HierarchicalClusteringImage Documentation

Module name:	HierarchicalClusteringImage
Description:	Creates an image of the dendrogram generated from HierarchicalClustering
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Help Forum:	genepattern.org/help

Creates an image of the dendrogram generated from HierarchicalClustering. Coloring of nodes in the dendrogram is supported. The color of a node can be set by editing the atr or gtr file. Add a column to the atr or gtr file that contains the color for each node. For example (added column shown in bold):

NODE1X	GENE78X	GENE77X	0.964702	**#9900FF**
NODE2X	GENE25X	GENE8X	0.963298	**#990000**

A user–defined color palette can be provided by specifying a color palette file. If no color palette is provided, the default color palette used is:

#4500AD
#2700D1
#6B58EF
#8888FF
#C7C1FF
#D5D5FF
#FFC0E5
#FF8989
#FF7080
#FF5A5A
#EF4040
#D60C00

Parameters:

Name	Description
cdt filename	Clustered data table, contains the original data, but reordered
gtr filename	Gene Tree file, records the order in which genes (rows) were joined (at least one of gtr filename and atr filename is required)
atr filename	Array Tree file, records the order in which samples (columns) were joined (at least one of gtr filename and atr filename is required)
input dataset	The input dataset - .res, .gct, .odf
output	The output file name -.jpeg, .png, .tiff, .bmp
output format	The output file format
column size	The size in pixels of an element along the horizontal axis
row size	The size in pixels of an element along the vertical axis
show grid	Whether to show a grid between elements
grid color	The grid color
show row descriptions	Whether to show row descriptions
show row names	Whether to show row names
color scheme	The color scheme
color palette	Color palette consisting of one r:g:b triplet or one hex value per line

use.color.gradient	Whether to use a linear color gradient or discrete colors

Output Files:

The dendrogram image file.

Platform dependencies:

Type:	Image Creators
CPU:	any
OS:	any
Language:	Java
Java JVM level:	1.5

Version notes:

Date	Version	Comment
08/13/07	2	Fixed bug in discrete color scheme. Added gradient color scheme option.
11/16/12	3	Fixed transposing of row/column sizes
05/18/18	4	Removed non-functional "highlight rows" parameter and reference to invalid .eps output