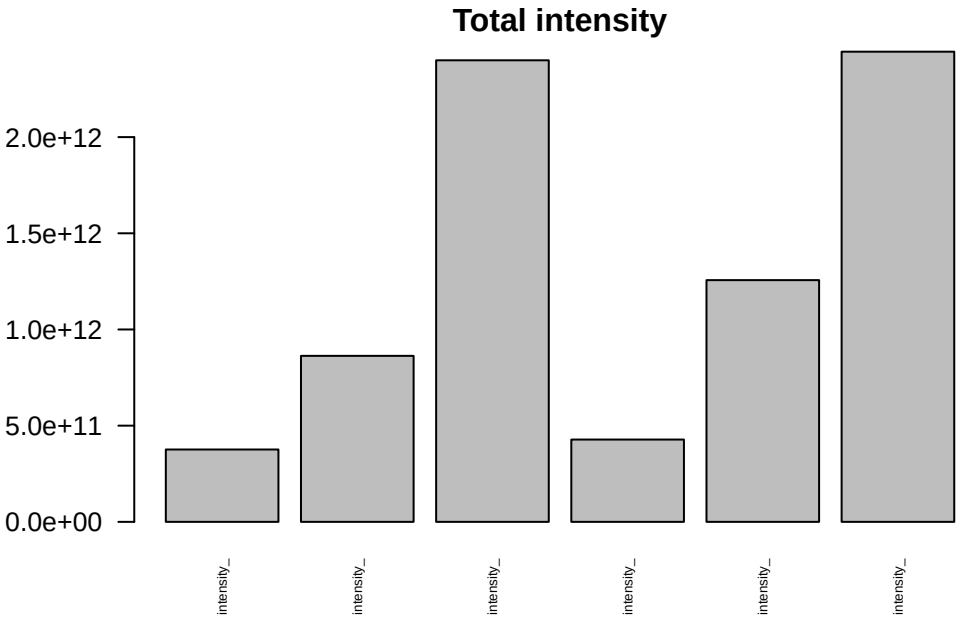
Project Name: con_sp.canonical.isoforms_PC_protein_groups

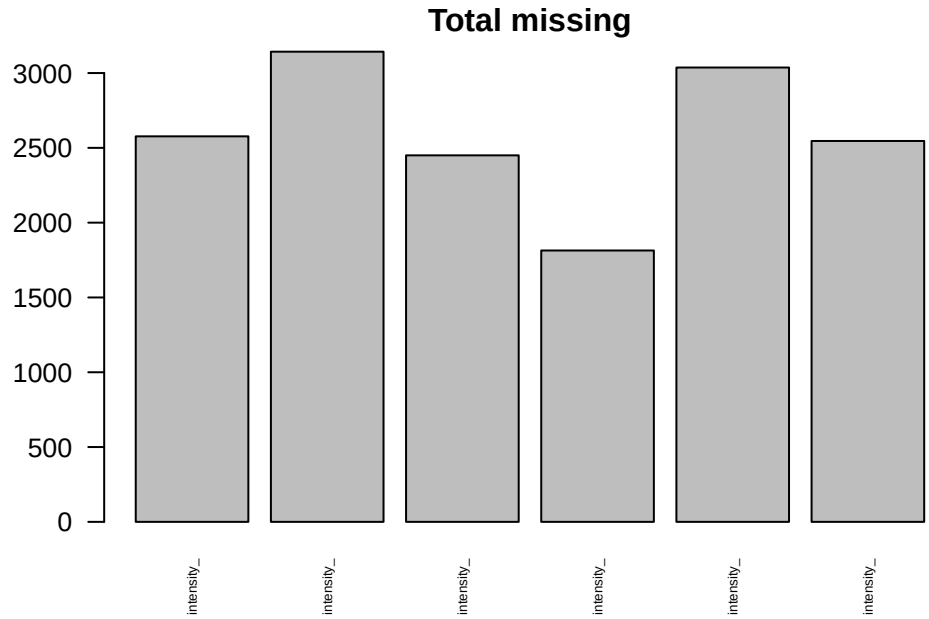
# Normalyzer (ver 1.4.0 )

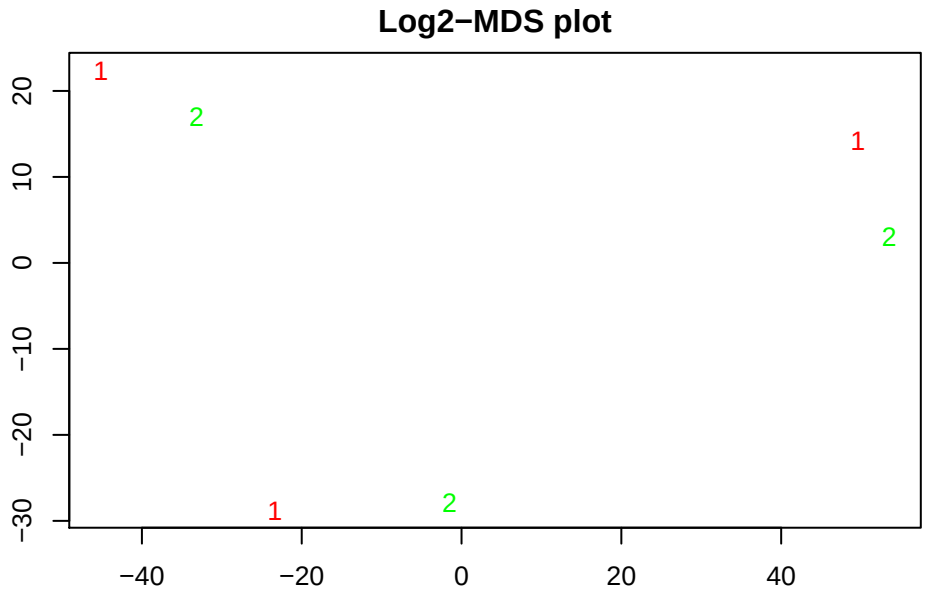
Report created on: 2020−05−08

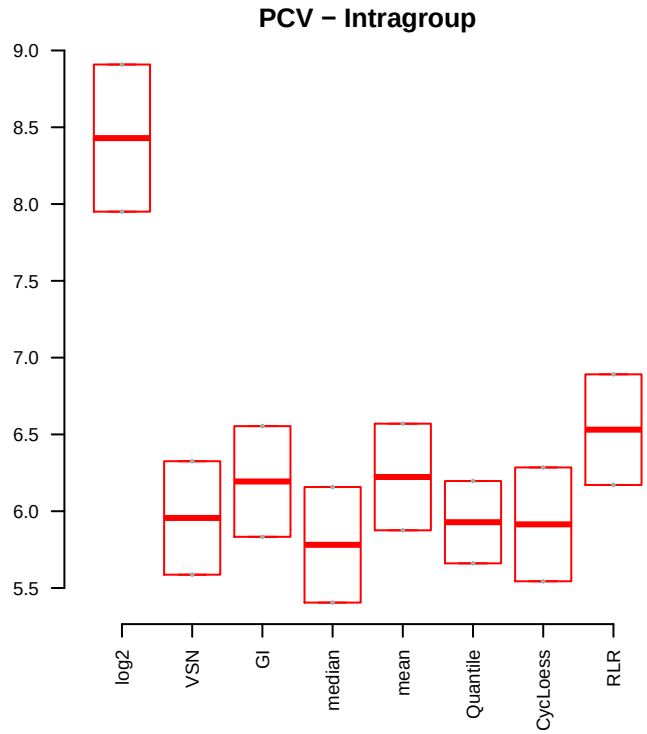
Citation: NormalyzerDE: Online Tool for Improved Normalization of Omics Expression Data and High−Sensitivity Differential Expression Analysis
Journal of Proteome Research (2018), 10.1021/acs.jproteome.8b00523

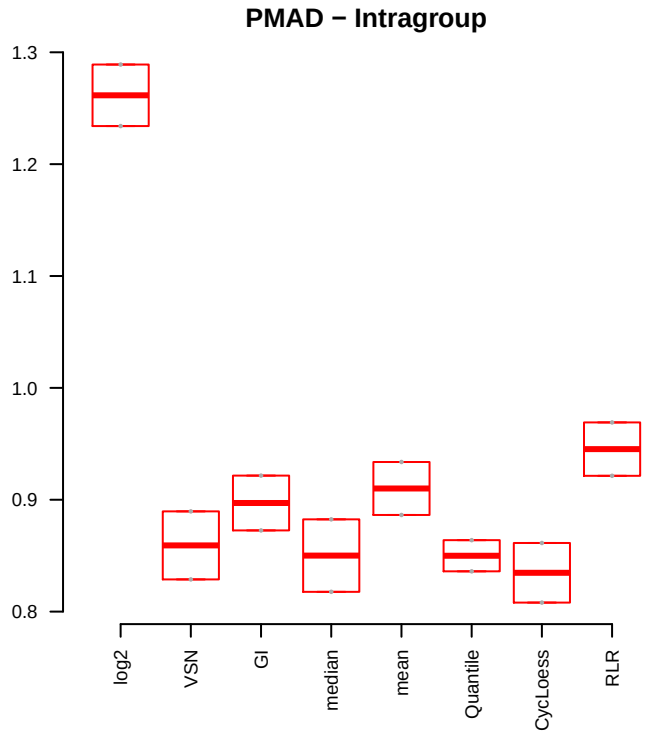
Documentation for analyzing this report can be found at http://quantitativeproteomics.org/normalyzer/help.php

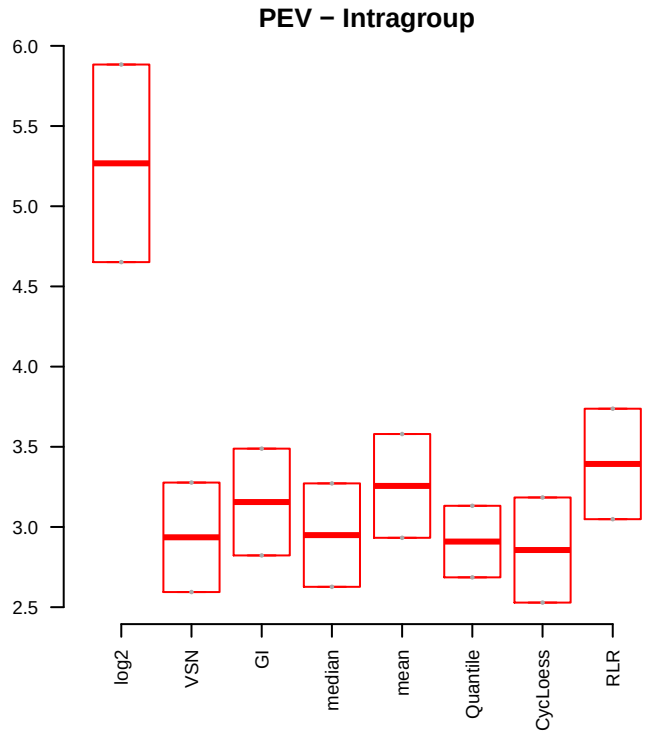

Total intensity
2.0e+12
1.5e+12
1.0e+12
5.0e+11
0.0e+00
intensity_
intensity_
intensity_
intensity_
intensity_
intensity_


Total missing
3000
2500
2000
1500
1000
500
0
intensity_
intensity_
intensity_
intensity_
intensity_
intensity_

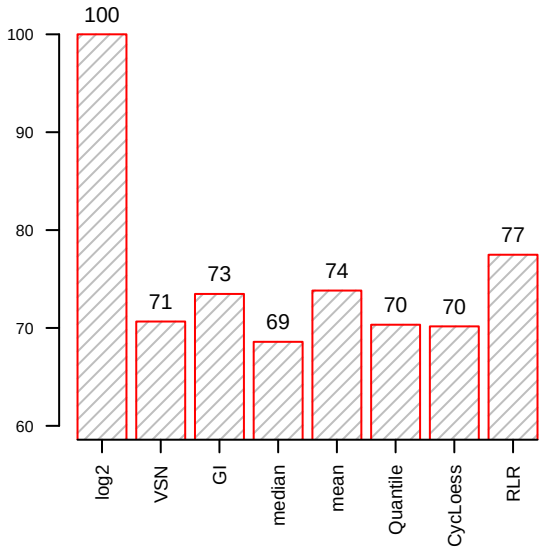

Log2−MDS plot
1
2
1
2
1
2
20
10
0
−10
−20
−30
−40
−20
0
20
40


PCV − Intragroup
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

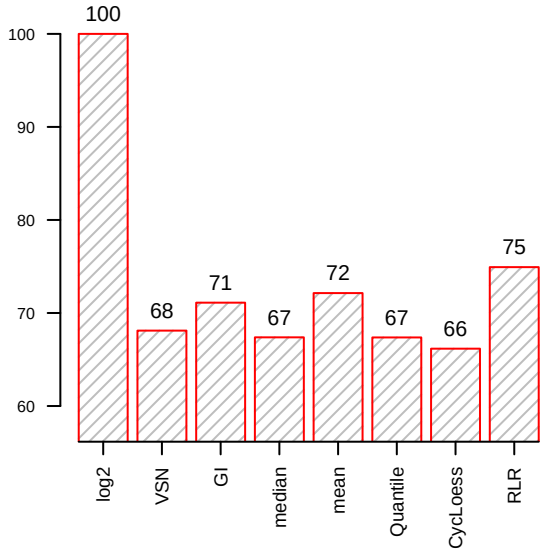

PMAD − Intragroup
1.3
1.2
1.1
1.0
0.9
0.8
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


PEV − Intragroup
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

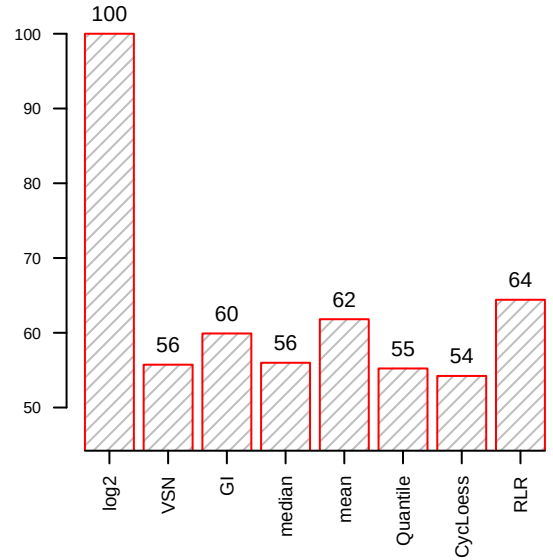
### PCV compared to log2



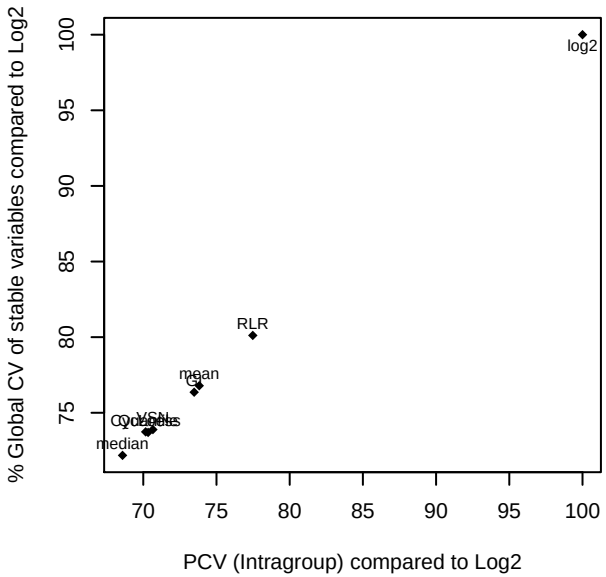

### PMAD compared to log2



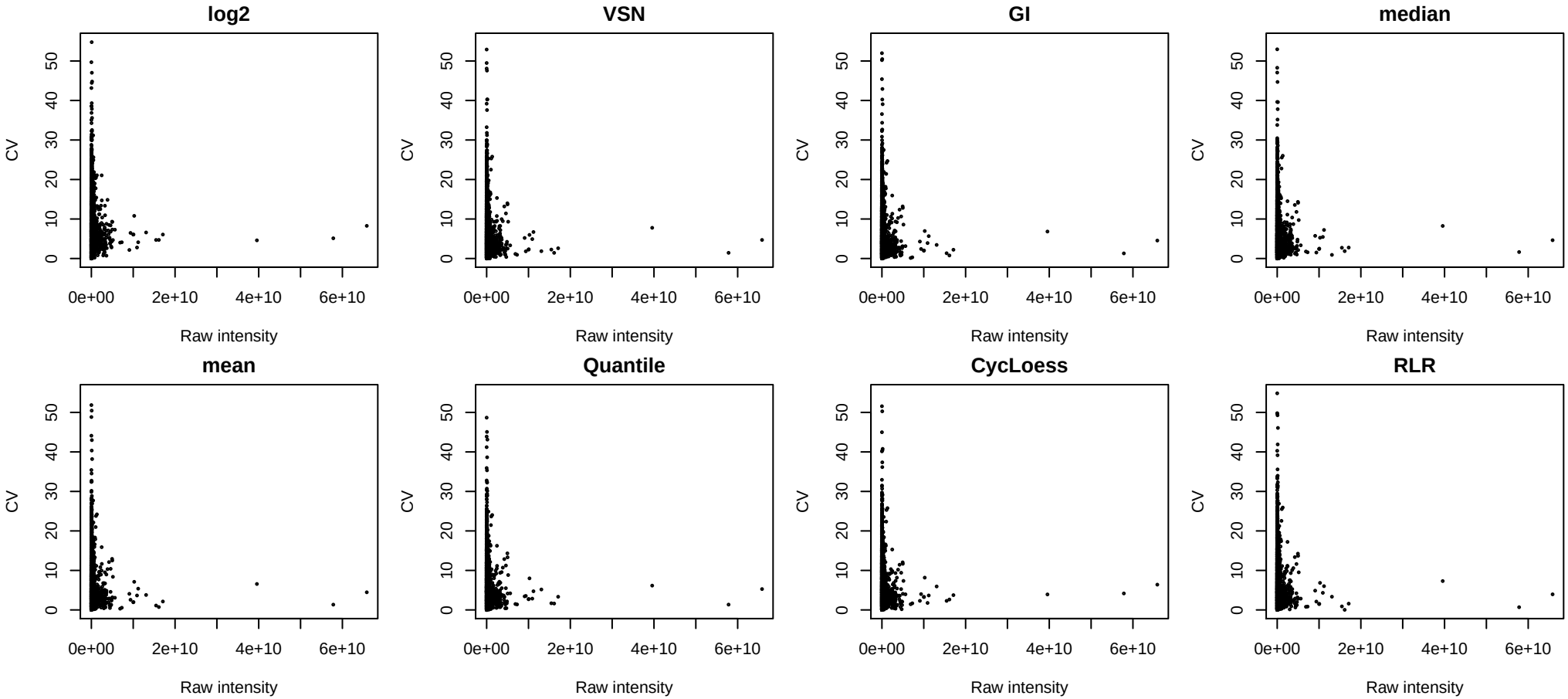

### %PEV − compared to log2



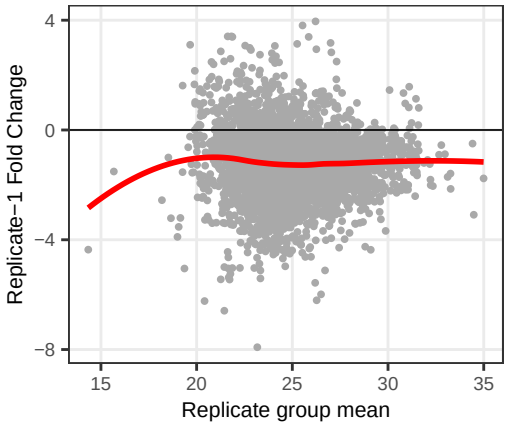

### Stable variables plot



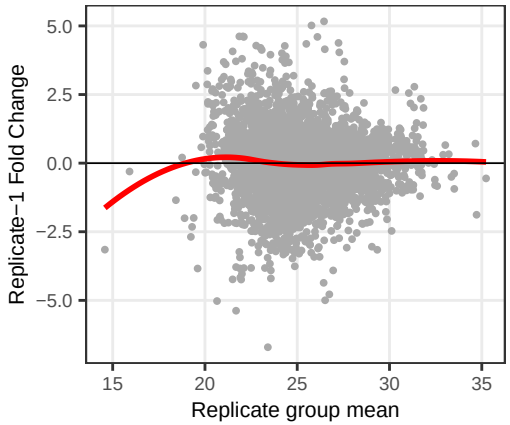
# CV vs Raw Intensity plots



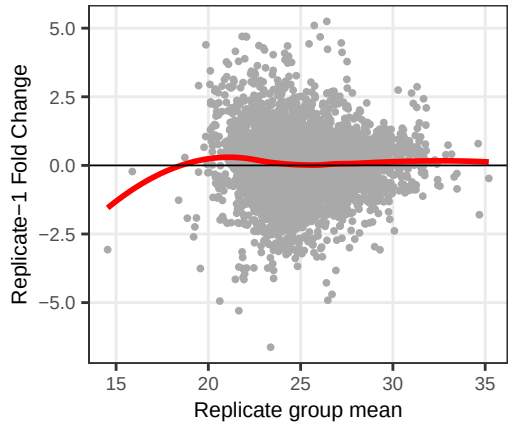
log2



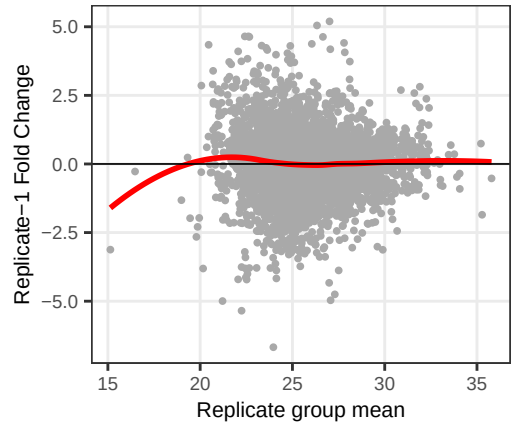

VSN



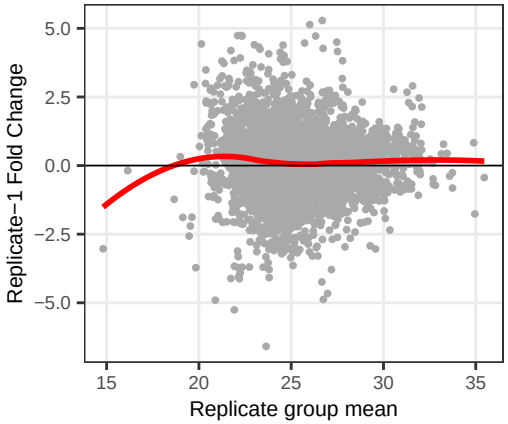

GI



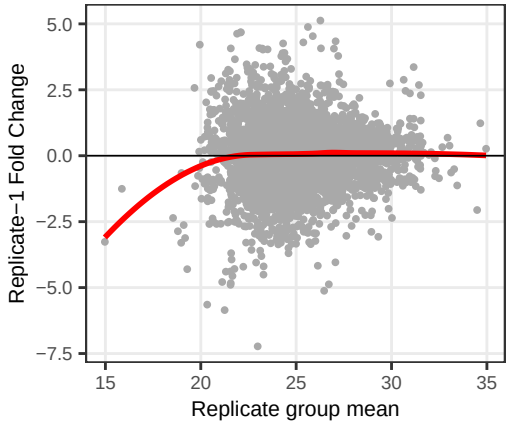

median



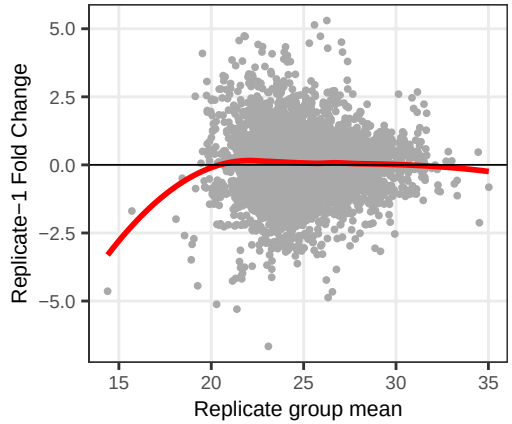

mean



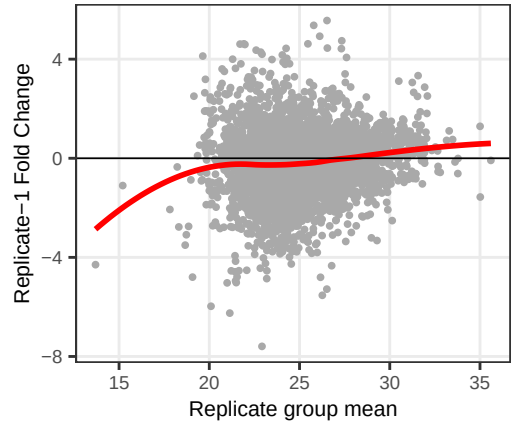

Quantile

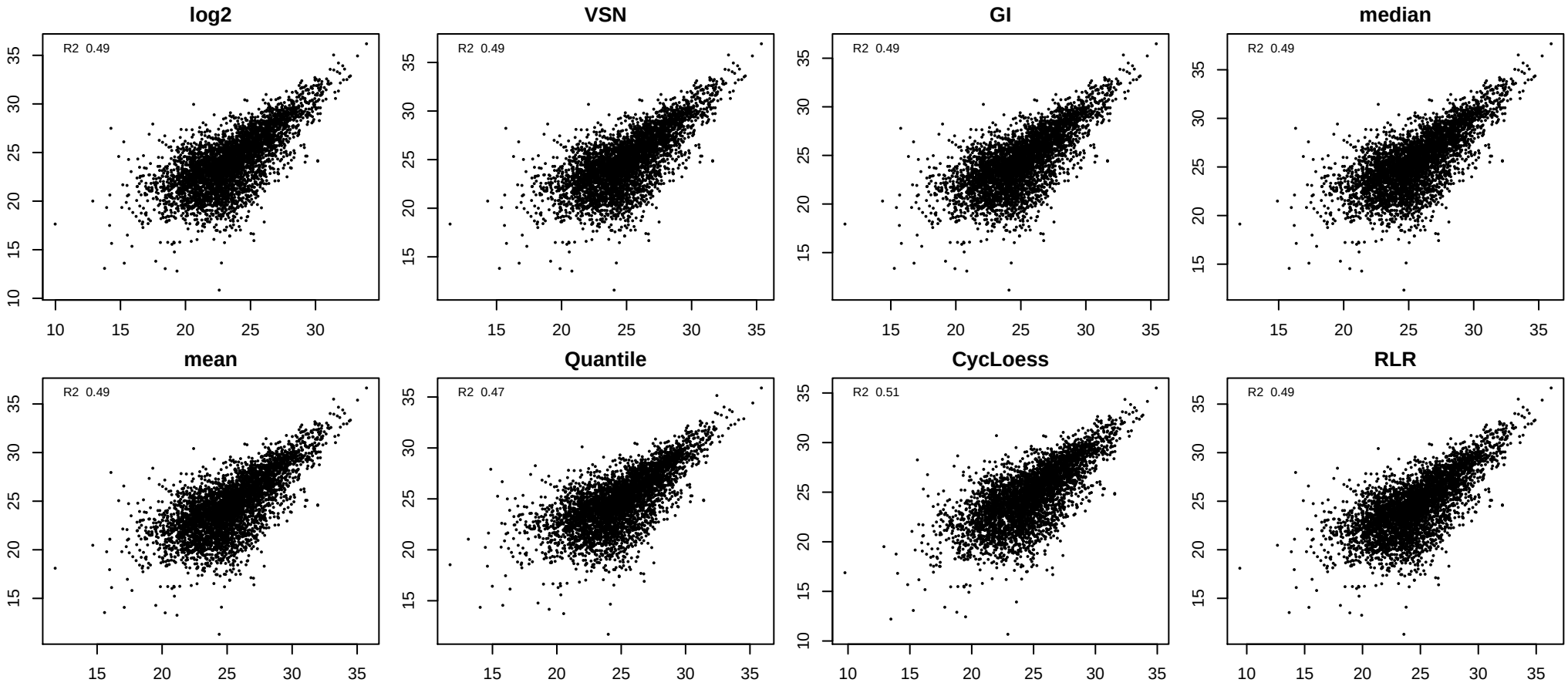



CycLoess

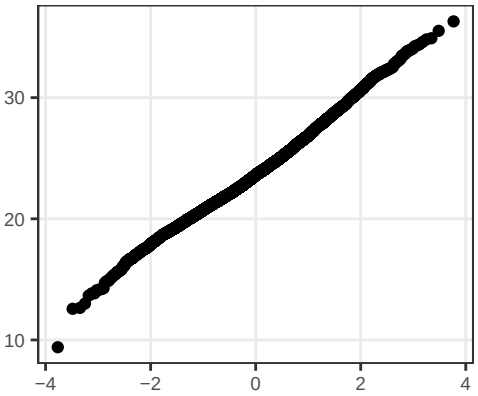



RLR

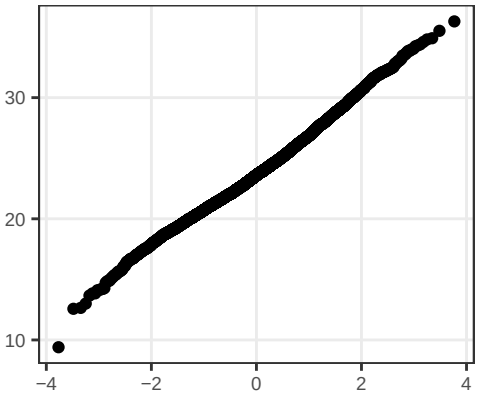



log2
R2 0.49
VSN
R2 0.49
GI
R2 0.49
median
R2 0.49
mean
R2 0.49
Quantile
R2 0.47
CycLoess
R2 0.51
RLR
R2 0.49

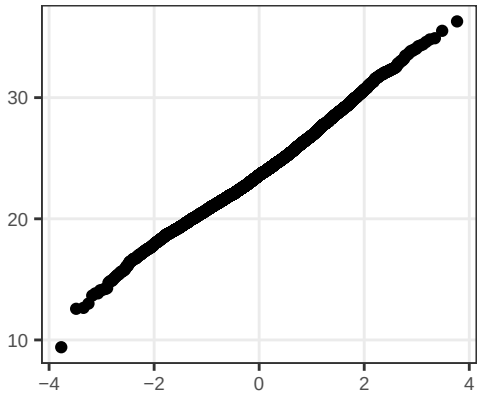
log2



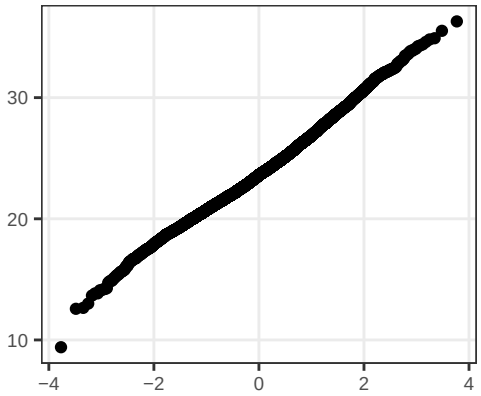

VSN



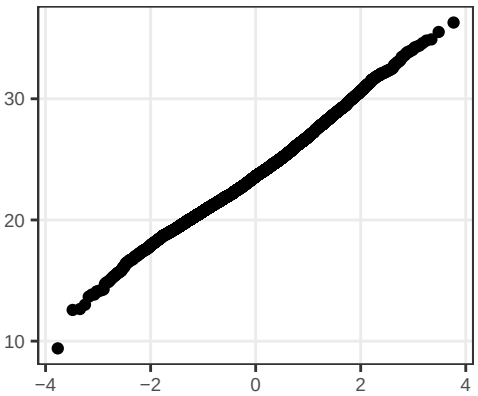

GI



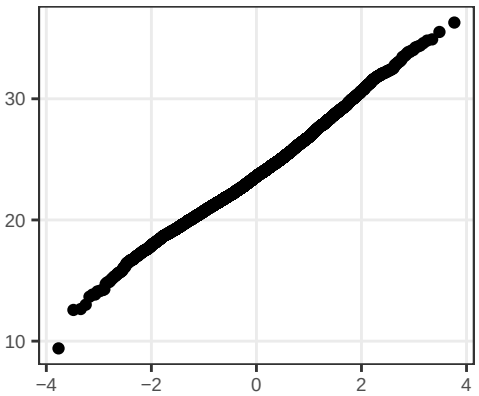

median



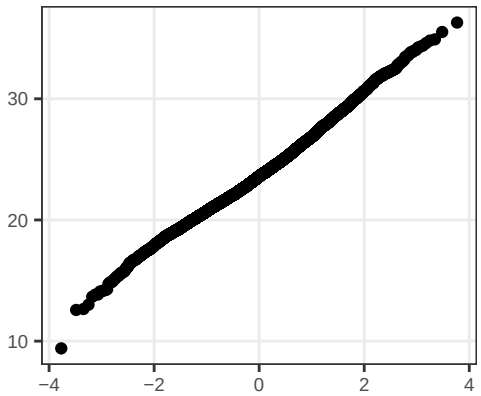

mean



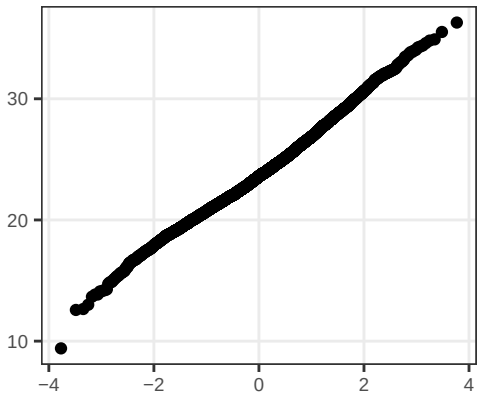

Quantile

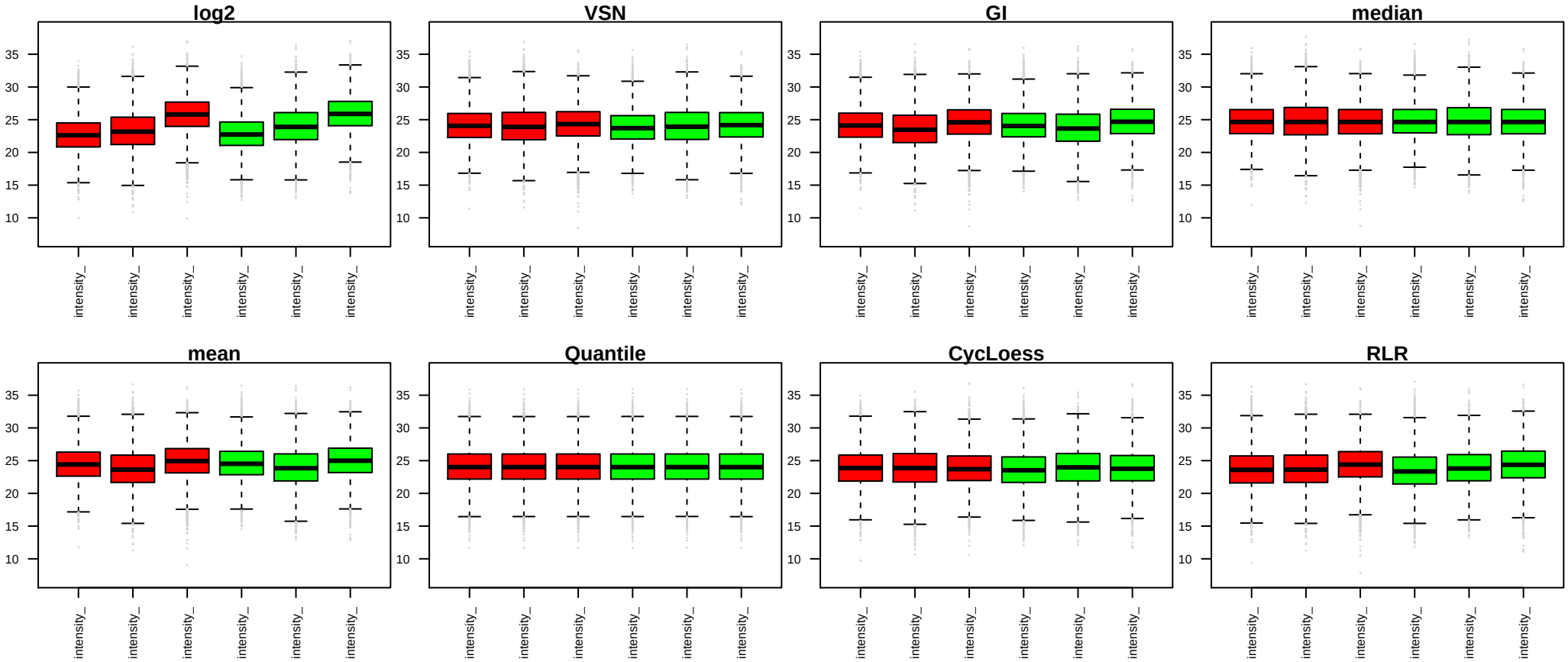


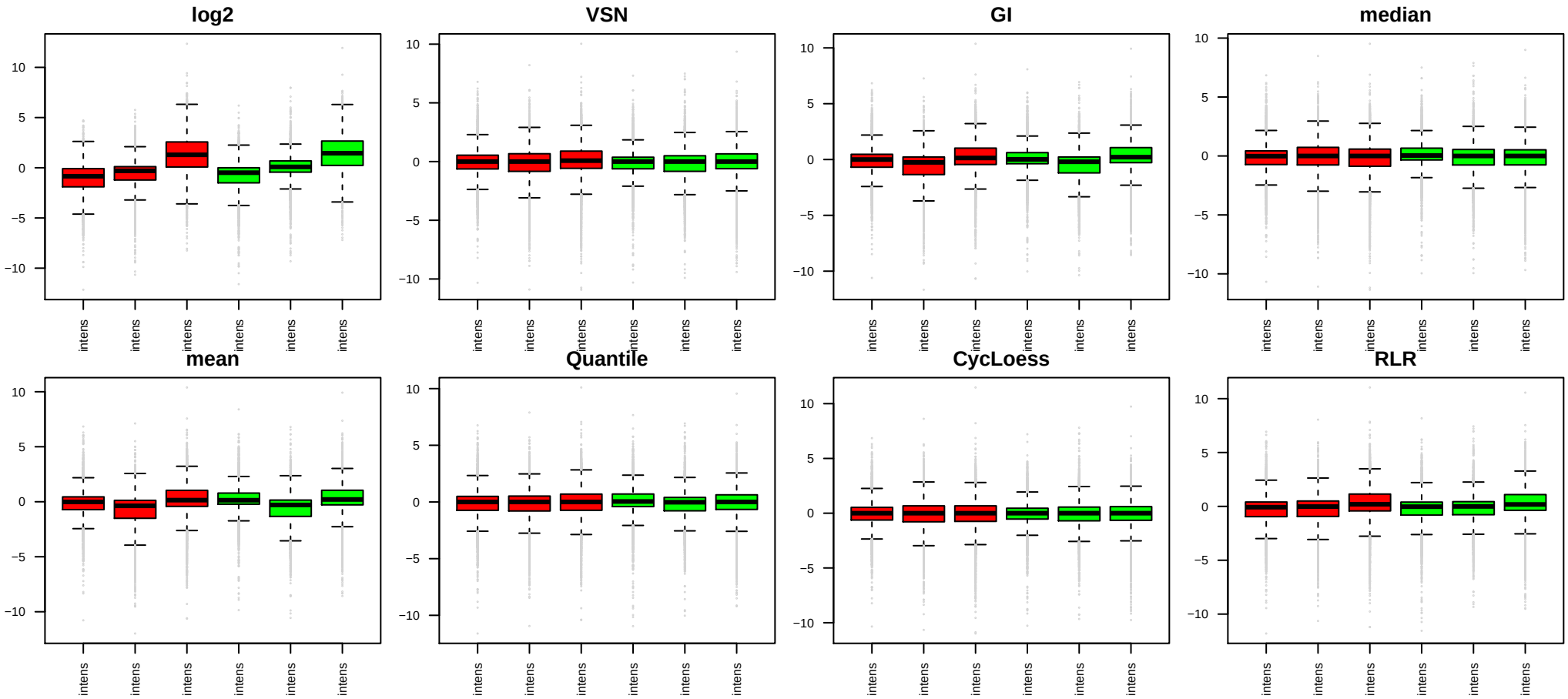

CycLoess



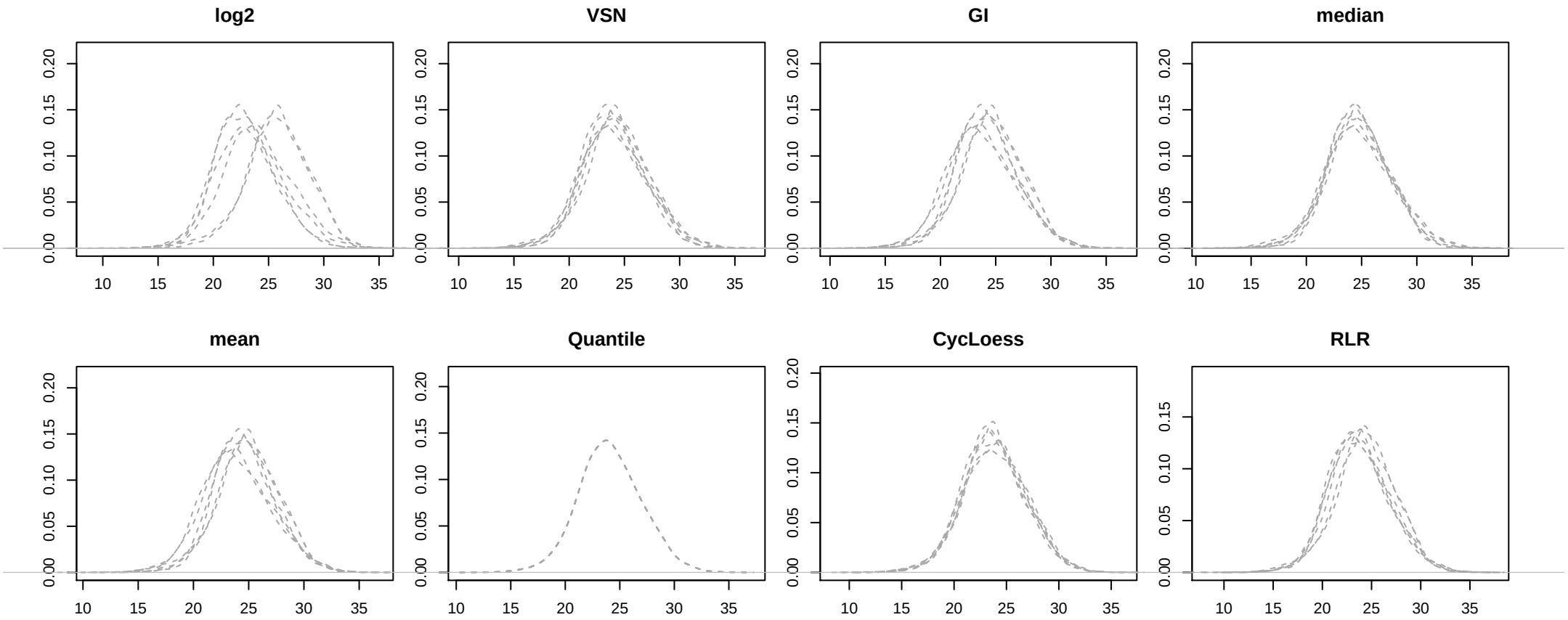

RLR

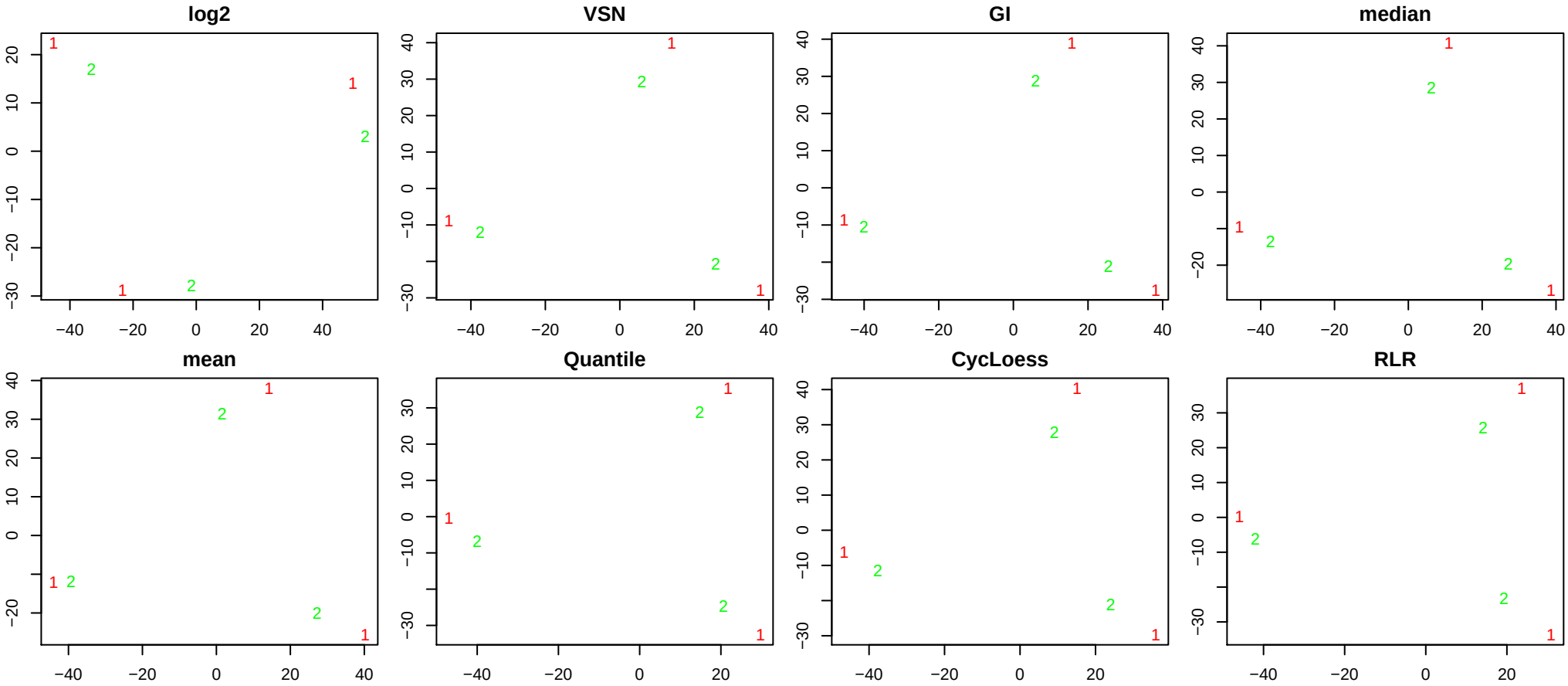



log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
35
30
25
20
15
10
intensity_

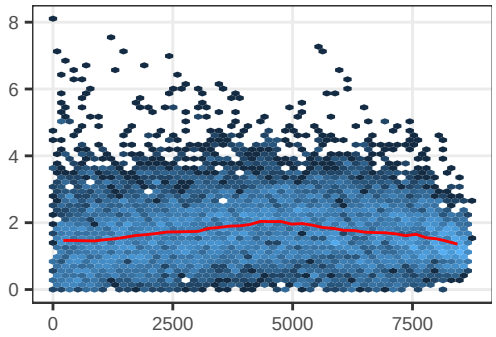

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
10
5
0
−5
−10
intens

# Density plots

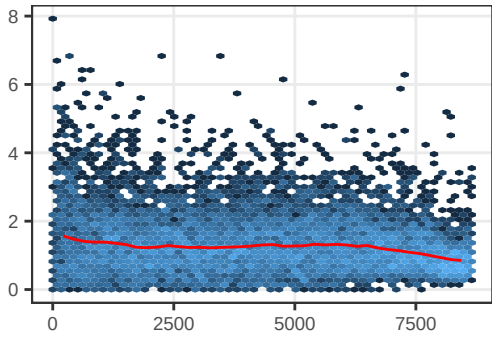



log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

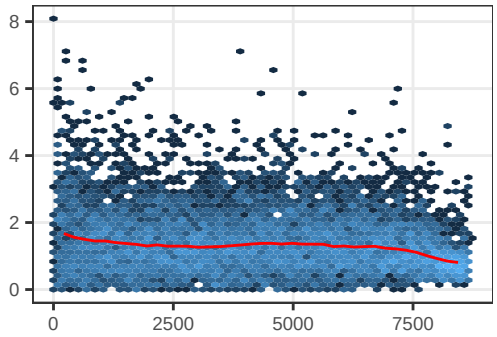
log2



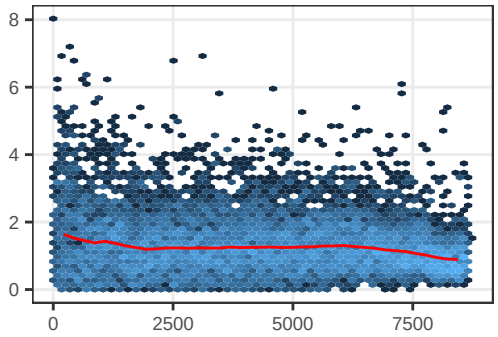

VSN



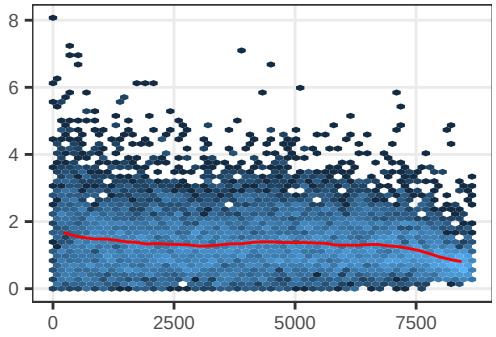

GI



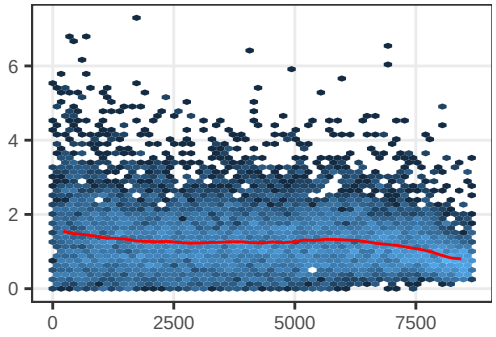

median



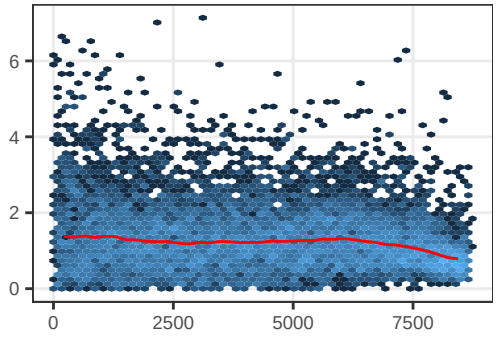

mean



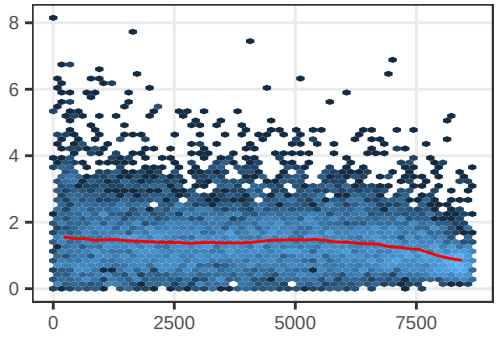

Quantile

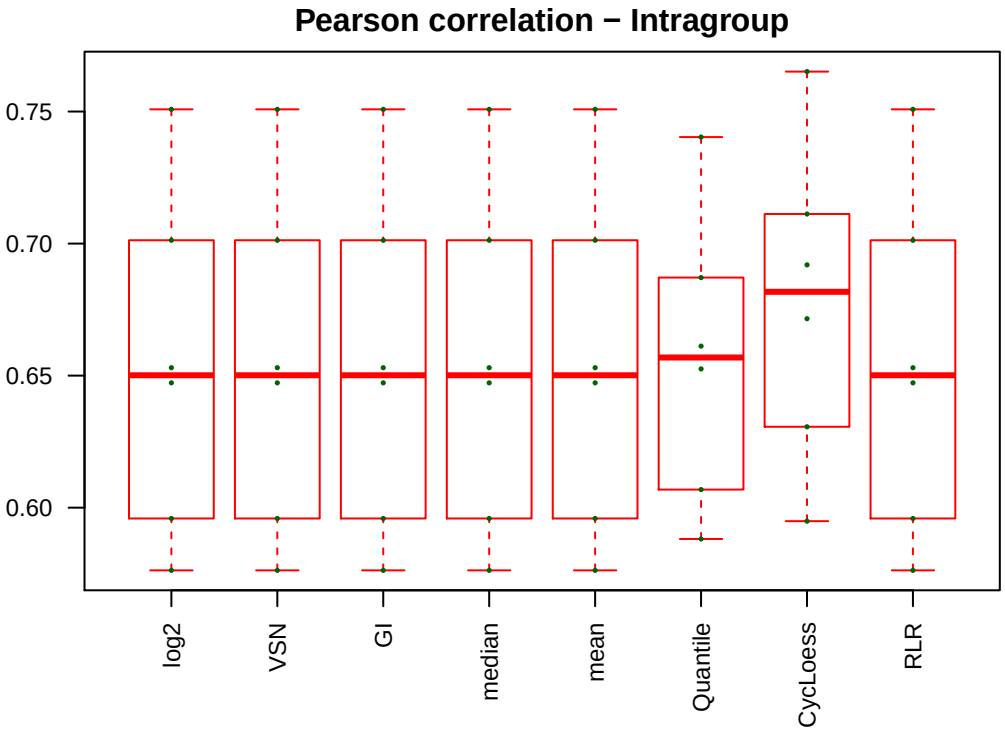


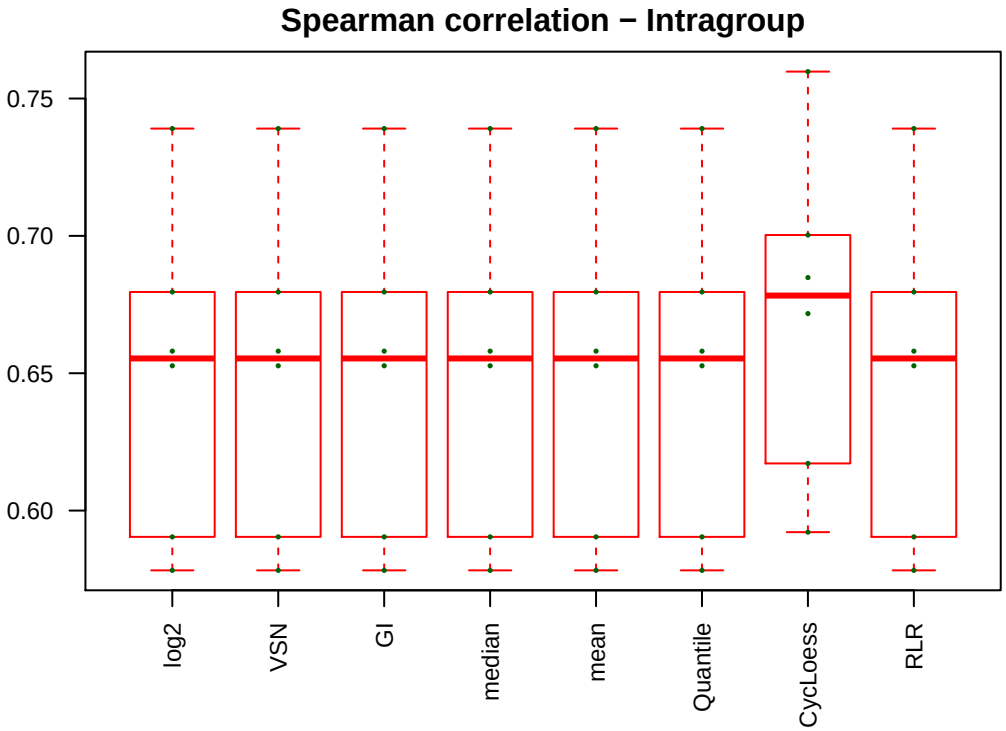

CycLoess




RLR




Pearson correlation − Intragroup
0.75
0.70
0.65
0.60
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


Spearman correlation − Intragroup
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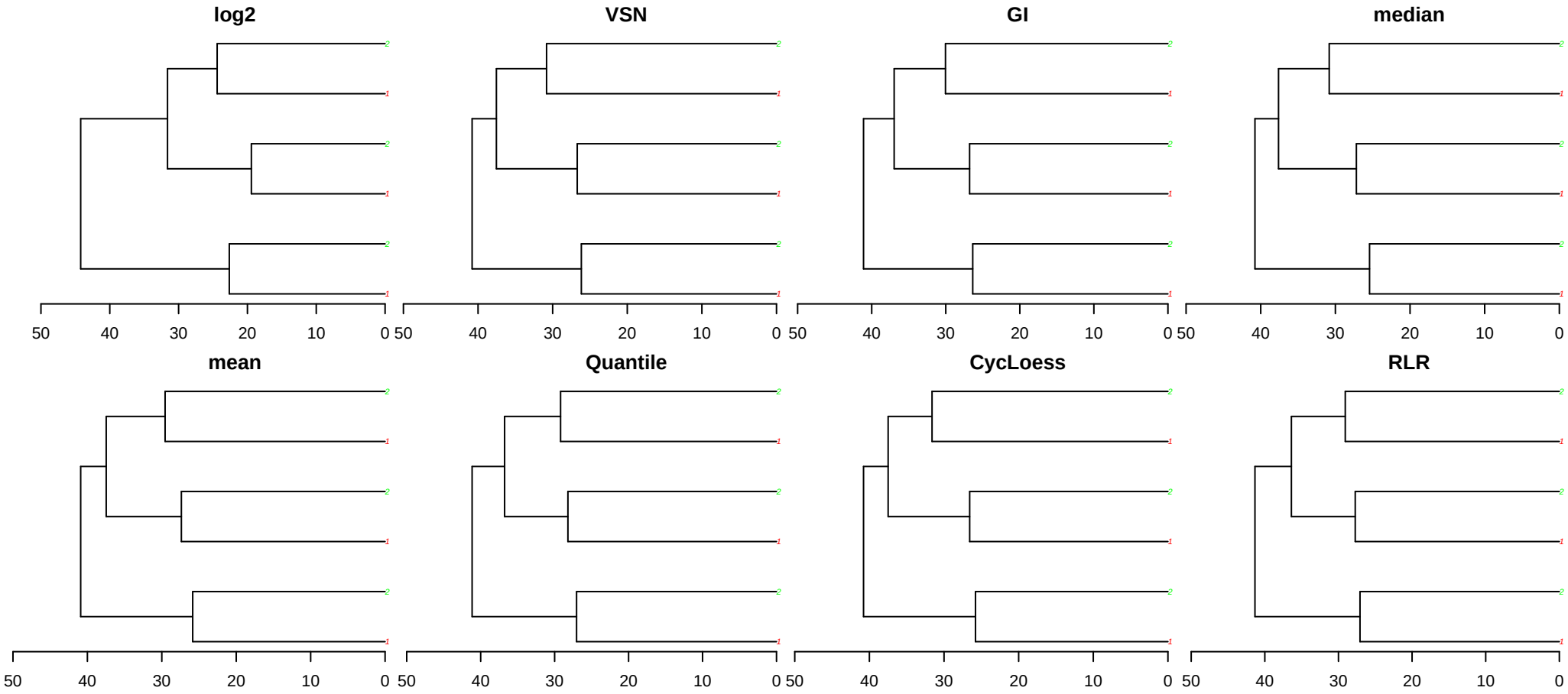
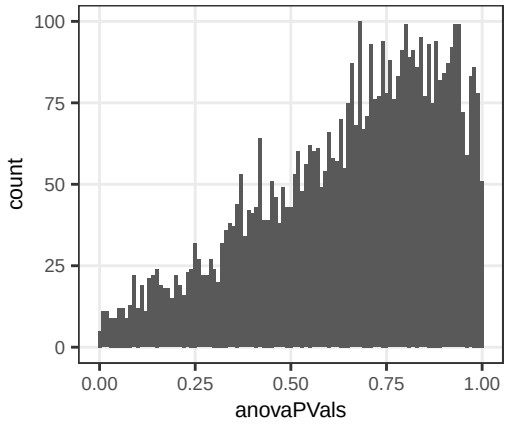
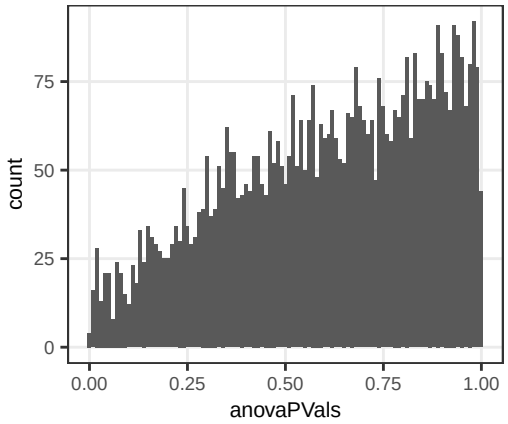
0.70
0.65
0.60
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
50
40
30
20
10
0

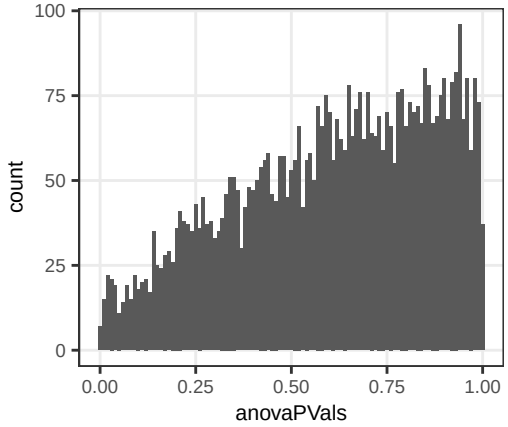
log2



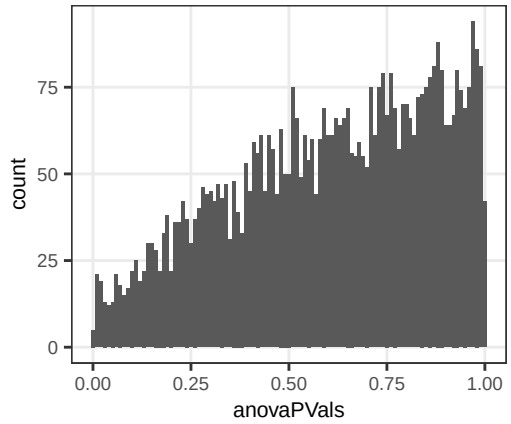

VSN



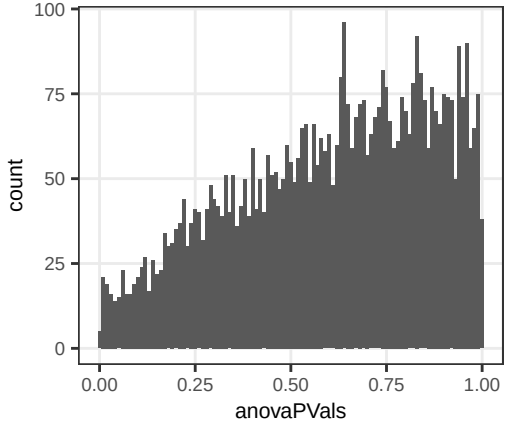

GI



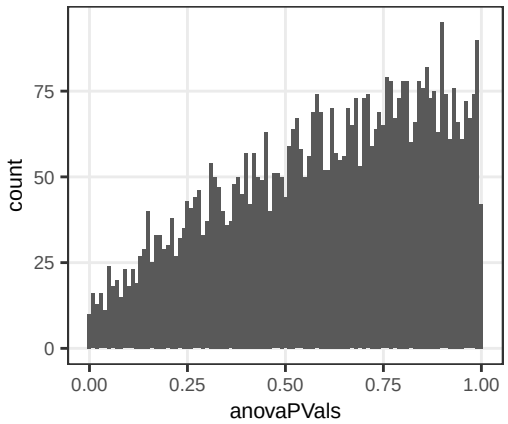

median



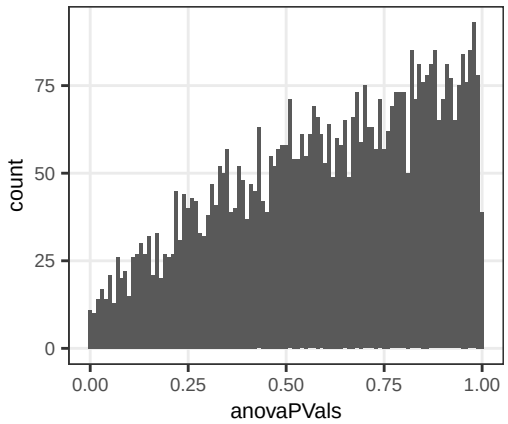

mean

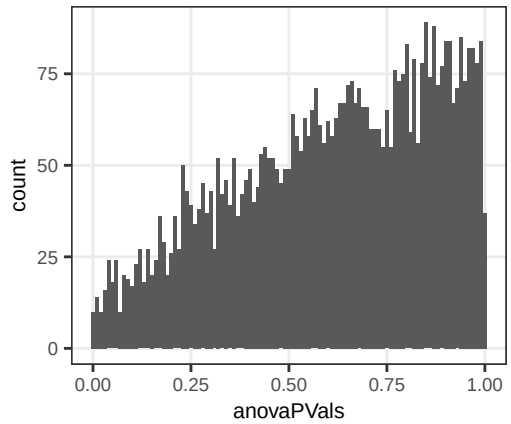



Quantile




CycLoess

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