 path String containing the path to a directory in which to save x.
 ... Further arguments to pass to specific methods.

Value

The contents of x are saved into a path, and NULL is invisibly returned.

Author(s)

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See Also

readXStringSet, to read the XStringSet back into the R session.

Examples

```
library(Biostrings)
stuff <- DNAStringSet(c("AAA", "CC", "G", "TTTT"))

tmp <- tempfile()
saveObject(stuff, tmp)
list.files(tmp, recursive=TRUE)</pre>
```

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