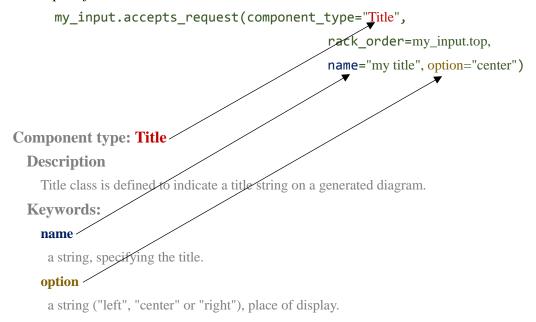
Component subclasses of CyGnusPlotter

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This file describes major Component subclasses.

Component type means a component type of diagrams, used to the first argument of CyGInput.accepts_request method. Keywords mean appropriate keywords for passing to CyGInput.accepts_request method.

An example of Title class:



Component type: Title

Description

Title class is defined to indicate a title string on a generated diagram.

Keywords:

```
name
```

a string, specifying the title.

option

a string ("left", "center" or "right"), place of display.

Component type: ScaleBar

Description

ScaleBar class is defined to indicate a quantifiable scale bar.

Keywords:

name

a string, unit for the scale bar.

end

a numeric value, length of the scale bar.

option

a string ("left", "center" or "right"), place of display.

Component type: Shaft

Description

Shaft class is defined to indicate a horizontal line traversing the sequence.

Component type: Site

Description

Site class is defined to indicate a distribution of a pattern on a diagram. Site instances recognize the pattern in the sequence. To determine the positions, a regular expression in Python should be used, case-insensitive.

Keywords:

name

a string, name of a pattern.

pattern

a string, pattern for matching.

position_on_pattern

an integer, specified position on the pattern.

Component type: Box

Description

Box class is defined to indicate boxes on each rack of a diagram. Box instances keep start and end position.

Keywords:

name

a string, displayed box name.

start, end

a numeric value, start or end position of the box.

Component type: Arrow

Description

Arrow class is similar to Box class. However, Arrow instances indicate left or right depending on input. If positions inputted larger to smaller, it indicates rightward, and if inputted smaller to larger it indicates leftward.

Keywords:

name

a string, displayed arrow name.

start, end

a numeric value, start or end position of the arrow.

Component type: InfMet

Description

InfMet class is defined to indicate a distribution of probes of Infinium Methylation Assay. These class instances get probe position from a local data the developer prepared in advance.

Keywords:

name

a list of probe IDs, or "all", which is specified for displaying all probes in the sequence.

option

an string ("27K", "450K", or "EPIC"), specifying product version.

Component type: SNP

Description

SNP class is defined to indicate specified SNPs including other kinds of variants on a diagram. These class instances get positions from the Ensembl database.

Keyword:

name

a list of strings, specifying SNP IDs.

Component type: Probe

Description

Probe class is defined to indicate a specified range as a horizontal line on the lower part of the specified rack.

Keywords:

name

a string, name of the range.

start, end

a numeric value, start or end position of the box

Component type: MatchingProbe

Description

MatchingProbe class is defined to indicate completely matched ranges as a horizontal line on the lower part of the specified rack. To determine the positions, a regular expression in Python should be used, case-insensitive.

Keywords:

name

a string, name of the range.

pattern

a string, pattern for matching.