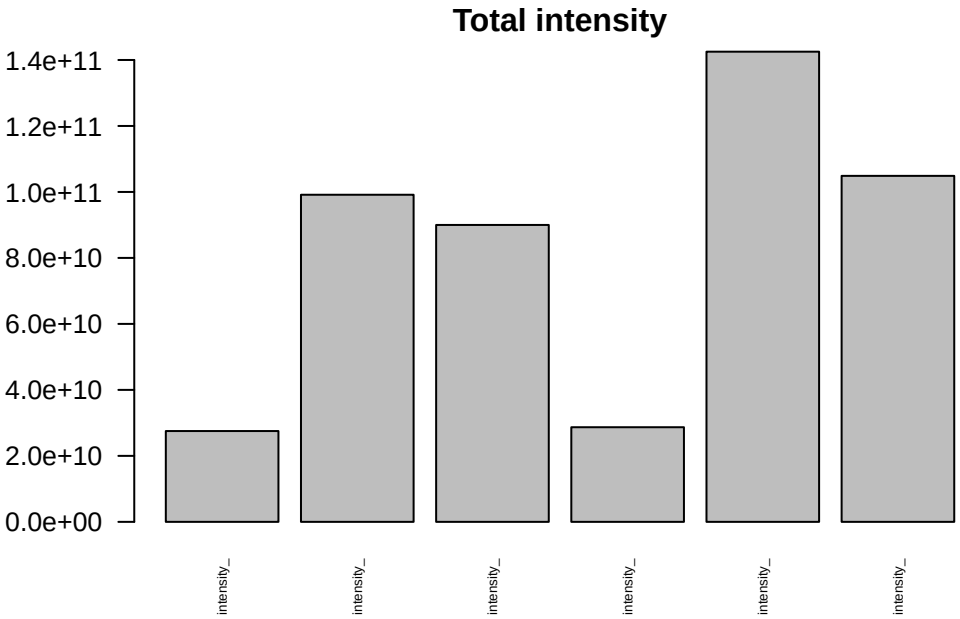
Project Name: junc.exons_peptides

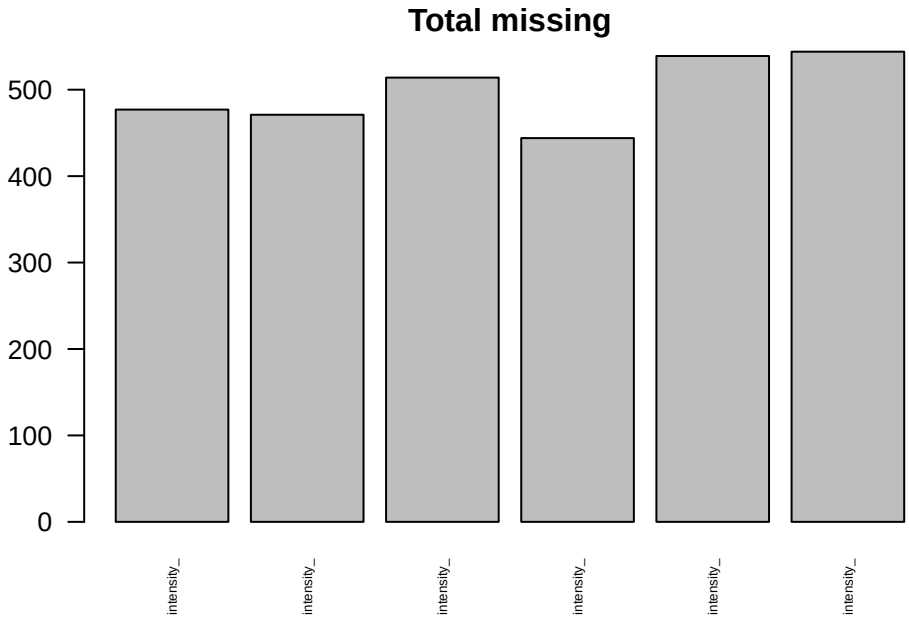
Normalyzer (ver 1.4.0)

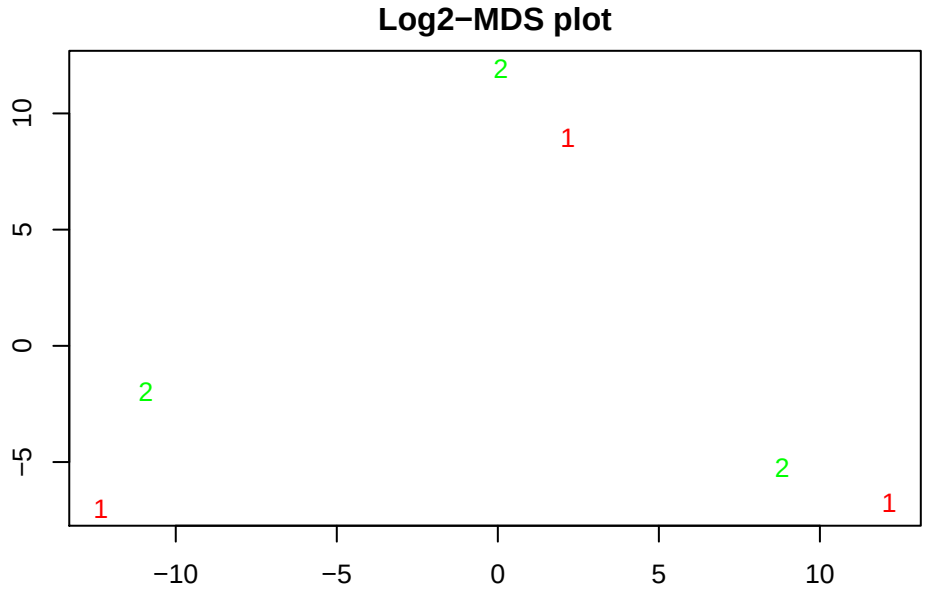
Report created on: 2020−05−08

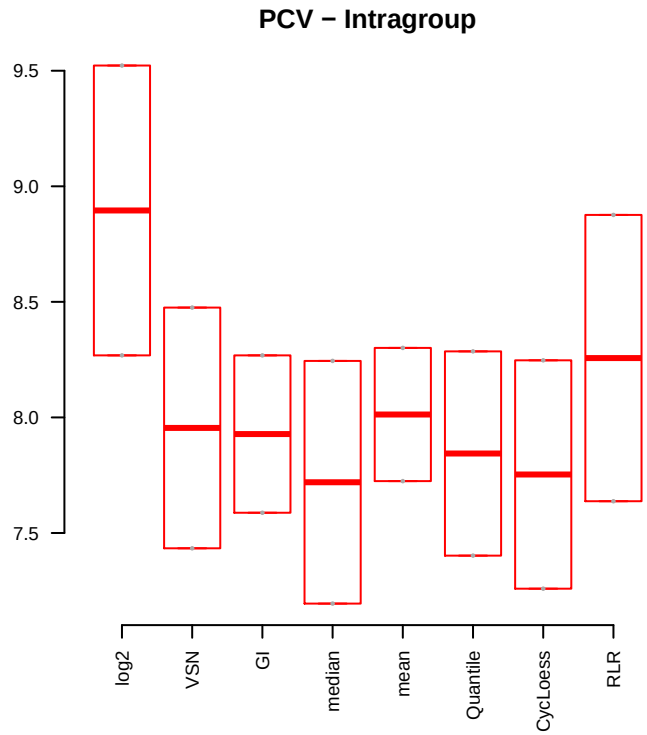
Citation: NormalyzerDE: Online Tool for Improved Normalization of Omics Expression Data and High−Sensitivity Differential Expression Analysis
Journal of Proteome Research (2018), 10.1021/acs.jproteome.8b00523

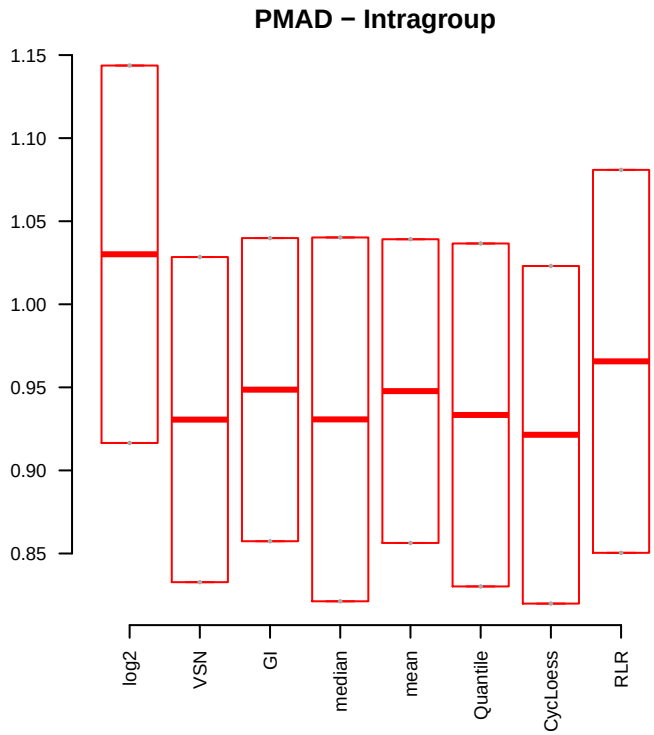
Documentation for analyzing this report can be found at http://quantitativeproteomics.org/normalyzer/help.php

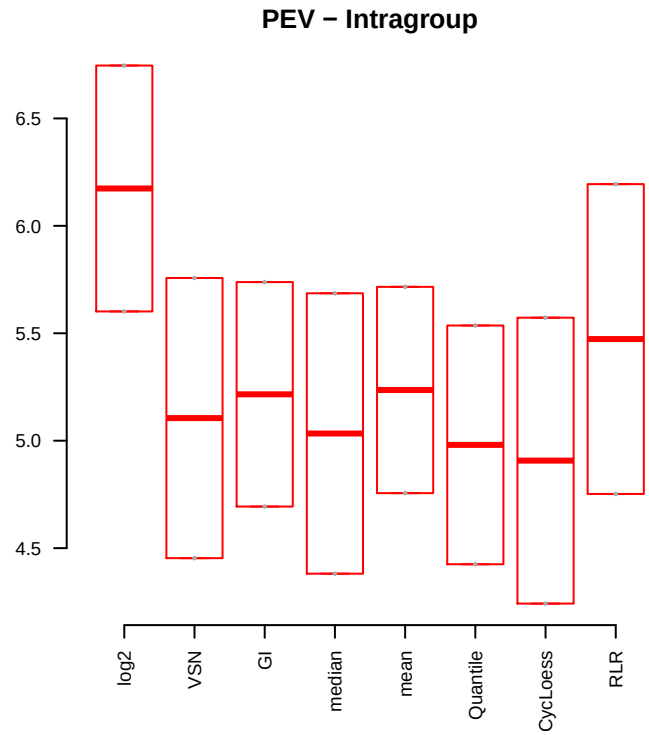

Total intensity
1.4e+11
1.2e+11
1.0e+11
8.0e+10
6.0e+10
4.0e+10
2.0e+10
0.0e+00
intensity_
intensity_
intensity_
intensity_
intensity_
intensity_

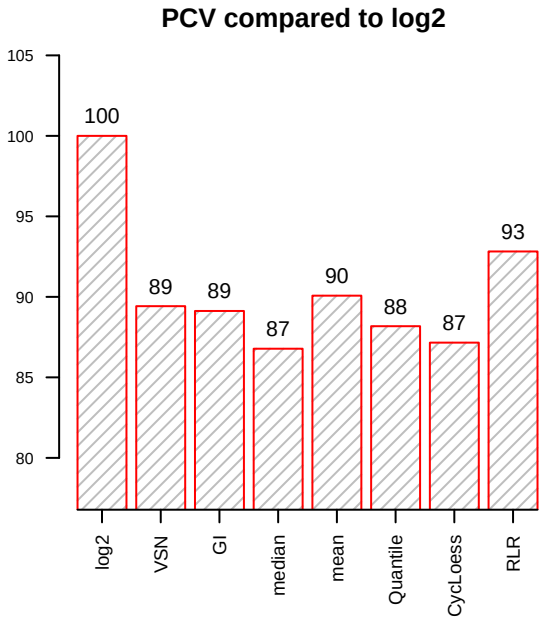

Total missing
500
400
300
200
100
0
intensity_
intensity_
intensity_
intensity_
intensity_
intensity_

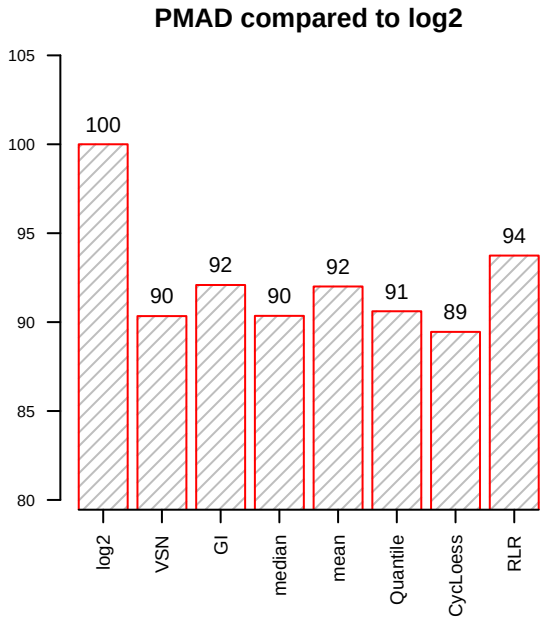

Log2−MDS plot
10
5
0
−5
2
1
2
2
1
−10
−5
0
5
10

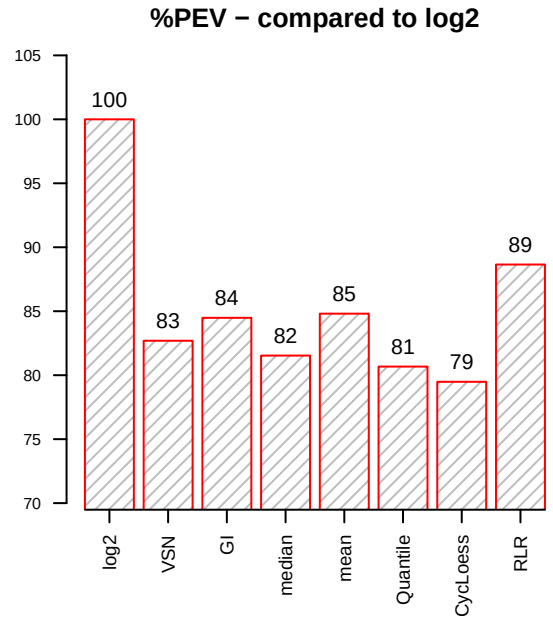

PCV − Intragroup
9.5
9.0
8.5
8.0
7.5
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

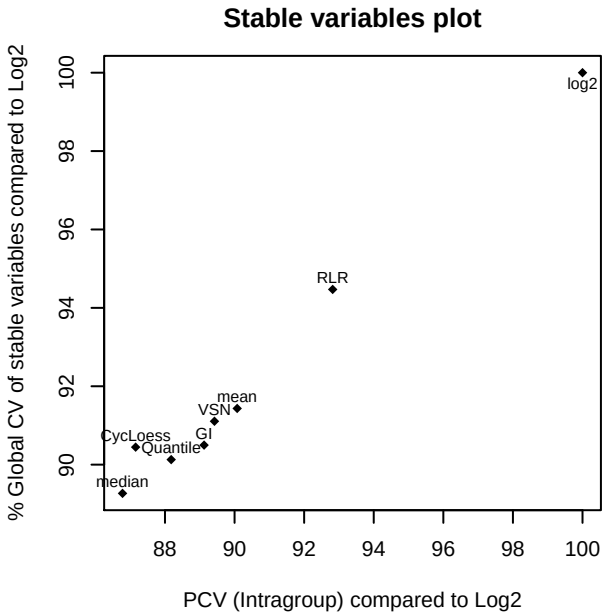

PMAD − Intragroup
1.15
1.10
1.05
1.00
0.95
0.90
0.85
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


PEV − Intragroup
6.5
6.0
5.5
5.0
4.5
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

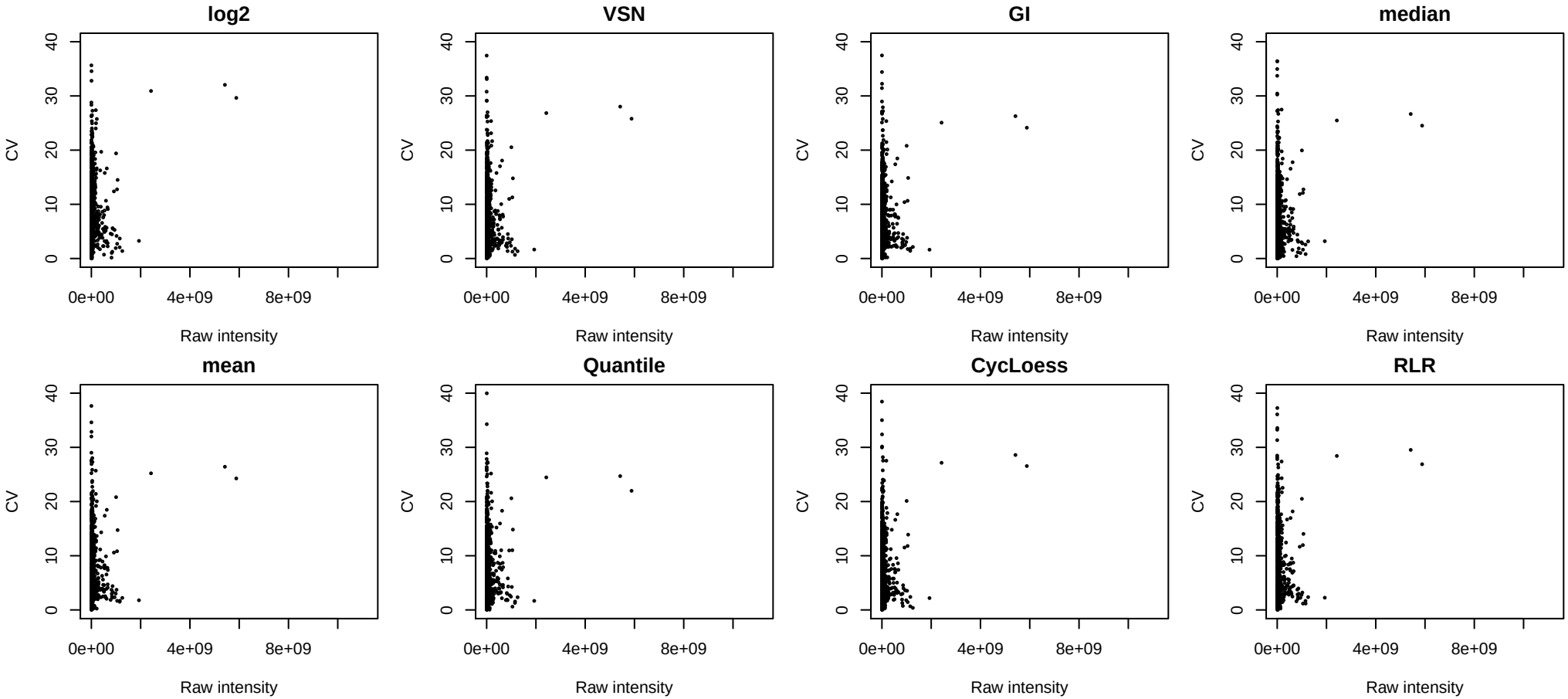

PCV compared to log2
105
100
95
90
85
80
100
89
89
87
90
88
87
93
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

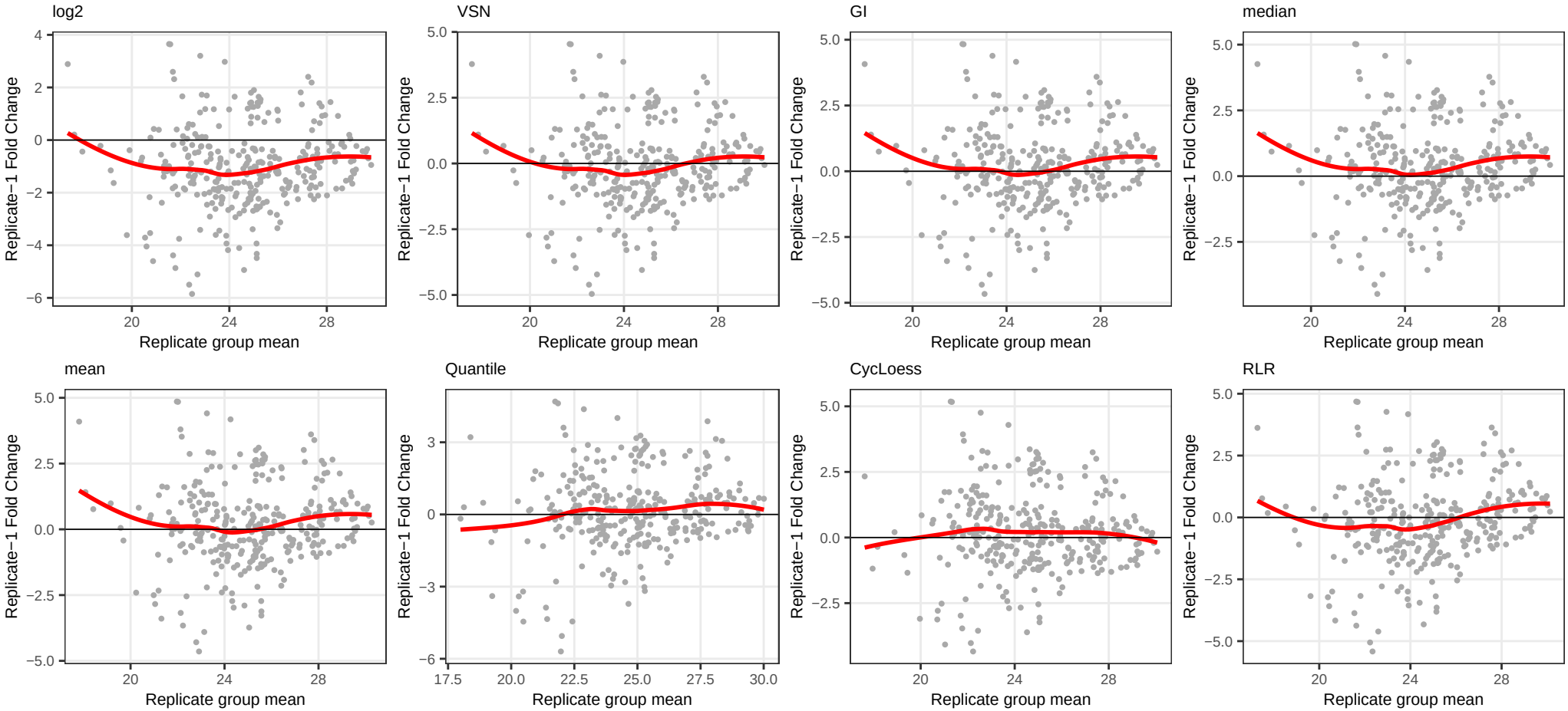

PMAD compared to log2
105
100
95
90
85
80
100
90
92
90
92
91
89
94
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

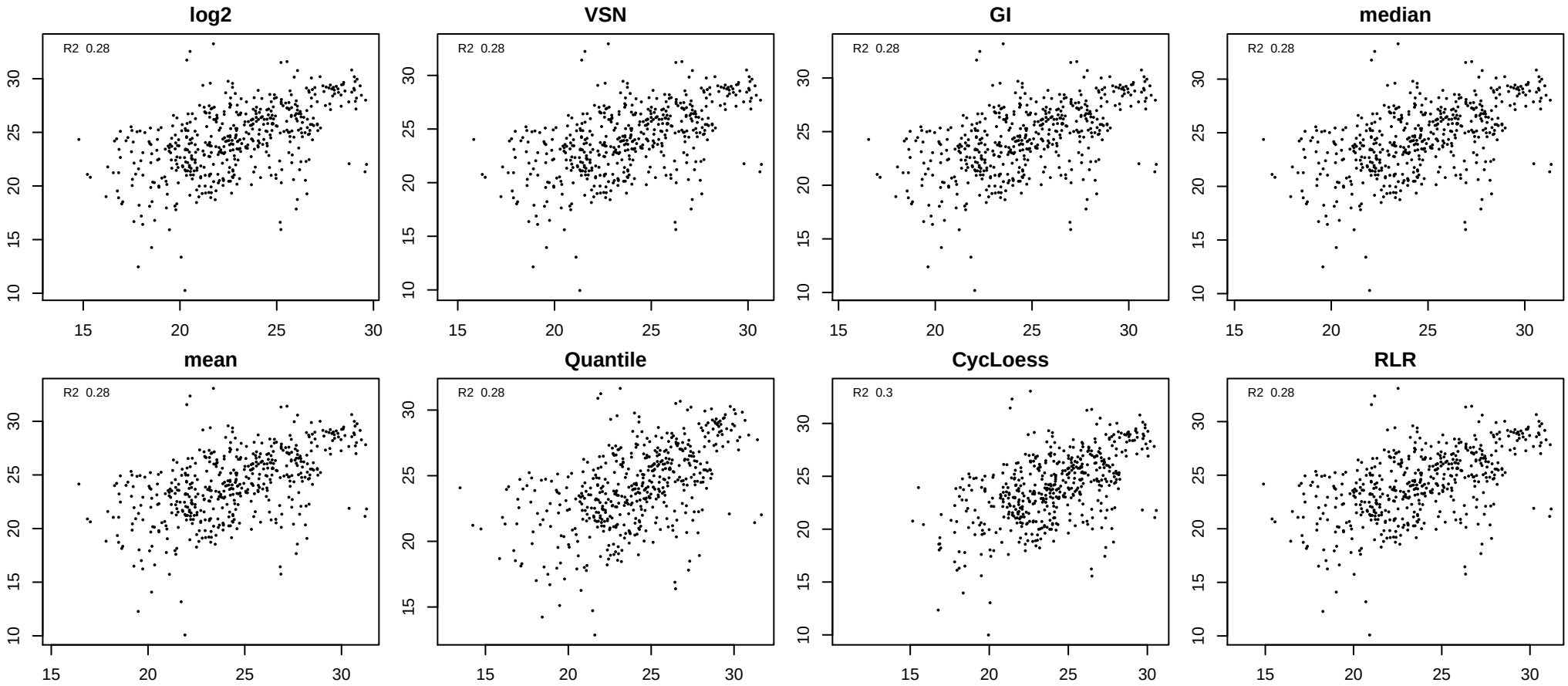

%PEV − compared to log2
105
100
95
90
85
80
75
70
100
83
84
82
85
81
79
89
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


Stable variables plot
% Global CV of stable variables compared to Log2
100
98
96
94
92
90
log2
RLR
mean
VSN
GI
CycLoess
Quantile
median
88
90
92
94
96
98
100
PCV (Intragroup) compared to Log2

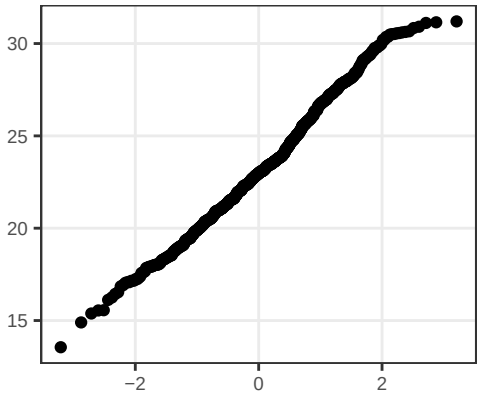
CV vs Raw Intensity plots



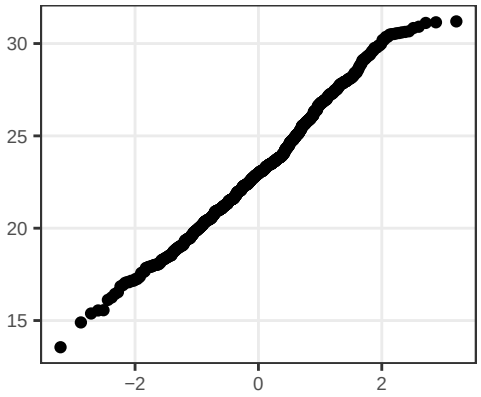

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
Replicate−1 Fold Change
Replicate group mean


log2
R2 0.28
VSN
R2 0.28
GI
R2 0.28
median
R2 0.28
mean
R2 0.28
Quantile
R2 0.28
CycLoess
R2 0.3
RLR
R2 0.28

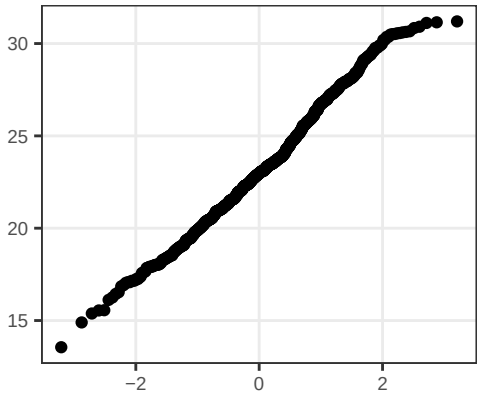
log2



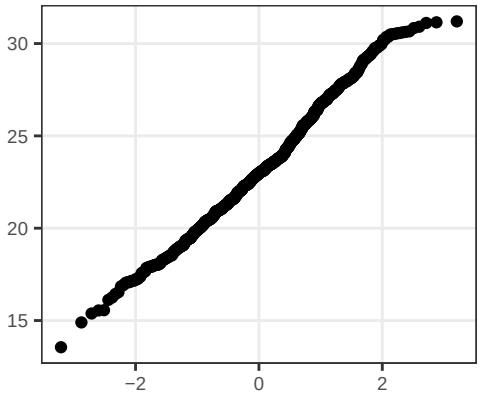
VSN



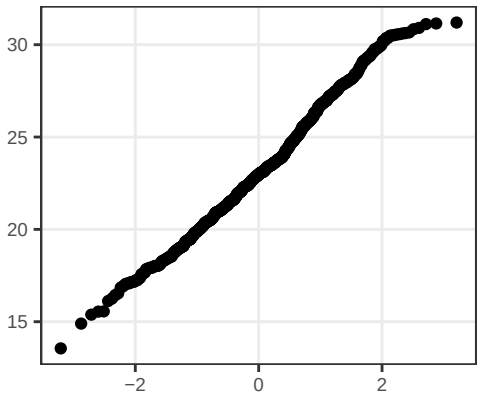
GI



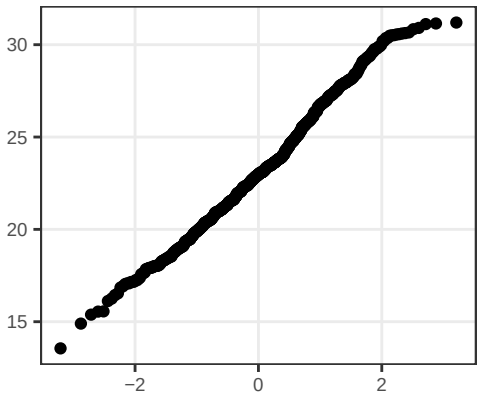
median



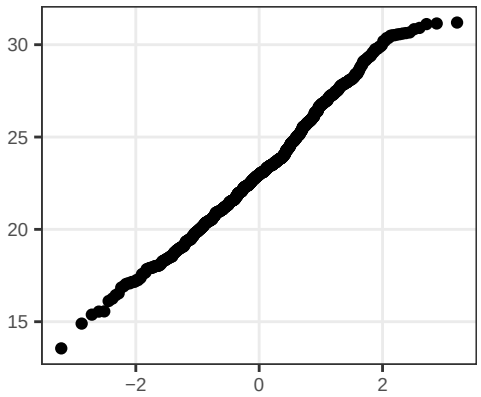
mean



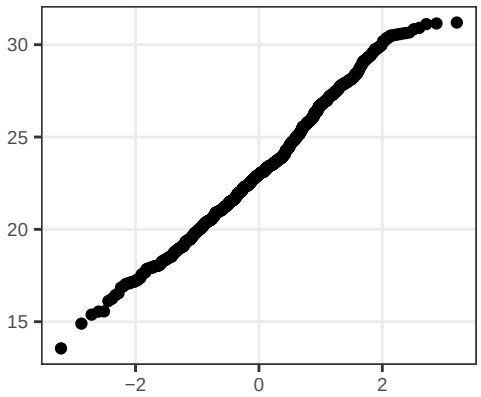
Quantile

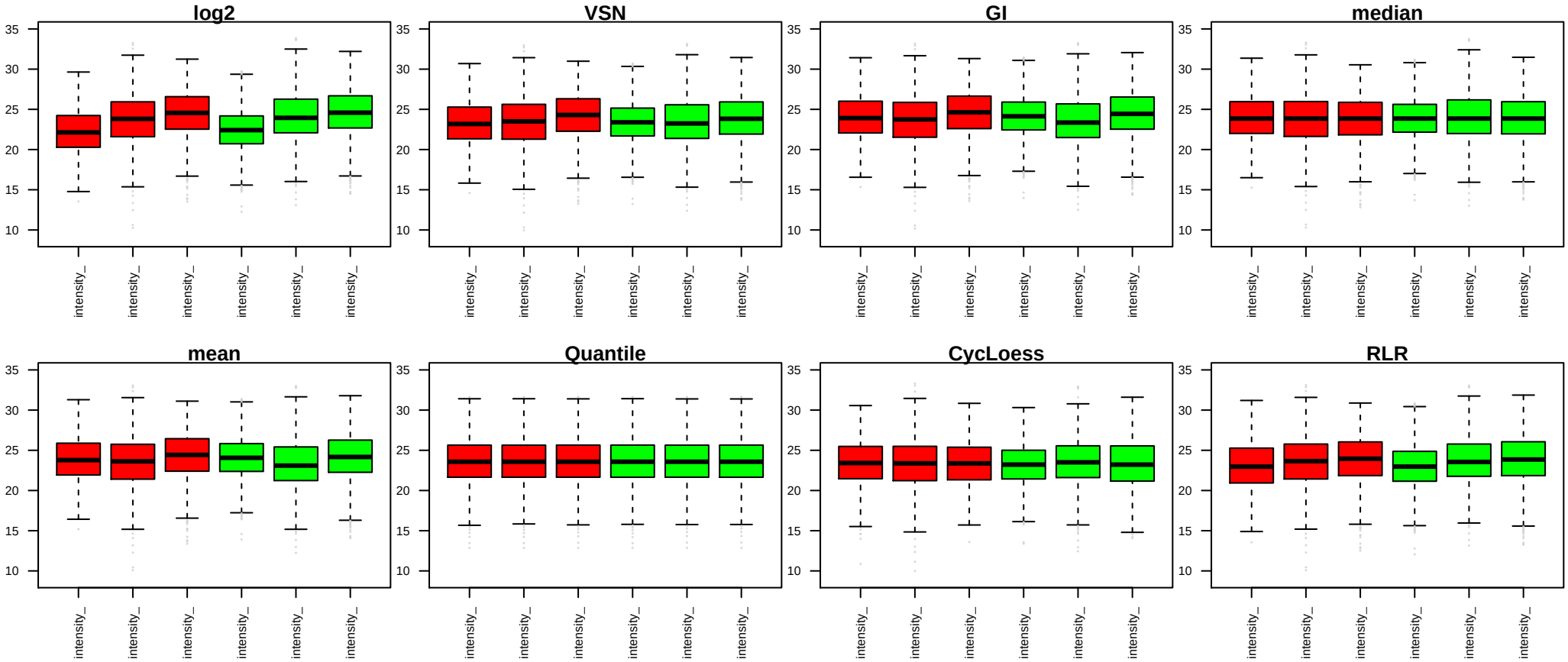


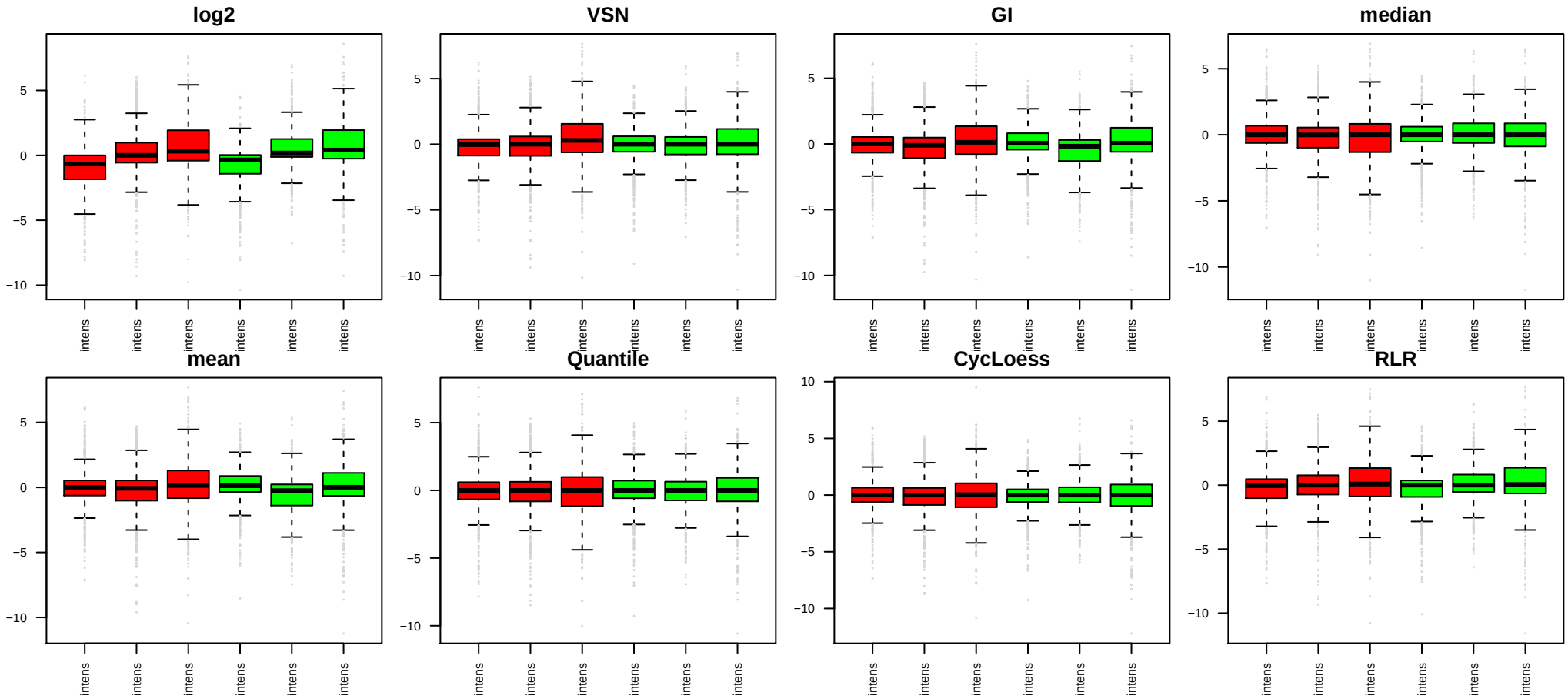
CycLoess



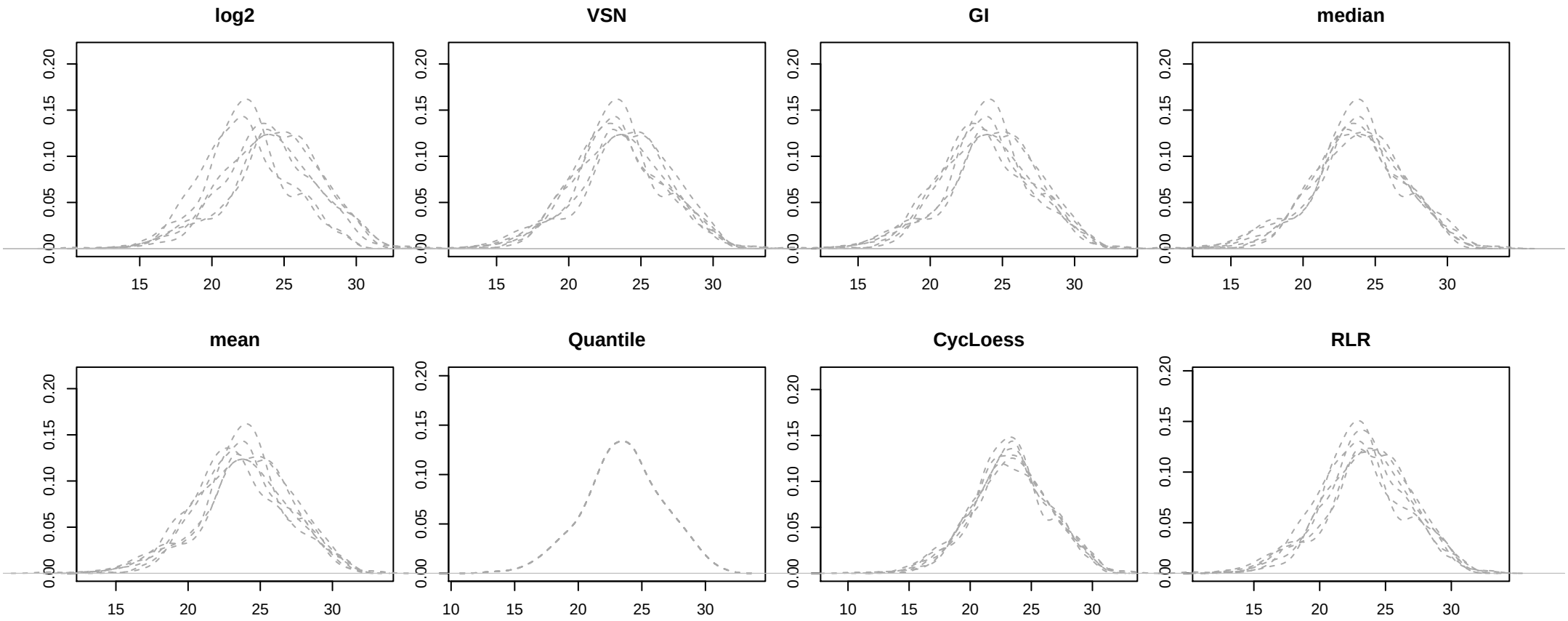
RLR

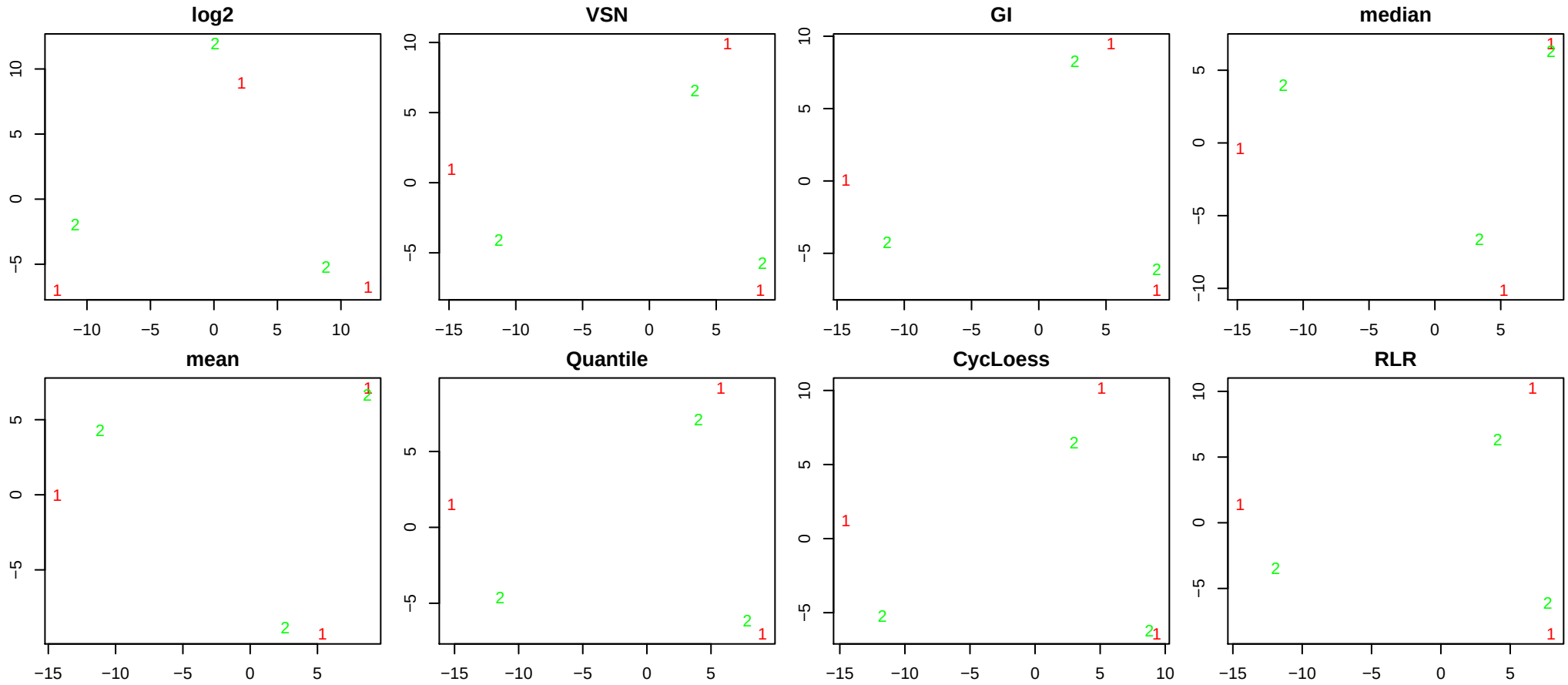



log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
35
30
25
20
15
10
intensity_

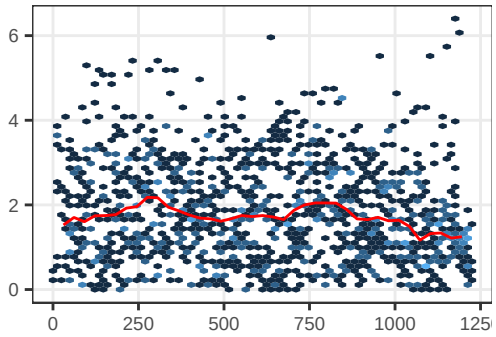

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
intens

Density plots

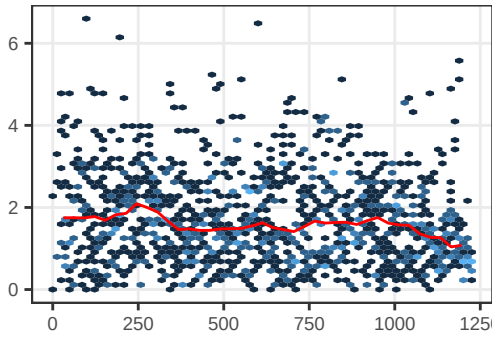



log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

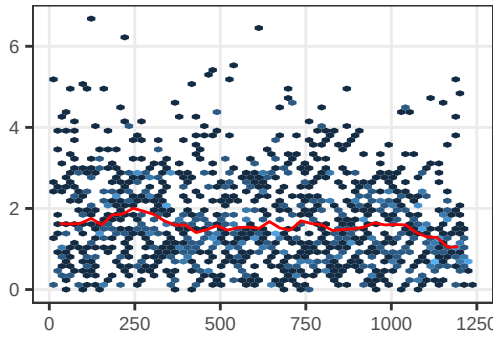
log2



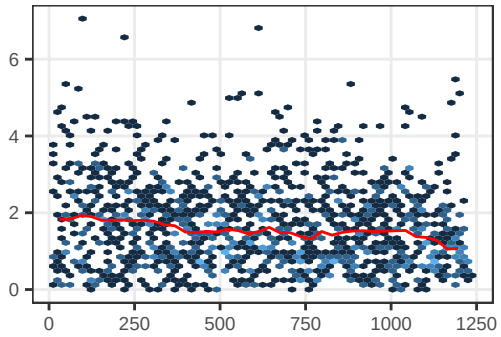
VSN



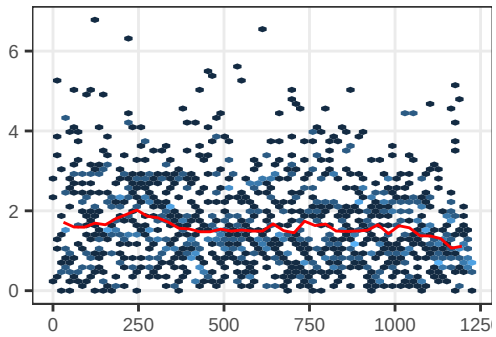
GI



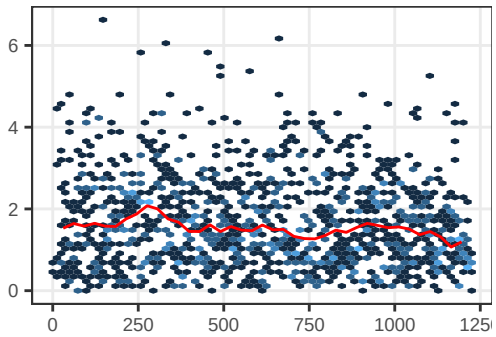
median



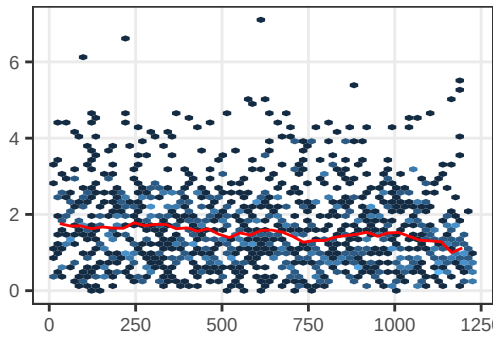
mean



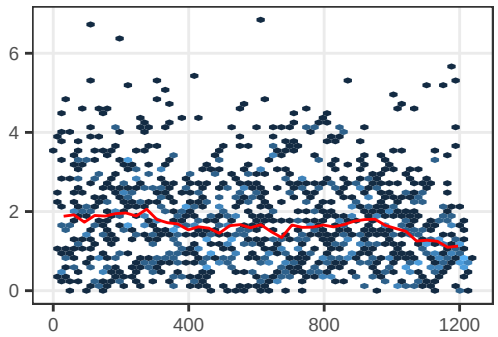
Quantile

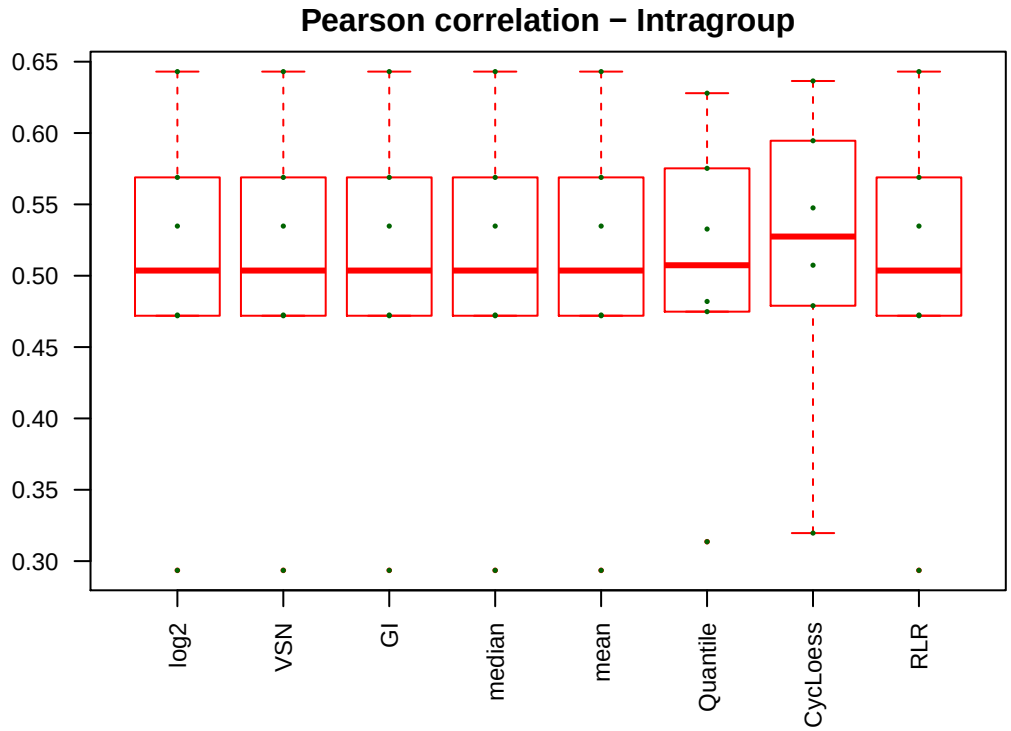


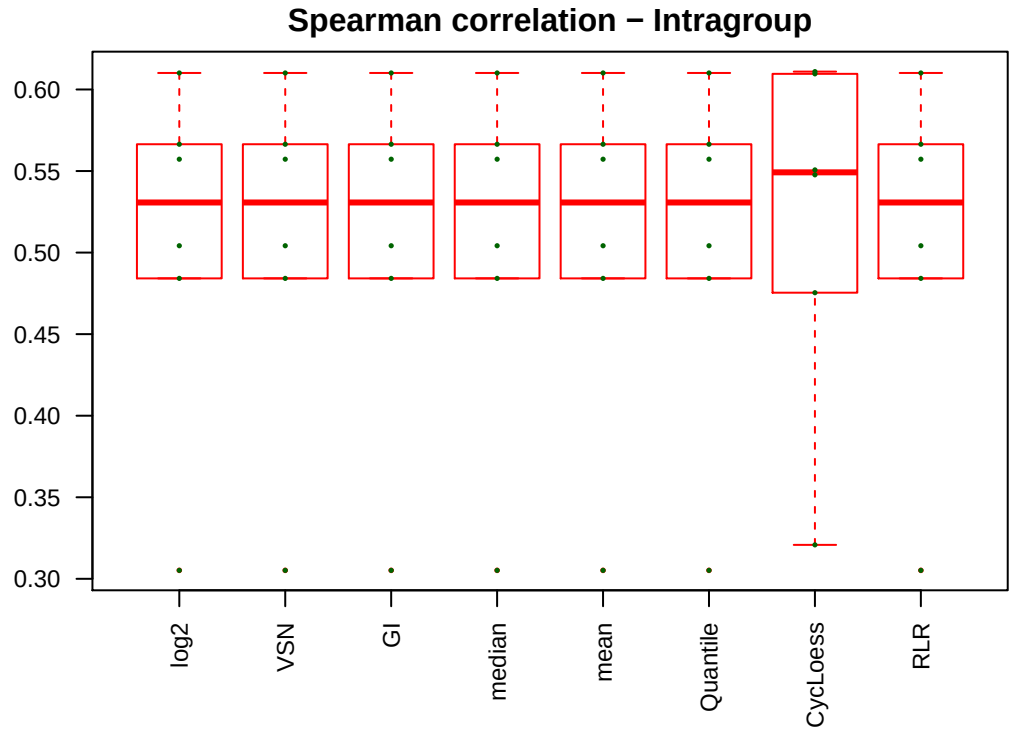
CycLoess

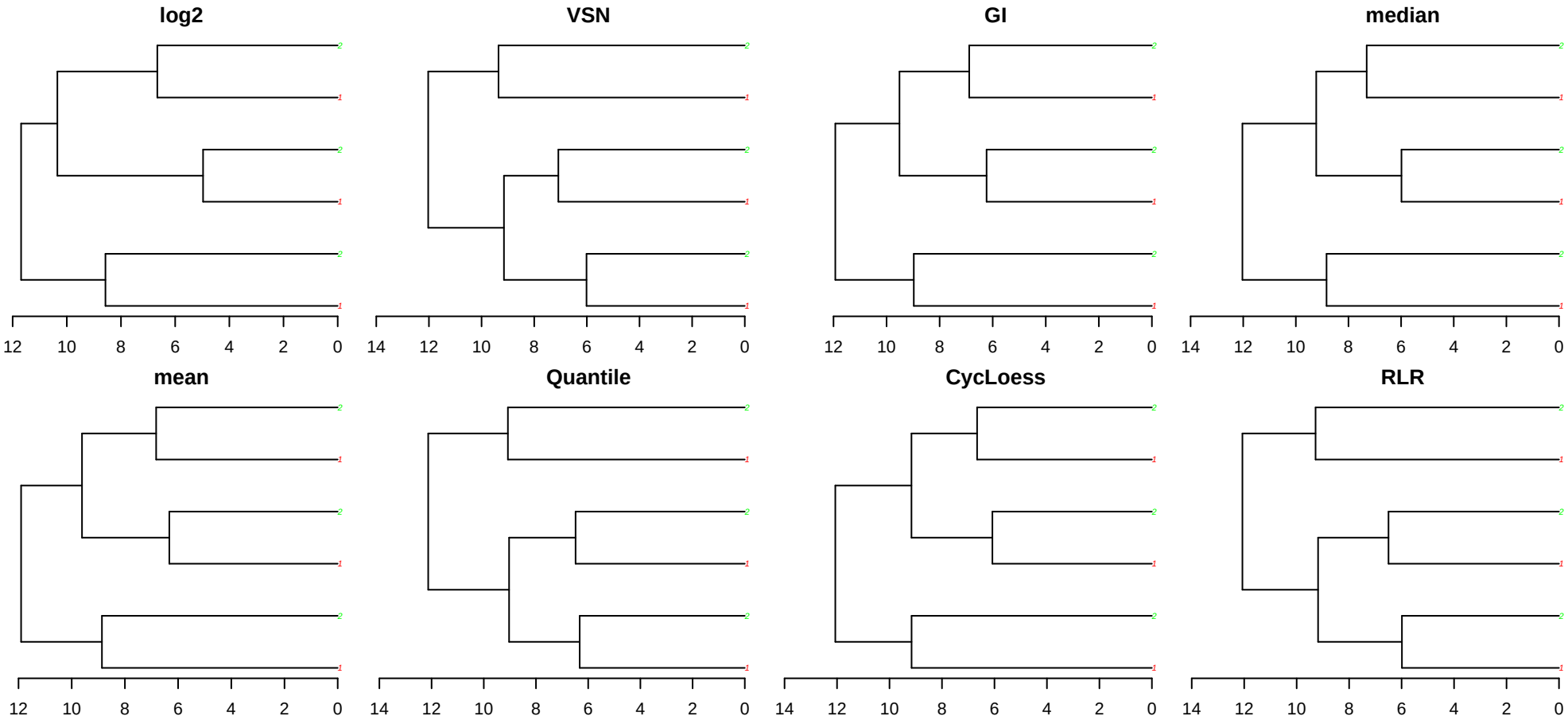


RLR

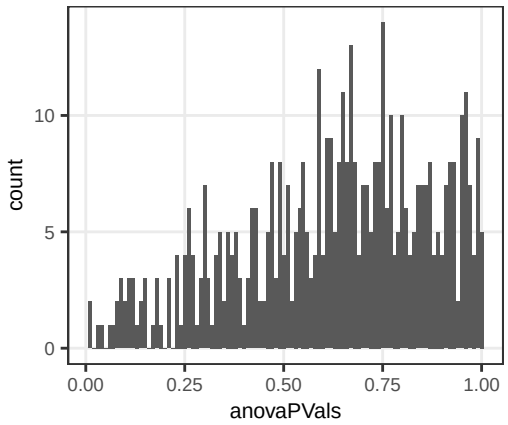



Pearson correlation − Intragroup
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

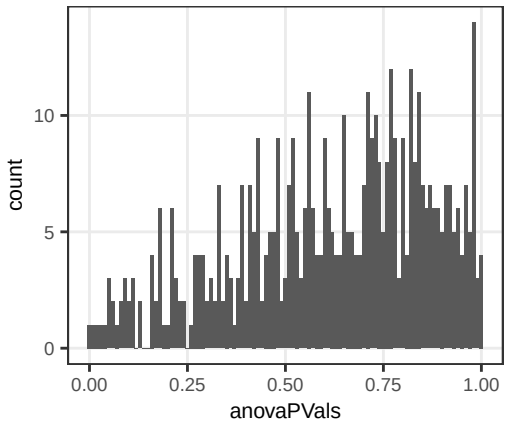

Spearman correlation − Intragroup
0.60
0.55
0.50
0.45
0.40
0.35
0.30
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

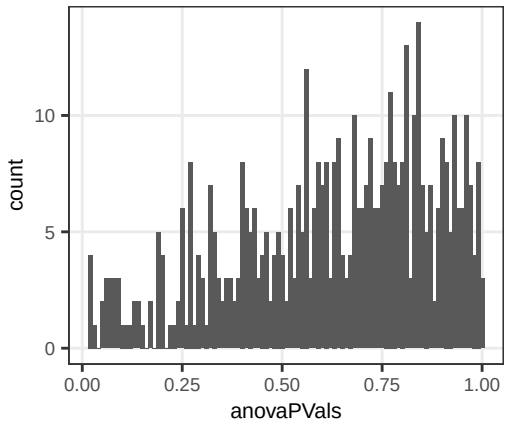
log2



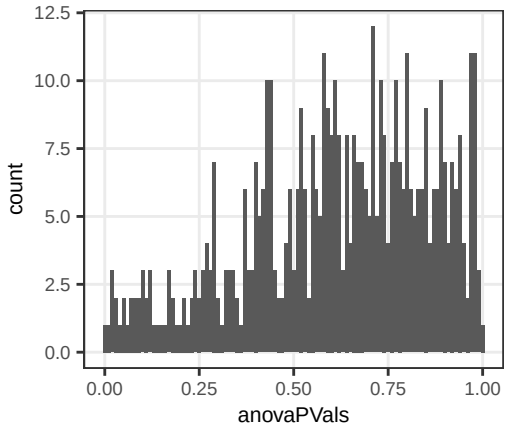
VSN



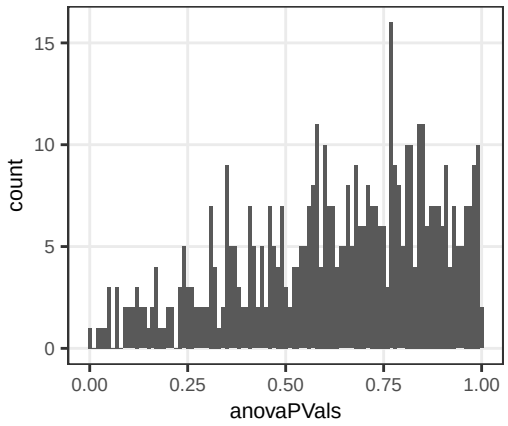
GI



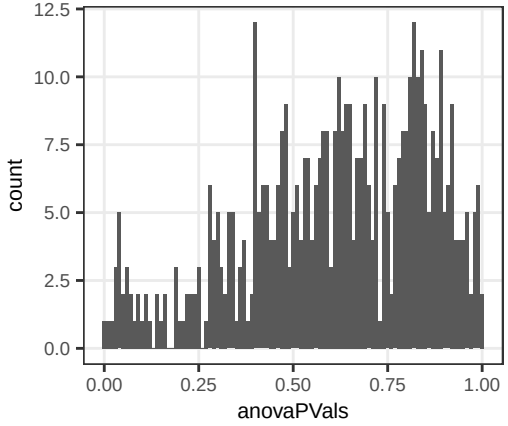
median



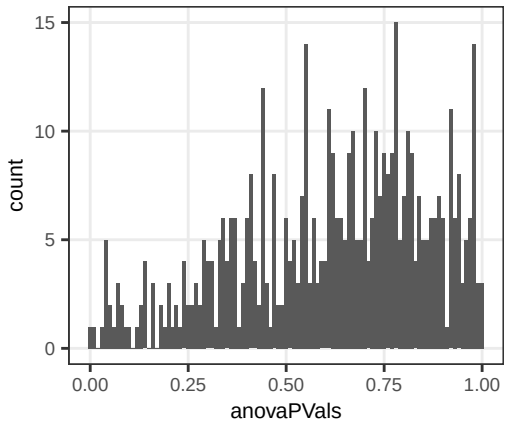
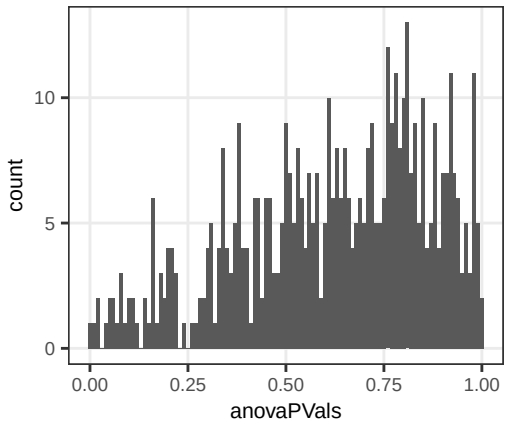
mean



Quantile



CycLoess



RLR