Package 'apmsTools'

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Title Tools for analysis of Affinity Purification Mass Spectrometry data
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Description Several functions for handling/analyzing Spectral Count data from Affinity Purification Mass Spectrometry experiments
Imports seqinr
License GPL-3
R topics documented:
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apmsTools-package Tools for analysis of Affinity Purification Mass Spectrometry data

Description

Type Package

Several functions for handling/analyzing Spectral Count data from Affinity Purification Mass Spectrometry experiments

2 setProteinLength

Details

Package: apmsTools
Type: Package
Version: 0.1
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Author(s)

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References

Not yet available

See Also

Not yet available

setProteinLength Update protein lengths

Description

Updates protein lengths (extracted from .fasta) in apmsExp object,

Usage

```
setProteinLength(apmsExp, fastaFile)
```

Arguments

apmsExp An object of class apmsExp. fastaFile Full path to .fasta file

Details

Not yet available

Value

An updated apmsExp object

specCountDf data.frame, df

df[,1:3]: "protein description", "gene name", "protein length"

df[,4:n] bait-prey spec counts

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Note

Not yet available

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References

Not yet available

See Also

Not yet available

writeCRAPomeFile

Write CRAPome input file

Description

Write CRAPome input file

Example:

PROTID GENEID PROTLEN C1_SPC C2_SPC HDAC5_1_SPC HDAC5_2_SPC

PROTID GENEID PROTLEN C C HDAC5 HDAC5

Q9Y6M1 IGF2BP2 599 9 2 2 0

Q9Y697 NFS1 457 0 0 14 8

Q9Y618 NCOR2 2525 0 0 19 16

Usage

```
writeCRAPomeFile(apmsExp, file, verbose = F)
```

Arguments

apmsExp An object of class apmsExp.

file Full path to output file.

verbose verbose

Details

Not yet available

Note

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References

Not yet available

See Also

Not yet available

writeSaintBaitFile

Write bait SAINT input file

Description

Write bait SAINT input file

Example:

PPP2R1A PPP2R1A T

PPP2CB PPP2CB T

PPME1 PPME1 T

TP53 TP53 T

GFP1 GFP1 C

GFP2 GFP2 C

GFP3 GFP3 C

GFP4 GFP4 C

Usage

```
writeSaintBaitFile(apmsExp, file, verbose = F)
```

Arguments

apmsExp An object of class apmsExp.

file Full path to output file.

verbose verbose

Details

Not yet available

Note

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References

Not yet available

See Also

Not yet available

writeSaintInteractionFile

Write interaction SAINT input file.

Description

Write interaction SAINT input file.

Example:

PPP2R1A PPP2R1A splP30153l2AAA_HUMAN 64 PPP2R1A PPP2R1A splQ9BUJ2lHNRL1_HUMAN 62

PPP2R1A PPP2R1A splP08107lHSP71_HUMAN 29

Usage

```
writeSaintInteractionFile(apmsExp, file, verbose = F)
```

Arguments

apmsExp An object of class apmsExp. file Full path to output file.

verbose verbose

Details

Not yet available

Note

Not yet available

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References

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See Also

Not yet available

writeSaintPreyFile

Write prey SAINT input file

Description

```
Write prey SAINT input file
```

Example:

sp|P30153|2AAA_HUMAN 650 PPP2R1A sp|Q9BUJ2|HNRL1_HUMAN 960 HNRNPUL1

splP08107lHSP71_HUMAN 700 HSPA1A

Usage

```
writeSaintPreyFile(apmsExp, file, verbose = F)
```

Arguments

apmsExp An object of class apmsExp.

file Full path to output file.

verbose verbose

Details

Not yet available

Note

Not yet available

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References

Not yet available

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