

For connection type expression, the default is FALSE, while for any TF Activity related connection type, we recommend setting this to TRUE.

maxFDRToStore	Numeric[0,1]. Default 0.3. Maximum TF-peak FDR value to permanently store a particular TF-peak connection in the object? This parameter has a large influence on the overall memory size of the object, and we recommend not storing connections with a high FDR due to their sheer number.
addForBackground	TRUE or FALSE. Default TRUE. Add connections also for background data. Leave at TRUE unless you know what you are doing.
useGCCorrection	TRUE or FALSE. Default FALSE. EXPERIMENTAL. Should a GC-matched background be used when calculating FDRs? For more details, see the Package Details vignette.
percBackground_size	Numeric[0,100]. Default 75. EXPERIMENTAL. Percentage of the background to use as basis for sampling. If set to 0, an automatic iterative procedure will identify the maximum percentage so that all relevant GC bins with a rel. frequency above 5% from the foreground can be matched. For more details, see the Package Details vignette. Only relevant if useGCCorrection is set to TRUE, ignored otherwise.
percBackground_resample	TRUE or FALSE. Default TRUE. EXPERIMENTAL. Should resampling be enabled for those GC bins for which not enough background peaks are available?. For more details, see the Package Details vignette. Only relevant if useGCCorrection is set to TRUE, ignored otherwise.
forceRerun	TRUE or FALSE. Default FALSE. Force execution, even if the GRN object already contains the result. Overwrites the old results.

Value

An updated [GRN](#) object, with additional information added from this function.

See Also

[plotDiagnosticPlots_TFPeaks](#)

Examples

```
# See the Workflow vignette on the GRaNIe website for examples
GRN = loadExampleObject()
GRN = addConnections_TF_peak(GRN, plotDiagnosticPlots = FALSE, forceRerun = FALSE)
```


vertexLabel_dist	Numeric. Default 0 vertex. Distance between the label and the vertex.
forceRerun	TRUE or FALSE. Default FALSE. Force execution, even if the GRN object already contains the result. Overwrites the old results.

Value

The same [GRN](#) object, without modifications.

See Also

[build_eGRN_graph](#)

Examples

```
GRN = loadExampleObject()
GRN = visualizeGRN(GRN, maxEdgesToPlot = 700, graph = "TF-gene", colorby = "type")
```


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