



arrayQualityMetrics.rgg x

GUI Source Script

Micro Array quality assesment with arrayQuality Metrics v1.0

Description
 GUI for the R package arrayQualityMetrics. For further information go to bioconductor.org/packages/2.3/bioc/html/arrayQualityMetrics.html.

Data import

Please define input parameters in the drop-down menus (required and optional parameters).

Block	Column	Row	Name	ID	X	Y
1	1	1	"CAL 1"	"A24"	6670	18790
1	2	1	"CAL 2"	"C24"	6980	18780
1	3	1	"CAL 3"	"E24"	7290	18780
1	4	1	"CAL 4"	"G24"	7570	18770
1	5	1	"CAL 5"	"I24"	7870	18790
1	6	1	"CAL 6"	"K24"	8170	18770
1	7	1	"CAL 7"	"M24"	8470	18760
1	8	1	"CAL 8"	"A23"	8760	18780
1	9	1	"CAL 9"	"C23"	9070	18760
1	10	1	"CAL 10 "	"E23"	9400	18780
1	11	1	"Ratio 1"	"G23"	9670	18770

Normalization

Variance stabilization method 10
 0 10 20 30 40 50 60 70 80 90 100

Mapping of reporters

Mapping of reporters

select spot targets:

set filter:

covariate (sample annotation to show as the sidebar in the heatmaps) targetfileheader:

Report Production

Log transformation

Split plots

Output directory:

Output - R Output

```
Lade nötiges Paket: limma
Lade nötiges Paket: RColorBrewer
Lade nötiges Paket: affyPLM
Lade nötiges Paket: gcrma
Lade nötiges Paket: matchprobes
Lade nötiges Paket: preprocessCore
Lade nötiges Paket: simpleaffy
Lade nötiges Paket: latticeExtra
Lade nötiges Paket: grid
Lade nötiges Paket: beadarray
Lade nötiges Paket: hwriter
Lade nötiges Paket: sma

Attache Paket: 'beadarray'

The following object(s) are masked from package:limma :

backgroundCorrect,
imageplot,
plotMA

Lade nötiges Paket: marray

Attache Paket: 'marray'

The following object(s) are masked from package:sma :

cor.na,
length.na,
log.na,
mean.na,
order.na,
prod.na,
quantile.na,
scale.na,
stat.gnames,
sum.na,
var.na

Warning messages:
1: Paket 'xtable' wurde unter R Version 2.8.1 gebaut
2: Paket 'RColorBrewer' wurde unter R Version 2.8.1 gebaut
3: Paket 'latticeExtra' wurde unter R Version 2.8.1 gebaut
4: Paket 'hwriter' wurde unter R Version 2.8.1 gebaut
5: Paket 'sma' wurde unter R Version 2.8.1 gebaut
Read E:/projects/RGG/archive/sandra/Input_01/2_Ni_Control_VDC30_1_8
Read E:/projects/RGG/archive/sandra/Input_01/3_Control_Ni_VDC30_1_8
Read E:/projects/RGG/archive/sandra/Input_01/20_Ni_Control_VDC31_1_
Read E:/projects/RGG/archive/sandra/Input_01/21_Control_Ni_VDC31_1_
The report will be written in 'F:/temp'.

Finished!
```