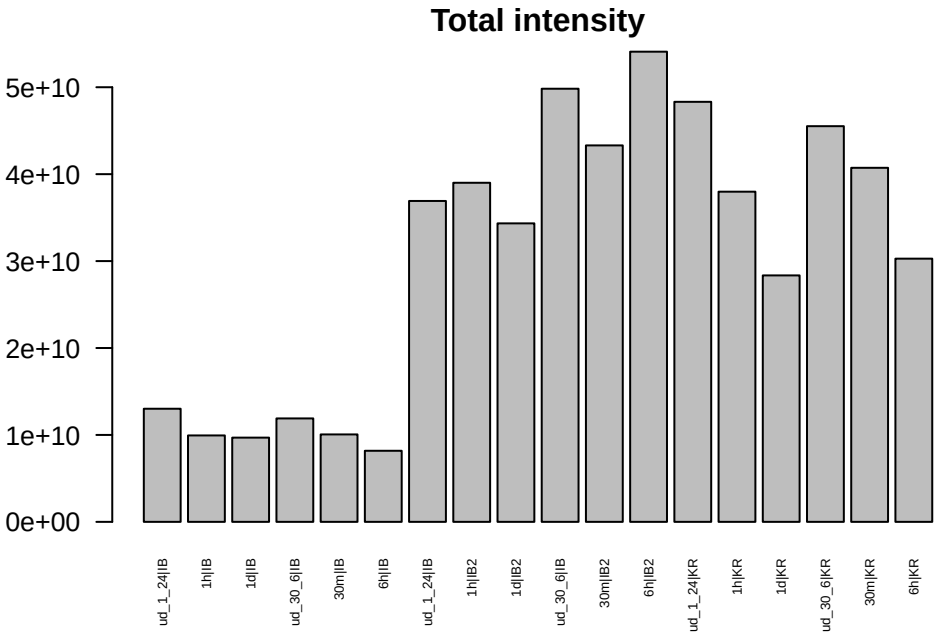
Project Name: junc.exons_peptides

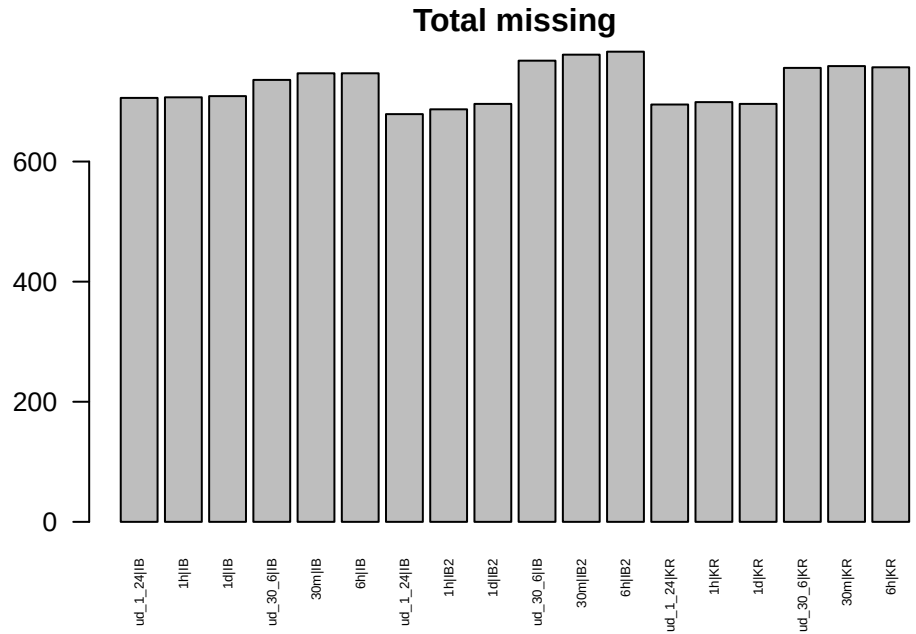
Normalyzer (ver 1.4.0)

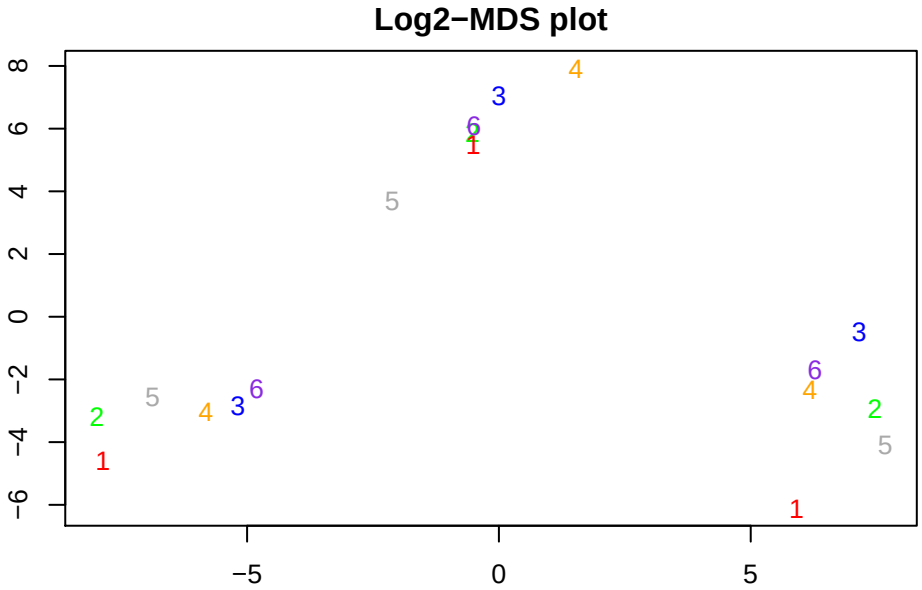
Report created on: 2020−05−05

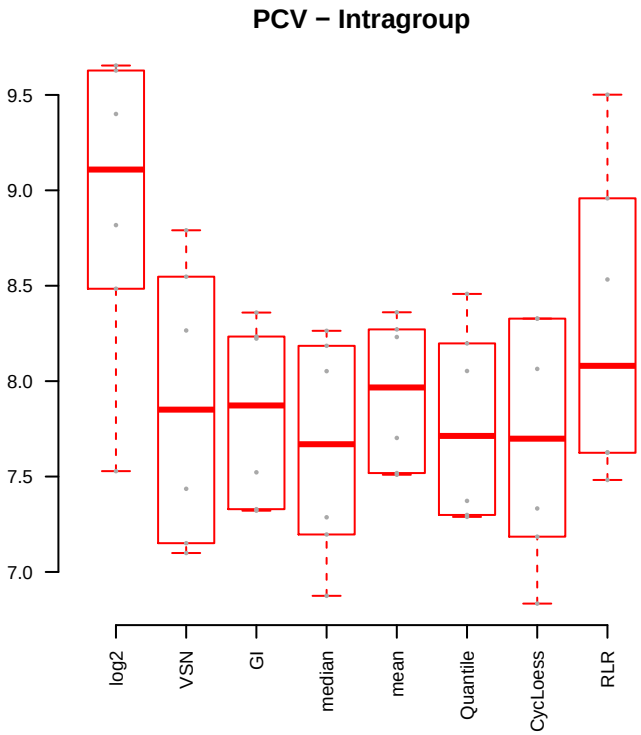
Citation: NormalyzerDE: Online Tool for Improved Normalization of Omics Expression Data and High−Sensitivity Differential Expression Analysis
Journal of Proteome Research (2018), 10.1021/acs.jproteome.8b00523

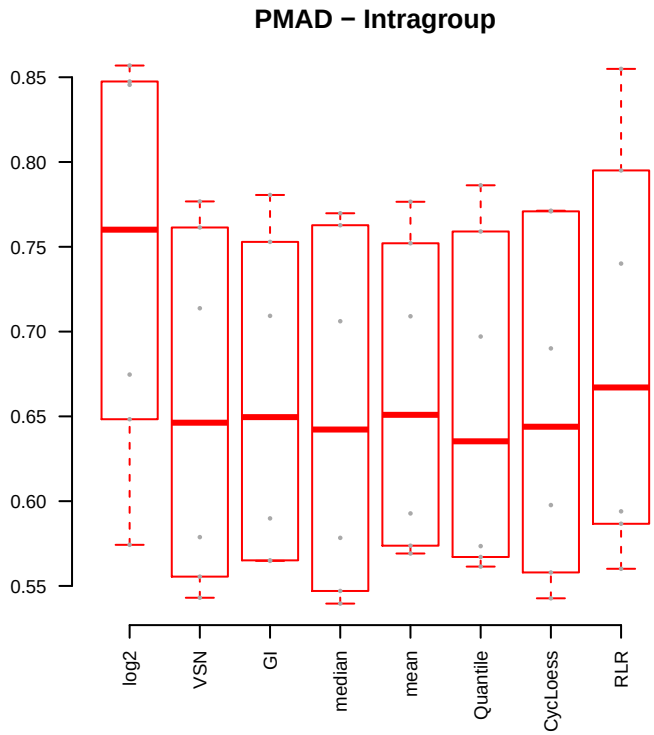
Documentation for analyzing this report can be found at http://quantitativeproteomics.org/normalyzer/help.php

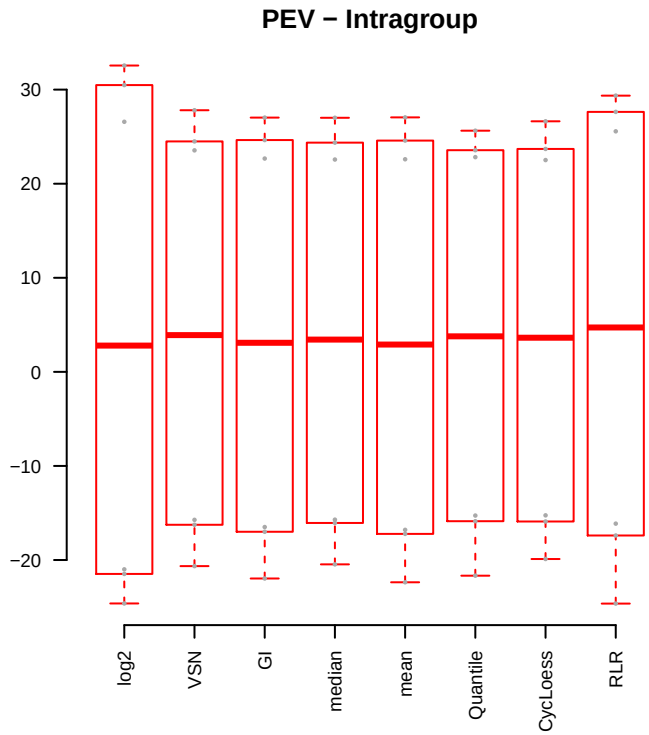

Total intensity
5e+10
4e+10
3e+10
2e+10
1e+10
0e+00
ud_1_24|IB
1h|IB
1d|IB
ud_30_6|IB
30m|IB
6h|IB
ud_1_24|IB
1h|IB2
1d|IB2
ud_30_6|IB
30m|IB2
6h|IB2
ud_1_24|KR
1h|KR
1d|KR
ud_30_6|KR
30m|KR
6h|KR

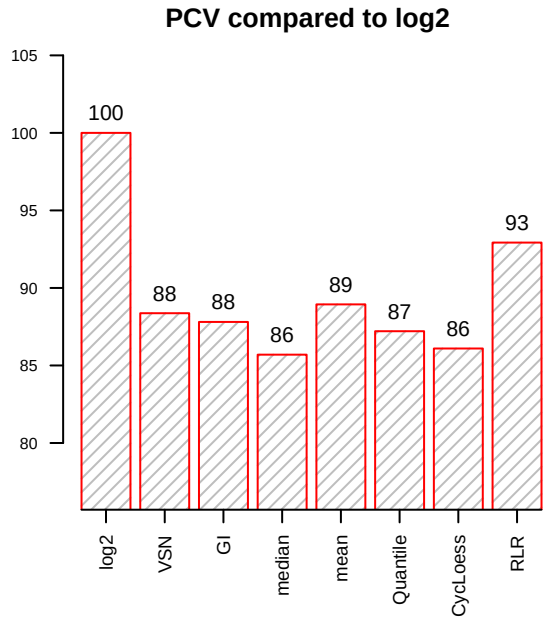

Total missing
600
400
200
0
ud_1_24|IB
1h|IB
1d|IB
ud_30_6|IB
30m|IB
6h|IB
ud_1_24|IB
1h|IB2
1d|IB2
ud_30_6|IB
30m|IB2
6h|IB2
ud_1_24|KR
1h|KR
1d|KR
ud_30_6|KR
30m|KR
6h|KR

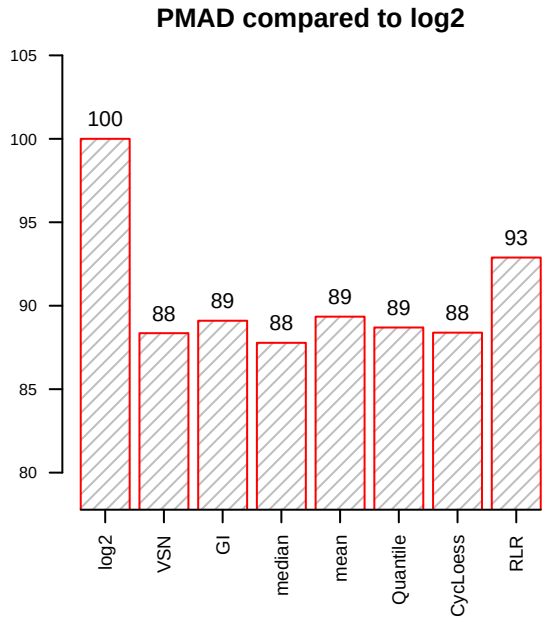

Log2−MDS plot
8
6
4
2
0
−2
−4
−6
−5
0
5

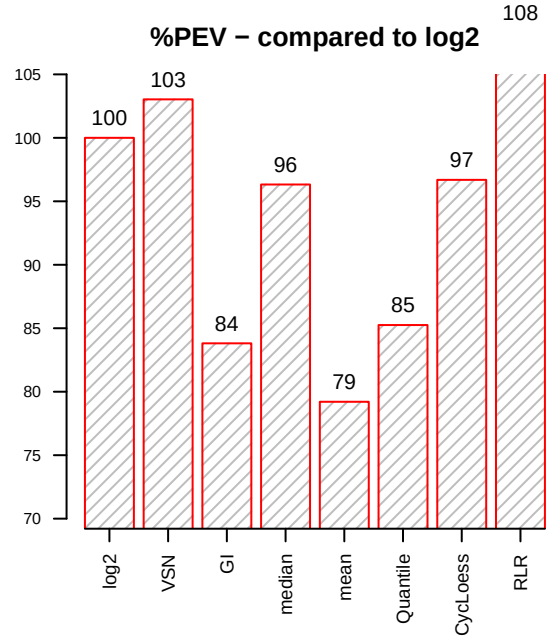

PCV − Intragroup
9.5
9.0
8.5
8.0
7.5
7.0
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

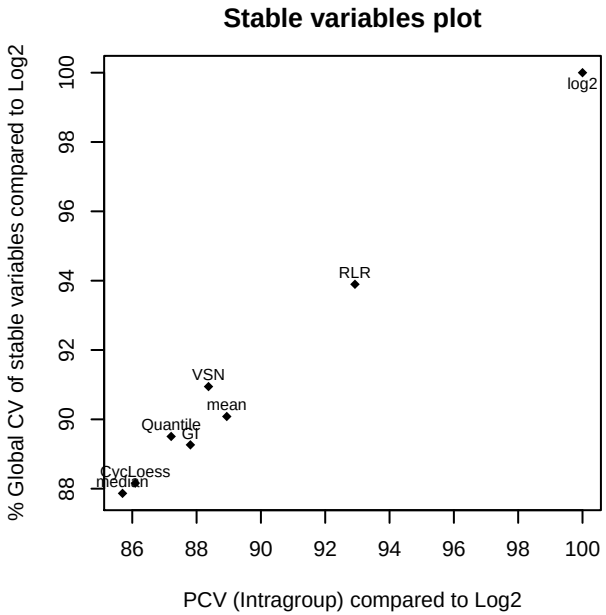

PMAD − Intragroup
0.85
0.80
0.75
0.70
0.65
0.60
0.55
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


PEV − Intragroup
30
20
10
0
−10
−20
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

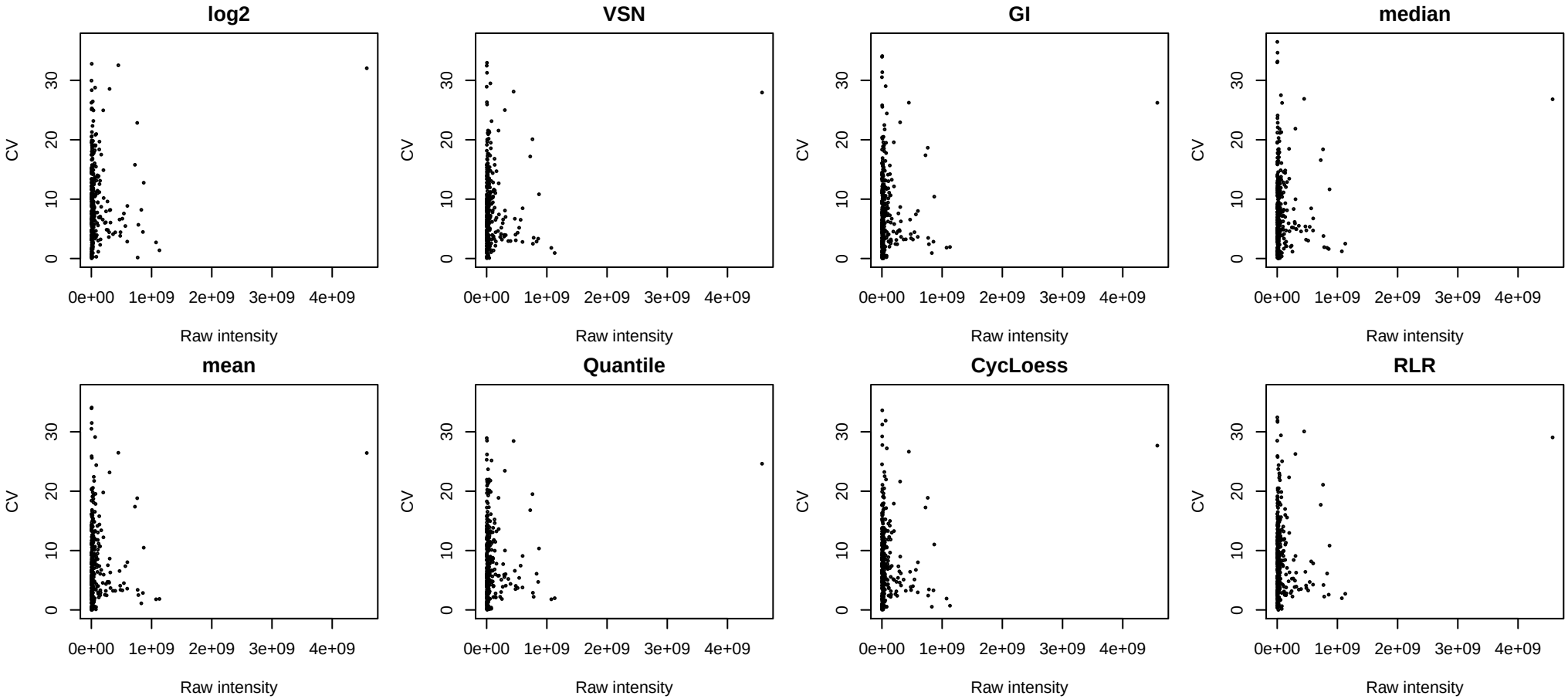

PCV compared to log2
105
100
95
90
85
80
100
88
88
86
89
87
86
93
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


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

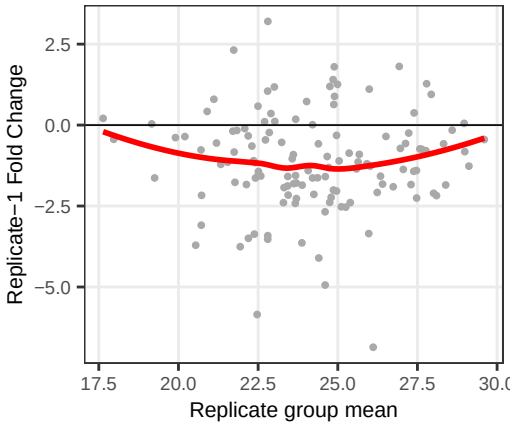

%PEV − compared to log2
108
105
100
95
90
85
80
75
70
100
103
84
96
79
85
97
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


Stable variables plot
% Global CV of stable variables compared to Log2
PCV (Intragroup) compared to Log2
100
98
96
94
92
90
88
86
88
90
92
94
96
98
100
log2
RLR
VSN
mean
Quantile
GI
CycLoess
median

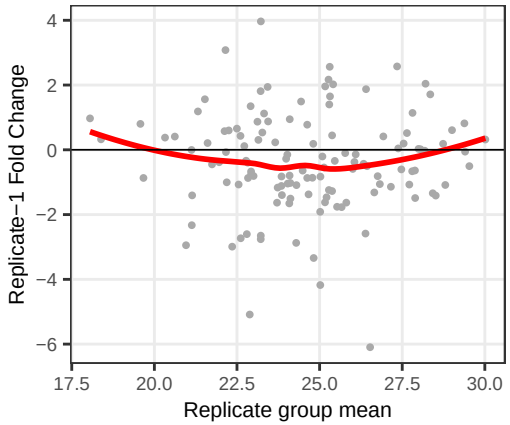
CV vs Raw Intensity plots



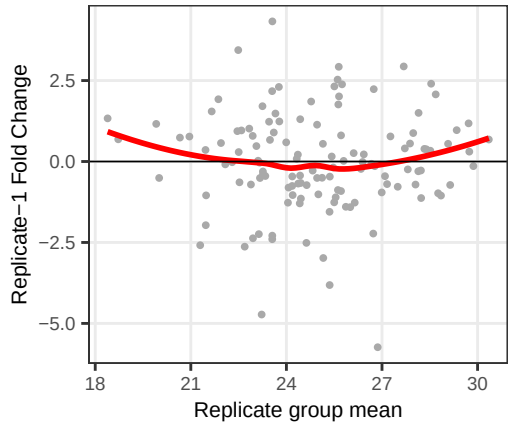
log2



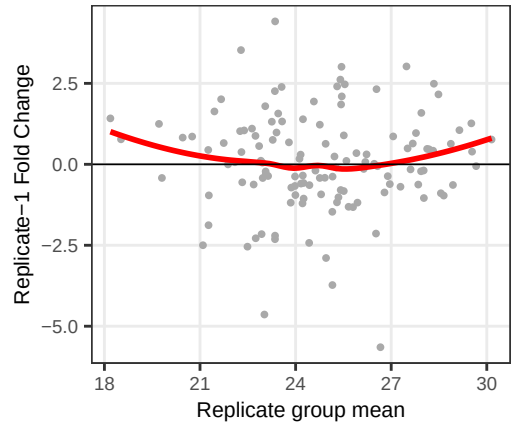
VSN



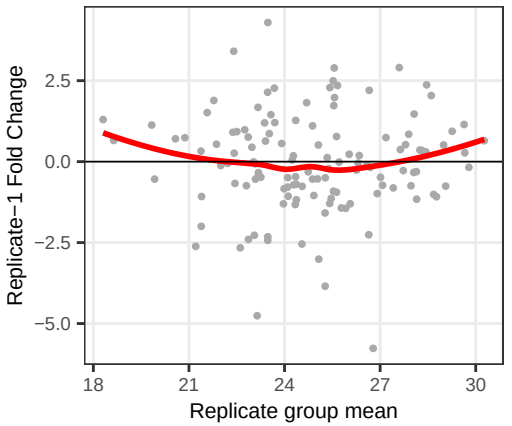
GI



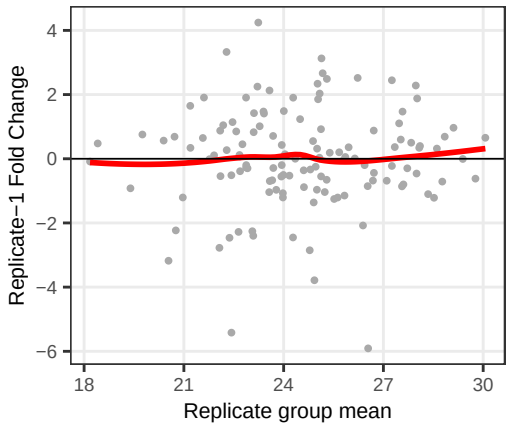
median



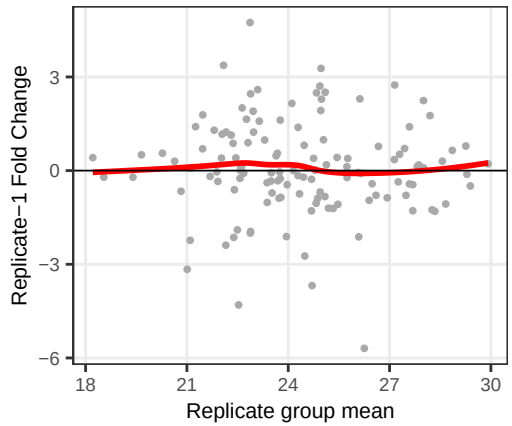
mean



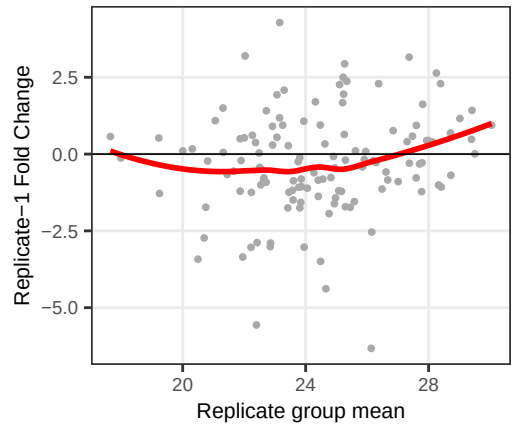
Quantile

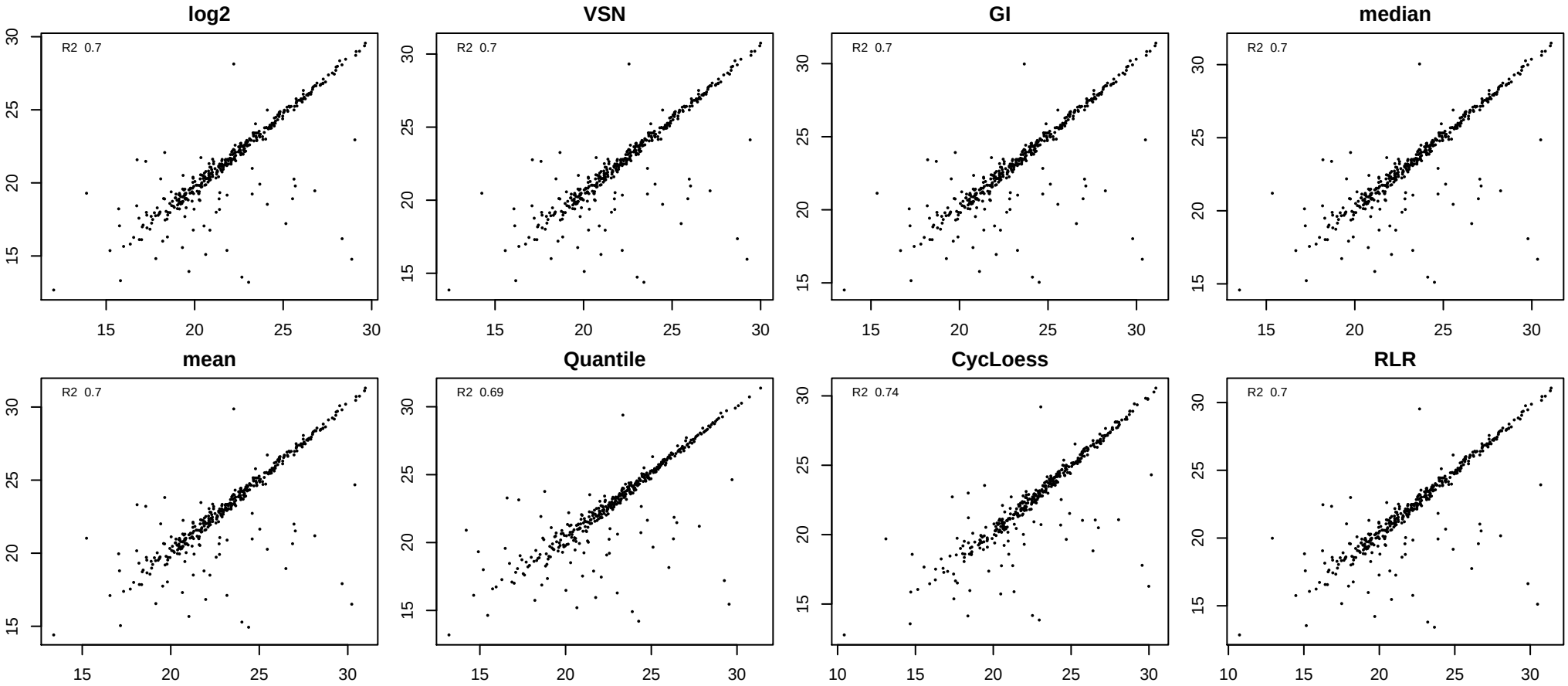


CycLoess

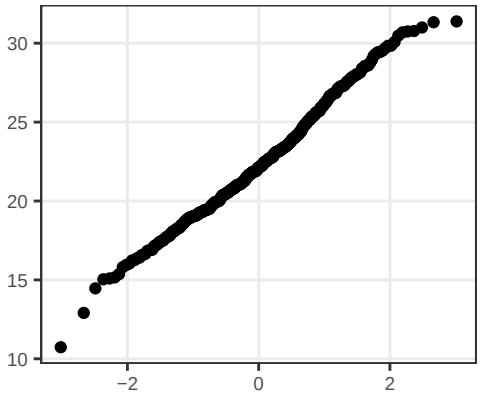


RLR

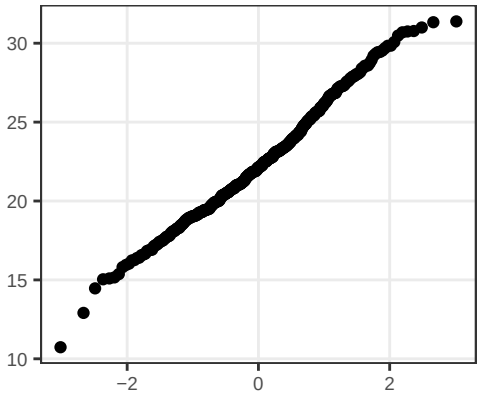



log2
R2 0.7
VSN
R2 0.7
GI
R2 0.7
median
R2 0.7
mean
R2 0.7
Quantile
R2 0.69
CycLoess
R2 0.74
RLR
R2 0.7

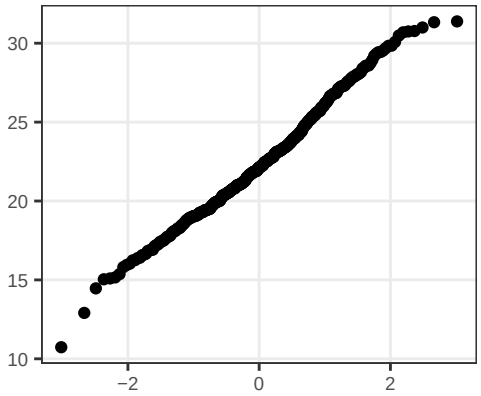
log2



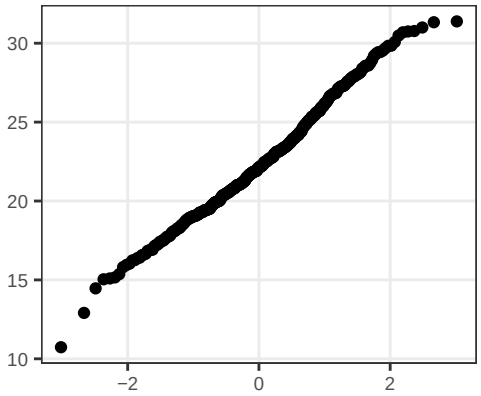
VSN



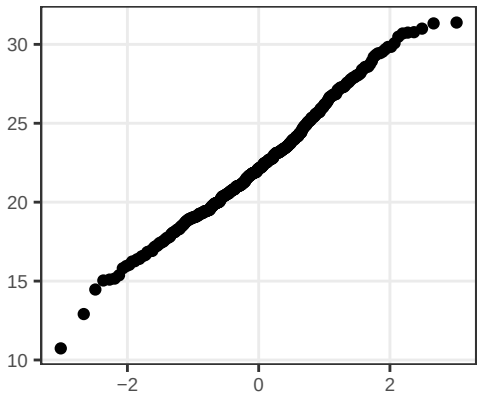
GI



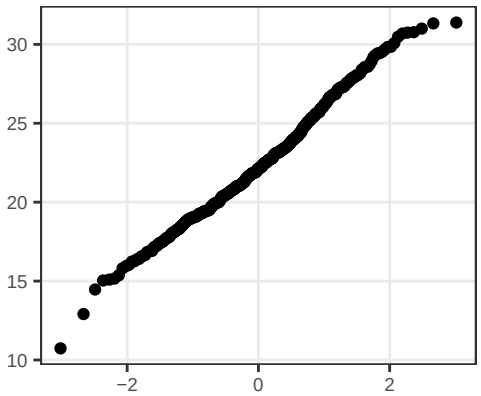
median



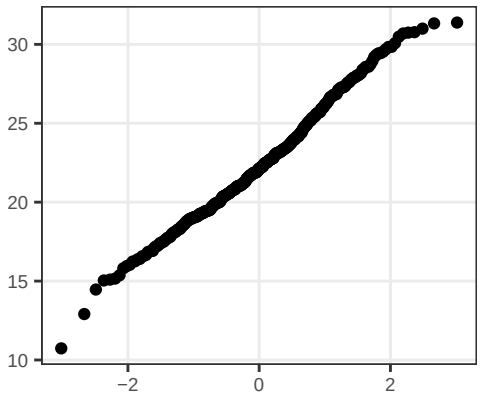
mean



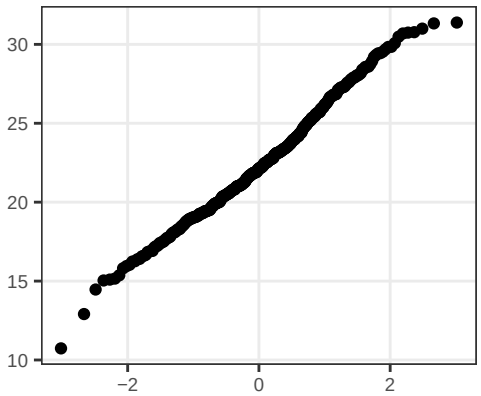
Quantile

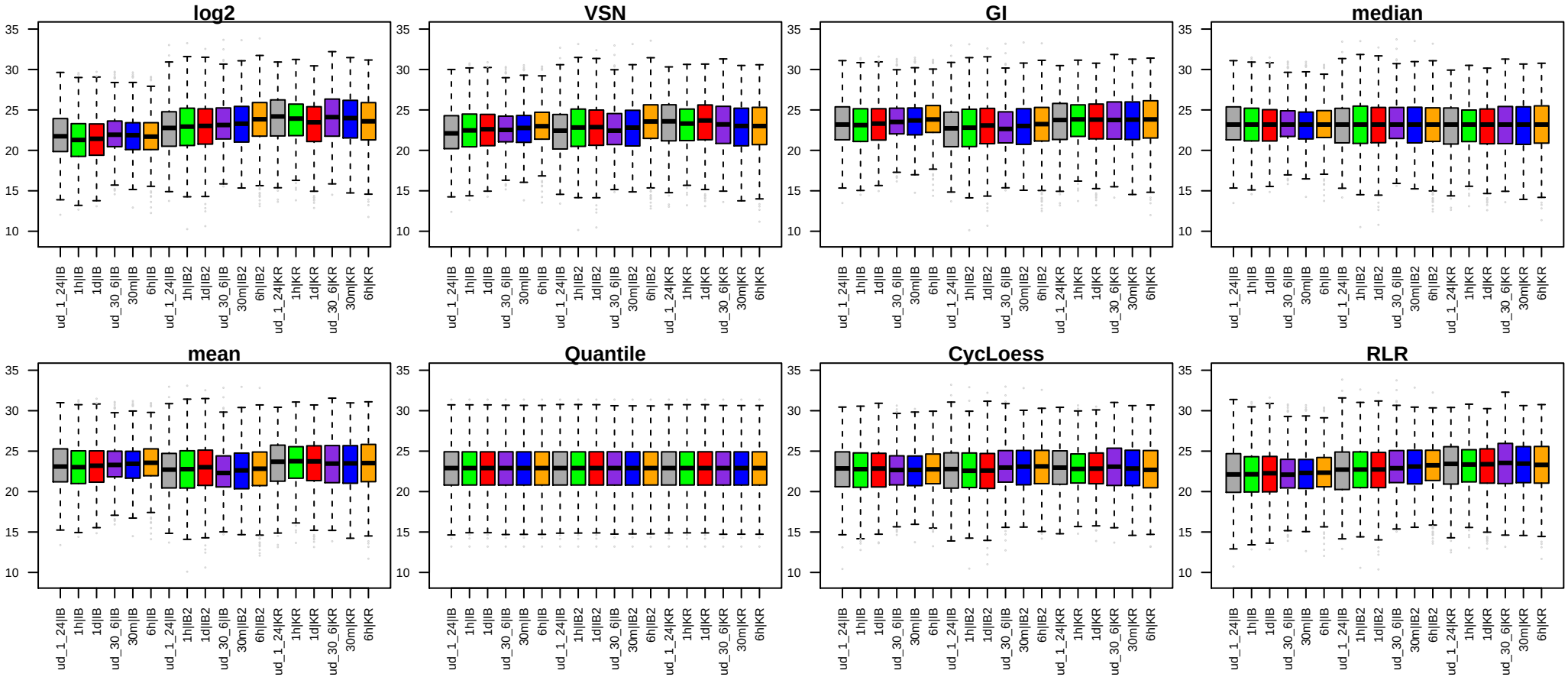


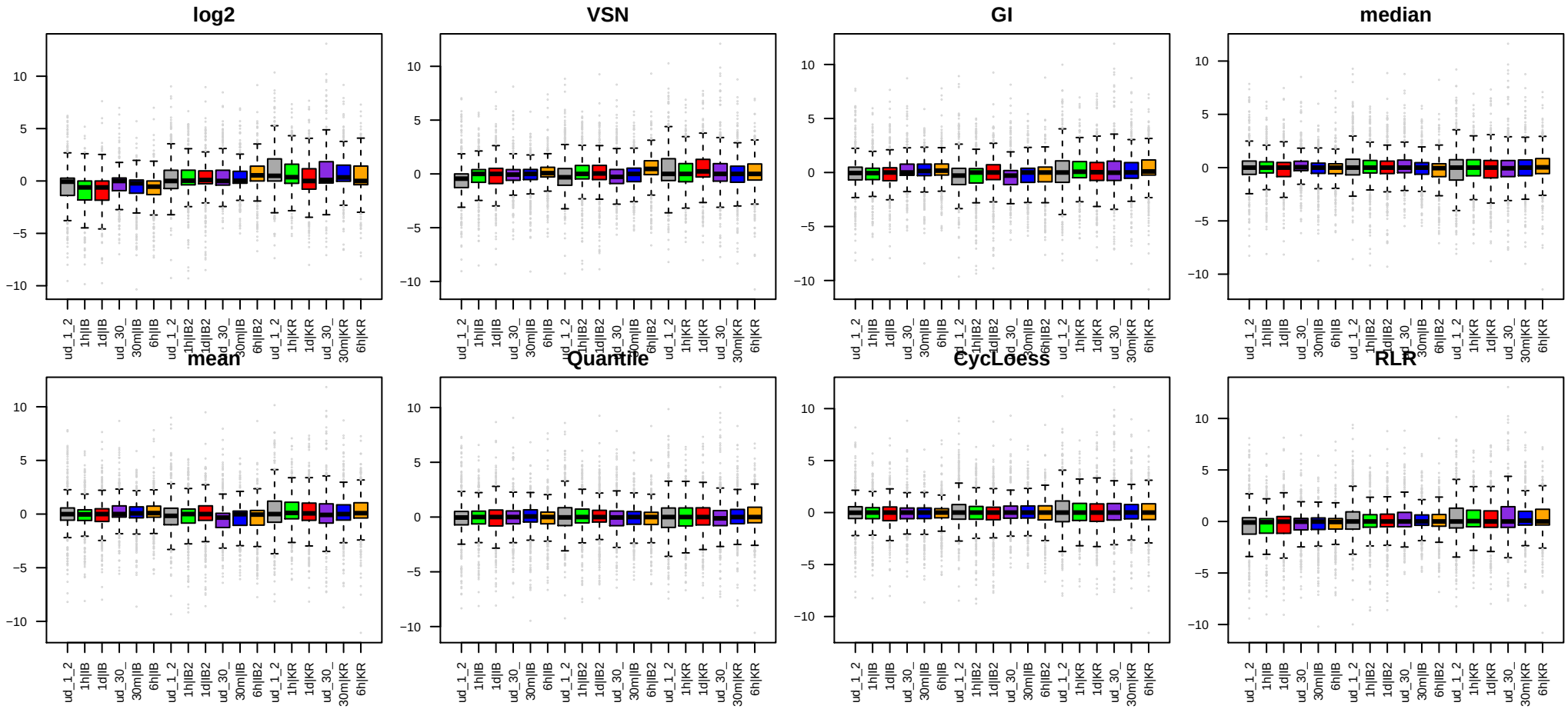
CycLoess



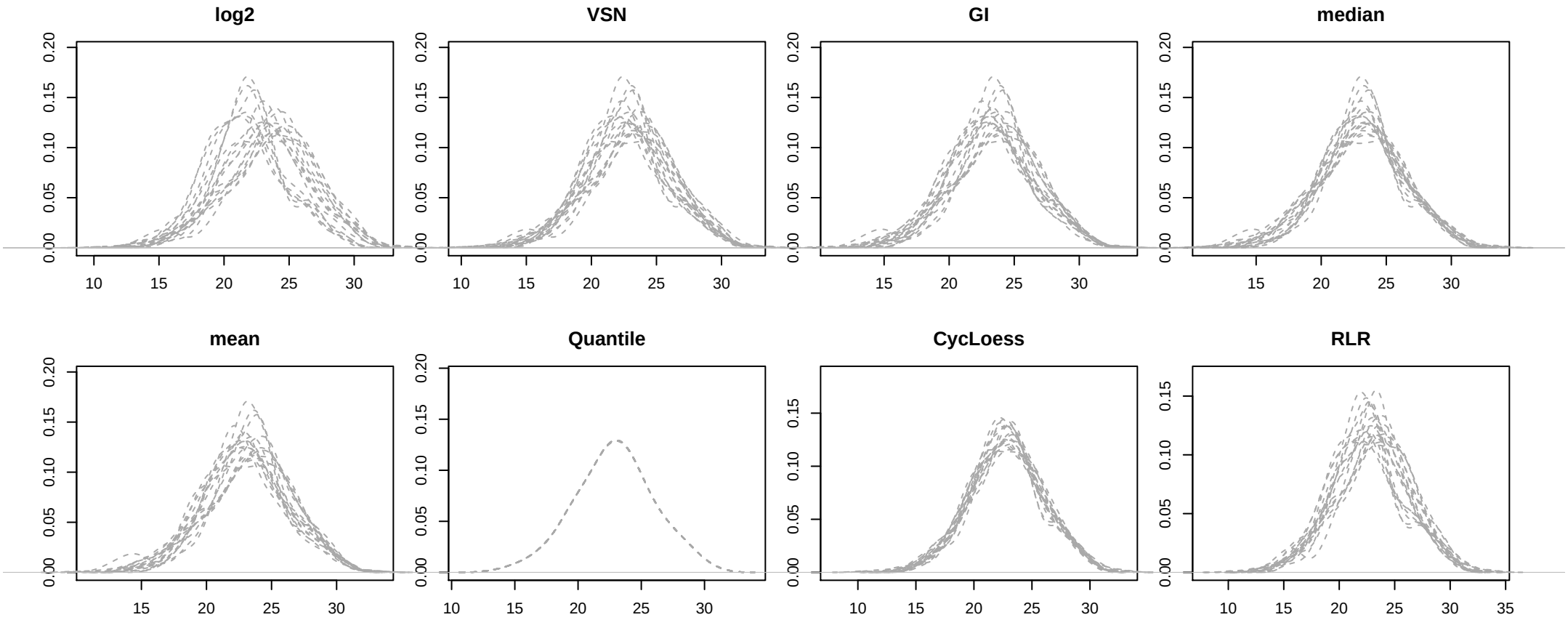
RLR

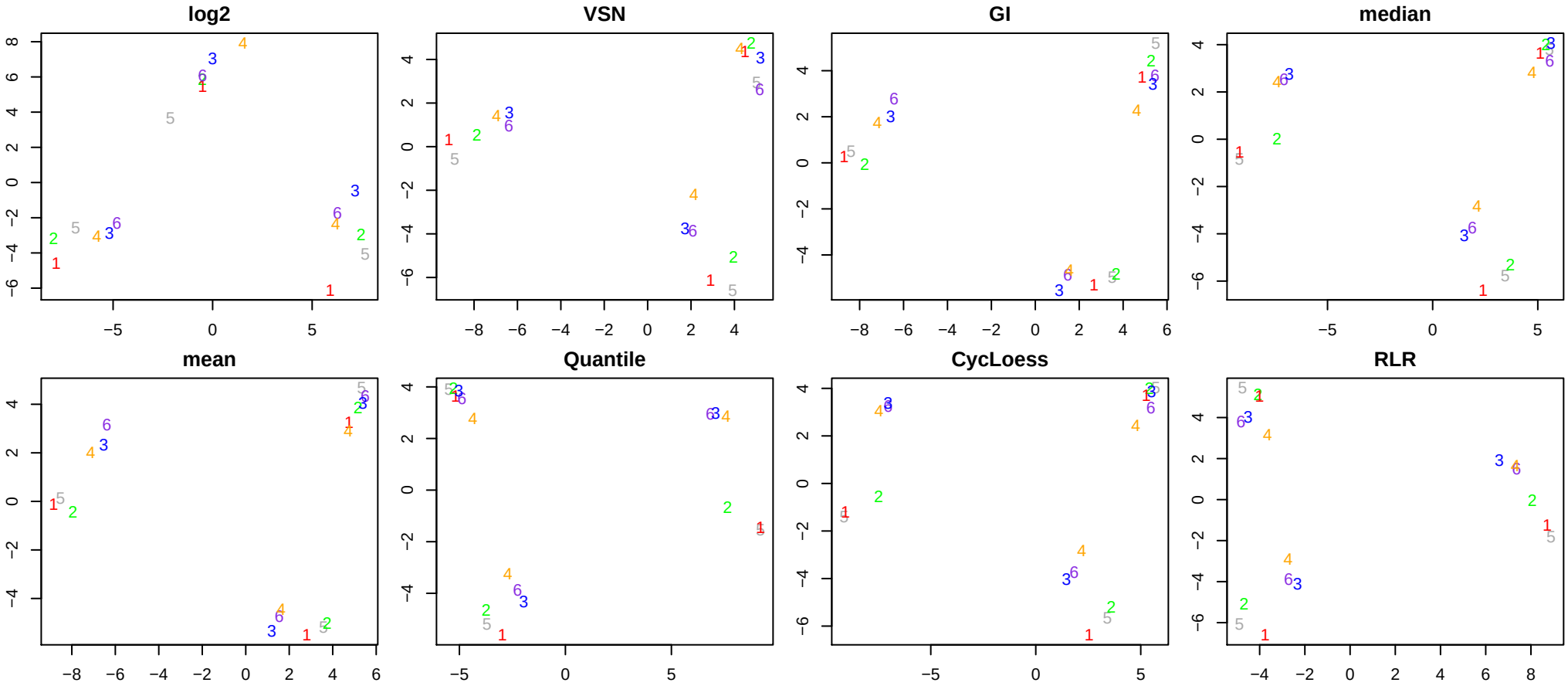



log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
35
30
25
20
15
10
ud_1_24|IB
1h|IB
1d|IB
ud_30_6|IB
30m|IB
6h|IB
ud_1_24|IB2
1h|IB2
1d|IB2
ud_30_6|IB2
30m|IB2
6h|IB2
ud_1_24|KR
1h|KR
1d|KR
ud_30_6|KR
30m|KR
6h|KR

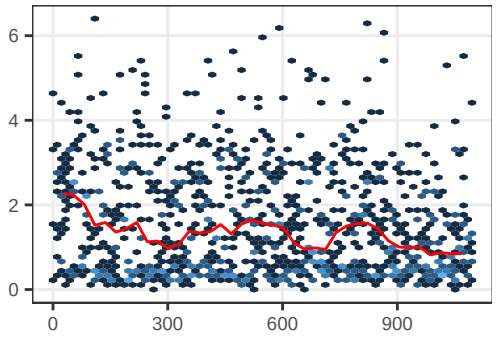

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
10
5
0
−5
−10
ud_1_2
1h|IB
1d|IB
ud_30_
30m|IB
6h|IB
1h|IB2
1d|IB2
30m|IB2
6h|IB2
1h|KR
1d|KR
30m|KR
6h|KR

Density plots

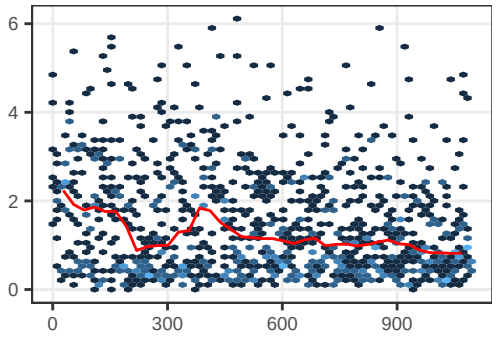



log2
VSN
GI
median
mean
Quantile
CycLoess
RLR

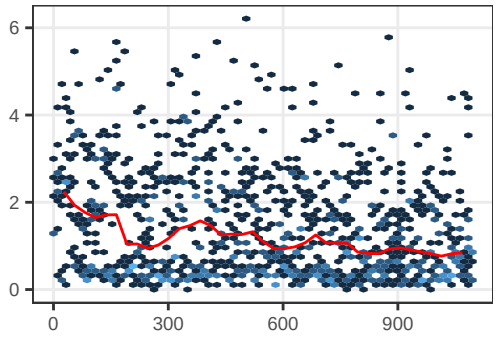
log2



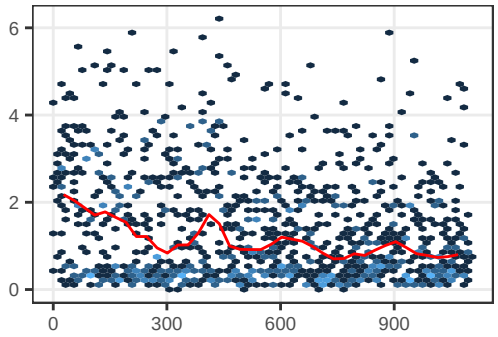
VSN



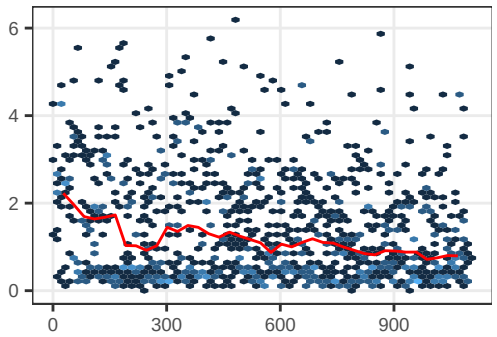
GI



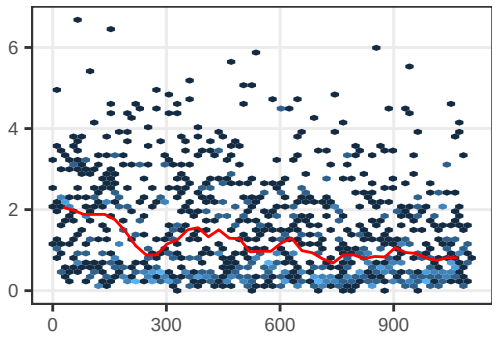
median



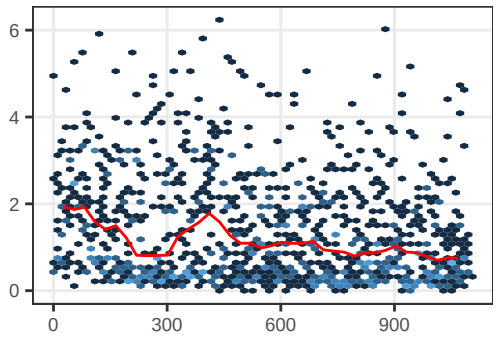
mean



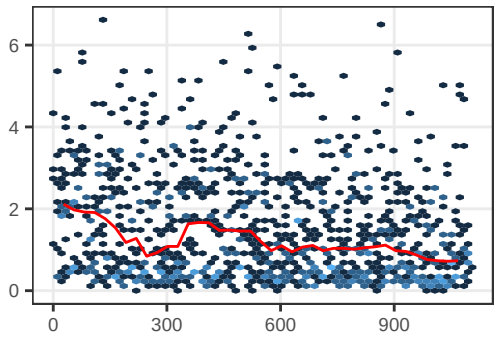
Quantile

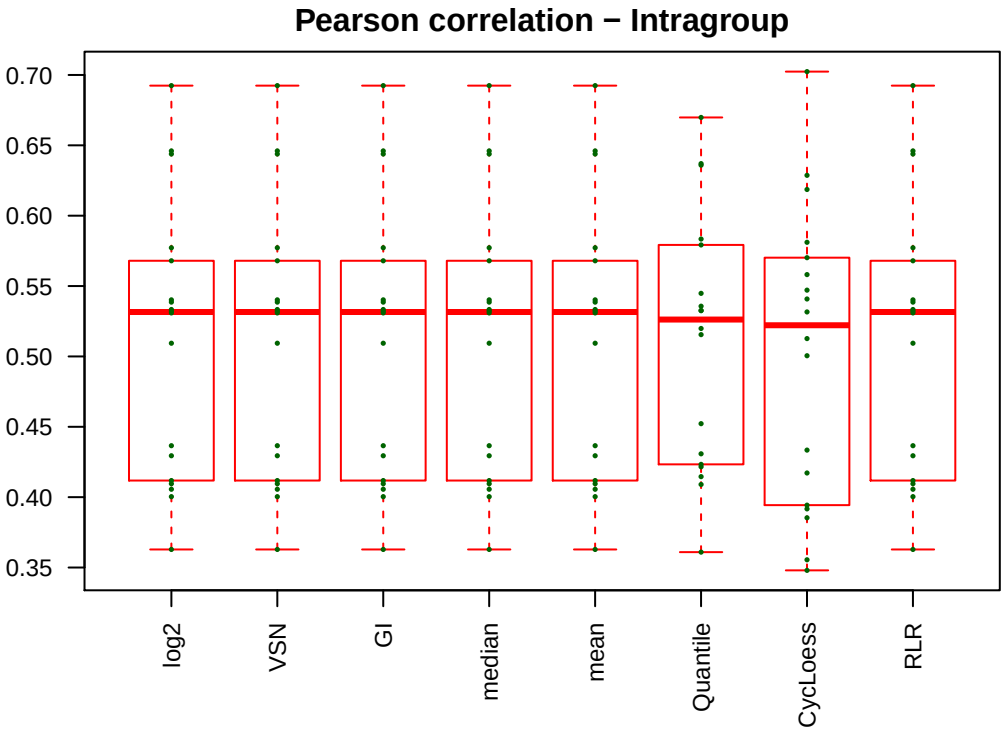


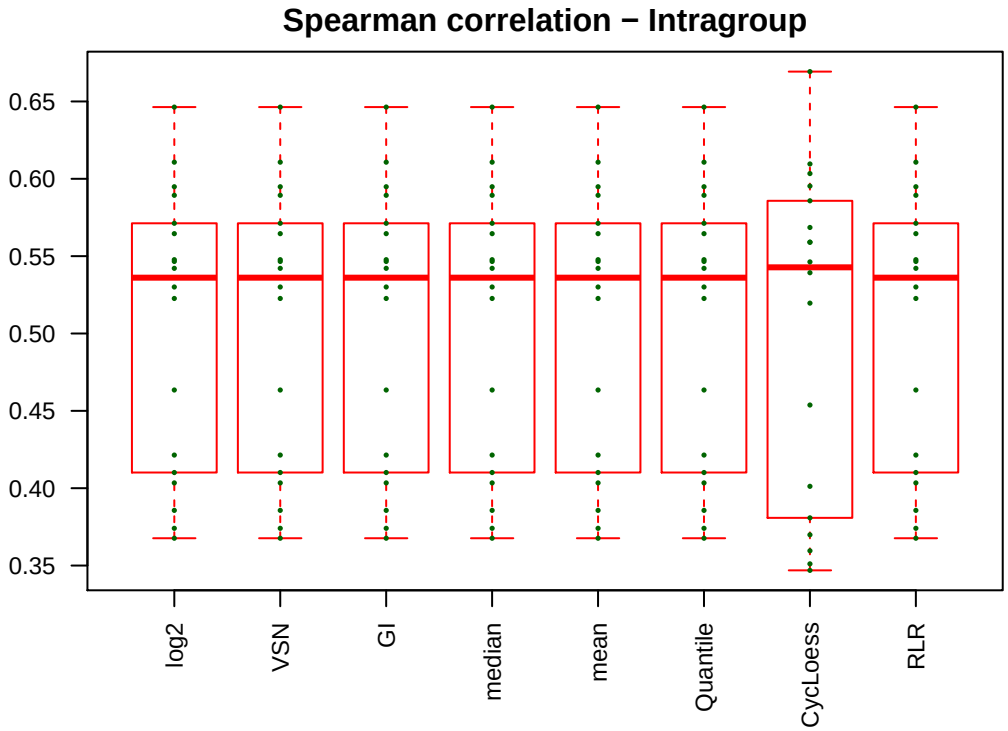
CycLoess



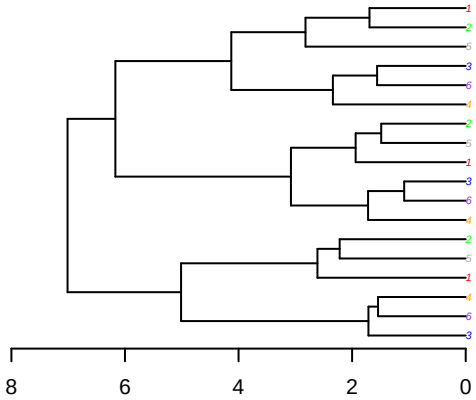
RLR



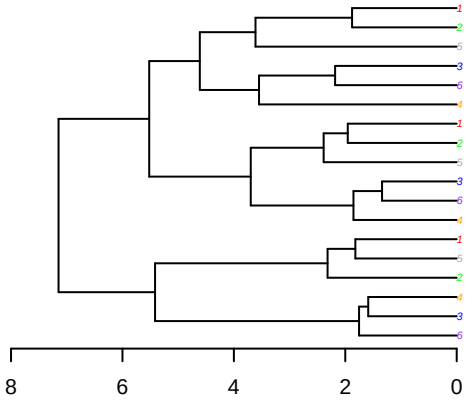

Pearson correlation − Intragroup
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR


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

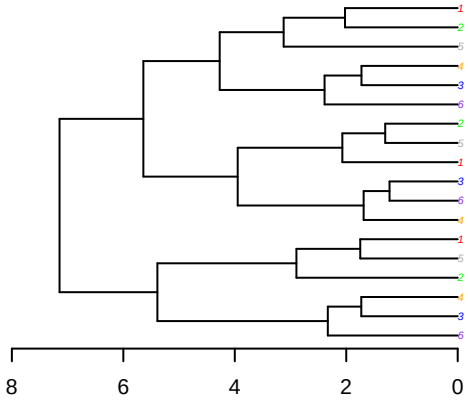
log2



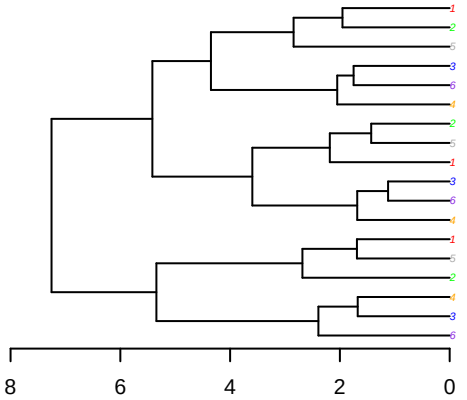
VSN



GI



median



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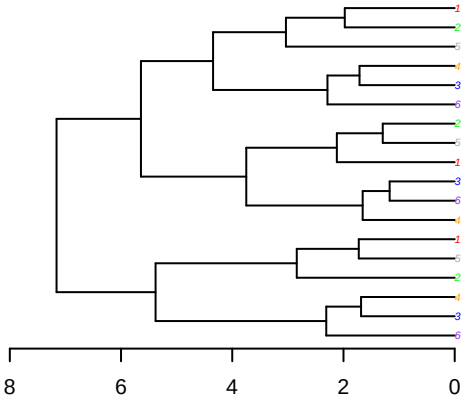
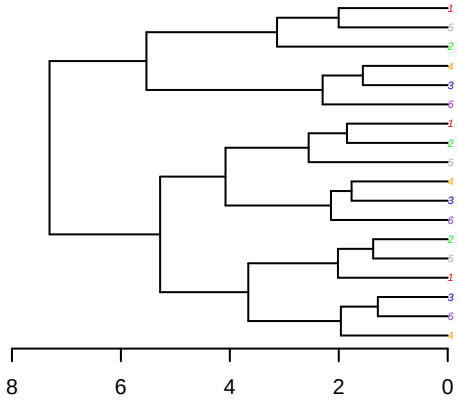
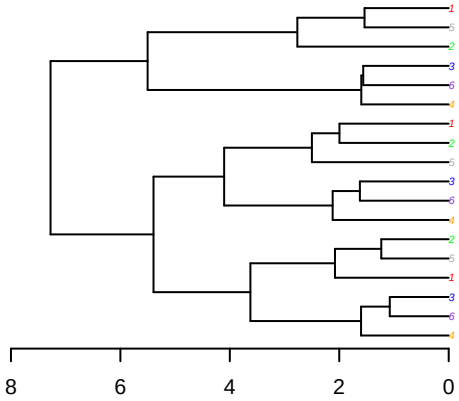


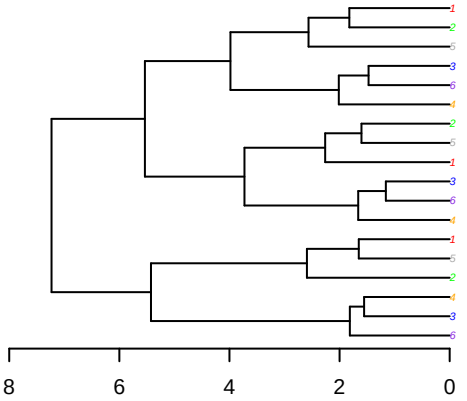
Quantile

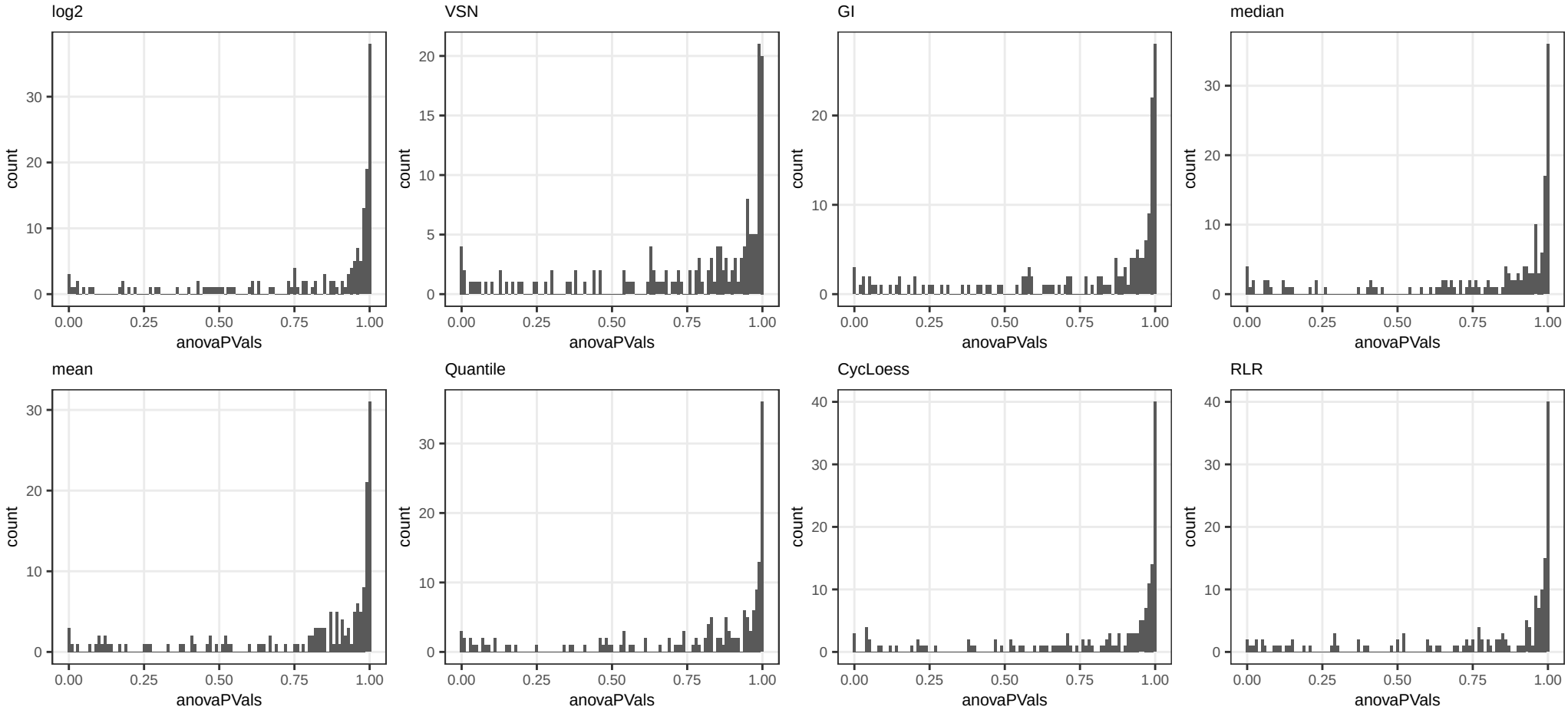


CycLoess



RLR

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VSN
GI
median
mean
Quantile
CycLoess
RLR
count
anovaPVals
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0.25
0.50
0.75
1.00