

Package: vcfheader (via r-universe)

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Type Package

Title Fast Genetic Variant Call Format File Header Intelligence and Audit

Version 0.1.0

License GPL-3

Language en-GB

Description Streams and parses variant call format file headers without reading full files. Provides structured metadata, validation, inference, and HTML reporting. For details on the specifications used see Danecek et al. (2021) <[doi:10.1093/gigascience/giab008](https://doi.org/10.1093/gigascience/giab008)>.

Encoding UTF-8

RoxygenNote 7.3.3

Suggests knitr, rmarkdown, testthat (>= 3.0.0), xml2

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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Depends R (>= 3.5.0)

Repository <https://cran.r-universe.dev>

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parse_vcf_header	<i>Parse a VCF header into a structured object</i>
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Description

Reads only the header portion of a VCF or gzipped VCF file and returns a structured vcf_hdr object containing parsed metadata, field definitions, sample names, warnings, and errors.

Usage

```
parse_vcf_header(path)
```

Arguments

path	Path to a VCF or .vcf.gz file.
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Value

A vcf_hdr object.

print.vcf_hdr	<i>Print a vcf_hdr object</i>
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Description

Print a vcf_hdr object

Usage

```
## S3 method for class 'vcf_hdr'
print(x, ...)
```

Arguments

x	A vcf_hdr object.
...	Unused.

Value

Invisibly returns x.

read_vcf_header	<i>Read the header lines from a VCF file</i>
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Description

Read the header lines from a VCF file

Usage

```
read_vcf_header(path)
```

Arguments

path	Path to a VCF file.
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Value

A character vector of header lines.

vcfheader	<i>Generate an HTML report from a parsed VCF header</i>
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Description

Writes an HTML summary report for a parsed vcf_hdr object.

Usage

```
vcfheader(
  x,
  file = NULL,
  spec_index = NULL,
  manual_defs = NULL,
  spec_sections = NULL,
  input_path = NULL,
  brand_svg = NULL
)
```

Arguments

x	A vcf_hdr object, typically created by parse_vcf_header().
file	Output HTML file path. If NULL, a default path is derived from the input VCF path.
spec_index	Optional specification index object or path to an .rds file.
manual_defs	Optional manual definition list.

spec_sections Optional specification section list.
input_path Optional input file path used when deriving the output path.
brand_svg Optional path to an SVG logo or inline SVG markup.

Value

Invisibly returns the output file path.

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