



ExpressionFileCreator Documentation

Module name: ExpressionFileCreator
Description: Creates a gct or res file from a set of cel files
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Summary: Creates a res or gct file from a set of cel files. The cel files are given in one zip file.

Usage/Example: `efc.out <- ExpressionFileCreator (input.filename='my.cel.files.zip')`

Parameters:

Name	Description
input filename	A zip file containing CEL files or zipped CEL files
output file	The base name of the output file
method	The method to use
quantile normalization	(RMA only) Whether to normalize data using quantile normalization
background correct	(RMA only) Whether to background correct using RMA background correction
scale value	(MAS5 only) Value at which all arrays will be scaled to
compute present absent calls	(MAS5 only) Whether to compute Present/Absent calls
normalization	The normalization method to apply after expression values are computed
sample index:	(mean or median scaling only) The sample index (starting at 1) to be used as a reference for normalization
class filename	tab-delimited text file containing one scan and class per line

Return Value: An R list with components:

1. gct or res file

Platform dependencies:

Task type:	Preprocess&Utility
CPU type:	any
OS:	any
Language:	R
Support files:	expr.R

Native command line: `<R> <libdir>expr.R create.expression.file -i<input.filename> -o<output.file> -m<method> -q<quantile.normalization> -b<background.correct> -s<scale.value> -c<compute.present.absent.calls> -n<normalization> -x<sample.index> -f<class.filename> -l<libdir>`