

Using MBatchUtils: Making a Zip Archive for Batch Effects Viewer

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1 Introduction

These instructions are aimed at people familiar with R and familiar with TCGA/GDC platforms and data types. They are intended to introduce the reader to producing a ZIP archive of an assessment, for use with the stand-alone Batch Effects Viewer. These instructions will only rarely, if ever, touch on the appropriateness of the assessment algorithm or interpretation of output.

2 Assessment

The MBatchUtils assessment function, `mbatchRunFromConfig`, uses a configuration file to run assessments in MBatch. This is followed by a call to `buildSingleArchive` to build a ZIP archive for use by the Batch Effects Viewer stand alone application.

3 Input

The configuration file used for this example is:

```
require(MBatch)
```

Loading required package: MBatch

Loading Conda Environment. MBatch Version: BEA_VERSION_TIMESTAMP

All sorting in this package requires using a `Sys.setlocale("LC_COLLATE","C")`. MBatch Version: BEA_VERSION_TIMESTAMP

Packages uses Python environment. Set with `setGlobalMBatchEnv`. Curenly uses /BEA/gendev

```
require(MBatchUtils)
```

Loading required package: MBatchUtils

Loading required package: NGCHM

Loading Conda Environment. MBatchUtils BEA_VERSION_TIMESTAMP

All sorting in this package requires using a `Sys.setlocale("LC_COLLATE","C")`. MBatchUtils BEA_VERSION_TIMESTAMP

Packages uses Python environment. Set with `setGlobalMBatchEnv`. Curenly uses /BEA/gendev

Attaching package: 'MBatchUtils'

The following objects are masked from 'package:MBatch':

```
compareTwoMatrices, getTestInputDir, getTestOutputDir
```

```
# set the paths
inputDir <- getTestInputDir()
theConfigFile=cleanFilePath(cleanFilePath(inputDir, "vignettes"), "MBatchConfig.tsv")
cat(readLines(theConfigFile), sep = '\n')
```

```
sampleidBatchType Sample
batchTypesForMBatchArray BatchId,TSS,ShipDate
mutBatchFlag FALSE
mutationsMutbatchFlag FALSE
mutBatchMem 4000m
mutBatchThreads 5
mutBatchPvalueCutoff .00001
mutBatchZscoreCutoff 1.96
filterMaxValue 50000
filterLogTransformFlag TRUE
filterLogTransformFlag2 FALSE
filteringBatchType null
filteringBatchesArray null
CDP_Flag TRUE
selectedBatchToCorrect BatchId
selectedCorrection EB_withPara
selectedCorrectionMinBatchSize 1
selectedDSCPermutations 2000
selectedDSCThreads 5
selectedDSCMinBatchSize 5
selectedDSCSeed 314
selectedDSCMaxGeneCount 10000
selectedBoxplotMaxGeneCount 5000
selectedNgchmFlag TRUE
RBN_Only FALSE
RBN_UseFirstAsInvariantFlag FALSE
RBN_InvariantId null
RBN_VariantId null
RBN_Matched null
RBN_InvariantRepsArray null
RBN_VariantRepsArray null
EBNPlus_GroupId1 null
EBNPlus_GroupId2 null
EBNPlus_Seed null
EBNPlus_MinSamples null
Title
DataVersion DATA_2022_09_21_0002
TestVersion TEST_2022_10_13_0002
```

##sampleidBatchType Sample This gives the column of the batch file that contains the sample ids.

##batchTypesForMBatchArray TSS,ShipDate Comma separated list of batch types, column names from batch file, to use for doing analysis.

##mutBatchFlag FALSE TRUE or FALSE flag telling whether or not do do “mutBatch” processing on a single dataset in Standardized Data format. No longer used or read – mutBatch processed as part of regular analysis.

##mutationsMutbatchFlag FALSE TRUE or FALSE flag telling whether or not do do mutations “mutBatch” processing on multiple MAF files.

##mutBatchThreads 5 Number of threads to use for mutBatch processing.

##mutBatchPvalueCutoff .00001 P-value cutoff for mutBatch processing to find “significant” differences.

##mutBatchZscoreCutoff 1.96 Z-Score cutoff for mutBatch processing to find “significant” differences.

##filterMaxValue 0 Filtering settings for maximum number of rows times columns to use – 0 indicates “use all”.

##filterLogTransformFlag TRUE TRUE or FALSE flag indicating whether to perform log transform on data file one.

##filterLogTransformFlag2 FALSE TRUE or FALSE flag indicating whether to perform log transform on data file two.

##filteringBatchType null Batch type (column name from batch file) to use to filter out specific batches.

##filteringBatchesArray null Comma delimited list of batches to remove from processing.

##CDP_Flag TRUE TRUE or FALSE flag indicating whether to generate the correlation density plot, usually used with EBN+.

##selectedBatchToCorrect BatchId When doing corrections, batch type on which to do corrections.

##selectedCorrection EB_withPara Correction algorithm to use and actual name of algorithm: EB_withPara Empirical Bayes with Parametric Priors EB_withNonpara Empirical Bayes with Non-Parametric Priors MP_overall Median Polish - Overall MP_batch Median Polish - By Batch ANOVA_adj ANOVA Adjusted ANOVA_unadj ANOVA Unadjusted RBN_Replicates RBN using Replicates RBN_Pseudoreps RBN using Pseudoreplicates (list of paired samples) EBN_Plus EBN Plus

##selectedCorrectionMinBatchSize 1 When doing corrections, the minimum batch size to consider valid.

##selectedDSCPermutations 2000 Number of permutations to perform to generate DSC values and p-values during PCA+

##selectedDSCThreads 5 Number of threads to use to generate DSC values and p-values during PCA+

##selectedDSCMinBatchSize 5 When generating DSC values and p-values during PCA+, the minimum batch size to consider valid.

##selectedDSCSeed 314 When generating DSC values and p-values during PCA+, the random number seed to use.

##selectedDSCMaxGeneCount 10000 When generating DSC values and p-values during PCA+, the maximum number of features to use. (0 means use all.)

##selectedBoxplotMaxGeneCount 5000 For boxplot calculations, the maximum number of features to use.

##selectedNgchmFlag TRUE TRUE or FALSE flag indicating whether to generate an NGCHM based on the hierarchical clustering settings.

##RBN_Only FALSE TRUE or FALSE flag indicating whether to only run RBN correction.

##RBN_UseFirstAsInvariantFlag FALSE TRUE or FALSE flag indicating whether to use the first dataset as invariant.

##RBN_InvariantId null Group name used for labelling invariant features when combining matrixes. (Use null if RBN not being run.)

##RBN_VariantId null Group name used for labelling variant features when combining matrixes. (Use null if RBN not being run.)

##RBN_Matched null TRUE or FALSE flag, if TRUE, indicates that NAs should be added for missing replicates. (Use null if RBN not being run.)

##RBN_InvariantRepsArray null Comma delimited list of sample ids to use for identifying pseudo-replicates. Should match in order pairs in variant array. (Use null if RBN not being run.)

##RBN_VariantRepsArray null Comma delimited list of sample ids to use for identifying pseudo-replicates. Should match in order pairs in invariant array. (Use null if RBN not being run.)

##EBNPlus_GroupId1 null The group name for data set 1 (for example, RNASeqV2). (Use null if EBN+ not being run.)

##EBNPlus_GroupId2 null The group name for data set 2 (for example, Agilent4502). (Use null if EBN+ not being run.)

##EBNPlus_Seed null NULL or a seed to use. This is passed to the standard R set.seed function. (Use null if EBN+ not being run.)

##EBNPlus_MinSamples null Defaults to 3. Any row (gene) with less than this number of samples is dropped. (Use null if EBN+ not being run.)

##title MBatchUtils Test Run String to use as title in diagrams.

4 Output

Create a ZIP file usable with the stand-alone Batch Effects Viewer, to use dynamic diagrams.

5 Example Call

```
{
  require(MBatch)
  require(MBatchUtils)

  # set the paths
  baseTestDir=getTestInputDir()
  baseOutputDir=getTestOutputDir()
  theOrigConfigFile=cleanFilePath(cleanFilePath(baseTestDir, "vignettes"), "MBatchConfig.tsv")
  theOrigGeneFile=cleanFilePath(cleanFilePath(baseTestDir, "vignettes"), "matrix_data.tsv")
  theOrigBatchFile=cleanFilePath(cleanFilePath(baseTestDir, "vignettes"), "batches.tsv")
  theOutputDir=cleanFilePath(baseOutputDir, "ZIP_Archive")
  theOutputDirMBatch=cleanFilePath(theOutputDir, "ZIP-RESULTS")
  theOutputDirData=cleanFilePath(theOutputDir, "ZIP-DATA")
  jarDir=cleanFilePath(baseTestDir, "exe")
  javaExe=getJava()
  jarFile=cleanFilePath(jarDir, "ShaidyMapGen.jar")
  jsFile=cleanFilePath(jarDir, "ngchmWidget-min.js")
  theDestConfigFile=cleanFilePath(theOutputDirMBatch, "MBatchConfig.tsv")
  theDestGeneFile=cleanFilePath(theOutputDirData, "matrix_data.tsv")
  theDestBatchFile=cleanFilePath(theOutputDirData, "batches.tsv")
  #####
  # make sure the output dir exists and is empty
  unlink(theOutputDir, recursive=TRUE)
  dir.create(theOutputDir, showWarnings=FALSE, recursive=TRUE)
  dir.create(theOutputDirMBatch, showWarnings=FALSE, recursive=TRUE)
  dir.create(theOutputDirData, showWarnings=FALSE, recursive=TRUE)
  # copy files to ZIP-RESULTS and ZIP-DATA
  file.copy(theOrigConfigFile, theDestConfigFile)
  file.copy(theOrigGeneFile, theDestGeneFile)
```

```

file.copy(theOrigBatchFile, theDestBatchFile)
# config
mbatchRunFromConfig(
  theConfigFile = theDestConfigFile,
  theMatrixFile = theOrigGeneFile,
  theBatchesFile = theOrigBatchFile,
  theZipDataDir = theOutputDirData,
  theZipResultsDir = theOutputDirMbatch,
  theNaStrings = c("null", "NA"),
  theShaidyMapGen = jarFile,
  theNgchmWidgetJs = jsFile,
  theShaidyMapGenJava = javaExe,
  theNGCHMShaidyMem = "8G",
  theRunPostFlag = TRUE
)
theResultDir <- theOutputDirMbatch
theDataDir <- theOutputDirData
theZipDir <- theOutputDir
message("Write Single Archive")
message(theResultDir)
message(theDataDir)
message(theZipDir)
message("Call Single Archive")
buildSingleArchive(theResultDir, theDataDir, theZipDir)
}

```

```

## MBatchUtils BEA_VERSION_TIMESTAMP
## Changing LC_COLLATE to C for duration of run
## theMatrixFile=/builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/vignettes/matrixFile
## theBatchFile=/builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/vignettes/batchesFile
## theNewDir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA
## theDataVersion=DATA_2022_09_21_0002
## theMatrixFile2=
## theBatchFile2=
## dir.create /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current
## dir.create /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/versions
## unlink /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/origins
## unlink /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/pipeline
## dir.create /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/origins
## dir.create /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/pipeline
## dir.create /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/versions/DATA_2022_09_21_0002
## file.copy /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/vignettes/matrixFile
## file.copy /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/vignettes/batchesFile
## pipeline versions pipelineMatrixFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/versions/DATA_2022_09_21_0002
## pipeline versions pipelineBatchesFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/versions/DATA_2022_09_21_0002

```

```

## Populate needed files with default values
## populateNeededFiles - with default values
## Set default test_stamp.txt to DATA_2023_10_06_1433
## Set default job_id.txt to JOB_
## Set default original_data.json to {
## "source": "USER",
## "program": "USER",
## "project": "USER",
## "category": "USER",
## "platform": "USER",
## "data": "USER",
## "details": "USER",
## "version": "2023_10_06_1433"
## }
## Set default source_id.txt to SRC_2023_10_06_1433
## Set default test_stamp.txt to TEST_2023_10_06_1433
## Set default version_type.txt to Original-Analyzed
## Title entry empty - check for original.json file
## no json /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/original_d
## write versionedTitleFile /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-R
## title
## sampleidBatchType Sample
## batchTypesForMBatch BatchIdTSSShipDate
## filterMaxValue 50000
## filterLogTransformFlag TRUE
## filterLogTransformFlag2 FALSE
## filteringBatchType null
## filteringBatches
## CDP_Flag TRUE
## selectedBatchToCorrect BatchId
## selectedCorrection EB_withPara
## selectedCorrectionMinBatchSize 1
## selectedDSCPermutations 2000
## selectedDSCThreads 5
## selectedDSCMinBatchSize 5
## selectedDSCSeed 314
## selectedDSCMaxGeneCount 10000
## selectedBoxplotMaxGeneCount 5000
## selectedNgchmFlag TRUE

```

```

## RBN_UseFirstAsInvariant FALSE
## RBN_InvariantId
## RBN_VariantId
## RBN_Matched
## RBN_InvariantReps
## RBN_VariantReps
## EBNPlus_GroupId1
## EBNPlus_GroupId2
## EBNPlus_Seed
## EBNPlus_MinSamples
## mutBatchMem 4000m
## mutBatchThreads 5
## mutBatchPvalueCutoff 1e-05
## mutBatchZscoreCutoff 1.96
## analysisOutputDir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/
## update data to use sample
## preprocess data
## [1] "read /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/origi
## [1] "read /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/origi
## [1] "length(matrixSamples)=73"
## [1] "length(batchesSamples)=73"
## [1] "length(missingSamples)=0"
## 2023 10 06 14:33:51.105 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:33:51.106 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:33:51.107 INFO qcprludev10 Starting mbatchLoadStructures
## 2023 10 06 14:33:51.108 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:33:51.109 INFO qcprludev10 sort batches by gene file samples
## 2023 10 06 14:33:51.110 INFO qcprludev10 filter samples in batches using gene samples
## 2023 10 06 14:33:51.111 INFO qcprludev10 sort covariates by gene file samples
## 2023 10 06 14:33:51.129 INFO qcprludev10 Finishing mbatchLoadStructures
## 2023 10 06 14:33:51.130 INFO qcprludev10 ~~~~~~
## [1] "****Log transform data****"
## [1] "****qt****"
##      10%
## 0.01142052
## 2023 10 06 14:33:51.434 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:33:51.435 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:33:51.436 INFO qcprludev10 mbatchTrimData Starting
## 2023 10 06 14:33:51.437 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:33:51.438 INFO qcprludev10 mbatchTrimData theMaxSize= 0
## 2023 10 06 14:33:51.439 INFO qcprludev10 mbatchTrimData ncol(theMatrix)= 73
## 2023 10 06 14:33:51.440 INFO qcprludev10 mbatchTrimData nrow(theMatrix)= 25014
## 2023 10 06 14:33:51.441 INFO qcprludev10 mbatchTrimData Finishing
## 2023 10 06 14:33:51.441 INFO qcprludev10 ~~~~~~
## [1] "****theOutputMatrixFile****"

```

```

## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/pipeline.
## [1] "dim 25014,dim 73"
## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/pipeline.
## [1] "dim 73,dim 10"

## load data as needed

## Read regular data

## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/pipeline/matr
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/pipeline/batch

## 2023 10 06 14:33:53.190 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:33:53.191 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:33:53.192 INFO qcprludev10 Starting mbatchLoadFiles
## 2023 10 06 14:33:53.193 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:33:53.194 INFO qcprludev10 read batch file= /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:33:53.199 INFO qcprludev10 read gene file= /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:33:54.131 INFO qcprludev10 filter samples in batches using gene samples
## 2023 10 06 14:33:54.133 INFO qcprludev10 sort batches by gene file samples
## 2023 10 06 14:33:54.146 INFO qcprludev10 Finishing mbatchLoadFiles
## 2023 10 06 14:33:54.147 INFO qcprludev10 ~~~~~
## 2023 10 06 14:33:54.149 INFO qcprludev10 EB_internal - starting
## 2023 10 06 14:33:54.326 DEBUG qcprludev10 starting BeaEB
## 2023 10 06 14:33:54.328 DEBUG qcprludev10 EB start
## 2023 10 06 14:33:54.329 DEBUG qcprludev10 EB theNumberOfThreads= 5
## 2023 10 06 14:33:54.330 DEBUG qcprludev10 convertDataFrameToSi start
## 2023 10 06 14:33:54.331 DEBUG qcprludev10 convertDataFrameToSi asmatrixWithIssues
## 2023 10 06 14:33:54.333 DEBUG qcprludev10 convertDataFrameToSi rownames
## 2023 10 06 14:33:54.334 DEBUG qcprludev10 convertDataFrameToSi colnames
## 2023 10 06 14:33:54.335 DEBUG qcprludev10 convertDataFrameToSi done
## 2023 10 06 14:33:54.367 DEBUG qcprludev10 EB check number of batches
## 2023 10 06 14:33:54.368 DEBUG qcprludev10 EB Check for missing values
## 2023 10 06 14:33:54.372 DEBUG qcprludev10 Check for genes with whole batch missing or no variation
## 2023 10 06 14:33:57.319 DEBUG qcprludev10 Standardizing Data across genes
## 2023 10 06 14:33:58.494 DEBUG qcprludev10 Standarization Model
## 2023 10 06 14:33:58.851 DEBUG qcprludev10 stand.mean
## 2023 10 06 14:33:58.902 DEBUG qcprludev10 Fitting L/S model and finding priors
## 2023 10 06 14:33:58.904 DEBUG qcprludev10 with NAs
## 2023 10 06 14:34:01.386 DEBUG qcprludev10 Find priors
## 2023 10 06 14:34:01.407 DEBUG qcprludev10 Plot empirical and parametric priors
## 2023 10 06 14:34:01.408 DEBUG qcprludev10 Print prior plots at /BEA/BatchEffectsPackage_data/testing
## 2023 10 06 14:34:02.274 DEBUG qcprludev10 finished prior plots
## 2023 10 06 14:34:02.366 DEBUG qcprludev10 Find EB batch adjustments
## 2023 10 06 14:34:02.367 DEBUG qcprludev10 Finding parametric adjustments
## 2023 10 06 14:34:02.368 DEBUG qcprludev10 Parametric batch num 1 of 4
## 2023 10 06 14:34:02.965 DEBUG qcprludev10 Finding parametric adjustments
## 2023 10 06 14:34:02.966 DEBUG qcprludev10 Parametric batch num 2 of 4
## 2023 10 06 14:34:03.471 DEBUG qcprludev10 Finding parametric adjustments
## 2023 10 06 14:34:03.472 DEBUG qcprludev10 Parametric batch num 3 of 4
## 2023 10 06 14:34:04.067 DEBUG qcprludev10 Finding parametric adjustments
## 2023 10 06 14:34:04.068 DEBUG qcprludev10 Parametric batch num 4 of 4
## 2023 10 06 14:34:04.451 DEBUG qcprludev10 Adjusting the Data
## 2023 10 06 14:34:04.527 DEBUG qcprludev10 add back the removed genes with missing data in whole batch
## 2023 10 06 14:34:04.537 DEBUG qcprludev10 EB done

```



```

## 2023 10 06 14:34:04.539 DEBUG qcprludev10 finishing BeaEB
## 2023 10 06 14:34:04.540 TIMING qcprludev10      16.153      10.214      EBwithParametricPriors      /B
## 2023 10 06 14:34:04.541 DEBUG qcprludev10 Write to file  /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:34:06.281 DEBUG qcprludev10 Finished write to file  /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:06.283 INFO qcprludev10 EB_internal - completed
## 2023 10 06 14:34:07.219 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:07.221 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:34:07.222 INFO qcprludev10 Starting mbatchLoadStructures
## 2023 10 06 14:34:07.222 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:34:07.223 INFO qcprludev10 sort batches by gene file samples
## 2023 10 06 14:34:07.224 INFO qcprludev10 filter samples in batches using gene samples
## 2023 10 06 14:34:07.226 INFO qcprludev10 sort covariates by gene file samples
## 2023 10 06 14:34:07.236 INFO qcprludev10 Finishing mbatchLoadStructures
## 2023 10 06 14:34:07.237 INFO qcprludev10 ~~~~~
## 2023 10 06 14:34:07.238 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:07.239 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:34:07.240 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:34:07.241 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:34:07.242 DEBUG qcprludev10 rows pre filter  25014
## 2023 10 06 14:34:10.803 DEBUG qcprludev10 rows post filter  22488
## 2023 10 06 14:34:10.804 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had  25014  while pos
## 2023 10 06 14:34:10.806 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had  73  while post
## 2023 10 06 14:34:10.807 DEBUG qcprludev10 mbatchFilterData Before removing batch types, batch data ha
## 2023 10 06 14:34:10.808 DEBUG qcprludev10 mbatchFilterData Before removing batch types, gene data ha
## 2023 10 06 14:34:10.808 DEBUG qcprludev10 mbatchFilterData removing batch types ( Patient, Type, BCR
## 2023 10 06 14:34:10.809 DEBUG qcprludev10 mbatchFilterData After removing batch types, batch data ha
## 2023 10 06 14:34:10.815 DEBUG qcprludev10 mbatchFilterData After removing batch types, gene data has
## 2023 10 06 14:34:10.816 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:34:10.817 INFO qcprludev10 ~~~~~
## 2023 10 06 14:34:10.819 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:10.819 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:34:10.820 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:34:10.821 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:34:10.822 DEBUG qcprludev10 rows pre filter  25014
## 2023 10 06 14:34:14.248 DEBUG qcprludev10 rows post filter  22488
## 2023 10 06 14:34:14.250 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had  25014  while pos
## 2023 10 06 14:34:14.251 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had  73  while post
## 2023 10 06 14:34:14.252 DEBUG qcprludev10 mbatchFilterData Before removing batch types, batch data ha
## 2023 10 06 14:34:14.254 DEBUG qcprludev10 mbatchFilterData Before removing batch types, gene data ha
## 2023 10 06 14:34:14.255 DEBUG qcprludev10 mbatchFilterData removing batch types ( Patient, Type, BCR
## 2023 10 06 14:34:14.256 DEBUG qcprludev10 mbatchFilterData After removing batch types, batch data ha
## 2023 10 06 14:34:14.276 DEBUG qcprludev10 mbatchFilterData After removing batch types, gene data has
## 2023 10 06 14:34:14.278 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:34:14.279 INFO qcprludev10 ~~~~~

## mutBatchSingle

## origTitle=

## theOutputDir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analy
## updated theOutputDir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESUL

## [1] 22488      73
## [1] 73      4
## [1] 22488      73

```

```

## [1] 73 4
## BatchId
## length(dataVector)=
## [1] 73
## BatchId results are
##
## Kruskal-Wallis rank sum test
##
## data: dataVector and batchFactors
## Kruskal-Wallis chi-squared = 0.36094, df = 3, p-value = 0.9482
## TSS
## length(dataVector)=
## [1] 73
## TSS results are
##
## Kruskal-Wallis rank sum test
##
## data: dataVector and batchFactors
## Kruskal-Wallis chi-squared = 0.037066, df = 1, p-value = 0.8473
## ShipDate
## length(dataVector)=
## [1] 73
## ShipDate results are
##
## Kruskal-Wallis rank sum test
##
## data: dataVector and batchFactors
## Kruskal-Wallis chi-squared = 14.5, df = 4, p-value = 0.005858
## pValueVector=0.948187361028335 0.847331472279858 0.00585818533532839
## $BatchId
## [1] 0.9481874
##
## $TSS
## [1] 0.8473315
##
## $ShipDate
## [1] 0.005858185
## Do Kruskal output for: BatchId
## theFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/D
## theValues=0.0231058379563517
## theBatches=NA
## theMain=BatchId
## batchAddOn=

```

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## thePvalueCutoff=1e-05
## makeKruskalTsv theTitle= / BatchId / Kruskal-Wallis Dunns-Test
## makeKruskalTsv thePngFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-I
## 2023 10 06 14:34:14.544 DEBUG qcprludev10 writeTitleFile - pre title    / BatchId / Kruskal-Wallis Dun
## 2023 10 06 14:34:14.546 DEBUG qcprludev10 writeTitleFile - theTitle    / BatchId / Kruskal-Wallis Dun
## 2023 10 06 14:34:14.547 DEBUG qcprludev10 writeTitleFile - titleFile    /BEA/BatchEffectsPackage_data/
## Do Kruskal output for: TSS
## theFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/D
## theValues=0.071946662372022
## theBatches=NA
## theMain=TSS
## batchAddOn=
## thePvalueCutoff=1e-05
## makeKruskalTsv theTitle= / TSS / Kruskal-Wallis Dunns-Test
## makeKruskalTsv thePngFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-I
## 2023 10 06 14:34:14.556 DEBUG qcprludev10 writeTitleFile - pre title    / TSS / Kruskal-Wallis Dunns-
## 2023 10 06 14:34:14.557 DEBUG qcprludev10 writeTitleFile - theTitle    / TSS / Kruskal-Wallis Dunns-T
## 2023 10 06 14:34:14.558 DEBUG qcprludev10 writeTitleFile - titleFile    /BEA/BatchEffectsPackage_data/
## Do Kruskal output for: ShipDate
## theFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/D
## theValues=2.23223689266856
## theBatches=NA
## theMain=ShipDate
## batchAddOn=
## thePvalueCutoff=1e-05
## makeKruskalTsv theTitle= / ShipDate / Kruskal-Wallis Dunns-Test
## makeKruskalTsv thePngFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-I
## 2023 10 06 14:34:14.567 DEBUG qcprludev10 writeTitleFile - pre title    / ShipDate / Kruskal-Wallis D
## 2023 10 06 14:34:14.568 DEBUG qcprludev10 writeTitleFile - theTitle    / ShipDate / Kruskal-Wallis D
## 2023 10 06 14:34:14.569 DEBUG qcprludev10 writeTitleFile - titleFile    /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:34:14.571 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:14.572 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:34:14.573 INFO qcprludev10 mbatchTrimData Starting
## 2023 10 06 14:34:14.574 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:34:16.187 INFO qcprludev10 mbatchTrimData theMaxSize= 50000
## 2023 10 06 14:34:16.189 INFO qcprludev10 mbatchTrimData ncol(theMatrix)= 73
## 2023 10 06 14:34:16.190 INFO qcprludev10 mbatchTrimData nrow(theMatrix)= 684
## 2023 10 06 14:34:16.190 INFO qcprludev10 mbatchTrimData Finishing
## 2023 10 06 14:34:16.191 INFO qcprludev10 ~~~~~
## 2023 10 06 14:34:16.193 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:16.194 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:34:16.195 INFO qcprludev10 mbatchFilterData Starting

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## 2023 10 06 14:34:16.196 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:34:16.197 DEBUG qcprludev10 rows pre filter 684
## 2023 10 06 14:34:16.295 DEBUG qcprludev10 rows post filter 684
## 2023 10 06 14:34:16.296 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had 684 while post
## 2023 10 06 14:34:16.298 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had 73 while post
## 2023 10 06 14:34:16.299 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:34:16.300 INFO qcprludev10 ~~~~~
## 2023 10 06 14:34:16.301 DEBUG qcprludev10 createBatchEffectsOutput_umap
## 2023 10 06 14:34:16.302 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:16.303 DEBUG qcprludev10 doPrcompCall - start
## 2023 10 06 14:34:16.327 INFO qcprludev10 createBatchEffectsOutput_umap neighbors= 15
## 2023 10 06 14:34:17.239 INFO qcprludev10 createBatchEffectsOutput_umap batchTypeName= BatchId
## 2023 10 06 14:34:17.241 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:17.242 INFO qcprludev10 createBatchEffectsOutput_umap umapBatchDir= /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:17.244 DEBUG qcprludev10 UMAP diagrams
## 2023 10 06 14:34:17.245 DEBUG qcprludev10 writeTitleFile - pre title / UMAP BatchId
## 2023 10 06 14:34:17.246 DEBUG qcprludev10 writeTitleFile - theTitle / UMAP BatchId
## 2023 10 06 14:34:17.247 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:17.248 DEBUG qcprludev10 umapDiagram - start

## 2023 10 06 14:34:17.298 DEBUG qcprludev10 umapLegend /BEA/BatchEffectsPackage_data/testing_dynamic/MBatch
## 2023 10 06 14:34:17.300 DEBUG qcprludev10 mbatchStandardLegend - theTitle UMAP (PCA) BatchId
## 2023 10 06 14:34:17.301 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:17.302 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:17.303 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73.0 (37)
## 2023 10 06 14:34:17.304 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:34:17.305 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300, #00B3B3, #B30000
## 2023 10 06 14:34:17.306 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:34:17.307 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:17.308 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:17.309 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#59b300,#00b3b3,#b30000
## 2023 10 06 14:34:17.310 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = UMAP (PCA) BatchId
## 2023 10 06 14:34:17.311 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:17.312 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:17.313 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:17.314 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:17.315 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:18.359 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:18.361 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:18.362 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:18.363 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandardLegend
## 2023 10 06 14:34:18.364 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:18.365 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mbatchStandardLegend
## 2023 10 06 14:34:18.366 DEBUG qcprludev10 mbatchStandardLegend - myTitle = UMAP (PCA) BatchId MBatch
## 2023 10 06 14:34:18.367 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:18.536 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:18.539 INFO qcprludev10 createBatchEffectsOutput_umap batchTypeName= TSS
## 2023 10 06 14:34:18.541 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:18.542 INFO qcprludev10 createBatchEffectsOutput_umap umapBatchDir= /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:18.543 DEBUG qcprludev10 UMAP diagrams
## 2023 10 06 14:34:18.544 DEBUG qcprludev10 writeTitleFile - pre title / UMAP TSS
## 2023 10 06 14:34:18.545 DEBUG qcprludev10 writeTitleFile - theTitle / UMAP TSS
## 2023 10 06 14:34:18.546 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/testing_dynamic/
## 2023 10 06 14:34:18.547 DEBUG qcprludev10 umapDiagram - start

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## 2023 10 06 14:34:18.594 DEBUG qcprludev10 umapLegend /BEA/BatchEffectsPackage_data/testing_dynamic/M
## 2023 10 06 14:34:18.596 DEBUG qcprludev10 mbatchStandardLegend - theTitle UMAP (PCA) TSS
## 2023 10 06 14:34:18.600 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:18.601 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:18.601 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:34:18.602 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:34:18.603 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:34:18.604 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:34:18.606 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:18.607 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:18.608 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b3b3
## 2023 10 06 14:34:18.608 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = UMAP (PCA) TSS
## 2023 10 06 14:34:18.609 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:18.612 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batchl
## 2023 10 06 14:34:18.613 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:18.614 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:18.615 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:18.616 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:18.617 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:18.618 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:18.619 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:34:18.620 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:18.621 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSt
## 2023 10 06 14:34:18.622 DEBUG qcprludev10 mbatchStandardLegend - myTitle = UMAP (PCA) TSS MBatch 2
## 2023 10 06 14:34:18.623 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:18.673 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:18.676 INFO qcprludev10 createBatchEffectsOutput_umap batchTypeName= ShipDate
## 2023 10 06 14:34:18.677 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:18.678 INFO qcprludev10 createBatchEffectsOutput_umap umapBatchDir= /BEA/BatchEffect
## 2023 10 06 14:34:18.679 DEBUG qcprludev10 UMAP diagrams
## 2023 10 06 14:34:18.680 DEBUG qcprludev10 writeTitleFile - pre title / UMAP ShipDate
## 2023 10 06 14:34:18.681 DEBUG qcprludev10 writeTitleFile - theTitle / UMAP ShipDate
## 2023 10 06 14:34:18.682 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:34:18.683 DEBUG qcprludev10 umapDiagram - start

## 2023 10 06 14:34:18.730 DEBUG qcprludev10 umapLegend /BEA/BatchEffectsPackage_data/testing_dynamic/M
## 2023 10 06 14:34:18.731 DEBUG qcprludev10 mbatchStandardLegend - theTitle UMAP (PCA) ShipDate
## 2023 10 06 14:34:18.732 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:18.733 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:18.734 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:34:18.735 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 5
## 2023 10 06 14:34:18.736 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #8FB300,
## 2023 10 06 14:34:18.737 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 5
## 2023 10 06 14:34:18.737 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:18.738 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:18.739 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#8fb300,#00b347,#
## 2023 10 06 14:34:18.740 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = UMAP (PCA) ShipDa
## 2023 10 06 14:34:18.741 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:18.742 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batchl
## 2023 10 06 14:34:18.742 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:18.743 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:18.744 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:18.745 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:18.746 DEBUG qcprludev10 mbatchStandardLegend - after color list

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## 2023 10 06 14:34:18.747 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:18.748 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandard
## 2023 10 06 14:34:18.749 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:18.749 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), m
## 2023 10 06 14:34:18.750 DEBUG qcprludev10 mbatchStandardLegend - myTitle = UMAP (PCA) ShipDate MBa
## 2023 10 06 14:34:18.751 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffects
## 2023 10 06 14:34:18.843 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:18.847 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:18.848 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:34:18.849 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:34:18.849 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:34:18.850 DEBUG qcprludev10 rows pre filter 684
## 2023 10 06 14:34:18.950 DEBUG qcprludev10 rows post filter 684
## 2023 10 06 14:34:18.951 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had 684 while post
## 2023 10 06 14:34:18.952 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had 73 while post
## 2023 10 06 14:34:18.953 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:34:18.954 INFO qcprludev10 ~~~~~
## 2023 10 06 14:34:18.956 DEBUG qcprludev10 createBatchEffectsOutput_pca
## 2023 10 06 14:34:18.957 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:34:18.958 DEBUG qcprludev10 write ALL__CompListDSC.RData /BEA/BatchEffectsPackage_data
## 2023 10 06 14:34:18.960 DEBUG qcprludev10 doSamplePcaCall - pre-filter matrix size= 684,73
## 2023 10 06 14:34:18.961 DEBUG qcprludev10 filterTheGeneDataOnBatchSize theMinBatchSize= 5
## 2023 10 06 14:34:18.962 DEBUG qcprludev10 filterBasedOnGeneLimit theGeneLimit= 10000
## 2023 10 06 14:34:18.963 DEBUG qcprludev10 filterBasedOnGeneLimit theMatrixGeneData nrow= 684
## 2023 10 06 14:34:18.964 DEBUG qcprludev10 filterBasedOnGeneLimit theMatrixGeneData ncol= 72
## 2023 10 06 14:34:18.965 DEBUG qcprludev10 doSamplePcaCall - pre-filter matrix size= 684,73
## 2023 10 06 14:34:18.967 DEBUG qcprludev10 doSamplePcaCall - no-NA matrix length= 680
## 2023 10 06 14:34:19.009 DEBUG qcprludev10 doSamplePcaCall - max(theCompPairList)= 4
## 2023 10 06 14:34:19.010 DEBUG qcprludev10 doSamplePcaCall - ncol(pca@scores)= 72
## 2023 10 06 14:34:19.011 DEBUG qcprludev10 doSamplePcaCall - pca scores size= 72,72
## 2023 10 06 14:34:19.012 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:19.013 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:19.015 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:19.016 DEBUG qcprludev10 call pvalueDSC
## 2023 10 06 14:34:19.017 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:19.018 DEBUG qcprludev10 pvalueDSC component A < 1
## 2023 10 06 14:34:19.019 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:19.020 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:19.021 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:19.022 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:19.023 DEBUG qcprludev10 length(theBatchIdsForSamples)= 72
## 2023 10 06 14:34:19.024 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:19.025 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:19.045 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:19.047 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:19.048 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))
## 2023 10 06 14:34:19.049 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:19.050 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:19.233 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:19.234 DEBUG qcprludev10 72, 72
## 2023 10 06 14:34:19.235 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:19.236 DEBUG qcprludev10 72
## 2023 10 06 14:34:19.237 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:19.238 DEBUG qcprludev10 314

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## 2023 10 06 14:34:19.239 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:19.240 DEBUG qcprludev10 2000
## 2023 10 06 14:34:19.241 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:19.241 DEBUG qcprludev10 5
## 2023 10 06 14:34:19.242 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:29.021 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:29.857 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:29.858 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:29.948 DEBUG qcprludev10 p-value run time = 10.8990793228149
## 2023 10 06 14:34:29.950 DEBUG qcprludev10 p-value is 1
## 2023 10 06 14:34:29.951 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:29.952 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:30.127 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:30.129 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:30.130 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:30.131 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:30.887 DEBUG qcprludev10 Write PCA Files 1 /BEA/BatchEffectsPackage_data/testing_d
## 2023 10 06 14:34:30.888 DEBUG qcprludev10 write writePcaDataFilesForDataset
## 2023 10 06 14:34:30.890 DEBUG qcprludev10 writePCAValuesTSV
## 2023 10 06 14:34:30.891 DEBUG qcprludev10 writePCAValuesTSV title file
## 2023 10 06 14:34:30.892 DEBUG qcprludev10 writeTitleFile - pre title / PCA+ BatchId
## 2023 10 06 14:34:30.893 DEBUG qcprludev10 writeTitleFile - theTitle / PCA+ BatchId
## 2023 10 06 14:34:30.894 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:34:30.895 DEBUG qcprludev10 writePCAValuesTSV outputFile
## 2023 10 06 14:34:30.896 DEBUG qcprludev10 writePCAValuesTSV components
## 2023 10 06 14:34:30.898 DEBUG qcprludev10 writePCAValuesTSV myDataFrame
## 2023 10 06 14:34:30.899 DEBUG qcprludev10 writePCAValuesTSV - values
## 2023 10 06 14:34:30.900 DEBUG qcprludev10 writePCAValuesTSV - matrix
## 2023 10 06 14:34:30.902 DEBUG qcprludev10 writePCAValuesTSV - write
## 2023 10 06 14:34:30.904 DEBUG qcprludev10 writePCAValuesTSV finished /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:34:30.906 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:30.907 DEBUG qcprludev10 writePCAAnnotations - header and all data
## 2023 10 06 14:34:31.468 DEBUG qcprludev10 write writeSharedFveWeightScoresFiles
## 2023 10 06 14:34:31.573 DEBUG qcprludev10 createBatchEffectsOutput_pca loop
## 2023 10 06 14:34:31.575 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca s
## 2023 10 06 14:34:31.576 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:34:31.577 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:31.579 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca s
## 2023 10 06 14:34:31.580 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samp
## 2023 10 06 14:34:31.581 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:31.582 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:31.583 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:31.584 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:31.585 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:31.586 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:31.587 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:31.588 DEBUG qcprludev10 length(theBatchIdsForSamples)= 72
## 2023 10 06 14:34:31.589 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:31.590 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:31.593 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:31.595 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:31.596 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))
## 2023 10 06 14:34:31.597 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:31.598 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)

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## 2023 10 06 14:34:31.599 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:31.600 DEBUG qcprludev10 2, 72
## 2023 10 06 14:34:31.601 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:31.602 DEBUG qcprludev10 72
## 2023 10 06 14:34:31.603 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:31.604 DEBUG qcprludev10 314
## 2023 10 06 14:34:31.605 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:31.606 DEBUG qcprludev10 2000
## 2023 10 06 14:34:31.607 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:31.608 DEBUG qcprludev10 5
## 2023 10 06 14:34:31.609 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:32.326 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:33.141 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:33.142 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:33.149 DEBUG qcprludev10 p-value run time = 1.55224275588989
## 2023 10 06 14:34:33.151 DEBUG qcprludev10 p-value is 0.8145
## 2023 10 06 14:34:33.151 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:33.152 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:33.155 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:33.156 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:33.157 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:33.158 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:33.873 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:33.874 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:33.875 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC2
## 2023 10 06 14:34:33.880 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:34:33.881 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:34:33.958 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: BatchId (72)
## 2023 10 06 14:34:33.959 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:33.960 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:33.961 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73
## 2023 10 06 14:34:33.962 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 3
## 2023 10 06 14:34:33.963 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B300,
## 2023 10 06 14:34:33.964 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 3
## 2023 10 06 14:34:33.964 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2
## 2023 10 06 14:34:33.965 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 3
## 2023 10 06 14:34:33.966 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b300,#0000b3
## 2023 10 06 14:34:33.967 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: BatchId (
## 2023 10 06 14:34:33.968 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:33.969 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:33.970 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:33.971 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:33.972 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:33.973 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:33.973 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:33.974 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:33.975 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:34:33.976 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:34:33.977 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:34:33.978 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: BatchId (72) MBa
## 2023 10 06 14:34:33.979 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:34.052 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:34.053 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics

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## 2023 10 06 14:34:34.054 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:34.056 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:34.057 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:34:34.057 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:34:34.058 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:34:34.059 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:34:34.060 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:34.061 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:34.062 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:34:34.063 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:34:34.064 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:34.065 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:34.066 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:34.066 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:34.067 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:34.068 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:34.069 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:34.070 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:34.071 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:34:34.072 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:34.073 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Componen
## 2023 10 06 14:34:34.074 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:34:34.074 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:34.100 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:34.102 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 2
## 2023 10 06 14:34:34.103 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/Batch
## 2023 10 06 14:34:34.103 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchE
## 2023 10 06 14:34:34.104 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 2
## 2023 10 06 14:34:34.105 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BE
## 2023 10 06 14:34:34.106 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:34:34.107 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:34:34.130 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:34:34.133 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca s
## 2023 10 06 14:34:34.133 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:34:34.134 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:34.136 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca sc
## 2023 10 06 14:34:34.137 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for sampl
## 2023 10 06 14:34:34.138 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:34.139 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:34.140 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:34.141 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:34.142 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:34.143 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:34.143 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:34.144 DEBUG qcprludev10 length(theBatchIdsForSamples)= 72
## 2023 10 06 14:34:34.145 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:34.146 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:34.149 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:34.150 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:34.151 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))
## 2023 10 06 14:34:34.152 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:34.153 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:34.154 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:34.155 DEBUG qcprludev10 2, 72

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## 2023 10 06 14:34:34.156 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:34.156 DEBUG qcprludev10 72
## 2023 10 06 14:34:34.157 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:34.158 DEBUG qcprludev10 314
## 2023 10 06 14:34:34.159 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:34.160 DEBUG qcprludev10 2000
## 2023 10 06 14:34:34.161 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:34.161 DEBUG qcprludev10 5
## 2023 10 06 14:34:34.162 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:34.941 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:35.874 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:35.876 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:35.883 DEBUG qcprludev10 p-value run time = 1.73101401329041
## 2023 10 06 14:34:35.885 DEBUG qcprludev10 p-value is 0.798
## 2023 10 06 14:34:35.886 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:35.887 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:35.889 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:35.890 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:35.892 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:35.892 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:36.631 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:36.632 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:36.633 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC3
## 2023 10 06 14:34:36.638 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:34:36.639 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:34:36.709 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: BatchId (72)
## 2023 10 06 14:34:36.710 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:36.711 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:36.712 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73
## 2023 10 06 14:34:36.713 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 3
## 2023 10 06 14:34:36.715 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B300,
## 2023 10 06 14:34:36.715 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 3
## 2023 10 06 14:34:36.716 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2
## 2023 10 06 14:34:36.717 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 3
## 2023 10 06 14:34:36.718 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b300,#0000b3
## 2023 10 06 14:34:36.719 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: BatchId (
## 2023 10 06 14:34:36.720 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:36.721 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:36.722 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:36.723 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:36.724 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:36.725 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:36.726 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:36.727 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:36.728 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandard
## 2023 10 06 14:34:36.729 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:34:36.730 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:34:36.730 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: BatchId (72) MBa
## 2023 10 06 14:34:36.731 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:36.802 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:36.803 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:34:36.804 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:36.806 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP

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## 2023 10 06 14:34:36.807 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:34:36.808 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:34:36.809 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:34:36.810 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:34:36.810 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:36.811 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:36.812 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:34:36.813 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:34:36.814 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:36.815 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:36.816 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:36.817 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:36.818 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:36.819 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:36.819 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:36.820 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:36.821 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:34:36.822 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:36.823 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:34:36.824 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:34:36.825 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:36.851 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:36.852 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 3
## 2023 10 06 14:34:36.853 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:34:36.854 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:34:36.855 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 3
## 2023 10 06 14:34:36.856 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:36.857 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:34:36.857 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:34:36.881 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:34:36.883 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:34:36.884 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:34:36.884 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:36.887 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:34:36.888 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:34:36.889 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:36.889 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:36.890 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:36.891 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:36.892 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:36.893 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:36.894 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:36.895 DEBUG qcprludev10 length(theBatchIdsForSamples)= 72
## 2023 10 06 14:34:36.896 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:36.897 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:36.899 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:36.901 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:36.902 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:34:36.903 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:36.904 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:36.905 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:36.906 DEBUG qcprludev10 2, 72
## 2023 10 06 14:34:36.907 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:36.908 DEBUG qcprludev10 72

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## 2023 10 06 14:34:36.908 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:36.909 DEBUG qcprludev10 314
## 2023 10 06 14:34:36.910 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:36.911 DEBUG qcprludev10 2000
## 2023 10 06 14:34:36.912 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:36.913 DEBUG qcprludev10 5
## 2023 10 06 14:34:36.914 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:37.625 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:38.519 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:38.521 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:38.528 DEBUG qcprludev10 p-value run time = 1.62540650367737
## 2023 10 06 14:34:38.530 DEBUG qcprludev10 p-value is 0.798
## 2023 10 06 14:34:38.531 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:38.531 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:38.534 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:38.535 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:38.536 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:38.537 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:39.276 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:39.278 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:39.279 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC4
## 2023 10 06 14:34:39.284 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:34:39.285 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:34:39.356 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: BatchId (72)
## 2023 10 06 14:34:39.357 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:39.359 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPa
## 2023 10 06 14:34:39.360 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73
## 2023 10 06 14:34:39.361 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 3
## 2023 10 06 14:34:39.361 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B300,
## 2023 10 06 14:34:39.362 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 3
## 2023 10 06 14:34:39.363 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2
## 2023 10 06 14:34:39.364 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 3
## 2023 10 06 14:34:39.365 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b300,#0000b3
## 2023 10 06 14:34:39.366 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: BatchId (
## 2023 10 06 14:34:39.367 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:39.368 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:39.369 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:39.370 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:39.370 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:39.371 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:39.372 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:39.373 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:39.374 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandard
## 2023 10 06 14:34:39.375 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:34:39.376 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:34:39.377 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: BatchId (72) MBa
## 2023 10 06 14:34:39.378 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:39.449 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:39.450 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:34:39.452 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:39.453 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPa
## 2023 10 06 14:34:39.454 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:34:39.455 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14

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## 2023 10 06 14:34:39.456 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:34:39.457 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:34:39.458 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:39.459 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:39.459 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:34:39.460 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:34:39.461 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:39.462 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:39.463 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:39.464 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:39.465 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:39.466 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:39.466 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:39.467 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:39.468 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:34:39.469 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:39.470 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:34:39.471 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:34:39.472 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:39.498 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:39.499 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 4
## 2023 10 06 14:34:39.500 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:34:39.501 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:34:39.502 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 4
## 2023 10 06 14:34:39.503 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:39.504 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:34:39.505 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:34:39.527 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:34:39.529 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:34:39.530 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:34:39.531 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:39.533 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:34:39.534 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:34:39.535 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:39.536 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:39.537 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:39.538 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:39.539 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:39.540 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:39.541 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:39.541 DEBUG qcprludev10 length(theBatchIdsForSamples)= 72
## 2023 10 06 14:34:39.542 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:39.543 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:39.546 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:39.548 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:39.549 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:34:39.550 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:39.551 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:39.552 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:39.552 DEBUG qcprludev10 2, 72
## 2023 10 06 14:34:39.553 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:39.554 DEBUG qcprludev10 72
## 2023 10 06 14:34:39.555 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:39.556 DEBUG qcprludev10 314

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## 2023 10 06 14:34:39.557 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:39.558 DEBUG qcprludev10 2000
## 2023 10 06 14:34:39.559 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:39.559 DEBUG qcprludev10 5
## 2023 10 06 14:34:39.560 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:40.212 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:41.120 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:41.121 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:41.132 DEBUG qcprludev10 p-value run time = 1.5827796459198
## 2023 10 06 14:34:41.134 DEBUG qcprludev10 p-value is 0.994
## 2023 10 06 14:34:41.135 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:41.136 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:41.141 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:41.142 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:41.143 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:41.144 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:41.890 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:41.891 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:41.892 DEBUG qcprludev10 writePCAAnnotations - data PC2,PC3
## 2023 10 06 14:34:41.897 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:34:41.898 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:34:41.970 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: BatchId (72)
## 2023 10 06 14:34:41.971 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:41.972 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:41.973 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73
## 2023 10 06 14:34:41.974 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 3
## 2023 10 06 14:34:41.975 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B300,
## 2023 10 06 14:34:41.976 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 3
## 2023 10 06 14:34:41.977 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2
## 2023 10 06 14:34:41.978 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 3
## 2023 10 06 14:34:41.979 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b300,#0000b3
## 2023 10 06 14:34:41.980 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: BatchId (
## 2023 10 06 14:34:41.981 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:41.982 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:41.983 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:41.984 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:41.985 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:41.986 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:41.987 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:41.988 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:41.989 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:34:41.990 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:34:41.991 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:34:41.992 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: BatchId (72) MBa
## 2023 10 06 14:34:41.993 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:42.066 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:42.067 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:34:42.068 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:42.070 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:42.071 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:34:42.072 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:34:42.073 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:34:42.074 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0

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## 2023 10 06 14:34:42.074 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:42.075 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:42.076 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:34:42.077 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:34:42.078 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:42.079 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:42.080 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:42.081 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMbatchEnv() = /BEA/gendev
## 2023 10 06 14:34:42.082 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:42.083 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:42.084 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:42.084 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:42.085 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:34:42.086 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:42.087 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:34:42.088 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:34:42.089 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:42.115 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:42.116 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 2 3
## 2023 10 06 14:34:42.117 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:34:42.118 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:34:42.119 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 2 3
## 2023 10 06 14:34:42.120 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:42.121 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:34:42.122 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:34:42.145 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:34:42.146 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:34:42.147 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:34:42.148 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:42.150 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:34:42.151 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:34:42.152 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:42.153 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:42.154 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:42.155 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:42.156 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:42.157 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:42.158 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:42.159 DEBUG qcprludev10 length(theBatchIdsForSamples)= 72
## 2023 10 06 14:34:42.160 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:42.161 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:42.163 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:42.165 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:42.166 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:34:42.167 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:42.168 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:42.169 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:42.170 DEBUG qcprludev10 2, 72
## 2023 10 06 14:34:42.170 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:42.171 DEBUG qcprludev10 72
## 2023 10 06 14:34:42.172 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:42.173 DEBUG qcprludev10 314
## 2023 10 06 14:34:42.174 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:42.177 DEBUG qcprludev10 2000

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## 2023 10 06 14:34:42.178 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:42.178 DEBUG qcprludev10 5
## 2023 10 06 14:34:42.179 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:42.967 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:43.825 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:43.827 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:43.836 DEBUG qcprludev10 p-value run time = 1.66911053657532
## 2023 10 06 14:34:43.837 DEBUG qcprludev10 p-value is 0.999
## 2023 10 06 14:34:43.838 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:43.839 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:43.841 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:43.842 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:43.843 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:43.844 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:44.849 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:44.850 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:44.851 DEBUG qcprludev10 writePCAAnnotations - data PC2,PC4
## 2023 10 06 14:34:44.856 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:34:44.857 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:34:44.928 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: BatchId (72)
## 2023 10 06 14:34:44.930 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:44.931 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:44.932 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73
## 2023 10 06 14:34:44.933 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 3
## 2023 10 06 14:34:44.934 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B300,
## 2023 10 06 14:34:44.935 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 3
## 2023 10 06 14:34:44.936 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2
## 2023 10 06 14:34:44.937 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 3
## 2023 10 06 14:34:44.938 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b300,#0000b3
## 2023 10 06 14:34:44.939 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: BatchId (
## 2023 10 06 14:34:44.940 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:44.941 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:44.942 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:44.943 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:44.943 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:44.944 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:44.945 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:44.946 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:44.947 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:34:44.948 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:34:44.949 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:34:44.949 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: BatchId (72) MBa
## 2023 10 06 14:34:44.950 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:45.021 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:45.023 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:34:45.024 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:45.025 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:45.026 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:34:45.027 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:34:45.028 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:34:45.029 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:34:45.030 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:45.031 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0

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## 2023 10 06 14:34:45.032 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:34:45.033 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:34:45.034 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:45.034 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:45.035 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:45.036 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMbatchEnv() = /BEA/gendev
## 2023 10 06 14:34:45.037 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:45.038 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:45.039 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:45.040 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:45.041 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:34:45.043 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:45.044 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:34:45.044 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:34:45.045 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:45.073 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:45.075 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 2 4
## 2023 10 06 14:34:45.076 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:34:45.077 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:34:45.077 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 2 4
## 2023 10 06 14:34:45.078 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:34:45.079 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:34:45.080 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:34:45.102 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:34:45.104 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:34:45.105 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:34:45.106 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:45.108 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:34:45.109 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:34:45.110 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:45.111 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:45.111 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:45.112 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:45.113 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:45.114 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:45.115 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 72
## 2023 10 06 14:34:45.116 DEBUG qcprludev10 length(theBatchIdsForSamples)= 72
## 2023 10 06 14:34:45.117 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:45.118 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:45.121 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:45.122 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:45.123 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:34:45.124 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:45.125 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:45.126 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:45.127 DEBUG qcprludev10 2, 72
## 2023 10 06 14:34:45.128 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:45.128 DEBUG qcprludev10 72
## 2023 10 06 14:34:45.130 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:45.131 DEBUG qcprludev10 314
## 2023 10 06 14:34:45.132 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:45.133 DEBUG qcprludev10 2000
## 2023 10 06 14:34:45.134 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:45.135 DEBUG qcprludev10 5

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## 2023 10 06 14:34:45.136 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:45.811 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:46.613 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:46.615 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:46.622 DEBUG qcprludev10 p-value run time = 1.49816226959229
## 2023 10 06 14:34:46.623 DEBUG qcprludev10 p-value is 0.9865
## 2023 10 06 14:34:46.624 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:46.625 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:46.628 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:46.629 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:46.630 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:46.631 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:47.336 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:47.337 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:47.338 DEBUG qcprludev10 writePCAAnnotations - data PC3,PC4
## 2023 10 06 14:34:47.343 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:34:47.344 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:34:47.413 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: BatchId (72)
## 2023 10 06 14:34:47.414 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:47.415 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPa
## 2023 10 06 14:34:47.416 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73
## 2023 10 06 14:34:47.417 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 3
## 2023 10 06 14:34:47.418 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B300,
## 2023 10 06 14:34:47.419 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 3
## 2023 10 06 14:34:47.420 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2
## 2023 10 06 14:34:47.421 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 3
## 2023 10 06 14:34:47.422 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b300,#0000b3
## 2023 10 06 14:34:47.423 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: BatchId (
## 2023 10 06 14:34:47.424 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:47.425 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:47.427 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:47.428 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:47.429 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:47.430 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:47.431 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:47.432 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:47.433 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:34:47.434 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:34:47.435 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:34:47.436 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: BatchId (72) MBa
## 2023 10 06 14:34:47.437 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:47.511 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:47.513 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:34:47.514 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:47.515 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPa
## 2023 10 06 14:34:47.516 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:34:47.517 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:34:47.518 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:34:47.519 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:34:47.520 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:47.521 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:47.522 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:34:47.522 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics

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## 2023 10 06 14:34:47.523 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:47.524 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.525 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:47.526 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMbatchEnv() = /BEA/gendev
## 2023 10 06 14:34:47.527 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:47.528 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:47.529 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:47.530 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:47.530 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:34:47.531 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:47.532 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:34:47.533 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:34:47.534 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.562 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:47.563 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 3 4
## 2023 10 06 14:34:47.564 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.565 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.566 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 3 4
## 2023 10 06 14:34:47.567 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.568 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:34:47.569 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:34:47.593 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:34:47.595 DEBUG qcprludev10 doSamplePcaCall - pre-filter matrix size= 684,73
## 2023 10 06 14:34:47.596 DEBUG qcprludev10 filterTheGeneDataOnBatchSize theMinBatchSize= 5
## 2023 10 06 14:34:47.598 DEBUG qcprludev10 filterBasedOnGeneLimit theGeneLimit= 10000
## 2023 10 06 14:34:47.599 DEBUG qcprludev10 filterBasedOnGeneLimit theMatrixGeneData nrow= 684
## 2023 10 06 14:34:47.600 DEBUG qcprludev10 filterBasedOnGeneLimit theMatrixGeneData ncol= 73
## 2023 10 06 14:34:47.601 DEBUG qcprludev10 doSamplePcaCall - pre-filter matrix size= 684,73
## 2023 10 06 14:34:47.602 DEBUG qcprludev10 doSamplePcaCall - no-NA matrix length= 680
## 2023 10 06 14:34:47.638 DEBUG qcprludev10 doSamplePcaCall - max(theCompPairList)= 4
## 2023 10 06 14:34:47.639 DEBUG qcprludev10 doSamplePcaCall - ncol(pca@scores)= 73
## 2023 10 06 14:34:47.640 DEBUG qcprludev10 doSamplePcaCall - pca scores size= 73,73
## 2023 10 06 14:34:47.641 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.642 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.643 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:34:47.645 DEBUG qcprludev10 call pvalueDSC
## 2023 10 06 14:34:47.646 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:47.646 DEBUG qcprludev10 pvalueDSC component A < 1
## 2023 10 06 14:34:47.648 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:47.648 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:47.649 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 73
## 2023 10 06 14:34:47.651 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 73
## 2023 10 06 14:34:47.651 DEBUG qcprludev10 length(theBatchIdsForSamples)= 73
## 2023 10 06 14:34:47.652 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:47.653 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:47.667 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:47.668 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:47.669 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:34:47.670 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:47.671 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:47.672 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:47.673 DEBUG qcprludev10 73, 73
## 2023 10 06 14:34:47.674 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:47.682 DEBUG qcprludev10 73

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## 2023 10 06 14:34:47.682 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:47.683 DEBUG qcprludev10 314
## 2023 10 06 14:34:47.685 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:47.685 DEBUG qcprludev10 2000
## 2023 10 06 14:34:47.686 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:47.687 DEBUG qcprludev10 5
## 2023 10 06 14:34:47.688 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:54.900 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:55.741 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:55.743 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:55.835 DEBUG qcprludev10 p-value run time = 8.16451287269592
## 2023 10 06 14:34:55.837 DEBUG qcprludev10 p-value is 0.001
## 2023 10 06 14:34:55.838 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:55.839 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:56.012 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:56.013 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:56.014 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:56.015 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:56.754 DEBUG qcprludev10 Write PCA Files 1 /BEA/BatchEffectsPackage_data/testing_d
## 2023 10 06 14:34:56.755 DEBUG qcprludev10 write writePcaDataFilesForDataset
## 2023 10 06 14:34:56.756 DEBUG qcprludev10 writePCAValuesTSV
## 2023 10 06 14:34:56.757 DEBUG qcprludev10 writePCAValuesTSV title file
## 2023 10 06 14:34:56.758 DEBUG qcprludev10 writeTitleFile - pre title / PCA+ TSS
## 2023 10 06 14:34:56.759 DEBUG qcprludev10 writeTitleFile - theTitle / PCA+ TSS
## 2023 10 06 14:34:56.760 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:34:56.761 DEBUG qcprludev10 writePCAValuesTSV outputFile
## 2023 10 06 14:34:56.762 DEBUG qcprludev10 writePCAValuesTSV components
## 2023 10 06 14:34:56.763 DEBUG qcprludev10 writePCAValuesTSV myDataFrame
## 2023 10 06 14:34:56.764 DEBUG qcprludev10 writePCAValuesTSV - values
## 2023 10 06 14:34:56.765 DEBUG qcprludev10 writePCAValuesTSV - matrix
## 2023 10 06 14:34:56.766 DEBUG qcprludev10 writePCAValuesTSV - write
## 2023 10 06 14:34:56.769 DEBUG qcprludev10 writePCAValuesTSV finished /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:34:56.770 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:56.771 DEBUG qcprludev10 writePCAAnnotations - header and all data
## 2023 10 06 14:34:56.780 DEBUG qcprludev10 write writeSharedFveWeightScoresFiles
## 2023 10 06 14:34:56.884 DEBUG qcprludev10 createBatchEffectsOutput_pca loop
## 2023 10 06 14:34:56.886 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca s
## 2023 10 06 14:34:56.887 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:34:56.888 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:56.890 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca s
## 2023 10 06 14:34:56.891 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samp
## 2023 10 06 14:34:56.892 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:56.893 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:56.894 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:56.895 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:56.896 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:56.897 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:56.898 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 73
## 2023 10 06 14:34:56.899 DEBUG qcprludev10 length(theBatchIdsForSamples)= 73
## 2023 10 06 14:34:56.900 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:56.901 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:56.904 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:56.905 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:56.906 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=

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## 2023 10 06 14:34:56.907 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:56.908 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:34:56.909 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:56.910 DEBUG qcprludev10 2, 73
## 2023 10 06 14:34:56.911 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:56.912 DEBUG qcprludev10 73
## 2023 10 06 14:34:56.913 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:56.914 DEBUG qcprludev10 314
## 2023 10 06 14:34:56.915 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:56.916 DEBUG qcprludev10 2000
## 2023 10 06 14:34:56.917 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:56.918 DEBUG qcprludev10 5
## 2023 10 06 14:34:56.919 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:34:57.599 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:34:58.417 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:34:58.418 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:34:58.425 DEBUG qcprludev10 p-value run time = 1.51773738861084
## 2023 10 06 14:34:58.426 DEBUG qcprludev10 p-value is 0.001
## 2023 10 06 14:34:58.427 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:34:58.428 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:34:58.432 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:34:58.434 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:34:58.435 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:34:58.436 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:34:59.150 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:34:59.151 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:34:59.152 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC2
## 2023 10 06 14:34:59.156 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:34:59.157 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:34:59.232 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: TSS (73)
## 2023 10 06 14:34:59.233 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:59.234 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:59.235 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:34:59.236 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:34:59.238 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:34:59.239 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:34:59.240 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1
## 2023 10 06 14:34:59.241 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 2
## 2023 10 06 14:34:59.242 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b3b3
## 2023 10 06 14:34:59.243 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: TSS (73)
## 2023 10 06 14:34:59.244 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:59.245 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:59.246 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:59.247 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:59.248 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:59.249 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:59.250 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:59.251 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:59.252 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandard
## 2023 10 06 14:34:59.253 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:34:59.254 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSta
## 2023 10 06 14:34:59.255 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: TSS (73) MBatch
## 2023 10 06 14:34:59.256 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect

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## 2023 10 06 14:34:59.311 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:59.312 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:34:59.313 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:34:59.315 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:34:59.316 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:34:59.317 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:34:59.318 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:34:59.319 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:34:59.320 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:34:59.321 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:34:59.322 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:34:59.323 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:34:59.324 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:34:59.325 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:34:59.326 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:34:59.327 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:34:59.328 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:34:59.329 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:34:59.330 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:34:59.331 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:34:59.332 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:34:59.333 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:34:59.334 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Componen
## 2023 10 06 14:34:59.335 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:34:59.335 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:34:59.361 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:34:59.362 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 2
## 2023 10 06 14:34:59.363 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/Batch
## 2023 10 06 14:34:59.364 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchE
## 2023 10 06 14:34:59.365 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 2
## 2023 10 06 14:34:59.366 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BE
## 2023 10 06 14:34:59.367 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:34:59.368 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:34:59.386 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:34:59.388 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca s
## 2023 10 06 14:34:59.389 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:34:59.390 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:34:59.392 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca s
## 2023 10 06 14:34:59.393 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samp
## 2023 10 06 14:34:59.394 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:34:59.395 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:34:59.396 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:34:59.397 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:34:59.398 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:34:59.399 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:34:59.400 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 73
## 2023 10 06 14:34:59.401 DEBUG qcprludev10 length(theBatchIdsForSamples)= 73
## 2023 10 06 14:34:59.402 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:34:59.403 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:34:59.405 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:34:59.407 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:34:59.408 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))
## 2023 10 06 14:34:59.409 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:34:59.410 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)

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## 2023 10 06 14:34:59.411 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:34:59.412 DEBUG qcprludev10 2, 73
## 2023 10 06 14:34:59.413 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:34:59.414 DEBUG qcprludev10 73
## 2023 10 06 14:34:59.415 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:34:59.416 DEBUG qcprludev10 314
## 2023 10 06 14:34:59.417 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:34:59.418 DEBUG qcprludev10 2000
## 2023 10 06 14:34:59.419 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:34:59.420 DEBUG qcprludev10 5
## 2023 10 06 14:34:59.421 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:00.087 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:01.015 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:01.017 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:01.024 DEBUG qcprludev10 p-value run time = 1.61525964736938
## 2023 10 06 14:35:01.026 DEBUG qcprludev10 p-value is 0.001
## 2023 10 06 14:35:01.027 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:01.028 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:01.031 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:01.032 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:01.033 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:01.034 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:01.795 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:01.797 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:01.798 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC3
## 2023 10 06 14:35:01.803 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:01.804 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:01.874 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: TSS (73)
## 2023 10 06 14:35:01.875 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:01.877 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:01.878 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:35:01.879 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:35:01.879 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:35:01.880 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:35:01.881 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1
## 2023 10 06 14:35:01.882 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 2
## 2023 10 06 14:35:01.883 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b3b3
## 2023 10 06 14:35:01.884 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: TSS (73)
## 2023 10 06 14:35:01.885 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:01.886 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:01.887 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:01.888 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:01.889 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:01.890 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:01.891 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:01.892 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:01.893 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:01.894 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:01.895 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSta
## 2023 10 06 14:35:01.896 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: TSS (73) MBatch
## 2023 10 06 14:35:01.896 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:01.952 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:01.953 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics

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## 2023 10 06 14:35:01.954 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:01.956 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:01.957 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:01.958 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:01.959 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:01.959 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:01.960 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:01.961 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:01.962 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:01.963 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:01.964 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:01.965 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:01.966 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:01.967 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:01.968 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:01.969 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:01.970 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:01.971 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:01.972 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:01.973 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:01.973 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Componen
## 2023 10 06 14:35:01.974 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:01.975 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:02.002 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:02.003 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 3
## 2023 10 06 14:35:02.004 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/Batch
## 2023 10 06 14:35:02.005 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchE
## 2023 10 06 14:35:02.006 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 3
## 2023 10 06 14:35:02.007 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BE
## 2023 10 06 14:35:02.008 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:02.009 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:02.027 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:02.030 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca s
## 2023 10 06 14:35:02.031 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:35:02.032 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:02.034 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca sc
## 2023 10 06 14:35:02.035 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for sampl
## 2023 10 06 14:35:02.035 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:02.036 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:02.037 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:02.038 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:02.039 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:02.040 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:02.041 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 73
## 2023 10 06 14:35:02.042 DEBUG qcprludev10 length(theBatchIdsForSamples)= 73
## 2023 10 06 14:35:02.043 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:02.044 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:02.047 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:02.048 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:02.049 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))
## 2023 10 06 14:35:02.050 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:02.051 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:02.052 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:02.053 DEBUG qcprludev10 2, 73

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## 2023 10 06 14:35:02.054 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:02.055 DEBUG qcprludev10 73
## 2023 10 06 14:35:02.056 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:02.057 DEBUG qcprludev10 314
## 2023 10 06 14:35:02.058 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:02.060 DEBUG qcprludev10 2000
## 2023 10 06 14:35:02.061 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:02.062 DEBUG qcprludev10 5
## 2023 10 06 14:35:02.063 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:02.665 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:03.538 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:03.540 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:03.551 DEBUG qcprludev10 p-value run time = 1.50084519386292
## 2023 10 06 14:35:03.553 DEBUG qcprludev10 p-value is 0.001
## 2023 10 06 14:35:03.554 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:03.555 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:03.557 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:03.558 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:03.559 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:03.560 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:04.301 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:04.302 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:04.303 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC4
## 2023 10 06 14:35:04.308 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:04.309 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:04.381 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: TSS (73)
## 2023 10 06 14:35:04.382 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:04.384 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:04.385 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:35:04.386 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:35:04.387 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:35:04.388 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:35:04.389 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1
## 2023 10 06 14:35:04.389 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 2
## 2023 10 06 14:35:04.391 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000, #00b3b3
## 2023 10 06 14:35:04.391 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: TSS (73)
## 2023 10 06 14:35:04.392 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:04.393 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:04.394 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:04.395 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:04.396 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:04.397 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:04.398 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:04.404 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:04.405 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:04.406 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:04.407 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSta
## 2023 10 06 14:35:04.408 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: TSS (73) MBatch
## 2023 10 06 14:35:04.409 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:04.466 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:04.467 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:04.468 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:04.470 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP

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## 2023 10 06 14:35:04.471 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:04.472 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:04.473 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:04.477 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:04.478 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:04.479 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:04.480 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:04.481 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:04.482 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:04.483 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:04.484 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:04.485 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:04.486 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:04.487 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:04.490 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:04.491 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:04.492 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:04.493 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:04.494 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:35:04.495 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:04.496 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:04.525 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:04.527 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 4
## 2023 10 06 14:35:04.528 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:35:04.529 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:35:04.530 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 4
## 2023 10 06 14:35:04.531 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:04.532 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:04.533 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:04.550 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:04.552 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:35:04.553 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:35:04.554 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:04.556 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:35:04.557 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:35:04.558 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:04.559 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:04.560 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:04.561 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:04.562 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:04.563 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:04.564 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 73
## 2023 10 06 14:35:04.565 DEBUG qcprludev10 length(theBatchIdsForSamples)= 73
## 2023 10 06 14:35:04.566 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:04.567 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:04.570 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:04.571 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:04.572 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:35:04.573 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:04.574 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:04.575 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:04.576 DEBUG qcprludev10 2, 73
## 2023 10 06 14:35:04.577 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:04.578 DEBUG qcprludev10 73

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## 2023 10 06 14:35:04.579 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:04.580 DEBUG qcprludev10 314
## 2023 10 06 14:35:04.581 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:04.582 DEBUG qcprludev10 2000
## 2023 10 06 14:35:04.583 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:04.584 DEBUG qcprludev10 5
## 2023 10 06 14:35:04.585 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:05.235 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:06.112 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:06.113 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:06.121 DEBUG qcprludev10 p-value run time = 1.54770421981812
## 2023 10 06 14:35:06.122 DEBUG qcprludev10 p-value is 0.012
## 2023 10 06 14:35:06.123 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:06.124 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:06.127 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:06.128 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:06.129 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:06.130 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:06.862 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:06.863 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:06.864 DEBUG qcprludev10 writePCAAnnotations - data PC2,PC3
## 2023 10 06 14:35:06.869 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:06.870 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:06.941 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: TSS (73)
## 2023 10 06 14:35:06.942 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:06.944 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPa
## 2023 10 06 14:35:06.945 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:35:06.946 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:35:06.947 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:35:06.948 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:35:06.949 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1
## 2023 10 06 14:35:06.950 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 2
## 2023 10 06 14:35:06.951 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b3b3
## 2023 10 06 14:35:06.952 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: TSS (73)
## 2023 10 06 14:35:06.952 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:06.953 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:06.954 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:06.955 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:06.956 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:06.957 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:06.958 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:06.959 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:06.960 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandard
## 2023 10 06 14:35:06.961 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:06.962 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSta
## 2023 10 06 14:35:06.963 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: TSS (73) MBatch
## 2023 10 06 14:35:06.964 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:07.020 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:07.021 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:07.022 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:07.024 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPa
## 2023 10 06 14:35:07.025 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:07.026 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14

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## 2023 10 06 14:35:07.027 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:07.028 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:07.029 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:07.030 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:07.031 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:07.032 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:07.033 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:07.034 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:07.035 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:07.036 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:07.036 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:07.038 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:07.038 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:07.039 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:07.040 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:07.041 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:07.042 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:35:07.043 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:07.044 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:07.071 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:07.072 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 2 3
## 2023 10 06 14:35:07.073 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:35:07.074 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:35:07.075 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 2 3
## 2023 10 06 14:35:07.076 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:07.077 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:07.078 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:07.096 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:07.098 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:35:07.099 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:35:07.100 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:07.102 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:35:07.103 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:35:07.104 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:07.105 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:07.106 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:07.107 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:07.108 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:07.109 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:07.110 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 73
## 2023 10 06 14:35:07.111 DEBUG qcprludev10 length(theBatchIdsForSamples)= 73
## 2023 10 06 14:35:07.112 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:07.113 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:07.116 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:07.125 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:07.126 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:35:07.128 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:07.129 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:07.130 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:07.131 DEBUG qcprludev10 2, 73
## 2023 10 06 14:35:07.132 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:07.133 DEBUG qcprludev10 73
## 2023 10 06 14:35:07.134 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:07.135 DEBUG qcprludev10 314

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## 2023 10 06 14:35:07.136 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:07.137 DEBUG qcprludev10 2000
## 2023 10 06 14:35:07.138 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:07.139 DEBUG qcprludev10 5
## 2023 10 06 14:35:07.140 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:07.755 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:08.716 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:08.718 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:08.728 DEBUG qcprludev10 p-value run time = 1.59977793693542
## 2023 10 06 14:35:08.729 DEBUG qcprludev10 p-value is 0.012
## 2023 10 06 14:35:08.730 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:08.731 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:08.733 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:08.734 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:08.735 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:08.736 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:09.535 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:09.536 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:09.537 DEBUG qcprludev10 writePCAAnnotations - data PC2,PC4
## 2023 10 06 14:35:09.542 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:09.543 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:09.617 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: TSS (73)
## 2023 10 06 14:35:09.618 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:09.619 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:09.620 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:35:09.621 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:35:09.622 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:35:09.622 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:35:09.623 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1
## 2023 10 06 14:35:09.624 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 2
## 2023 10 06 14:35:09.625 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b3b3
## 2023 10 06 14:35:09.626 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: TSS (73)
## 2023 10 06 14:35:09.627 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:09.628 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:09.629 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:09.630 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:09.630 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:09.632 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:09.632 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:09.633 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:09.634 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:09.635 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:09.636 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSta
## 2023 10 06 14:35:09.637 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: TSS (73) MBatch
## 2023 10 06 14:35:09.638 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:09.694 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:09.696 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:09.697 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:09.698 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:09.699 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:09.700 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:09.701 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:09.702 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0

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## 2023 10 06 14:35:09.702 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:09.703 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:09.704 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:09.705 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:09.706 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:09.707 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:09.708 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:09.709 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:09.710 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:09.711 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:09.711 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:09.712 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:09.713 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:09.714 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:09.715 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:35:09.716 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:09.717 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:09.743 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:09.744 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 2 4
## 2023 10 06 14:35:09.745 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:35:09.746 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:35:09.747 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 2 4
## 2023 10 06 14:35:09.748 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:09.749 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:09.750 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:09.768 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:09.770 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:35:09.771 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:35:09.772 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:09.774 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:35:09.775 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:35:09.776 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:09.777 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:09.778 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:09.779 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:09.779 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:09.780 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:09.781 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 73
## 2023 10 06 14:35:09.782 DEBUG qcprludev10 length(theBatchIdsForSamples)= 73
## 2023 10 06 14:35:09.783 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:09.784 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:09.786 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:09.788 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:09.789 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:35:09.790 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:09.791 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:09.792 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:09.793 DEBUG qcprludev10 2, 73
## 2023 10 06 14:35:09.793 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:09.794 DEBUG qcprludev10 73
## 2023 10 06 14:35:09.795 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:09.796 DEBUG qcprludev10 314
## 2023 10 06 14:35:09.797 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:09.798 DEBUG qcprludev10 2000

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## 2023 10 06 14:35:09.799 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:09.800 DEBUG qcprludev10 5
## 2023 10 06 14:35:09.800 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:10.431 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:11.416 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:11.418 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:11.427 DEBUG qcprludev10 p-value run time = 1.63750314712524
## 2023 10 06 14:35:11.429 DEBUG qcprludev10 p-value is 0.115
## 2023 10 06 14:35:11.430 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:11.430 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:11.433 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:11.434 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:11.435 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:11.436 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:12.222 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:12.224 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:12.225 DEBUG qcprludev10 writePCAAnnotations - data PC3,PC4
## 2023 10 06 14:35:12.230 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:12.231 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:12.302 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: TSS (73)
## 2023 10 06 14:35:12.303 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:12.304 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:12.305 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:35:12.306 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:35:12.307 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:35:12.308 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:35:12.309 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1
## 2023 10 06 14:35:12.309 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 2
## 2023 10 06 14:35:12.310 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b3b3
## 2023 10 06 14:35:12.311 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: TSS (73)
## 2023 10 06 14:35:12.312 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:12.313 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:12.314 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:12.315 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:12.316 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:12.317 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:12.318 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:12.319 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:12.320 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:12.320 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:12.321 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSta
## 2023 10 06 14:35:12.322 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: TSS (73) MBatch
## 2023 10 06 14:35:12.323 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:12.380 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:12.382 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:12.383 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:12.384 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:12.386 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:12.386 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:12.387 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:12.388 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:12.389 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:12.390 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0

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## 2023 10 06 14:35:12.391 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:12.392 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:12.393 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:12.394 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffects
## 2023 10 06 14:35:12.395 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:12.395 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:12.397 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:12.398 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:12.399 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:12.400 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:12.401 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:12.402 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:12.403 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:35:12.404 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:12.405 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffects
## 2023 10 06 14:35:12.432 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:12.434 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 3 4
## 2023 10 06 14:35:12.435 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffects
## 2023 10 06 14:35:12.436 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffects
## 2023 10 06 14:35:12.437 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 3 4
## 2023 10 06 14:35:12.438 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffects
## 2023 10 06 14:35:12.438 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:12.439 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:12.457 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:12.459 DEBUG qcprludev10 doSamplePcaCall - pre-filter matrix size= 684,73
## 2023 10 06 14:35:12.460 DEBUG qcprludev10 filterTheGeneDataOnBatchSize theMinBatchSize= 5
## 2023 10 06 14:35:12.462 DEBUG qcprludev10 filterBasedOnGeneLimit theGeneLimit= 10000
## 2023 10 06 14:35:12.463 DEBUG qcprludev10 filterBasedOnGeneLimit theMatrixGeneData nrow= 684
## 2023 10 06 14:35:12.464 DEBUG qcprludev10 filterBasedOnGeneLimit theMatrixGeneData ncol= 69
## 2023 10 06 14:35:12.465 DEBUG qcprludev10 doSamplePcaCall - pre-filter matrix size= 684,73
## 2023 10 06 14:35:12.466 DEBUG qcprludev10 doSamplePcaCall - no-NA matrix length= 681
## 2023 10 06 14:35:12.521 DEBUG qcprludev10 doSamplePcaCall - max(theCompPairList)= 4
## 2023 10 06 14:35:12.522 DEBUG qcprludev10 doSamplePcaCall - ncol(pca@scores)= 69
## 2023 10 06 14:35:12.523 DEBUG qcprludev10 doSamplePcaCall - pca scores size= 69,69
## 2023 10 06 14:35:12.524 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:35:12.526 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:35:12.527 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:35:12.528 DEBUG qcprludev10 call pvalueDSC
## 2023 10 06 14:35:12.529 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:12.530 DEBUG qcprludev10 pvalueDSC component A < 1
## 2023 10 06 14:35:12.531 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:12.532 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:12.533 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:12.534 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:12.535 DEBUG qcprludev10 length(theBatchIdsForSamples)= 69
## 2023 10 06 14:35:12.536 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:12.537 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:12.559 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:12.561 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:12.562 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:35:12.563 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:12.564 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:12.565 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:12.566 DEBUG qcprludev10 69, 69

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## 2023 10 06 14:35:12.567 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:12.568 DEBUG qcprludev10 69
## 2023 10 06 14:35:12.569 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:12.570 DEBUG qcprludev10 314
## 2023 10 06 14:35:12.571 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:12.572 DEBUG qcprludev10 2000
## 2023 10 06 14:35:12.573 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:12.574 DEBUG qcprludev10 5
## 2023 10 06 14:35:12.575 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:24.636 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:25.609 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:25.610 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:25.730 DEBUG qcprludev10 p-value run time = 13.1667368412018
## 2023 10 06 14:35:25.732 DEBUG qcprludev10 p-value is 0.981
## 2023 10 06 14:35:25.733 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:25.734 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:25.901 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:25.903 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:25.904 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:25.905 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:26.704 DEBUG qcprludev10 Write PCA Files 1 /BEA/BatchEffectsPackage_data/testing_d
## 2023 10 06 14:35:26.706 DEBUG qcprludev10 write writePcaDataFilesForDataset
## 2023 10 06 14:35:26.707 DEBUG qcprludev10 writePCAValuesTSV
## 2023 10 06 14:35:26.708 DEBUG qcprludev10 writePCAValuesTSV title file
## 2023 10 06 14:35:26.709 DEBUG qcprludev10 writeTitleFile - pre title / PCA+ ShipDate
## 2023 10 06 14:35:26.710 DEBUG qcprludev10 writeTitleFile - theTitle / PCA+ ShipDate
## 2023 10 06 14:35:26.711 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:35:26.712 DEBUG qcprludev10 writePCAValuesTSV outputFile
## 2023 10 06 14:35:26.713 DEBUG qcprludev10 writePCAValuesTSV components
## 2023 10 06 14:35:26.714 DEBUG qcprludev10 writePCAValuesTSV myDataFrame
## 2023 10 06 14:35:26.715 DEBUG qcprludev10 writePCAValuesTSV - values
## 2023 10 06 14:35:26.716 DEBUG qcprludev10 writePCAValuesTSV - matrix
## 2023 10 06 14:35:26.718 DEBUG qcprludev10 writePCAValuesTSV - write
## 2023 10 06 14:35:26.720 DEBUG qcprludev10 writePCAValuesTSV finished /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:35:26.721 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:26.722 DEBUG qcprludev10 writePCAAnnotations - header and all data
## 2023 10 06 14:35:26.732 DEBUG qcprludev10 write writeSharedFveWeightScoresFiles
## 2023 10 06 14:35:26.847 DEBUG qcprludev10 createBatchEffectsOutput_pca loop
## 2023 10 06 14:35:26.860 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pcas
## 2023 10 06 14:35:26.862 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:35:26.863 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:26.865 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca sc
## 2023 10 06 14:35:26.866 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for sampl
## 2023 10 06 14:35:26.868 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:26.869 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:26.870 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:26.871 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:26.872 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:26.873 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:26.874 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:26.875 DEBUG qcprludev10 length(theBatchIdsForSamples)= 69
## 2023 10 06 14:35:26.876 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:26.877 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:26.880 DEBUG qcprludev10 getDSCwithExcerpt after Python

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## 2023 10 06 14:35:26.882 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:26.883 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples)))
## 2023 10 06 14:35:26.884 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:26.885 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:26.886 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:26.887 DEBUG qcprludev10 2, 69
## 2023 10 06 14:35:26.888 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:26.889 DEBUG qcprludev10 69
## 2023 10 06 14:35:26.890 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:26.892 DEBUG qcprludev10 314
## 2023 10 06 14:35:26.893 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:26.894 DEBUG qcprludev10 2000
## 2023 10 06 14:35:26.895 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:26.896 DEBUG qcprludev10 5
## 2023 10 06 14:35:26.897 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:27.754 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:28.778 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:28.780 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:28.790 DEBUG qcprludev10 p-value run time = 1.90524363517761
## 2023 10 06 14:35:28.791 DEBUG qcprludev10 p-value is 0.3655
## 2023 10 06 14:35:28.792 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:28.793 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:28.796 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:28.797 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:28.798 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:28.799 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:29.618 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:29.619 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:29.621 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC2
## 2023 10 06 14:35:29.625 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:29.627 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:29.697 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: ShipDate (69)
## 2023 10 06 14:35:29.698 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:29.700 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPackage
## 2023 10 06 14:35:29.701 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:35:29.702 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:29.703 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300, #
## 2023 10 06 14:35:29.704 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:29.705 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2, 3
## 2023 10 06 14:35:29.706 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 4
## 2023 10 06 14:35:29.708 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#59b300,#00b3b3,#
## 2023 10 06 14:35:29.709 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: ShipDate
## 2023 10 06 14:35:29.710 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:29.711 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffectsPackage
## 2023 10 06 14:35:29.712 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:29.713 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:29.714 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:29.715 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:29.716 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:29.717 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:29.718 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandardLegend
## 2023 10 06 14:35:29.719 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLegend
## 2023 10 06 14:35:29.720 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), r

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## 2023 10 06 14:35:29.721 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: ShipDate (69) MB
## 2023 10 06 14:35:29.722 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffectsP
## 2023 10 06 14:35:29.810 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:29.811 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:29.812 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:29.814 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:29.815 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:29.816 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:29.817 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:29.818 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:29.819 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:29.820 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:29.821 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:29.822 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:29.823 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:29.824 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffectsP
## 2023 10 06 14:35:29.825 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:29.826 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:29.827 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:29.829 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:29.830 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:29.831 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:29.832 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:29.833 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:29.834 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:35:29.835 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:29.836 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffectsP
## 2023 10 06 14:35:29.862 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:29.864 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 2
## 2023 10 06 14:35:29.865 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:29.866 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffectsP
## 2023 10 06 14:35:29.867 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 2
## 2023 10 06 14:35:29.868 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffectsP
## 2023 10 06 14:35:29.869 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:29.870 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:29.899 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:29.901 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:35:29.902 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:35:29.903 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:29.905 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:35:29.906 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:35:29.907 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:29.908 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:29.909 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:29.909 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:29.910 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:29.911 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:29.912 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:29.913 DEBUG qcprludev10 length(theBatchIdsForSamples)= 69
## 2023 10 06 14:35:29.914 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:29.915 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:29.918 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:29.920 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:29.921 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=

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## 2023 10 06 14:35:29.922 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:29.923 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:29.924 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:29.925 DEBUG qcprludev10 2, 69
## 2023 10 06 14:35:29.925 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:29.926 DEBUG qcprludev10 69
## 2023 10 06 14:35:29.927 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:29.928 DEBUG qcprludev10 314
## 2023 10 06 14:35:29.929 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:29.930 DEBUG qcprludev10 2000
## 2023 10 06 14:35:29.931 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:29.932 DEBUG qcprludev10 5
## 2023 10 06 14:35:29.933 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:30.776 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:31.779 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:31.780 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:31.790 DEBUG qcprludev10 p-value run time = 1.86795258522034
## 2023 10 06 14:35:31.791 DEBUG qcprludev10 p-value is 0.4785
## 2023 10 06 14:35:31.792 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:31.793 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:31.796 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:31.797 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:31.798 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:31.799 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:32.635 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:32.636 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:32.637 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC3
## 2023 10 06 14:35:32.642 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:32.643 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:32.712 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: ShipDate (69)
## 2023 10 06 14:35:32.714 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:32.715 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:32.716 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:35:32.717 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:32.718 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300, #
## 2023 10 06 14:35:32.719 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:32.720 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2, 3
## 2023 10 06 14:35:32.721 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 4
## 2023 10 06 14:35:32.722 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#59b300,#00b3b3,#
## 2023 10 06 14:35:32.723 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: ShipDate
## 2023 10 06 14:35:32.724 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:32.725 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:32.726 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:32.727 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:32.728 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:32.729 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:32.730 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:32.731 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:32.732 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandard
## 2023 10 06 14:35:32.733 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:32.734 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), r
## 2023 10 06 14:35:32.735 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: ShipDate (69) MB
## 2023 10 06 14:35:32.736 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect

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## 2023 10 06 14:35:32.825 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:32.827 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:32.828 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:32.829 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:32.830 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:32.831 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:32.832 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:32.833 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:32.834 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:32.835 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:32.836 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:32.837 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:32.838 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:32.839 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:32.840 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:32.841 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:32.842 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:32.843 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:32.844 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:32.845 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:32.846 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:32.847 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:32.848 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Componen
## 2023 10 06 14:35:32.849 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:32.850 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:32.876 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:32.877 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 3
## 2023 10 06 14:35:32.878 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/Batch
## 2023 10 06 14:35:32.879 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchE
## 2023 10 06 14:35:32.880 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 3
## 2023 10 06 14:35:32.881 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BE
## 2023 10 06 14:35:32.882 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:32.883 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:32.911 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:32.914 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca s
## 2023 10 06 14:35:32.915 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:35:32.916 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:32.918 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca s
## 2023 10 06 14:35:32.919 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samp
## 2023 10 06 14:35:32.920 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:32.921 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:32.922 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:32.923 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:32.924 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:32.925 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:32.925 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:32.926 DEBUG qcprludev10 length(theBatchIdsForSamples)= 69
## 2023 10 06 14:35:32.927 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:32.928 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:32.931 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:32.933 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:32.934 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))
## 2023 10 06 14:35:32.935 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:32.936 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)

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## 2023 10 06 14:35:32.937 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:32.938 DEBUG qcprludev10 2, 69
## 2023 10 06 14:35:32.939 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:32.940 DEBUG qcprludev10 69
## 2023 10 06 14:35:32.941 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:32.942 DEBUG qcprludev10 314
## 2023 10 06 14:35:32.942 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:32.943 DEBUG qcprludev10 2000
## 2023 10 06 14:35:32.944 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:32.945 DEBUG qcprludev10 5
## 2023 10 06 14:35:32.946 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:33.823 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:34.827 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:34.829 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:34.838 DEBUG qcprludev10 p-value run time = 1.90292501449585
## 2023 10 06 14:35:34.839 DEBUG qcprludev10 p-value is 0.461
## 2023 10 06 14:35:34.840 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:34.841 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:34.844 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:34.845 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:34.846 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:34.847 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:35.676 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:35.678 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:35.679 DEBUG qcprludev10 writePCAAnnotations - data PC1,PC4
## 2023 10 06 14:35:35.684 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:35.685 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:35.752 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: ShipDate (69)
## 2023 10 06 14:35:35.753 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:35.755 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:35.756 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:35:35.757 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:35.758 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300,
## 2023 10 06 14:35:35.758 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:35.759 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2, 3
## 2023 10 06 14:35:35.760 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 4
## 2023 10 06 14:35:35.761 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000, #59b300, #00b3b3, #
## 2023 10 06 14:35:35.762 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: ShipDate
## 2023 10 06 14:35:35.763 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:35.764 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:35.765 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:35.766 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:35.767 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:35.768 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:35.769 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:35.770 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:35.770 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:35.771 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:35.772 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), r
## 2023 10 06 14:35:35.773 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: ShipDate (69) MB
## 2023 10 06 14:35:35.774 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:35.861 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:35.862 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics

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## 2023 10 06 14:35:35.863 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:35.865 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:35.866 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:35.867 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:35.868 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:35.869 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:35.870 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:35.871 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:35.872 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:35.873 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:35.874 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:35.875 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:35.875 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:35.876 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:35.877 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:35.878 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:35.880 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:35.880 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:35.881 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:35.882 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:35.883 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Componen
## 2023 10 06 14:35:35.884 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:35.885 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:35.912 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:35.913 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 1 4
## 2023 10 06 14:35:35.914 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/Batch
## 2023 10 06 14:35:35.915 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchE
## 2023 10 06 14:35:35.916 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 1 4
## 2023 10 06 14:35:35.917 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BE
## 2023 10 06 14:35:35.918 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:35.919 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:35.947 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:35.949 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca s
## 2023 10 06 14:35:35.950 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samp
## 2023 10 06 14:35:35.951 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:35.953 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca s
## 2023 10 06 14:35:35.954 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samp
## 2023 10 06 14:35:35.955 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:35.956 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:35.957 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:35.958 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:35.959 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:35.960 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:35.961 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:35.962 DEBUG qcprludev10 length(theBatchIdsForSamples)= 69
## 2023 10 06 14:35:35.963 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:35.964 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:35.967 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:35.968 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:35.969 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))
## 2023 10 06 14:35:35.971 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:35.972 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:35.973 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:35.974 DEBUG qcprludev10 2, 69

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## 2023 10 06 14:35:35.974 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:35.975 DEBUG qcprludev10 69
## 2023 10 06 14:35:35.976 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:35.977 DEBUG qcprludev10 314
## 2023 10 06 14:35:35.978 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:35.979 DEBUG qcprludev10 2000
## 2023 10 06 14:35:35.980 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:35.981 DEBUG qcprludev10 5
## 2023 10 06 14:35:35.982 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:36.790 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:37.791 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:37.793 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:37.801 DEBUG qcprludev10 p-value run time = 1.8304660320282
## 2023 10 06 14:35:37.802 DEBUG qcprludev10 p-value is 0.5155
## 2023 10 06 14:35:37.804 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:37.805 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:37.808 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:37.809 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:37.810 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:37.812 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:38.740 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:38.742 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:38.743 DEBUG qcprludev10 writePCAAnnotations - data PC2,PC3
## 2023 10 06 14:35:38.748 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:38.749 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:38.818 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: ShipDate (69)
## 2023 10 06 14:35:38.820 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:38.821 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:38.822 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:35:38.824 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:38.824 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300,
## 2023 10 06 14:35:38.825 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:38.826 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2, 3
## 2023 10 06 14:35:38.827 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 4
## 2023 10 06 14:35:38.828 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#59b300,#00b3b3,#
## 2023 10 06 14:35:38.829 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: ShipDate
## 2023 10 06 14:35:38.830 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:38.831 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:38.832 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:38.833 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:38.834 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:38.835 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:38.836 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:38.837 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:38.838 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:38.839 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:38.839 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), r
## 2023 10 06 14:35:38.840 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: ShipDate (69) MB
## 2023 10 06 14:35:38.841 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:38.928 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:38.929 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:38.930 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:38.932 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP

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## 2023 10 06 14:35:38.933 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:38.933 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:38.934 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:38.935 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:38.936 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:38.937 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:38.938 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:38.939 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:38.940 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:38.941 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:38.942 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:38.943 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:38.944 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:38.945 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:38.946 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:38.947 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:38.948 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:38.948 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:38.949 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:35:38.950 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:38.951 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:38.978 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:38.979 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 2 3
## 2023 10 06 14:35:38.980 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:35:38.981 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:35:38.982 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 2 3
## 2023 10 06 14:35:38.983 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:38.983 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:38.984 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:39.013 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:39.015 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:35:39.016 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:35:39.017 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:39.019 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:35:39.020 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:35:39.021 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:39.022 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:39.023 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:39.024 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:39.025 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:39.026 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:39.026 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:39.027 DEBUG qcprludev10 length(theBatchIdsForSamples)= 69
## 2023 10 06 14:35:39.028 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:39.029 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:39.032 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:39.034 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:39.035 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:35:39.036 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:39.037 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:39.038 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:39.039 DEBUG qcprludev10 2, 69
## 2023 10 06 14:35:39.040 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:39.041 DEBUG qcprludev10 69

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## 2023 10 06 14:35:39.042 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:39.042 DEBUG qcprludev10 314
## 2023 10 06 14:35:39.043 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:39.044 DEBUG qcprludev10 2000
## 2023 10 06 14:35:39.045 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:39.046 DEBUG qcprludev10 5
## 2023 10 06 14:35:39.047 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:39.847 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:40.970 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:40.972 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:40.982 DEBUG qcprludev10 p-value run time = 1.9463894367218
## 2023 10 06 14:35:40.984 DEBUG qcprludev10 p-value is 0.4585
## 2023 10 06 14:35:40.985 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:40.986 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:40.988 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:40.989 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:40.990 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:40.991 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:41.841 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:41.842 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:41.846 DEBUG qcprludev10 writePCAAnnotations - data PC2,PC4
## 2023 10 06 14:35:41.851 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:41.852 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:41.924 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: ShipDate (69)
## 2023 10 06 14:35:41.926 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:41.927 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:41.928 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 2010-02-22 (35), 2010-02-22 (35)
## 2023 10 06 14:35:41.929 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:41.930 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300, #00B3B3, #B30000
## 2023 10 06 14:35:41.931 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:41.932 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2, 3
## 2023 10 06 14:35:41.933 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 4
## 2023 10 06 14:35:41.935 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#59b300,#00b3b3,#b30000
## 2023 10 06 14:35:41.936 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: ShipDate
## 2023 10 06 14:35:41.937 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:41.937 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:41.938 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:41.939 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:41.940 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:41.941 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:41.942 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:41.943 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:41.944 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, #59b300, #00b3b3, #b30000
## 2023 10 06 14:35:41.945 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, 1, 2, 3
## 2023 10 06 14:35:41.946 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), 2010-02-22 (35), 2010-02-22 (35)
## 2023 10 06 14:35:41.947 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: ShipDate (69) MBatch 2.0.3
## 2023 10 06 14:35:41.948 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:42.035 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:42.036 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:42.037 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:42.039 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:42.040 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:42.041 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14

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## 2023 10 06 14:35:42.042 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:42.043 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0
## 2023 10 06 14:35:42.044 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:42.045 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:42.046 DEBUG qcprludev10 mbatchStandardLegend - myColors
## 2023 10 06 14:35:42.047 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Dispersion Metrics
## 2023 10 06 14:35:42.048 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:42.049 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:42.050 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:42.051 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:42.052 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:42.053 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:42.054 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:42.055 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:42.056 DEBUG qcprludev10 mbatchStandardLegend - colorList =
## 2023 10 06 14:35:42.057 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:42.058 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = First PCA Component
## 2023 10 06 14:35:42.059 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Dispersion Metrics MBatch
## 2023 10 06 14:35:42.060 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:42.087 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:42.088 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle ALL 2 4
## 2023 10 06 14:35:42.089 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/BatchEffect
## 2023 10 06 14:35:42.091 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchEffect
## 2023 10 06 14:35:42.092 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = ALL 2 4
## 2023 10 06 14:35:42.093 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /BEA/BatchEffect
## 2023 10 06 14:35:42.094 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:42.095 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:42.122 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:42.124 DEBUG qcprludev10 doInternalPca before filter - Number of rownames for pca scores
## 2023 10 06 14:35:42.125 DEBUG qcprludev10 doInternalPca before filter - length of batch ids for samples
## 2023 10 06 14:35:42.126 DEBUG qcprludev10 doInternalPca - filtering batch size of 5
## 2023 10 06 14:35:42.129 DEBUG qcprludev10 doInternalPca after filter - Number of rownames for pca scores
## 2023 10 06 14:35:42.130 DEBUG qcprludev10 doInternalPca after filter - length of batch ids for samples
## 2023 10 06 14:35:42.131 DEBUG qcprludev10 doInternalPca - pvalueDSC
## 2023 10 06 14:35:42.132 DEBUG qcprludev10 pvalueDSC start
## 2023 10 06 14:35:42.133 DEBUG qcprludev10 pvalueDSC transpose
## 2023 10 06 14:35:42.134 DEBUG qcprludev10 pvalueDSC call pvalueDSCwithExcerpt
## 2023 10 06 14:35:42.135 DEBUG qcprludev10 pvalueDSCwithExcerpt start
## 2023 10 06 14:35:42.136 DEBUG qcprludev10 nrow(thePcaDataExcerpt)= 2
## 2023 10 06 14:35:42.137 DEBUG qcprludev10 ncol(thePcaDataExcerpt)= 69
## 2023 10 06 14:35:42.138 DEBUG qcprludev10 length(theBatchIdsForSamples)= 69
## 2023 10 06 14:35:42.139 DEBUG qcprludev10 getDSCwithExcerpt before Python
## 2023 10 06 14:35:42.140 DEBUG qcprludev10 getDSCwithExcerpt - import(mbatch.dsc.dsc_calc)
## 2023 10 06 14:35:42.143 DEBUG qcprludev10 getDSCwithExcerpt after Python
## 2023 10 06 14:35:42.145 DEBUG qcprludev10 pvalueDSCwithExcerpt after getDSCwithExcerpt
## 2023 10 06 14:35:42.147 DEBUG qcprludev10 pvalueDSCwithExcerpt length(unique(theBatchIdsForSamples))=
## 2023 10 06 14:35:42.148 DEBUG qcprludev10 pvalueDSCwithExcerpt call doDscPerms
## 2023 10 06 14:35:42.149 DEBUG qcprludev10 doDscPerms - import(mbatch.dsc.dsc_perm)
## 2023 10 06 14:35:42.150 DEBUG qcprludev10 doDscPerms thePcaDataExcerpt dim
## 2023 10 06 14:35:42.151 DEBUG qcprludev10 2, 69
## 2023 10 06 14:35:42.152 DEBUG qcprludev10 doDscPerms python_vector length
## 2023 10 06 14:35:42.153 DEBUG qcprludev10 69
## 2023 10 06 14:35:42.154 DEBUG qcprludev10 doDscPerms theSeed
## 2023 10 06 14:35:42.155 DEBUG qcprludev10 314

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## 2023 10 06 14:35:42.156 DEBUG qcprludev10 doDscPerms thePermutations
## 2023 10 06 14:35:42.157 DEBUG qcprludev10 2000
## 2023 10 06 14:35:42.158 DEBUG qcprludev10 doDscPerms theThreads
## 2023 10 06 14:35:42.159 DEBUG qcprludev10 5
## 2023 10 06 14:35:42.160 DEBUG qcprludev10 doDscPerms before Python
## 2023 10 06 14:35:43.097 DEBUG qcprludev10 doDscPerms after Python
## 2023 10 06 14:35:44.110 DEBUG qcprludev10 doDscPerms length(resultsList)= 2000
## 2023 10 06 14:35:44.112 DEBUG qcprludev10 pvalueDSCwithExcerpt length(permResults)= 2000
## 2023 10 06 14:35:44.122 DEBUG qcprludev10 p-value run time = 1.97422504425049
## 2023 10 06 14:35:44.123 DEBUG qcprludev10 p-value is 0.999
## 2023 10 06 14:35:44.124 DEBUG qcprludev10 pvalueDSCwithExcerpt 2222 length(permResults)= 2000
## 2023 10 06 14:35:44.125 DEBUG qcprludev10 pvalueDSCwithExcerpt PCA-PVALUE-DSC
## 2023 10 06 14:35:44.128 DEBUG qcprludev10 openAndWriteDscPermsFile -- start
## 2023 10 06 14:35:44.129 DEBUG qcprludev10 openAndWriteDscPermsFile -- redo name
## 2023 10 06 14:35:44.130 DEBUG qcprludev10 openAndWriteDscPermsFile -- check file
## 2023 10 06 14:35:44.130 DEBUG qcprludev10 openAndWriteDscPermsFile -- no file, write
## 2023 10 06 14:35:44.980 DEBUG qcprludev10 write PCA file direct 1 /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:44.981 DEBUG qcprludev10 writePCAAnnotations
## 2023 10 06 14:35:44.982 DEBUG qcprludev10 writePCAAnnotations - data PC3,PC4
## 2023 10 06 14:35:44.988 DEBUG qcprludev10 writePcaAnalysis_Image - Number of rownames for pca score
## 2023 10 06 14:35:44.989 DEBUG qcprludev10 writePcaAnalysis_Image - length of batch ids for samples

## 2023 10 06 14:35:45.058 DEBUG qcprludev10 mbatchStandardLegend - theTitle Points: ShipDate (69)
## 2023 10 06 14:35:45.059 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:45.061 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:45.062 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:35:45.063 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:45.064 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300, #
## 2023 10 06 14:35:45.065 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:45.066 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols 0, 1, 2, 3
## 2023 10 06 14:35:45.067 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 4
## 2023 10 06 14:35:45.068 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000, #59b300, #00b3b3, #
## 2023 10 06 14:35:45.068 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = Points: ShipDate
## 2023 10 06 14:35:45.069 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:45.070 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:45.071 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:45.072 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:45.073 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:45.074 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:45.075 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:45.076 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:45.077 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:45.078 DEBUG qcprludev10 mbatchStandardLegend - symbolList = 0, mbatchStandardLeger
## 2023 10 06 14:35:45.079 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), r
## 2023 10 06 14:35:45.080 DEBUG qcprludev10 mbatchStandardLegend - myTitle = Points: ShipDate (69) MB
## 2023 10 06 14:35:45.081 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:45.166 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:45.167 DEBUG qcprludev10 mbatchStandardLegend - theTitle Dispersion Metrics
## 2023 10 06 14:35:45.168 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:45.170 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:45.171 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames First PCA Component
## 2023 10 06 14:35:45.172 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 14
## 2023 10 06 14:35:45.172 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors
## 2023 10 06 14:35:45.173 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 0

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[illegible]

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## outdir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Hi
## theDataVersion=DATA_2022_09_21_0002
## theTestVersion=TEST_2022_10_13_0002

## 2023 10 06 14:35:45.264 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:45.265 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:35:45.266 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:35:45.267 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:35:45.268 DEBUG qcprludev10 rows pre filter 684
## 2023 10 06 14:35:45.383 DEBUG qcprludev10 rows post filter 684
## 2023 10 06 14:35:45.384 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had 684 while post
## 2023 10 06 14:35:45.385 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had 73 while post
## 2023 10 06 14:35:45.386 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:35:45.389 INFO qcprludev10 ~~~~~
## 2023 10 06 14:35:45.391 DEBUG qcprludev10 hierclust_outputGraphics
## 2023 10 06 14:35:45.392 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:45.393 DEBUG qcprludev10 hierclust_calc
## 2023 10 06 14:35:45.394 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:45.395 DEBUG qcprludev10 calculating HC
## 2023 10 06 14:35:45.400 DEBUG qcprludev10 hierclust_calc
## 2023 10 06 14:35:45.402 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:45.406 DEBUG qcprludev10 calculating HC
## 2023 10 06 14:35:45.446 DEBUG qcprludev10 checkCreateDir: /BEA/BatchEffectsPackage_data/testing_dyn
## 2023 10 06 14:35:45.448 DEBUG qcprludev10 createBatchEffectsOutput_hierclust RData output
## 2023 10 06 14:35:45.449 INFO qcprludev10 writeHCDataTSVs start
## 2023 10 06 14:35:45.450 INFO qcprludev10 writeHCDataTSVs udend
## 2023 10 06 14:35:45.451 INFO qcprludev10 writeHCDataTSVs HCData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:45.453 INFO qcprludev10 writeHCDataTSVs HCOOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:45.455 INFO qcprludev10 writeHCDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:45.457 INFO qcprludev10 writeHCDataTSVs done
## 2023 10 06 14:35:45.458 INFO qcprludev10 writeHCDataTSVs start
## 2023 10 06 14:35:45.458 INFO qcprludev10 writeHCDataTSVs udend
## 2023 10 06 14:35:45.459 INFO qcprludev10 writeHCDataTSVs HCData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:45.464 INFO qcprludev10 writeHCDataTSVs HCOOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:45.465 INFO qcprludev10 writeHCDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:45.468 INFO qcprludev10 writeHCDataTSVs done
## 2023 10 06 14:35:45.469 DEBUG qcprludev10 hierclust_draw
## 2023 10 06 14:35:45.470 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:45.501 DEBUG qcprludev10 writeTitleFile - pre title / Hierarchical Clustering
## 2023 10 06 14:35:45.502 DEBUG qcprludev10 writeTitleFile - theTitle / Hierarchical Clustering
## 2023 10 06 14:35:45.503 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:35:45.504 DEBUG qcprludev10 writeClusteringImage /BEA/BatchEffectsPackage_data/testing

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'

## 2023 10 06 14:35:45.607 DEBUG qcprludev10 writeIndividualLegend /BEA/BatchEffectsPackage_data/testing
## 2023 10 06 14:35:45.609 DEBUG qcprludev10 mbatchStandardLegend - theTitle BatchId
## 2023 10 06 14:35:45.610 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:45.611 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:45.612 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73

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## 2023 10 06 14:35:45.613 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:45.614 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #0066FF, #CCFF00, #
## 2023 10 06 14:35:45.615 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:45.616 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:45.617 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:45.618 DEBUG qcprludev10 mbatchStandardLegend - myColors #0066ff,#ccff00,#00ff66,#
## 2023 10 06 14:35:45.619 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = BatchId
## 2023 10 06 14:35:45.620 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:45.621 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:45.622 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:45.623 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:45.624 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:45.625 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:45.626 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:45.627 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:45.628 DEBUG qcprludev10 mbatchStandardLegend - colorList = #0066ff, mbatchStandard
## 2023 10 06 14:35:45.629 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:45.630 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:35:45.631 DEBUG qcprludev10 mbatchStandardLegend - myTitle = BatchId MBatch 2.0.3
## 2023 10 06 14:35:45.632 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:45.705 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:45.706 DEBUG qcprludev10 writeIndividualLegend /BEA/BatchEffectsPackage_data/testing
## 2023 10 06 14:35:45.708 DEBUG qcprludev10 mbatchStandardLegend - theTitle TSS
## 2023 10 06 14:35:45.710 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:45.711 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:45.712 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:35:45.713 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:35:45.714 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #0066FF, #00FF66
## 2023 10 06 14:35:45.715 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:35:45.717 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:45.718 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:45.719 DEBUG qcprludev10 mbatchStandardLegend - myColors #0066ff,#00ff66
## 2023 10 06 14:35:45.720 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = TSS
## 2023 10 06 14:35:45.721 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:45.722 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:45.723 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:45.724 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:45.725 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:45.726 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:45.727 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:45.728 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:45.729 DEBUG qcprludev10 mbatchStandardLegend - colorList = #0066ff, mbatchStandard
## 2023 10 06 14:35:45.730 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:45.731 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSt
## 2023 10 06 14:35:45.732 DEBUG qcprludev10 mbatchStandardLegend - myTitle = TSS MBatch 2.0.3
## 2023 10 06 14:35:45.733 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:45.778 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:45.779 DEBUG qcprludev10 writeIndividualLegend /BEA/BatchEffectsPackage_data/testing
## 2023 10 06 14:35:45.781 DEBUG qcprludev10 mbatchStandardLegend - theTitle ShipDate
## 2023 10 06 14:35:45.782 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:45.783 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:45.785 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:35:45.785 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 5
## 2023 10 06 14:35:45.786 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #0066FF, #CC00FF,

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## 2023 10 06 14:35:45.787 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 5
## 2023 10 06 14:35:45.788 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:45.789 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:45.790 DEBUG qcprludev10 mbatchStandardLegend - myColors #0066ff,#cc00ff,#ff0000,#
## 2023 10 06 14:35:45.791 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = ShipDate
## 2023 10 06 14:35:45.792 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:45.793 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:45.794 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:45.795 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:45.796 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:45.797 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:45.798 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:45.799 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:45.800 DEBUG qcprludev10 mbatchStandardLegend - colorList = #0066ff, mbatchStandard
## 2023 10 06 14:35:45.801 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:45.802 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35), r
## 2023 10 06 14:35:45.803 DEBUG qcprludev10 mbatchStandardLegend - myTitle = ShipDate MBatch 2.0.3
## 2023 10 06 14:35:45.803 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffects
## 2023 10 06 14:35:45.893 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:45.894 DEBUG qcprludev10 writeCombinedLegendHC /BEA/BatchEffectsPackage_data/testing
## 2023 10 06 14:35:45.896 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle / Hierarchical C
## 2023 10 06 14:35:45.897 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath /BEA/Batch
## 2023 10 06 14:35:45.898 DEBUG qcprludev10 mbatchStandardCombineLegends - theListOfFiles /BEA/BatchE
## 2023 10 06 14:35:45.899 DEBUG qcprludev10 mbatchStandardCombineLegends - theTitle UTF-8 = / Hierar
## 2023 10 06 14:35:45.900 DEBUG qcprludev10 mbatchStandardCombineLegends - theFilenamePath UTF-8 = /B
## 2023 10 06 14:35:45.901 DEBUG qcprludev10 mbatchStandardCombineLegends before Python
## 2023 10 06 14:35:45.902 DEBUG qcprludev10 mbatchStandardCombineLegends - import(mbatch.legend.legend)
## 2023 10 06 14:35:45.937 DEBUG qcprludev10 mbatchStandardCombineLegends after Python
## 2023 10 06 14:35:45.938 INFO qcprludev10 HierarchicalClustering_Structures dirVector= /BEA/BatchEffe
## 2023 10 06 14:35:45.939 INFO qcprludev10 HierarchicalClustering_Structures rdataFileSamples= /BEA/Ba
## 2023 10 06 14:35:45.940 INFO qcprludev10 HierarchicalClustering_Structures rdataFileFeatures= /BEA/B

## writeBatchDataTsvForBoxplot

## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Hierarchi

## writeAsGenericDataframe writeBatchDataTsvForBoxplot

## Writing BatchData.tsv now

## 2023 10 06 14:35:45.942 INFO qcprludev10 HierarchicalClustering_Structures done

## call callMBatch_SupervisedClustering_Structures

## 2023 10 06 14:35:45.944 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:45.945 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:35:45.946 INFO qcprludev10 mbatchTrimData Starting
## 2023 10 06 14:35:45.947 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:35:45.948 INFO qcprludev10 mbatchTrimData theMaxSize= 365000
## 2023 10 06 14:35:45.949 INFO qcprludev10 mbatchTrimData ncol(theMatrix)= 73
## 2023 10 06 14:35:45.950 INFO qcprludev10 mbatchTrimData nrow(theMatrix)= 684
## 2023 10 06 14:35:45.951 INFO qcprludev10 mbatchTrimData Finishing
## 2023 10 06 14:35:45.952 INFO qcprludev10 ~~~~~

## callMBatch_SupervisedClustering_Structures

## trim to same size as hierarchical 2

## 2023 10 06 14:35:45.954 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run

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## 2023 10 06 14:35:45.960 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:35:45.961 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:35:45.961 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:35:45.962 DEBUG qcprludev10 rows pre filter 684
## 2023 10 06 14:35:46.068 DEBUG qcprludev10 rows post filter 684
## 2023 10 06 14:35:46.070 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had 684 while post
## 2023 10 06 14:35:46.071 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had 73 while post
## 2023 10 06 14:35:46.073 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:35:46.074 INFO qcprludev10 ~~~~~
## 2023 10 06 14:35:46.075 INFO qcprludev10 createBatchEffectsOutput_SupervisedClustering_batches - bat
## 2023 10 06 14:35:46.077 INFO qcprludev10 makeBiasClust - starting
## 2023 10 06 14:35:46.165 INFO qcprludev10 makeBiasClust - dat dim = 684, makeBiasClust - dat dim =
## 2023 10 06 14:35:46.167 INFO qcprludev10 makeBiasClust - U.data dim = 680, makeBiasClust - U.data d
## 2023 10 06 14:35:46.168 INFO qcprludev10 makeBiasClust - biasedDend <- biasedClusterFunction
## 2023 10 06 14:35:46.174 INFO qcprludev10 makeBiasClust new.dis size - 73-73
## 2023 10 06 14:35:46.176 INFO qcprludev10 makeBiasClust orig - 73-73
## 2023 10 06 14:35:46.177 INFO qcprludev10 makeBiasClust is.na - 73-73
## 2023 10 06 14:35:46.178 INFO qcprludev10 makeBiasClust is.infinite - 73-73
## 2023 10 06 14:35:46.180 DEBUG qcprludev10 hierclust_calc
## 2023 10 06 14:35:46.181 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:46.183 DEBUG qcprludev10 calculating HC
## 2023 10 06 14:35:46.225 INFO qcprludev10 writeHCDataTSVs start
## 2023 10 06 14:35:46.227 INFO qcprludev10 writeHCDataTSVs udend
## 2023 10 06 14:35:46.228 INFO qcprludev10 writeHCDataTSVs HCData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:46.229 INFO qcprludev10 writeHCDataTSVs HCOOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:46.231 INFO qcprludev10 writeHCDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:46.232 INFO qcprludev10 writeHCDataTSVs done
## 2023 10 06 14:35:46.234 INFO qcprludev10 writeHCDataTSVs start
## 2023 10 06 14:35:46.234 INFO qcprludev10 writeHCDataTSVs udend
## 2023 10 06 14:35:46.235 INFO qcprludev10 writeHCDataTSVs HCData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:46.239 INFO qcprludev10 writeHCDataTSVs HCOOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:46.241 INFO qcprludev10 writeHCDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:46.244 INFO qcprludev10 writeHCDataTSVs done

## 2023 10 06 14:35:46.782 DEBUG qcprludev10 mbatchStandardLegend - theTitle BatchId
## 2023 10 06 14:35:46.783 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:46.785 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsPa
## 2023 10 06 14:35:46.786 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 42.83.0 (37), 43.73
## 2023 10 06 14:35:46.787 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 4
## 2023 10 06 14:35:46.788 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #59B300,
## 2023 10 06 14:35:46.789 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 4
## 2023 10 06 14:35:46.790 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:46.791 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:46.792 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#59b300,#00b3b3,#
## 2023 10 06 14:35:46.793 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = BatchId
## 2023 10 06 14:35:46.794 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:46.795 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:46.796 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:46.797 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:46.798 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:46.799 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:46.800 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:46.801 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:46.802 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar

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## 2023 10 06 14:35:46.803 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:46.804 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 42.83.0 (37), mba
## 2023 10 06 14:35:46.805 DEBUG qcprludev10 mbatchStandardLegend - myTitle = BatchId MBatch 2.0.3
## 2023 10 06 14:35:46.806 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffectsP
## 2023 10 06 14:35:46.877 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:46.879 INFO qcprludev10 createBatchEffectsOutput_SupervisedClustering_batches - bat
## 2023 10 06 14:35:46.880 INFO qcprludev10 makeBiasClust - starting
## 2023 10 06 14:35:46.940 INFO qcprludev10 makeBiasClust - dat dim = 684, makeBiasClust - dat dim =
## 2023 10 06 14:35:46.942 INFO qcprludev10 makeBiasClust - U.data dim = 680, makeBiasClust - U.data d
## 2023 10 06 14:35:46.943 INFO qcprludev10 makeBiasClust - biasedDend <- biasedClusterFunction
## 2023 10 06 14:35:46.948 INFO qcprludev10 makeBiasClust new.dis size - 73-73
## 2023 10 06 14:35:46.949 INFO qcprludev10 makeBiasClust orig - 73-73
## 2023 10 06 14:35:46.950 INFO qcprludev10 makeBiasClust is.na - 73-73
## 2023 10 06 14:35:46.951 INFO qcprludev10 makeBiasClust is.infinite - 73-73
## 2023 10 06 14:35:46.952 DEBUG qcprludev10 hierclust_calc
## 2023 10 06 14:35:46.953 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:46.955 DEBUG qcprludev10 calculating HC
## 2023 10 06 14:35:46.995 INFO qcprludev10 writeHCDDataTSVs start
## 2023 10 06 14:35:46.997 INFO qcprludev10 writeHCDDataTSVs ugend
## 2023 10 06 14:35:46.998 INFO qcprludev10 writeHCDDataTSVs HCDData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:46.999 INFO qcprludev10 writeHCDDataTSVs HCOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:47.001 INFO qcprludev10 writeHCDDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:47.002 INFO qcprludev10 writeHCDDataTSVs done
## 2023 10 06 14:35:47.003 INFO qcprludev10 writeHCDDataTSVs start
## 2023 10 06 14:35:47.004 INFO qcprludev10 writeHCDDataTSVs ugend
## 2023 10 06 14:35:47.005 INFO qcprludev10 writeHCDDataTSVs HCDData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:47.009 INFO qcprludev10 writeHCDDataTSVs HCOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:47.010 INFO qcprludev10 writeHCDDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:47.013 INFO qcprludev10 writeHCDDataTSVs done

## 2023 10 06 14:35:47.611 DEBUG qcprludev10 mbatchStandardLegend - theTitle TSS
## 2023 10 06 14:35:47.613 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:47.614 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:47.615 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames AF (10), AG (63)
## 2023 10 06 14:35:47.616 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 2
## 2023 10 06 14:35:47.617 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #00B3B3
## 2023 10 06 14:35:47.618 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 2
## 2023 10 06 14:35:47.619 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:47.620 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:47.621 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#00b3b3
## 2023 10 06 14:35:47.622 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = TSS
## 2023 10 06 14:35:47.623 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:47.624 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:47.625 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:47.626 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:47.627 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:47.628 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:47.629 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:47.630 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:47.631 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:47.632 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:47.633 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = AF (10), mbatchSt
## 2023 10 06 14:35:47.634 DEBUG qcprludev10 mbatchStandardLegend - myTitle = TSS MBatch 2.0.3
## 2023 10 06 14:35:47.635 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffects

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## 2023 10 06 14:35:47.680 DEBUG qcprludev10 mbatchStandardLegend after Python
## 2023 10 06 14:35:47.683 INFO qcprludev10 createBatchEffectsOutput_SupervisedClustering_batches - bat
## 2023 10 06 14:35:47.684 INFO qcprludev10 makeBiasClust - starting
## 2023 10 06 14:35:47.750 INFO qcprludev10 makeBiasClust - dat dim = 684, makeBiasClust - dat dim =
## 2023 10 06 14:35:47.752 INFO qcprludev10 makeBiasClust - U.data dim = 680, makeBiasClust - U.data d
## 2023 10 06 14:35:47.753 INFO qcprludev10 makeBiasClust - biasedDend <- biasedClusterFunction
## 2023 10 06 14:35:47.759 INFO qcprludev10 makeBiasClust new.dis size - 73-73
## 2023 10 06 14:35:47.760 INFO qcprludev10 makeBiasClust orig - 73-73
## 2023 10 06 14:35:47.762 INFO qcprludev10 makeBiasClust is.na - 73-73
## 2023 10 06 14:35:47.763 INFO qcprludev10 makeBiasClust is.infinite - 73-73
## 2023 10 06 14:35:47.764 DEBUG qcprludev10 hierclust_calc
## 2023 10 06 14:35:47.765 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:47.767 DEBUG qcprludev10 calculating HC
## 2023 10 06 14:35:47.808 INFO qcprludev10 writeHCDataTSVs start
## 2023 10 06 14:35:47.809 INFO qcprludev10 writeHCDataTSVs ugend
## 2023 10 06 14:35:47.810 INFO qcprludev10 writeHCDataTSVs HCData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:47.812 INFO qcprludev10 writeHCDataTSVs HCOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:47.814 INFO qcprludev10 writeHCDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:47.815 INFO qcprludev10 writeHCDataTSVs done
## 2023 10 06 14:35:47.817 INFO qcprludev10 writeHCDataTSVs start
## 2023 10 06 14:35:47.818 INFO qcprludev10 writeHCDataTSVs ugend
## 2023 10 06 14:35:47.819 INFO qcprludev10 writeHCDataTSVs HCData= /BEA/BatchEffectsPackage_data/testi
## 2023 10 06 14:35:47.822 INFO qcprludev10 writeHCDataTSVs HCOrder= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:35:47.824 INFO qcprludev10 writeHCDataTSVs rdataFile= /BEA/BatchEffectsPackage_data/te
## 2023 10 06 14:35:47.827 INFO qcprludev10 writeHCDataTSVs done

## 2023 10 06 14:35:48.383 DEBUG qcprludev10 mbatchStandardLegend - theTitle ShipDate
## 2023 10 06 14:35:48.384 DEBUG qcprludev10 mbatchStandardLegend - theVersion MBatch 2.0.3
## 2023 10 06 14:35:48.385 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath /BEA/BatchEffectsP
## 2023 10 06 14:35:48.387 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames 2010-02-22 (35), 20
## 2023 10 06 14:35:48.388 DEBUG qcprludev10 mbatchStandardLegend - theLegendNames length 5
## 2023 10 06 14:35:48.389 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors #B30000, #8FB300,
## 2023 10 06 14:35:48.390 DEBUG qcprludev10 mbatchStandardLegend - theLegendColors length 5
## 2023 10 06 14:35:48.391 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols
## 2023 10 06 14:35:48.392 DEBUG qcprludev10 mbatchStandardLegend - theLegendSymbols length 0
## 2023 10 06 14:35:48.393 DEBUG qcprludev10 mbatchStandardLegend - myColors #b30000,#8fb300,#00b347,#
## 2023 10 06 14:35:48.394 DEBUG qcprludev10 mbatchStandardLegend - theTitle UTF-8 = ShipDate
## 2023 10 06 14:35:48.396 DEBUG qcprludev10 mbatchStandardLegend - theVersion UTF-8 = MBatch 2.0.3
## 2023 10 06 14:35:48.397 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath UTF-8 = /BEA/Batch
## 2023 10 06 14:35:48.398 DEBUG qcprludev10 mbatchStandardLegend before Python
## 2023 10 06 14:35:48.399 DEBUG qcprludev10 mbatchStandardLegend - getGlobalMBatchEnv() = /BEA/gendev
## 2023 10 06 14:35:48.400 DEBUG qcprludev10 mbatchStandardLegend - import(mbatch.legend.legend)
## 2023 10 06 14:35:48.401 DEBUG qcprludev10 mbatchStandardLegend - after import
## 2023 10 06 14:35:48.402 DEBUG qcprludev10 mbatchStandardLegend - after color list
## 2023 10 06 14:35:48.403 DEBUG qcprludev10 mbatchStandardLegend - after symbol list
## 2023 10 06 14:35:48.404 DEBUG qcprludev10 mbatchStandardLegend - colorList = #b30000, mbatchStandar
## 2023 10 06 14:35:48.405 DEBUG qcprludev10 mbatchStandardLegend - symbolList =
## 2023 10 06 14:35:48.406 DEBUG qcprludev10 mbatchStandardLegend - legendNameList = 2010-02-22 (35),
## 2023 10 06 14:35:48.407 DEBUG qcprludev10 mbatchStandardLegend - myTitle = ShipDate MBatch 2.0.3
## 2023 10 06 14:35:48.408 DEBUG qcprludev10 mbatchStandardLegend - theFilenamePath = /BEA/BatchEffect
## 2023 10 06 14:35:48.496 DEBUG qcprludev10 mbatchStandardLegend after Python

## title

## myBatchType BatchId

```

```

## theShaidyMapGen /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/exe/S
## theNgchmWidgetJs /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/exe/1
## theShaidyMapGenJava /software/x86_64/JDK/1.8.0_25/bin/java
## dim(myMBatchData@mBatches) 734
## trim to same size as hierarchical 3
## matrixFile /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/S
## dim(myMatrix) 68073
## colDend /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/S
## rowDend /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/S
## MBatchUtils BEA_VERSION_TIMESTAMP
## buildBatchHeatMapFromHC_Structures
## [1] "_BatchIdSupervisedClustering"
## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## theMatrixData size 680 73
## theBatchData size 73 4
## original row names
## 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"
## reduce size before transforming and calling NGCHM calculations
## theMatrixData resized to 680 73
## compute row clusters
## theRowCluster[1]=pearson
## theRowCluster[2]=ward.D2
## hierClustForNgchmCalc
## Changing LC_COLLATE to C for duration of run
## calculating HC
## cast as.dendrogram
## compute col clusters
## theColDendRDataFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## use pre-calc HC clustering
## theColDendRDataFile
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## theRowDendRDataFile
##
## rownames count
## 680

```

```

## colnames count
## 73
## duplicate rownames theMatrixData before linkout
## 0
## duplicate colnames theMatrixData before linkout
## 0
## duplicate rownames theMatrixData after linkout
## 0
## duplicate colnames theMatrixData after linkout
## 0
## make colormapBreaks
## breakpoints=-2.84873381095157, 0, 2.66260350217504
## breakpoints=-5.28659007317934, -2.79508000469324, -0.344527856511292
##          5%          50%          95%
## -2.848734  0.000000  2.662604
##          5%          50%          95%
## -5.2865901 -2.7950800 -0.3445279
## make color map
## make data layer
## duplicate rownames
## 0
## duplicate colnames
## 0
## centered col names
## 73
## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"
## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"
## centered row names
## 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"
## original col names
## [1] 73
## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"

```

```

## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"
## original row names
## [1] 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"
## make CHM
## theRowType
## NA
## theColType
## NA
## add caption
## add covariates
## Sample
## BatchId
## 73
## covariate length 73
## TSS
## 73
## covariate length 73
## ShipDate
## 73
## covariate length 73
## Set Environment LC_CTYPE=en_US.UTF-8
## chmExportToHTML 3
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## 2023 10 06 14:35:49.295 DEBUG qcprludev10 writeTitleFile - pre title / BatchId Supervised Clustering
## 2023 10 06 14:35:49.297 DEBUG qcprludev10 writeTitleFile - theTitle / BatchId Supervised Clustering
## 2023 10 06 14:35:49.298 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## chmExportToFile
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'

```

```

## title
## myBatchType TSS
## theShaidyMapGen /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/exe/S
## theNgchmWidgetJs /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/exe/1
## theShaidyMapGenJava /software/x86_64/JDK/1.8.0_25/bin/java
## dim(myMbatchData@mBatches) 734
## trim to same size as hierarchical 3
## matrixFile /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## dim(myMatrix) 68073
## colDend /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## rowDend /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## MBatchUtils BEA_VERSION_TIMESTAMP
## buildBatchHeatMapFromHC_Structures
## [1] "_TSSSupervisedClustering"
## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/SupervisedClustering"
## theMatrixData size 680 73
## theBatchData size 73 4
## original row names
## 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"
## reduce size before transforming and calling NGCHM calculations
## theMatrixData resized to 680 73
## compute row clusters
## theRowCluster[1]=pearson
## theRowCluster[2]=ward.D2
## hierClustForNgchmCalc
## Changing LC_COLLATE to C for duration of run
## calculating HC
## cast as.dendrogram
## compute col clusters
## theColDendRDataFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## use pre-calc HC clustering
## theColDendRDataFile
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/SupervisedClustering
## theRowDendRDataFile
##

```

```

## rownames count
## 680
## colnames count
## 73
## duplicate rownames theMatrixData before linkout
## 0
## duplicate colnames theMatrixData before linkout
## 0
## duplicate rownames theMatrixData after linkout
## 0
## duplicate colnames theMatrixData after linkout
## 0
## make colormapBreaks
## breakpoints=-2.84873381095157, 0, 2.66260350217504
## breakpoints=-5.28659007317934, -2.79508000469324, -0.344527856511292
##      5%      50%      95%
## -2.848734  0.000000  2.662604
##      5%      50%      95%
## -5.2865901 -2.7950800 -0.3445279
## make color map
## make data layer
## duplicate rownames
## 0
## duplicate colnames
## 0
## centered col names
## 73
## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"
## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"
## centered row names
## 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"
## original col names

```



```

## [1] 73
## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"
## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"

## original row names
## [1] 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"

## make CHM
## theRowType
## NA
## theColType
## NA
## add caption
## add covariates
## Sample
## BatchId
## 73
## covariate length 73
## TSS
## 73
## covariate length 73
## ShipDate
## 73
## covariate length 73
## Set Environment LC_CTYPE=en_US.UTF-8
## chmExportToHTML 3
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## 2023 10 06 14:35:53.909 DEBUG qcprludev10 writeTitleFile - pre title / TSS Supervised Clustering
## 2023 10 06 14:35:53.910 DEBUG qcprludev10 writeTitleFile - theTitle / TSS Supervised Clustering
## 2023 10 06 14:35:53.911 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## chmExportToFile
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'

```

```

## Also defined by 'NGCHM'
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## title
## myBatchType ShipDate
## theShaidyMapGen /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/exe/S
## theNgchmWidgetJs /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/exe/
## theShaidyMapGenJava /software/x86_64/JDK/1.8.0_25/bin/java
## dim(myMBatchData@mBatches) 734
## trim to same size as hierarchical 3
## matrixFile /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis
## dim(myMatrix) 68073
## colDend /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/S
## rowDend /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/S
## MBatchUtils BEA_VERSION_TIMESTAMP
## buildBatchHeatMapFromHC_Structures
## [1] "_ShipDateSupervisedClustering"
## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supe
## theMatrixData size 680 73
## theBatchData size 73 4
## original row names
## 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"
## reduce size before transforming and calling NGCHM calculations
## theMatrixData resized to 680 73
## compute row clusters
## theRowCluster[1]=pearson
## theRowCluster[2]=ward.D2
## hierClustForNgchmCalc
## Changing LC_COLLATE to C for duration of run
## calculating HC
## cast as.dendrogram
## compute col clusters
## theColDendRDataFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS
## use pre-calc HC clustering
## theColDendRDataFile

```

```

## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervise
## theRowDendRDataFile
##
## rownames count
## 680
## colnames count
## 73
## duplicate rownames theMatrixData before linkout
## 0
## duplicate colnames theMatrixData before linkout
## 0
## duplicate rownames theMatrixData after linkout
## 0
## duplicate colnames theMatrixData after linkout
## 0
## make colormapBreaks
## breakpoints=-2.84873381095157, 0, 2.66260350217504
## breakpoints=-5.28659007317934, -2.79508000469324, -0.344527856511292
##      5%      50%      95%
## -2.848734  0.000000  2.662604
##      5%      50%      95%
## -5.2865901 -2.7950800 -0.3445279
## make color map
## make data layer
## duplicate rownames
## 0
## duplicate colnames
## 0
## centered col names
## 73
## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"
## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"
## centered row names
## 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"

```

```

## original col names
## [1] 73
## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"
## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"

## original row names
## [1] 680
## [1] "cg00003994" "cg00044245" "cg00096922" "cg00116234" "cg00117172"
## [6] "cg00250430" "cg00263760" "cg00290506" "cg00332153" "cg00338702"

## make CHM
## theRowType
## NA
## theColType
## NA
## add caption
## add covariates
## Sample
## BatchId
## 73
## covariate length 73
## TSS
## 73
## covariate length 73
## ShipDate
## 73
## covariate length 73
## Set Environment LC_CTYPE=en_US.UTF-8
## chmExportToHTML 3
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Supervised
## 2023 10 06 14:35:56.995 DEBUG qcprludev10 writeTitleFile - pre title / ShipDate Supervised Clusteri
## 2023 10 06 14:35:56.997 DEBUG qcprludev10 writeTitleFile - theTitle / ShipDate Supervised Clusteri
## 2023 10 06 14:35:56.998 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## chmExportToFile

```

```

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'
## call callMBatch_BoxplotAllSamplesData_Structures
## [1] "call callMBatch_BoxplotAllSamplesData_Structures"
## 2023 10 06 14:35:59.558 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:59.560 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:35:59.561 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:35:59.562 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:35:59.563 DEBUG qcprludev10 rows pre filter 684
## 2023 10 06 14:35:59.708 DEBUG qcprludev10 rows post filter 684
## 2023 10 06 14:35:59.709 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had 684 while post
## 2023 10 06 14:35:59.711 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had 73 while post
## 2023 10 06 14:35:59.712 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:35:59.716 INFO qcprludev10 ~~~~~
## 2023 10 06 14:35:59.717 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:35:59.718 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:35:59.719 INFO qcprludev10 mbatchTrimData Starting
## 2023 10 06 14:35:59.721 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:35:59.722 INFO qcprludev10 mbatchTrimData theMaxSize= 365000
## 2023 10 06 14:35:59.723 INFO qcprludev10 mbatchTrimData ncol(theMatrix)= 73
## 2023 10 06 14:35:59.724 INFO qcprludev10 mbatchTrimData nrow(theMatrix)= 684
## 2023 10 06 14:35:59.725 INFO qcprludev10 mbatchTrimData Finishing
## 2023 10 06 14:35:59.728 INFO qcprludev10 ~~~~~
## 2023 10 06 14:35:59.729 DEBUG qcprludev10 dim(theMatrixGeneData) 684, dim(theMatrixGeneData) 73
## 2023 10 06 14:35:59.730 DEBUG qcprludev10 length(colnames(theMatrixGeneData)) 73
## 2023 10 06 14:35:59.731 DEBUG qcprludev10 length(rownames(theMatrixGeneData)) 684
## 2023 10 06 14:35:59.732 DEBUG qcprludev10 dim(theDataframeBatchData) 73, dim(theDataframeBatchData) 4
## 2023 10 06 14:35:59.733 DEBUG qcprludev10 length(names(theDataframeBatchData)) 4
## 2023 10 06 14:35:59.734 DEBUG qcprludev10 batchSizeName = BatchId
## 2023 10 06 14:35:59.735 DEBUG qcprludev10 theBatchType= BatchId
## 2023 10 06 14:35:59.737 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:35:59.738 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 684
## 2023 10 06 14:35:59.739 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 73
## 2023 10 06 14:35:59.740 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot AllSample-Data Batch
## 2023 10 06 14:35:59.741 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot AllSample-Data Batch
## 2023 10 06 14:35:59.742 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:35:59.743 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:35:59.745 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:35:59.746 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:35:59.773 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:35:59.775 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:35:59.806 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:35:59.831 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:35:59.869 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:35:59.871 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:35:59.872 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:35:59.976 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:35:59.978 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:35:59.979 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPacka

```

```

## 2023 10 06 14:35:59.991 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile
## 2023 10 06 14:35:59.993 DEBUG qcprludev10 batchTypeName = TSS
## 2023 10 06 14:35:59.994 DEBUG qcprludev10 theBatchType= TSS
## 2023 10 06 14:35:59.995 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPackagePacl
## 2023 10 06 14:35:59.996 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 684
## 2023 10 06 14:35:59.997 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 73
## 2023 10 06 14:35:59.999 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot AllSample-Data TSS
## 2023 10 06 14:36:00.001 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot AllSample-Data TSS
## 2023 10 06 14:36:00.003 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:00.005 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:00.006 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:00.008 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPackag
## 2023 10 06 14:36:00.045 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:00.047 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:00.083 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:00.090 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:00.136 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:00.138 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:00.139 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:00.217 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:00.218 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:36:00.219 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:00.229 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile
## 2023 10 06 14:36:00.230 DEBUG qcprludev10 batchTypeName = ShipDate
## 2023 10 06 14:36:00.232 DEBUG qcprludev10 theBatchType= ShipDate
## 2023 10 06 14:36:00.233 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:00.234 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 684
## 2023 10 06 14:36:00.235 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 73
## 2023 10 06 14:36:00.236 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot AllSample-Data Ship
## 2023 10 06 14:36:00.237 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot AllSample-Data ShipD
## 2023 10 06 14:36:00.238 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:00.240 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:00.241 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:00.242 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPackag
## 2023 10 06 14:36:00.267 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:00.269 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:00.297 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:00.306 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:00.344 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:00.345 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:00.346 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:00.437 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:00.438 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:36:00.440 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:00.452 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile

## writeBatchDataTsvForBoxplot

## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/BoxPlot/A
## writeAsGenericDataframe writeBatchDataTsvForBoxplot

## Writing BatchData.tsv now

## call callMBatch_BoxplotAllSamplesRLE_Structures

```

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## [1] "call callMBatch_BoxplotAllSamplesRLE_Structures"
## 2023 10 06 14:36:00.456 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:36:00.457 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:36:00.458 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:36:00.459 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:36:00.461 DEBUG qcprludev10 rows pre filter 684
## 2023 10 06 14:36:00.611 DEBUG qcprludev10 rows post filter 684
## 2023 10 06 14:36:00.612 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had 684 while post
## 2023 10 06 14:36:00.614 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had 73 while post
## 2023 10 06 14:36:00.615 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:36:00.616 INFO qcprludev10 ~~~~~
## 2023 10 06 14:36:00.617 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:36:00.618 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:36:00.619 INFO qcprludev10 mbatchTrimData Starting
## 2023 10 06 14:36:00.620 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:36:00.622 INFO qcprludev10 mbatchTrimData theMaxSize= 365000
## 2023 10 06 14:36:00.623 INFO qcprludev10 mbatchTrimData ncol(theMatrix)= 73
## 2023 10 06 14:36:00.624 INFO qcprludev10 mbatchTrimData nrow(theMatrix)= 684
## 2023 10 06 14:36:00.625 INFO qcprludev10 mbatchTrimData Finishing
## 2023 10 06 14:36:00.626 INFO qcprludev10 ~~~~~
## 2023 10 06 14:36:00.627 DEBUG qcprludev10 createBatchEffectsOutput_BoxPlot_AllSamplerLE - theOutputD
## 2023 10 06 14:36:00.628 DEBUG qcprludev10 dim(theMatrixGeneData) 684, dim(theMatrixGeneData) 73
## 2023 10 06 14:36:00.629 DEBUG qcprludev10 length(colnames(theMatrixGeneData)) 73
## 2023 10 06 14:36:00.630 DEBUG qcprludev10 length(rownames(theMatrixGeneData)) 684
## 2023 10 06 14:36:00.631 DEBUG qcprludev10 dim(theDataframeBatchData) 73, dim(theDataframeBatchData) 4
## 2023 10 06 14:36:00.632 DEBUG qcprludev10 length(names(theDataframeBatchData)) 4
## 2023 10 06 14:36:00.634 DEBUG qcprludev10 batchSizeName = BatchId
## 2023 10 06 14:36:00.635 DEBUG qcprludev10 theBatchType= BatchId
## 2023 10 06 14:36:00.636 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:00.637 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 684
## 2023 10 06 14:36:00.638 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 73
## 2023 10 06 14:36:00.640 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot AllSample-RLE Batch
## 2023 10 06 14:36:00.641 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot AllSample-RLE BatchI
## 2023 10 06 14:36:00.642 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:00.643 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:00.644 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:00.645 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:00.672 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:00.673 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:00.702 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:00.710 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:00.749 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:00.750 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:00.751 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:00.859 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:00.861 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:36:00.862 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:00.874 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile
## 2023 10 06 14:36:00.876 DEBUG qcprludev10 batchSizeName = TSS
## 2023 10 06 14:36:00.877 DEBUG qcprludev10 theBatchType= TSS
## 2023 10 06 14:36:00.878 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:00.879 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 684
## 2023 10 06 14:36:00.880 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 73

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## 2023 10 06 14:36:00.882 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot AllSample-RLE TSS
## 2023 10 06 14:36:00.883 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot AllSample-RLE TSS
## 2023 10 06 14:36:00.884 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:00.885 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:00.887 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:00.888 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:00.920 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:00.922 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:00.962 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:00.970 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:01.009 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.010 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:01.011 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:01.094 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:01.095 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:36:01.096 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:01.108 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile
## 2023 10 06 14:36:01.110 DEBUG qcprludev10 batchSizeName = ShipDate
## 2023 10 06 14:36:01.111 DEBUG qcprludev10 theBatchType= ShipDate
## 2023 10 06 14:36:01.112 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:01.113 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 684
## 2023 10 06 14:36:01.114 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 73
## 2023 10 06 14:36:01.115 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot AllSample-RLE ShipDa
## 2023 10 06 14:36:01.116 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot AllSample-RLE ShipDa
## 2023 10 06 14:36:01.117 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:01.118 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.119 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:01.120 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:01.146 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:01.147 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:01.173 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:01.182 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:01.221 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.222 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:01.223 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:01.295 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:01.296 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:36:01.297 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:01.307 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile

## writeBatchDataTsvForBoxplot

## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/BoxPlot/A
## writeAsGenericDataframe writeBatchDataTsvForBoxplot

## Writing BatchData.tsv now

## call callMBatch_BoxplotGroup_Structures

## [1] "call callMBatch_BoxplotGroup_Structures"
## 2023 10 06 14:36:01.310 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:36:01.311 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:36:01.312 INFO qcprludev10 mbatchFilterData Starting
## 2023 10 06 14:36:01.313 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:36:01.314 DEBUG qcprludev10 rows pre filter 684

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## 2023 10 06 14:36:01.480 DEBUG qcprludev10 rows post filter 684
## 2023 10 06 14:36:01.482 DEBUG qcprludev10 mbatchFilterData Prefilter, gene data had 684 while post
## 2023 10 06 14:36:01.484 DEBUG qcprludev10 mbatchFilterData Prefilter, batch data had 73 while post
## 2023 10 06 14:36:01.485 INFO qcprludev10 mbatchFilterData Finishing
## 2023 10 06 14:36:01.486 INFO qcprludev10 ~~~~~
## 2023 10 06 14:36:01.487 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:36:01.488 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:36:01.489 INFO qcprludev10 mbatchTrimData Starting
## 2023 10 06 14:36:01.490 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:36:01.491 INFO qcprludev10 mbatchTrimData theMaxSize= 365000
## 2023 10 06 14:36:01.492 INFO qcprludev10 mbatchTrimData ncol(theMatrix)= 73
## 2023 10 06 14:36:01.493 INFO qcprludev10 mbatchTrimData nrow(theMatrix)= 684
## 2023 10 06 14:36:01.494 INFO qcprludev10 mbatchTrimData Finishing
## 2023 10 06 14:36:01.495 INFO qcprludev10 ~~~~~
## 2023 10 06 14:36:01.496 DEBUG qcprludev10 groupFunction
## 2023 10 06 14:36:01.497 DEBUG qcprludev10 dim(theMatrixGeneData) 684, dim(theMatrixGeneData) 73
## 2023 10 06 14:36:01.498 DEBUG qcprludev10 length(colnames(theMatrixGeneData)) 73
## 2023 10 06 14:36:01.499 DEBUG qcprludev10 length(rownames(theMatrixGeneData)) 684
## 2023 10 06 14:36:01.500 DEBUG qcprludev10 dim(theDataframeBatchData) 73, dim(theDataframeBatchData) 4
## 2023 10 06 14:36:01.501 DEBUG qcprludev10 length(names(theDataframeBatchData)) 4
## 2023 10 06 14:36:01.502 DEBUG qcprludev10 groupLabel = Mean
## 2023 10 06 14:36:01.503 DEBUG qcprludev10 batchTypeName = BatchId
## 2023 10 06 14:36:01.504 DEBUG qcprludev10 buildGroupMatrix - dim(theDataMatrix)[1]= 684
## 2023 10 06 14:36:01.505 DEBUG qcprludev10 buildGroupMatrix - dim(theDataMatrix)[2]= 73
## 2023 10 06 14:36:01.506 DEBUG qcprludev10 buildGroupMatrix - dim(theBatchDF)[1]= 73
## 2023 10 06 14:36:01.507 DEBUG qcprludev10 buildGroupMatrix - dim(theBatchDF)[2]= 4
## 2023 10 06 14:36:01.508 DEBUG qcprludev10 buildGroupMatrix theBatchType= BatchId
## 2023 10 06 14:36:01.509 DEBUG qcprludev10 buildGroupMatrix fullBatchList= 73
## 2023 10 06 14:36:01.510 DEBUG qcprludev10 buildGroupMatrix batchSize= 4
## 2023 10 06 14:36:01.511 DEBUG qcprludev10 buildGroupMatrix sampleIdList= 73
## 2023 10 06 14:36:01.514 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:01.515 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 73
## 2023 10 06 14:36:01.516 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 4
## 2023 10 06 14:36:01.518 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot Group-Mean BatchId
## 2023 10 06 14:36:01.519 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot Group-Mean BatchId
## 2023 10 06 14:36:01.520 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:01.521 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.522 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:01.523 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPackag
## 2023 10 06 14:36:01.525 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:01.527 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:01.531 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:01.533 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:01.545 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.547 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:01.547 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:01.553 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:01.554 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:36:01.554 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:01.556 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile
## 2023 10 06 14:36:01.557 DEBUG qcprludev10 batchTypeName = TSS
## 2023 10 06 14:36:01.558 DEBUG qcprludev10 buildGroupMatrix - dim(theDataMatrix)[1]= 684
## 2023 10 06 14:36:01.559 DEBUG qcprludev10 buildGroupMatrix - dim(theDataMatrix)[2]= 73
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## 2023 10 06 14:36:01.560 DEBUG qcprludev10 buildGroupMatrix - dim(theBatchDF)[1]= 73
## 2023 10 06 14:36:01.561 DEBUG qcprludev10 buildGroupMatrix - dim(theBatchDF)[2]= 4
## 2023 10 06 14:36:01.562 DEBUG qcprludev10 buildGroupMatrix theBatchType= TSS
## 2023 10 06 14:36:01.563 DEBUG qcprludev10 buildGroupMatrix fullBatchList= 73
## 2023 10 06 14:36:01.564 DEBUG qcprludev10 buildGroupMatrix batchNameList= 2
## 2023 10 06 14:36:01.565 DEBUG qcprludev10 buildGroupMatrix sampleIdList= 73
## 2023 10 06 14:36:01.568 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:01.569 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 73
## 2023 10 06 14:36:01.570 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 2
## 2023 10 06 14:36:01.571 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot Group-Mean TSS
## 2023 10 06 14:36:01.572 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot Group-Mean TSS
## 2023 10 06 14:36:01.573 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:01.574 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.575 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:01.576 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:01.578 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:01.579 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:01.583 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:01.584 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:01.597 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.598 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:01.599 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:01.602 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:01.603 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile
## 2023 10 06 14:36:01.604 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:01.606 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile
## 2023 10 06 14:36:01.607 DEBUG qcprludev10 batchTypeName = ShipDate
## 2023 10 06 14:36:01.607 DEBUG qcprludev10 buildGroupMatrix - dim(theDataMatrix)[1]= 684
## 2023 10 06 14:36:01.608 DEBUG qcprludev10 buildGroupMatrix - dim(theDataMatrix)[2]= 73
## 2023 10 06 14:36:01.609 DEBUG qcprludev10 buildGroupMatrix - dim(theBatchDF)[1]= 73
## 2023 10 06 14:36:01.610 DEBUG qcprludev10 buildGroupMatrix - dim(theBatchDF)[2]= 4
## 2023 10 06 14:36:01.611 DEBUG qcprludev10 buildGroupMatrix theBatchType= ShipDate
## 2023 10 06 14:36:01.612 DEBUG qcprludev10 buildGroupMatrix fullBatchList= 73
## 2023 10 06 14:36:01.613 DEBUG qcprludev10 buildGroupMatrix batchNameList= 5
## 2023 10 06 14:36:01.614 DEBUG qcprludev10 buildGroupMatrix sampleIdList= 73
## 2023 10 06 14:36:01.617 DEBUG qcprludev10 calcAndWriteBoxplot - theBoxDataFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:01.618 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[1]= 73
## 2023 10 06 14:36:01.619 DEBUG qcprludev10 calcAndWriteBoxplot - dim(theData)[2]= 5
## 2023 10 06 14:36:01.620 DEBUG qcprludev10 writeTitleFile - pre title / Boxplot Group-Mean ShipDate
## 2023 10 06 14:36:01.621 DEBUG qcprludev10 writeTitleFile - theTitle / Boxplot Group-Mean ShipDate
## 2023 10 06 14:36:01.622 DEBUG qcprludev10 writeTitleFile - titleFile /BEA/BatchEffectsPackage_data/
## 2023 10 06 14:36:01.623 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.624 DEBUG qcprludev10 calcAndWriteBoxDataFile theFile= /BEA/BatchEffectsPackage_
## 2023 10 06 14:36:01.625 DEBUG qcprludev10 calcAndWriteBoxDataFile thePngFile= /BEA/BatchEffectsPacka
## 2023 10 06 14:36:01.628 DEBUG qcprludev10 calcAndWriteBoxDataFile CairoPNG= /BEA/BatchEffectsPackage
## 2023 10 06 14:36:01.629 DEBUG qcprludev10 calcAndWriteBoxDataFile call boxplot

## 2023 10 06 14:36:01.634 DEBUG qcprludev10 calcAndWriteBoxDataFile call text
## 2023 10 06 14:36:01.635 DEBUG qcprludev10 calcAndWriteBoxDataFile done
## 2023 10 06 14:36:01.648 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteBoxDataFile
## 2023 10 06 14:36:01.649 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteHistogramFile
## 2023 10 06 14:36:01.650 DEBUG qcprludev10 calcAndWriteHistogramFile /BEA/BatchEffectsPackage_data/t
## 2023 10 06 14:36:01.656 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteHistogramFile
## 2023 10 06 14:36:01.657 DEBUG qcprludev10 calcAndWriteBoxplot - before calcAndWriteAnnotationsFile

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## 2023 10 06 14:36:01.657 DEBUG qcprludev10 calcAndWriteAnnotationsFile theFile= /BEA/BatchEffectsPack
## 2023 10 06 14:36:01.659 DEBUG qcprludev10 calcAndWriteBoxplot - after calcAndWriteAnnotationsFile
## writeBatchDataTsvForBoxplot
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/BoxPlot/G
## writeAsGenericDataframe writeBatchDataTsvForBoxplot
## Writing BatchData.tsv now
## Processing success
## 2023 10 06 14:36:01.662 INFO qcprludev10 mbatchAssess Finishing
## rdataHCvector=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/anal
## rdataHCsample=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/anal
## rdataHCfeature=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/ana
## buildDSCOverviewFile analysisOutputDir = /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/Z
## buildDSCOverviewFile dscOutputDir = /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Ar
## 2023 10 06 14:36:01.664 DEBUG qcprludev10 buildDSCOverviewFile theSearchDir= /BEA/BatchEffectsPackag
## 2023 10 06 14:36:01.665 DEBUG qcprludev10 buildDSCOverviewFile theOutputDir= /BEA/BatchEffectsPackag
## 2023 10 06 14:36:01.666 DEBUG qcprludev10 buildDSCOverviewFile theBaseDir= /BEA/BatchEffectsPackag
## 2023 10 06 14:36:01.667 DEBUG qcprludev10 buildDSCOverviewFile theOutputFile= DSCOverview.tsv
## 2023 10 06 14:36:01.668 DEBUG qcprludev10 myCompListDscFile
## 2023 10 06 14:36:01.669 DEBUG qcprludev10 loop myCompListDscFile= /BEA/BatchEffectsPackage_data/test
## 2023 10 06 14:36:01.670 DEBUG qcprludev10 set struct
## 2023 10 06 14:36:01.671 DEBUG qcprludev10 myCompListDscFile /BEA/BatchEffectsPackage_data/testing_dy
## 2023 10 06 14:36:01.673 DEBUG qcprludev10 comp A 1 , comp B 2
## 2023 10 06 14:36:01.673 DEBUG qcprludev10 comp A 1 , comp B 3
## 2023 10 06 14:36:01.674 DEBUG qcprludev10 comp A 1 , comp B 4
## 2023 10 06 14:36:01.675 DEBUG qcprludev10 comp A 2 , comp B 3
## 2023 10 06 14:36:01.676 DEBUG qcprludev10 comp A 2 , comp B 4
## 2023 10 06 14:36:01.677 DEBUG qcprludev10 comp A 3 , comp B 4
## 2023 10 06 14:36:01.680 DEBUG qcprludev10 myOverallDscFile /BEA/BatchEffectsPackage_data/testing_dy
## 2023 10 06 14:36:01.681 DEBUG qcprludev10 rowCounter 1
## 2023 10 06 14:36:01.717 DEBUG qcprludev10 datasetDesc /PCA/BatchId/ManyToMany/DATA_2022_09_21_0002/
## 2023 10 06 14:36:01.718 DEBUG qcprludev10 length(myCompDscFileList) 6
## 2023 10 06 14:36:01.719 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.732 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.743 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.754 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.784 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.801 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.816 DEBUG qcprludev10 myOverallDscFile /BEA/BatchEffectsPackage_data/testing_dy
## 2023 10 06 14:36:01.818 DEBUG qcprludev10 rowCounter 2
## 2023 10 06 14:36:01.859 DEBUG qcprludev10 datasetDesc /PCA/ShipDate/ManyToMany/DATA_2022_09_21_0002
## 2023 10 06 14:36:01.860 DEBUG qcprludev10 length(myCompDscFileList) 6
## 2023 10 06 14:36:01.861 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.876 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.891 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.907 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.921 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.936 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynam
## 2023 10 06 14:36:01.950 DEBUG qcprludev10 myOverallDscFile /BEA/BatchEffectsPackage_data/testing_dy

```

```

## 2023 10 06 14:36:01.951 DEBUG qcprludev10 rowCounter 3
## 2023 10 06 14:36:01.992 DEBUG qcprludev10 datasetDesc /PCA/TSS/ManyToMany/DATA_2022_09_21_0002/TEST
## 2023 10 06 14:36:01.993 DEBUG qcprludev10 length(myCompDscFileList) 6
## 2023 10 06 14:36:01.994 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:36:02.008 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:36:02.022 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:36:02.035 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:36:02.049 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:36:02.062 DEBUG qcprludev10 myCompDscFile /BEA/BatchEffectsPackage_data/testing_dynamic
## 2023 10 06 14:36:02.076 DEBUG qcprludev10 dim(myDscOverviewStruct) = 3, dim(myDscOverviewStruct)=
## 2023 10 06 14:36:02.077 DEBUG qcprludev10 foundDataFlag = TRUE
## 2023 10 06 14:36:02.078 DEBUG qcprludev10 overall DSC /BEA/BatchEffectsPackage_data/testing_dynamic

## title

## myBatchType All

## theShaidyMapGen /builds/BatchEffects_clean/BatchEffectsPackage/data/testing_static/MBatchUtils/exe/S
## theShaidyMapGenJava /software/x86_64/JDK/1.8.0_25/bin/java

## dim(myMBatchData@mData) 2248873
## dim(myMBatchData@mBatches) 734

## trim to same size as hierarchical 1

## 2023 10 06 14:36:02.092 DEBUG qcprludev10 Changing LC_COLLATE to C for duration of run
## 2023 10 06 14:36:02.094 INFO qcprludev10 \ / \ / \ / \ / \ / \ / \ / \ / \ /
## 2023 10 06 14:36:02.095 INFO qcprludev10 mbatchTrimData Starting
## 2023 10 06 14:36:02.096 INFO qcprludev10 MBatch Version: BEA_VERSION_TIMESTAMP
## 2023 10 06 14:36:04.180 INFO qcprludev10 mbatchTrimData theMaxSize= 365000
## 2023 10 06 14:36:04.182 INFO qcprludev10 mbatchTrimData ncol(theMatrix)= 73
## 2023 10 06 14:36:04.183 INFO qcprludev10 mbatchTrimData nrow(theMatrix)= 5000
## 2023 10 06 14:36:04.184 INFO qcprludev10 mbatchTrimData Finishing
## 2023 10 06 14:36:04.185 INFO qcprludev10 ~~~~~

## MBatchUtils BEA_VERSION_TIMESTAMP

## buildBatchHeatMapFromHC_Structures

## [1] "_AllNGCHM"
## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/NGCHM
## theMatrixData size 5000 73
## theBatchData size 73 4
## original row names
## 5000

## [1] "cg00002426" "cg00003994" "cg00013618" "cg00024396" "cg00030047"
## [6] "cg00031162" "cg00035623" "cg00040873" "cg00041575" "cg00044245"

## reduce size before transforming and calling NGCHM calculations
## theMatrixData resized to 4973 73
## compute row clusters
## theRowCluster[1]=pearson
## theRowCluster[2]=ward.D2

```

```

## hierClustForNgchmCalc
## Changing LC_COLLATE to C for duration of run
## calculating HC
## cast as.dendrogram
## compute col clusters
## theColDendRDataFile=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS
## use pre-calc HC clustering
## theColDendRDataFile
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/Hierarchi
## theRowDendRDataFile
##
## rownames count
## 4973
## colnames count
## 73
## duplicate rownames theMatrixData before linkout
## 0
## duplicate colnames theMatrixData before linkout
## 0
## duplicate rownames theMatrixData after linkout
## 0
## duplicate colnames theMatrixData after linkout
## 0
## make colormapBreaks
## breakpoints=-1.598943242843, 0, 1.71663401918292
## breakpoints=-4.99606207993794, -2.27721302168889, -0.318181894803459
##      5%      50%      95%
## -1.598943  0.000000  1.716634
##      5%      50%      95%
## -4.9960621 -2.2772130 -0.3181819
## make color map
## make data layer
## duplicate rownames
## 0
## duplicate colnames
## 0
## centered col names

```

```

## 73

## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"
## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"

## centered row names

## 4973

## [1] "cg00002426" "cg00003994" "cg00013618" "cg00024396" "cg00030047"
## [6] "cg00031162" "cg00035623" "cg00040873" "cg00041575" "cg00044245"

## original col names

## [1] 73
## [1] "TCGA-AF-2689-01A-01D-0820-05" "TCGA-AF-2689-11A-01D-1552-05"
## [3] "TCGA-AF-2691-01A-01D-0820-05" "TCGA-AF-2691-11A-01D-1552-05"
## [5] "TCGA-AF-2692-01A-01D-0820-05" "TCGA-AF-2692-11A-01D-1552-05"
## [7] "TCGA-AF-3400-01A-01D-0820-05" "TCGA-AF-3400-11A-01D-1552-05"
## [9] "TCGA-AF-3913-01A-02D-1116-05" "TCGA-AF-3913-11A-01D-1116-05"

## original row names

## [1] 4973
## [1] "cg00002426" "cg00003994" "cg00013618" "cg00024396" "cg00030047"
## [6] "cg00031162" "cg00035623" "cg00040873" "cg00041575" "cg00044245"

## make CHM

## theRowType

## NA

## theColType

## NA

## add caption

## add covariates

## Sample

## BatchId

## 73

## covariate length 73

## TSS

## 73

## covariate length 73

## ShipDate

## 73

## covariate length 73

## Set Environment LC_CTYPE=en_US.UTF-8

## chmExportToHTML 3

```

```

## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS/analysis/NGCHM/DAT
## Warning in gsub(".nghcm", "", theOutputFile, ignore.case = TRUE, fixed = TRUE):
## argument 'ignore.case = TRUE' will be ignored

## 2023 10 06 14:36:11.058 DEBUG qcprludev10 writeTitleFile - pre title    / All NGCHM
## 2023 10 06 14:36:11.059 DEBUG qcprludev10 writeTitleFile - theTitle    / All NGCHM
## 2023 10 06 14:36:11.060 DEBUG qcprludev10 writeTitleFile - titleFile    /BEA/BatchEffectsPackage_data/

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'

## chmExportToFile

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'

## Found more than one class "hclust" in cache; using the first, from namespace 'ClassDiscovery'
## Also defined by 'NGCHM'

## 2023 10 06 14:36:18.825 INFO qcprludev10 CDP_Plot myFilePath= /BEA/BatchEffectsPackage_data/testing_
## 2023 10 06 14:36:18.826 INFO qcprludev10 CDP_Plot theData1PairedReplicates= 73
## 2023 10 06 14:36:18.827 INFO qcprludev10 CDP_Plot theData2PairedReplicates= 73
## 2023 10 06 14:36:18.828 INFO qcprludev10 CDP_Plot theData1UnmatchedReplicates= 0
## 2023 10 06 14:36:18.829 INFO qcprludev10 CDP_Plot theData2UnmatchedReplicates= 0
## 2023 10 06 14:36:18.898 INFO qcprludev10 CDP_Plot pairedCorr= 73
## 2023 10 06 14:36:18.900 INFO qcprludev10 CDP_Plot unmatchedCorr= 0
## 2023 10 06 14:36:18.903 INFO qcprludev10 CDP_Plot pairedDensity$x= 512
## 2023 10 06 14:36:18.906 INFO qcprludev10 CDP_Plot pairedDensity$y= 512
## 2023 10 06 14:36:18.907 INFO qcprludev10 CDP_Plot pairedDensity$bw= 0.000538061999676414
## 2023 10 06 14:36:18.908 INFO qcprludev10 CDP_Plot unmatchedDensity$x= 0
## 2023 10 06 14:36:18.909 INFO qcprludev10 CDP_Plot unmatchedDensity$y= 0
## 2023 10 06 14:36:18.910 INFO qcprludev10 CDP_Plot unmatchedDensity$bw=
## 2023 10 06 14:36:18.911 INFO qcprludev10 CDP_Plot xRange= 0.992112567037371, CDP_Plot xRange= 1
## 2023 10 06 14:36:18.912 DEBUG qcprludev10 writeTitleFile - pre title    / Correlation Density Plot Pr
## 2023 10 06 14:36:18.914 DEBUG qcprludev10 writeTitleFile - theTitle    / Correlation Density Plot Prin
## 2023 10 06 14:36:18.915 DEBUG qcprludev10 writeTitleFile - titleFile    /BEA/BatchEffectsPackage_data/

## Write success note to '/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESU
## Copy from /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/ori
## Copy from /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA/current/pip
## Write Single Archive

## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-RESULTS
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/ZIP-DATA
## /BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive
## Call Single Archive

## buildSingleArchive::theResultDir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archi
## buildSingleArchive::theDataDir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive,

```

```
## buildSingleArchive::theZipDir=/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive
## buildSingleArchive - import(mbatch.index.index)
## buildSingleArchive - after Python
## [[1]]
## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/SRC_2023_10_06_1433-resul
##
## [[2]]
## [1] "/BEA/BatchEffectsPackage_data/testing_dynamic/MBatchUtils/ZIP_Archive/SRC_2023_10_06_1433-data.:
```