Project Name: unit_test_run_norm

NormalyzerDE (ver 1.5.3)

Report created on: 2020−06−08

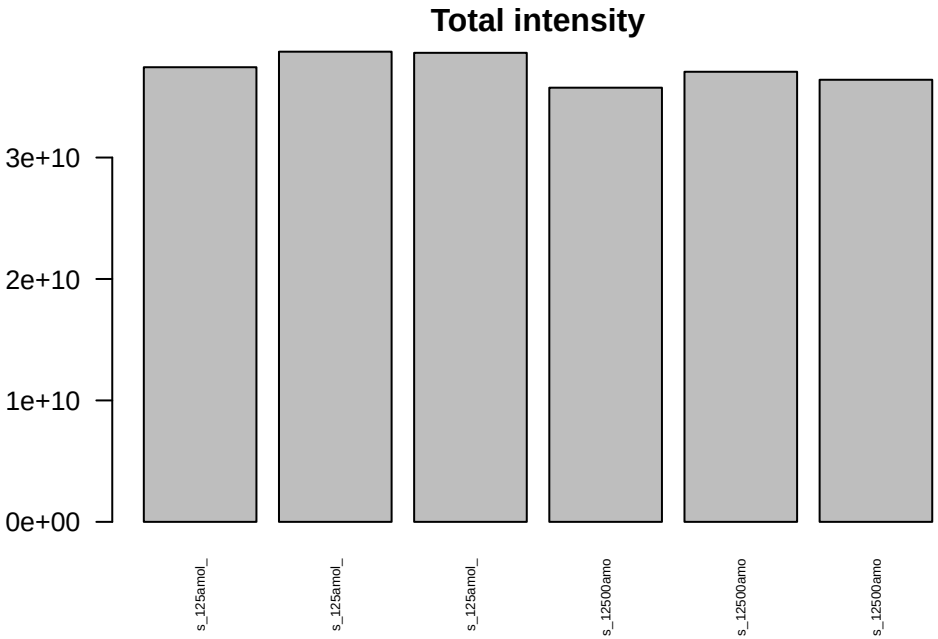
Citation: NormalyzerDE: Online Tool for Improved Normalization of Omics Expression Data and High−Sensitivity Differential Expression Analysis
Journal of Proteome Research (2018), 10.1021/acs.jproteome.8b00523

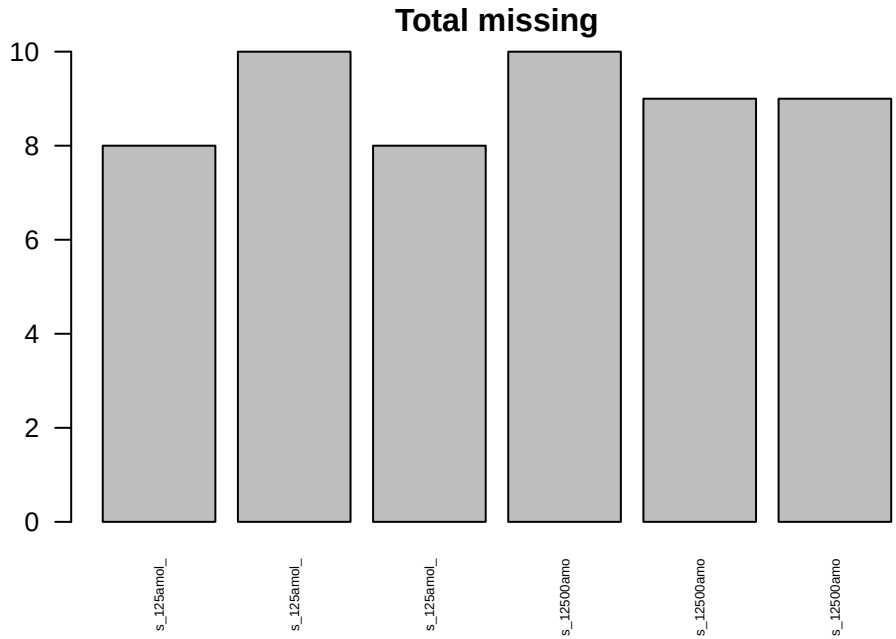
Documentation for analyzing this report can be found at http://quantitativeproteomics.org/normalyzer/help.php

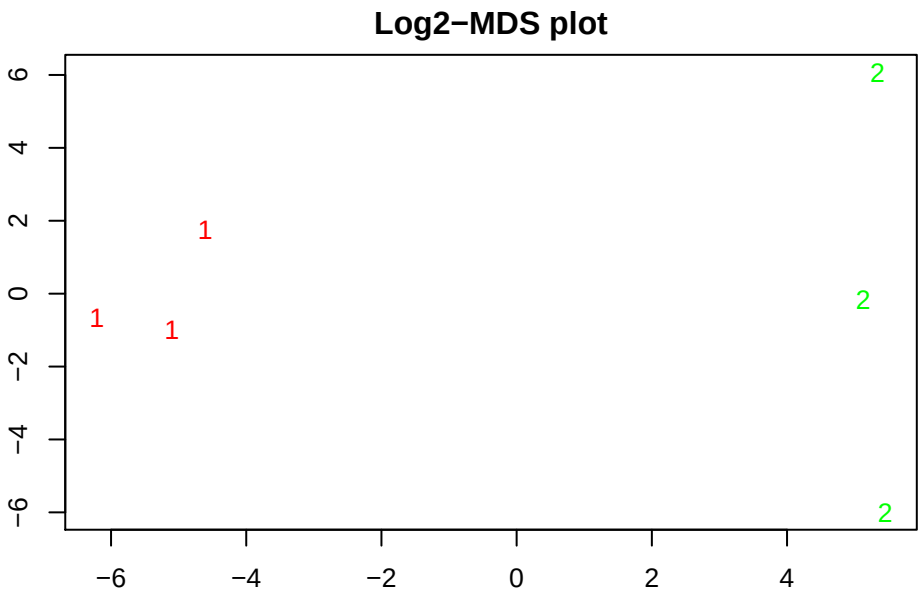
Sample setup

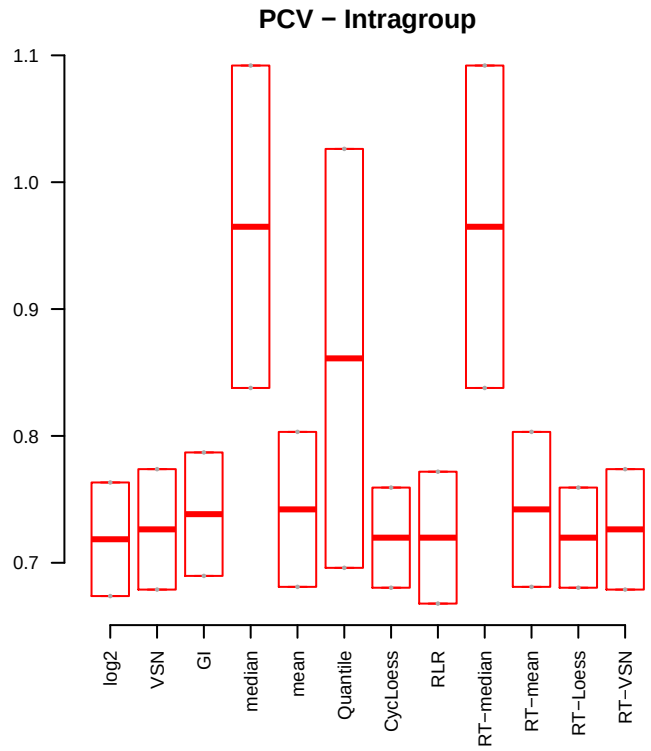
Group nbr.	Design group	Nbr. samples in cond.
1	4	3
2	5	3

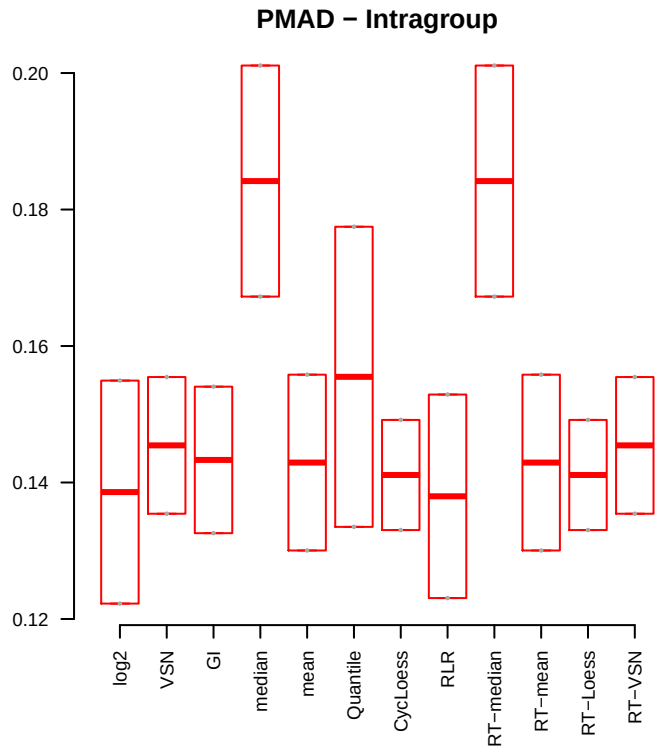
Please note that the grouping only impacts evaluation measures and visuals seen in the report, they do not impact the performed normalizations.

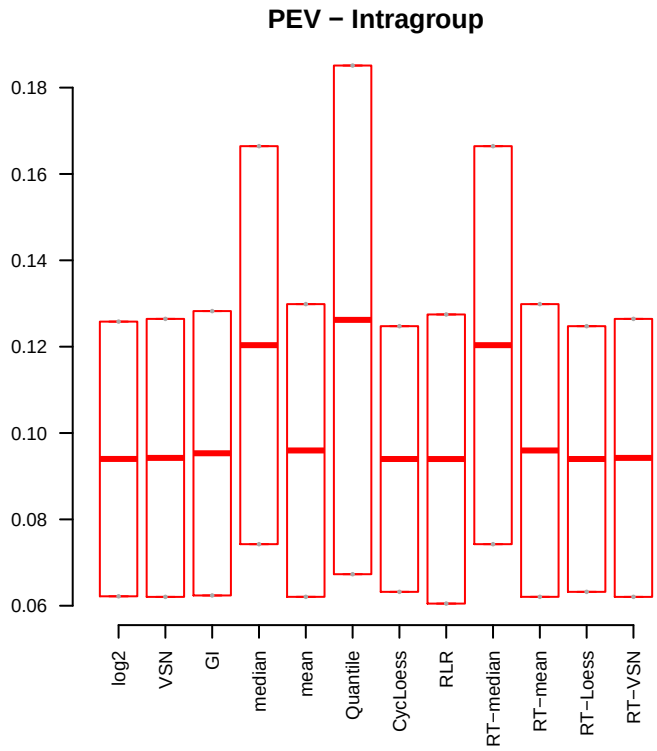

Total intensity
3e+10
2e+10
1e+10
0e+00
s_125amol_
s_125amol_
s_125amol_
s_12500amo
s_12500amo
s_12500amo


Total missing
10
8
6
4
2
0
s_125amol_
s_125amol_
s_125amol_
s_12500amo
s_12500amo
s_12500amo

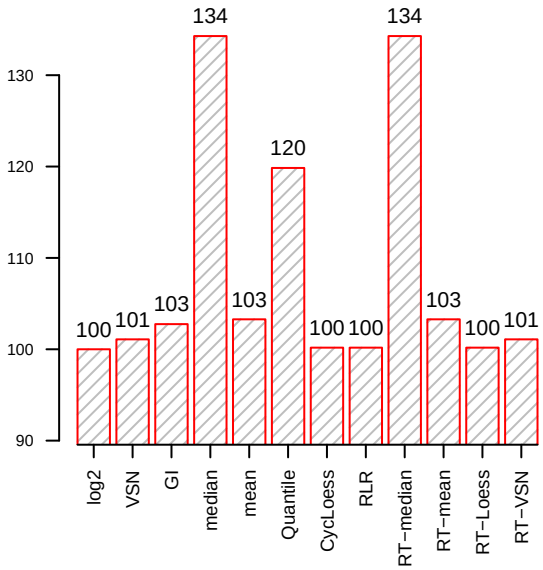

Log2−MDS plot
6
4
2
0
−2
−4
−6
−6
−4
−2
0
2
4
1
1
1
2
2
2


PCV − Intragroup
1.1
1.0
0.9
0.8
0.7
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN

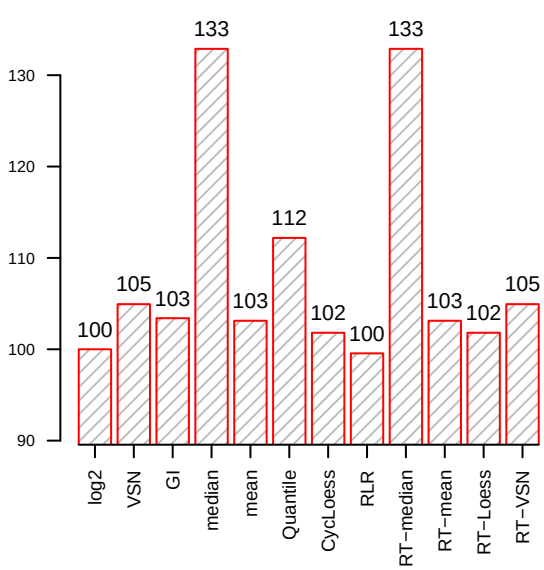

PMAD − Intragroup
0.20
0.18
0.16
0.14
0.12
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN


PEV − Intragroup
0.18
0.16
0.14
0.12
0.10
0.08
0.06
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN

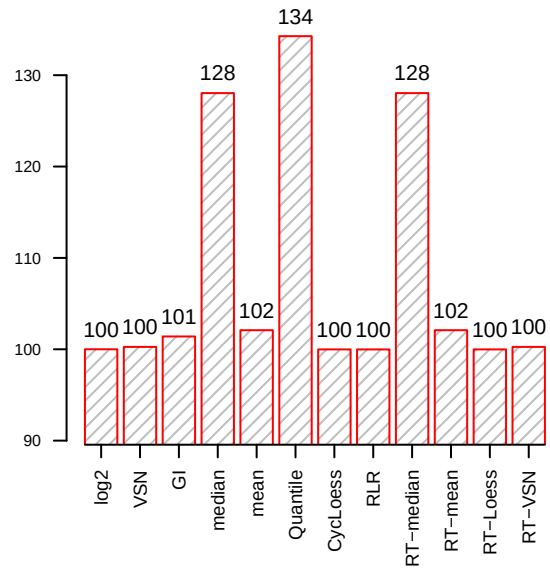
PCV compared to log2



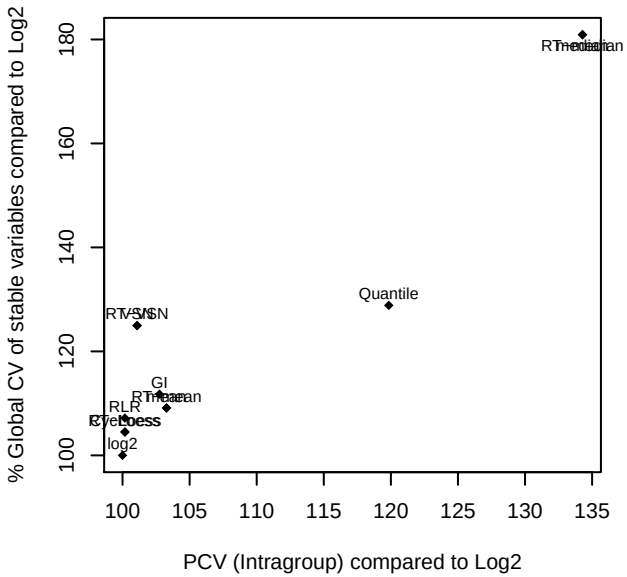
PMAD compared to log2

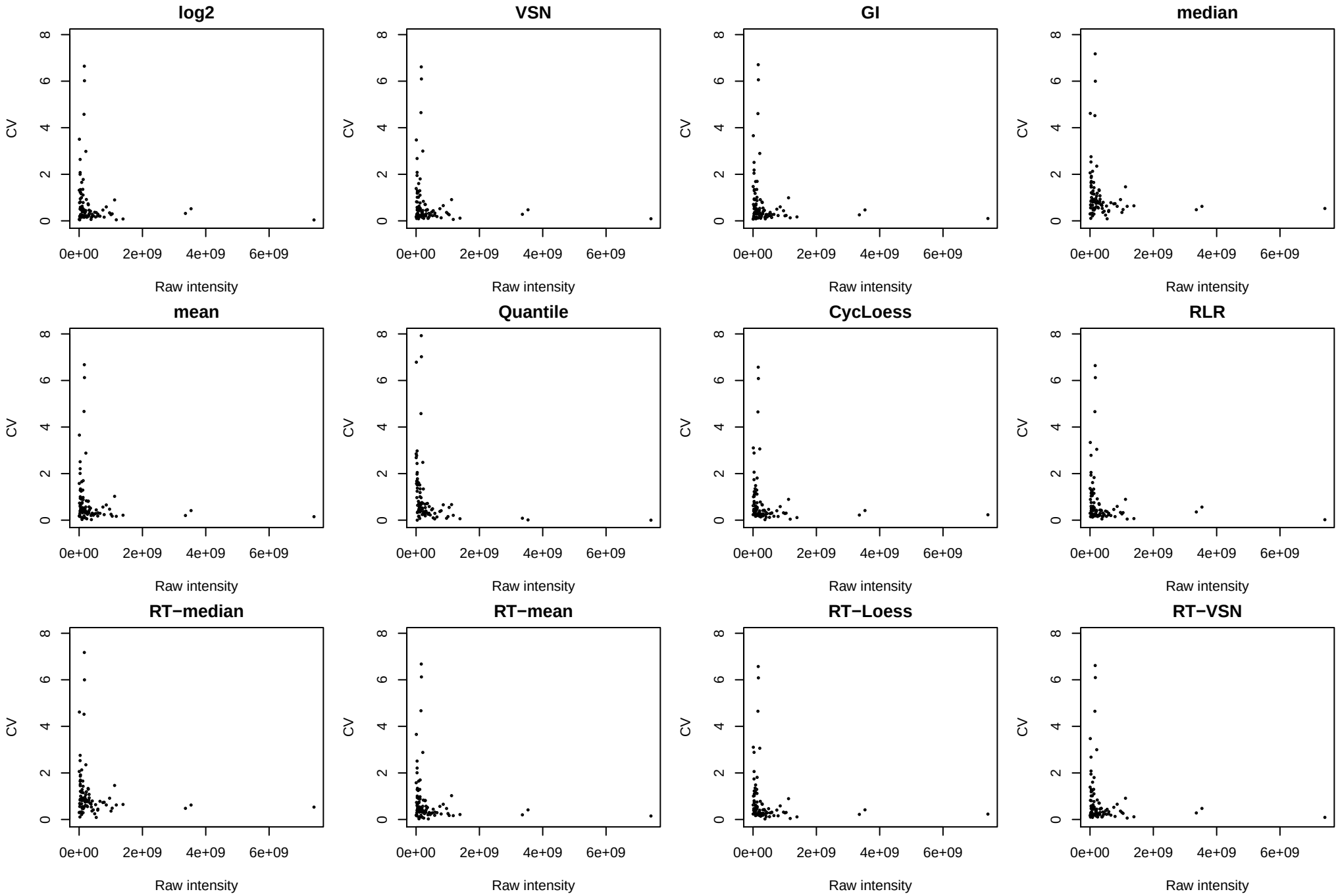


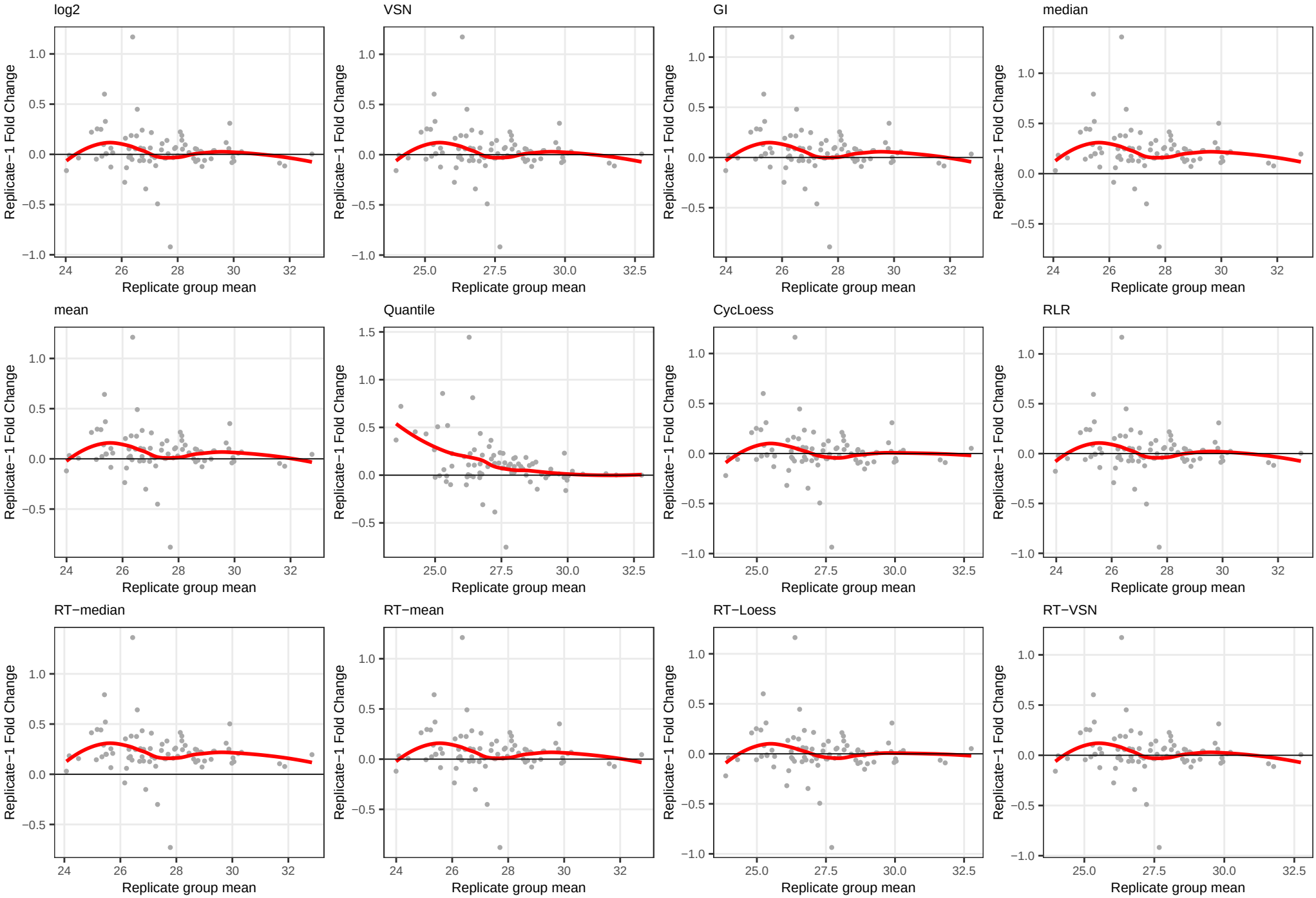
%PEV − compared to log2

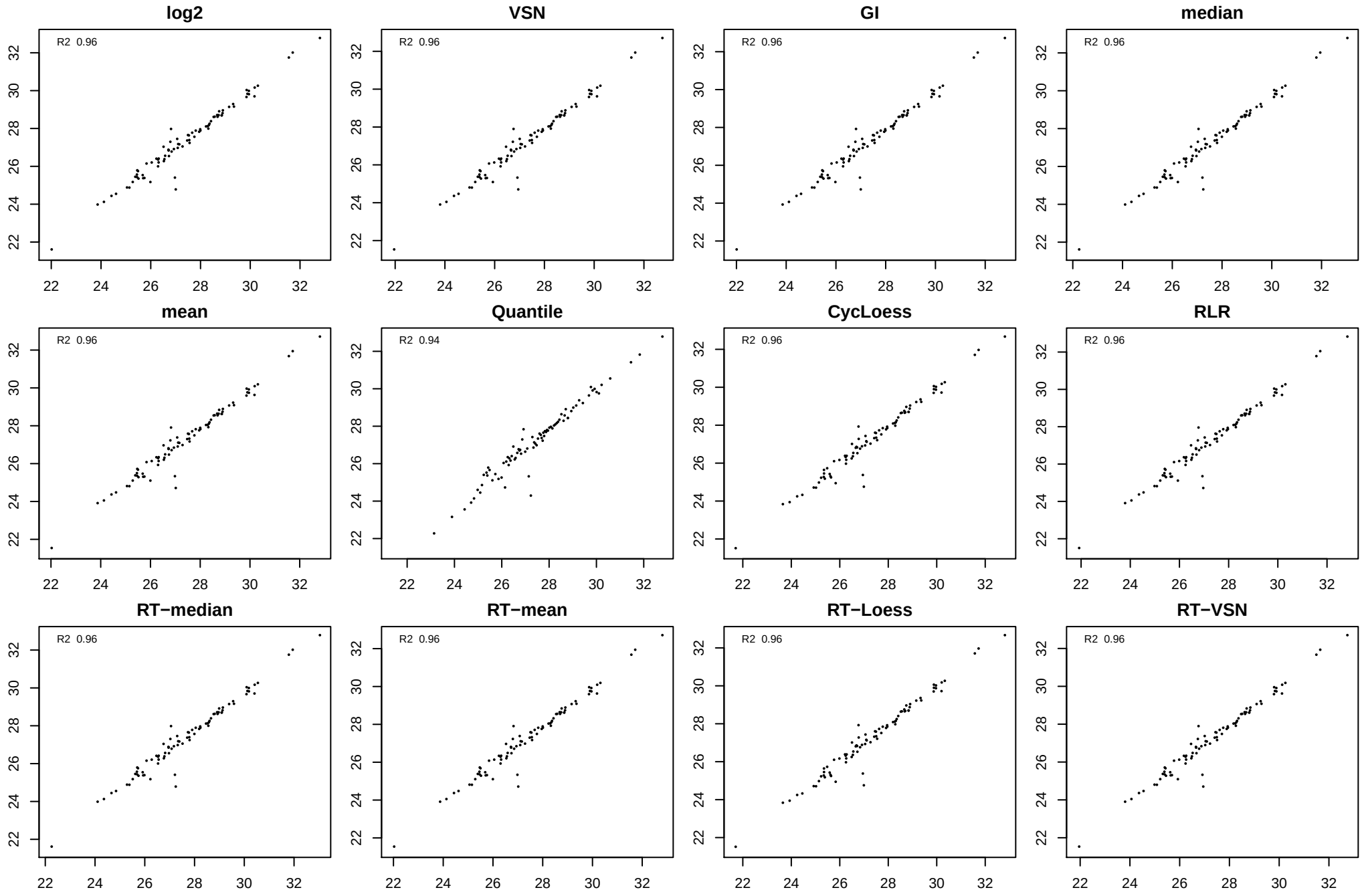


Stable variables plot

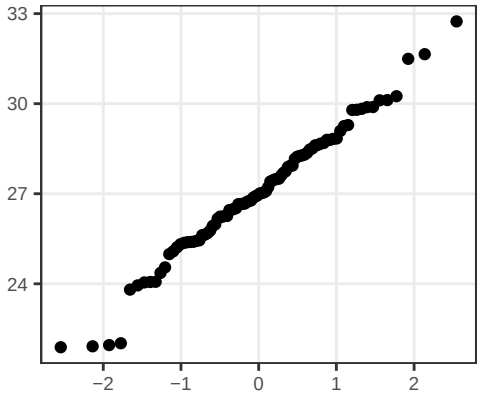



log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN
CV
Raw intensity
0e+00
2e+09
4e+09
6e+09
0
2
4
6
8

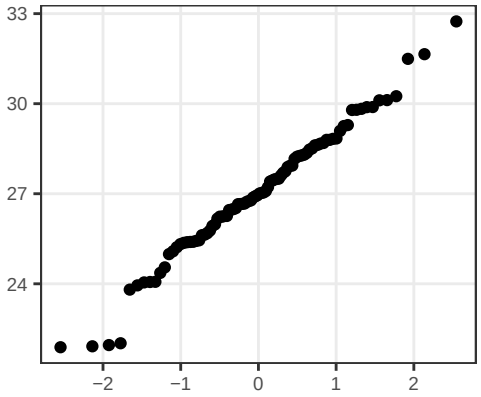

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN
Replicate−1 Fold Change
Replicate group mean


log2
R2 0.96
VSN
R2 0.96
GI
R2 0.96
median
R2 0.96
mean
R2 0.96
Quantile
R2 0.94
CycLoess
R2 0.96
RLR
R2 0.96
RT−median
R2 0.96
RT−mean
R2 0.96
RT−Loess
R2 0.96
RT−VSN
R2 0.96

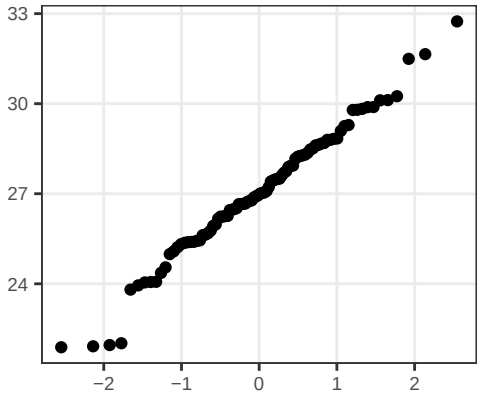
log2



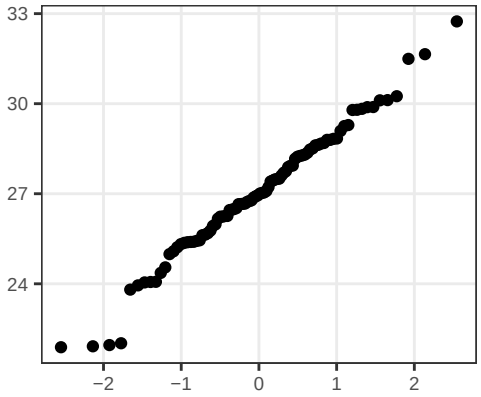
VSN



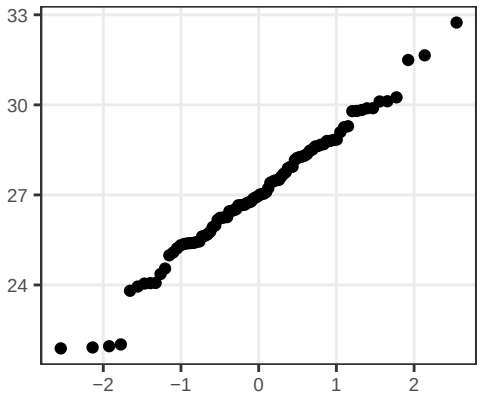
GI



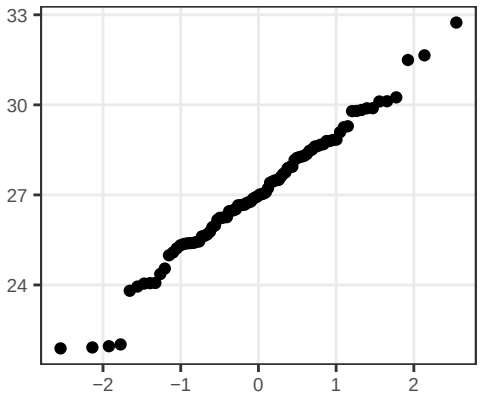
median



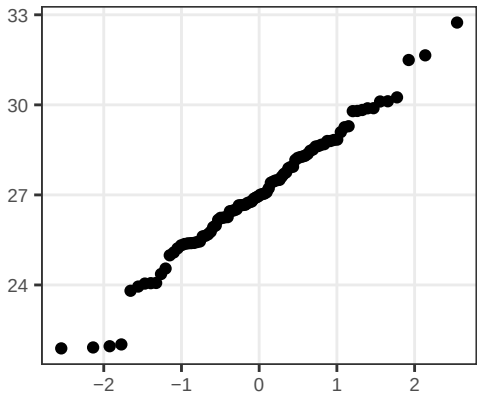
mean



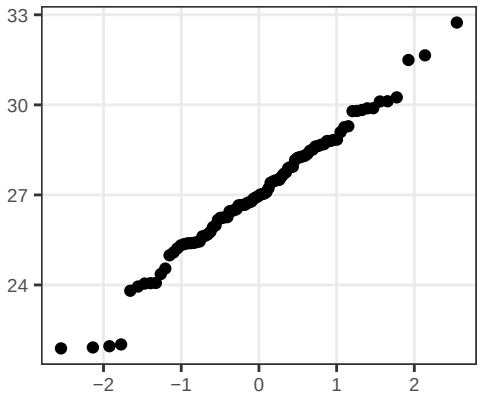
Quantile



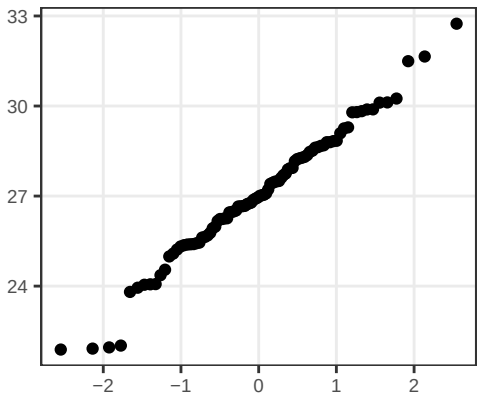
CycLoess



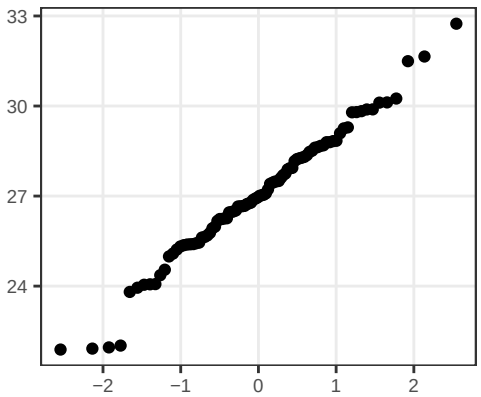
RLR



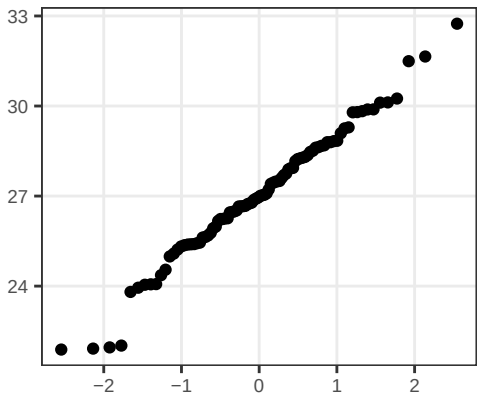
RT−median



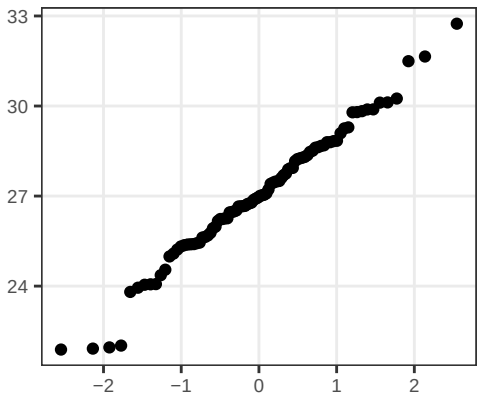
RT−mean

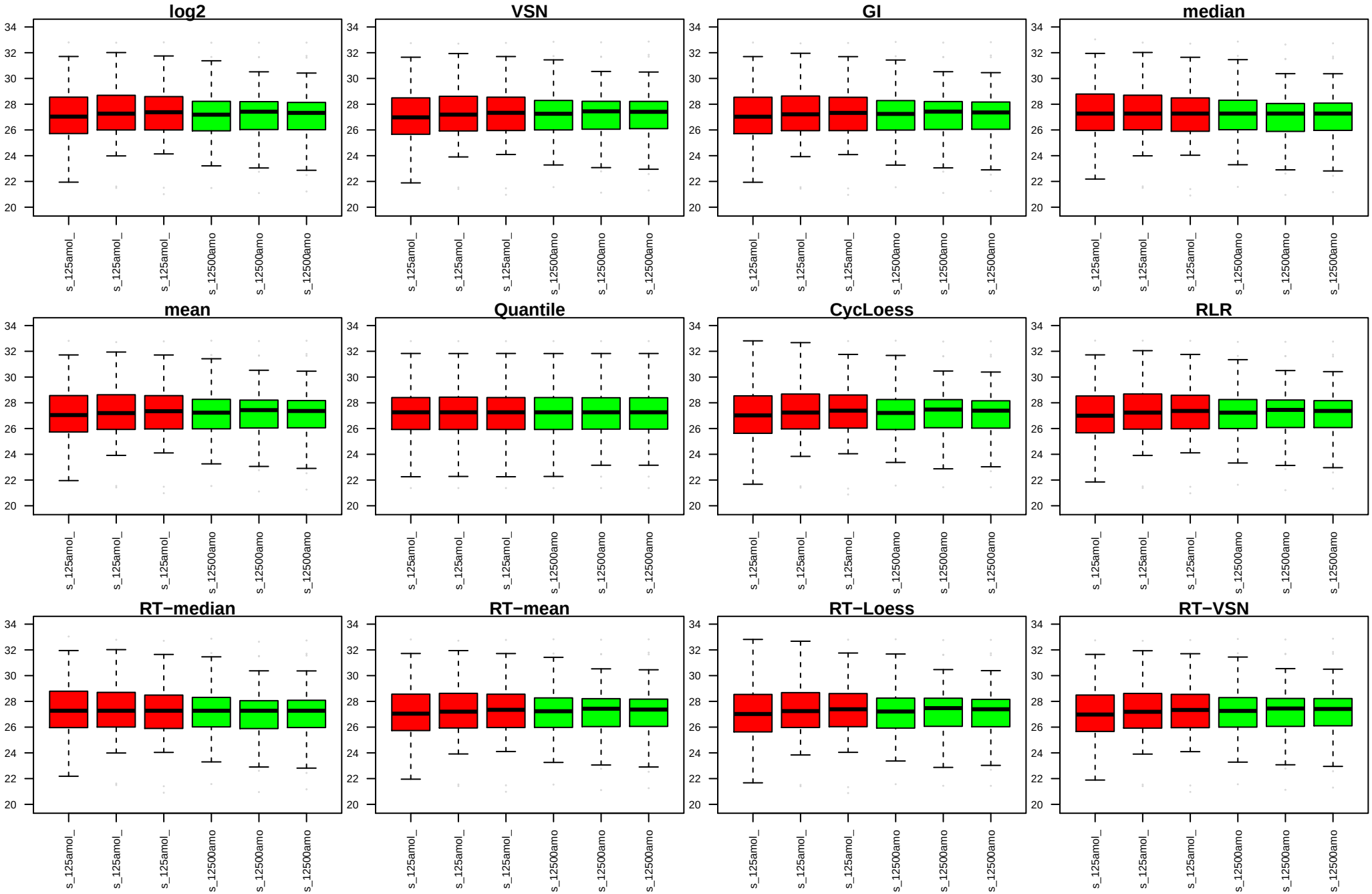


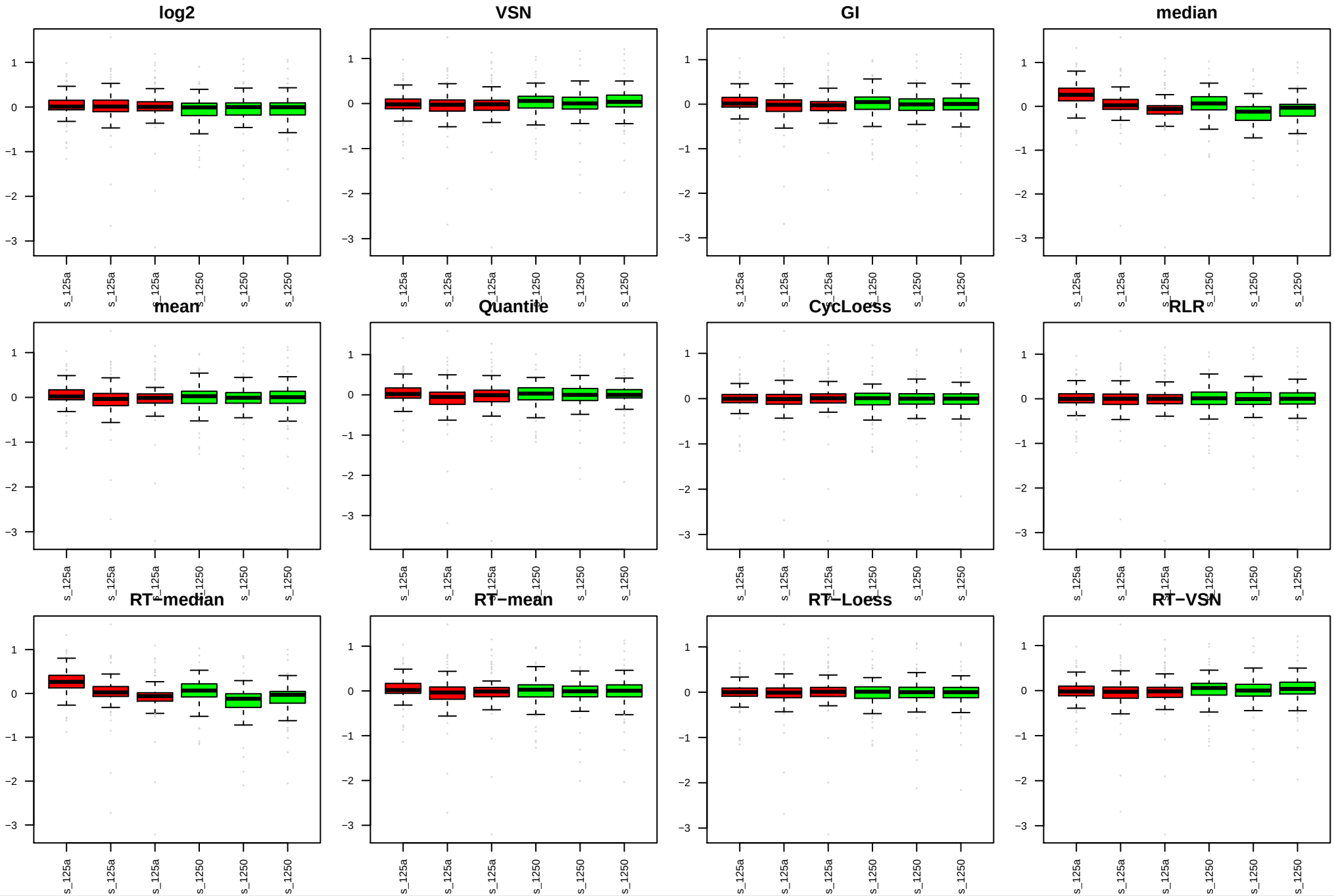
RT−Loess

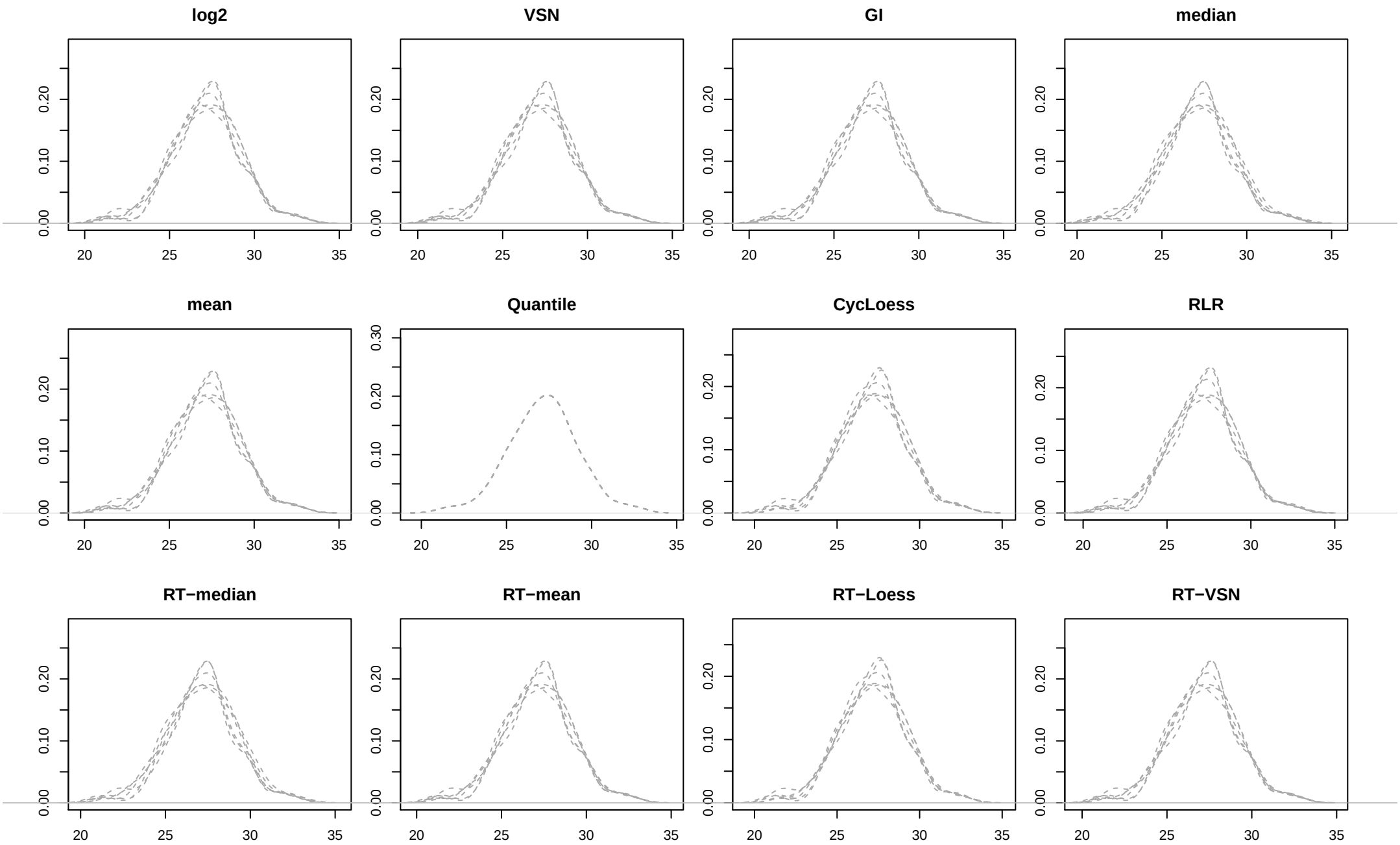


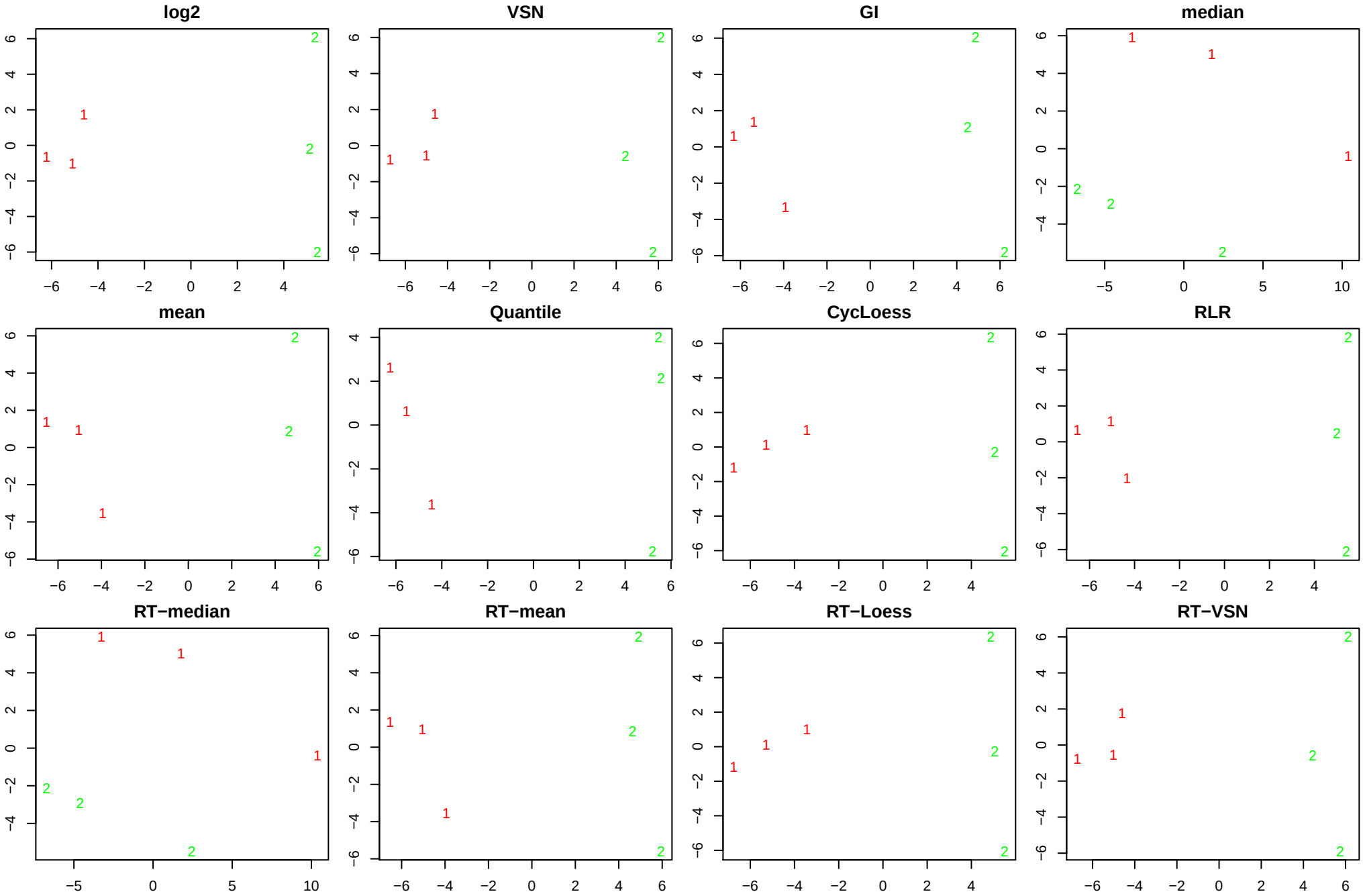
RT−VSN

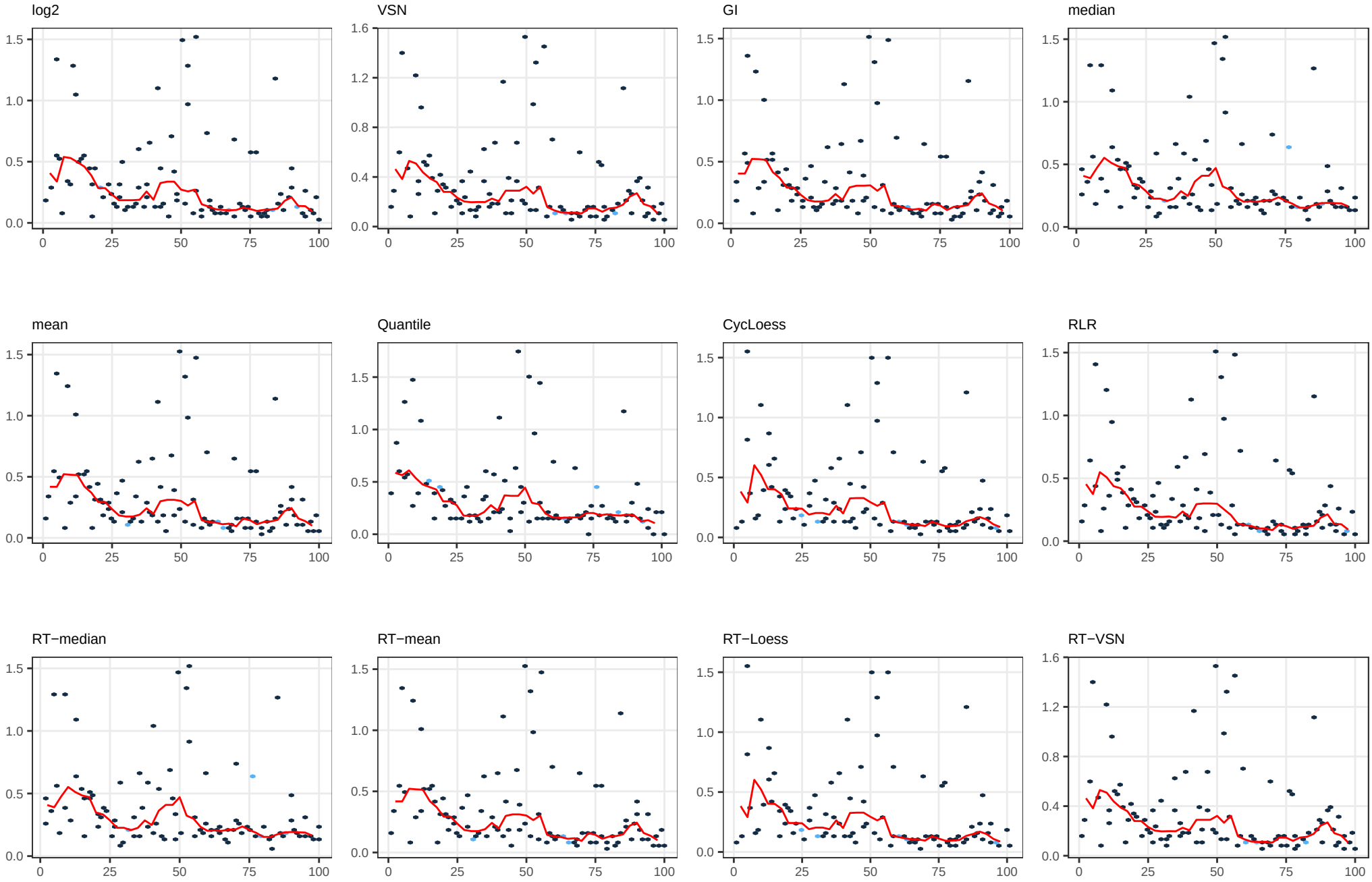


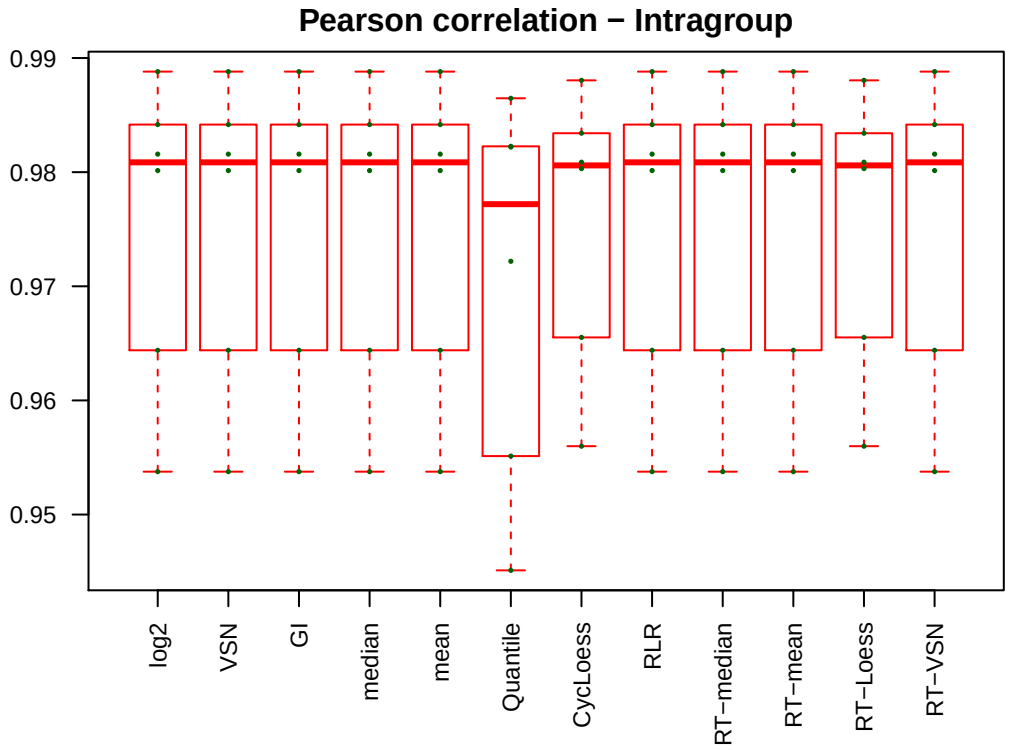

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN
34
32
30
28
26
24
22
20
s_125amol_
s_12500amo

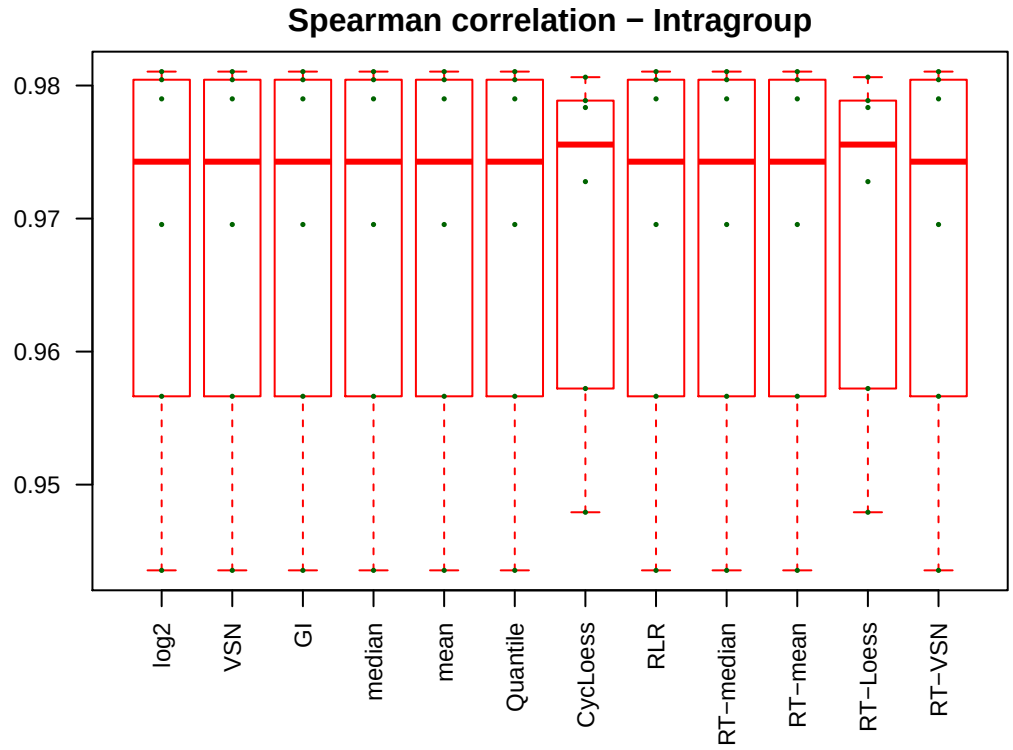

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN
s_125a
s_1250

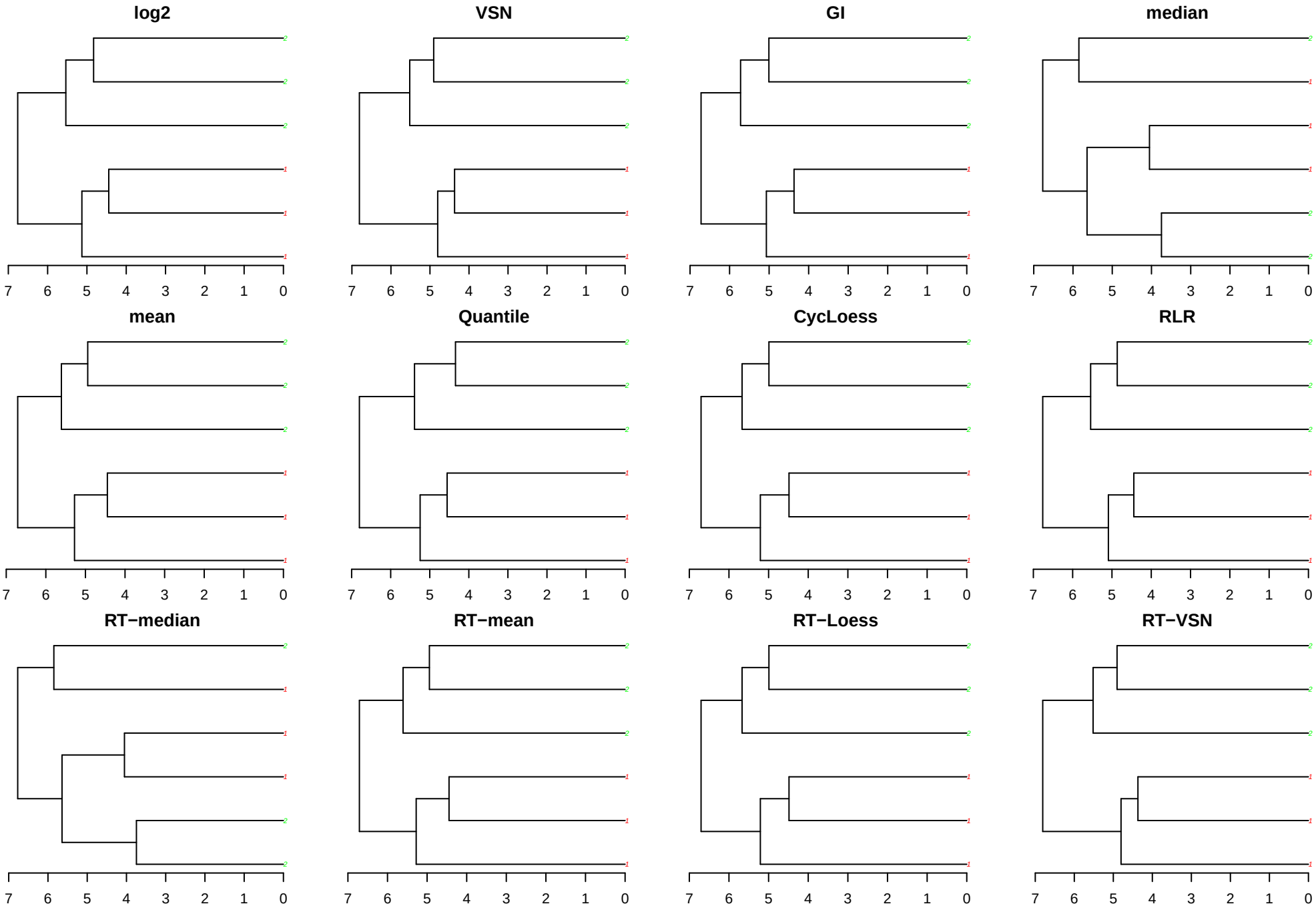

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN
0.00
0.10
0.20
0.30
20
25
30
35

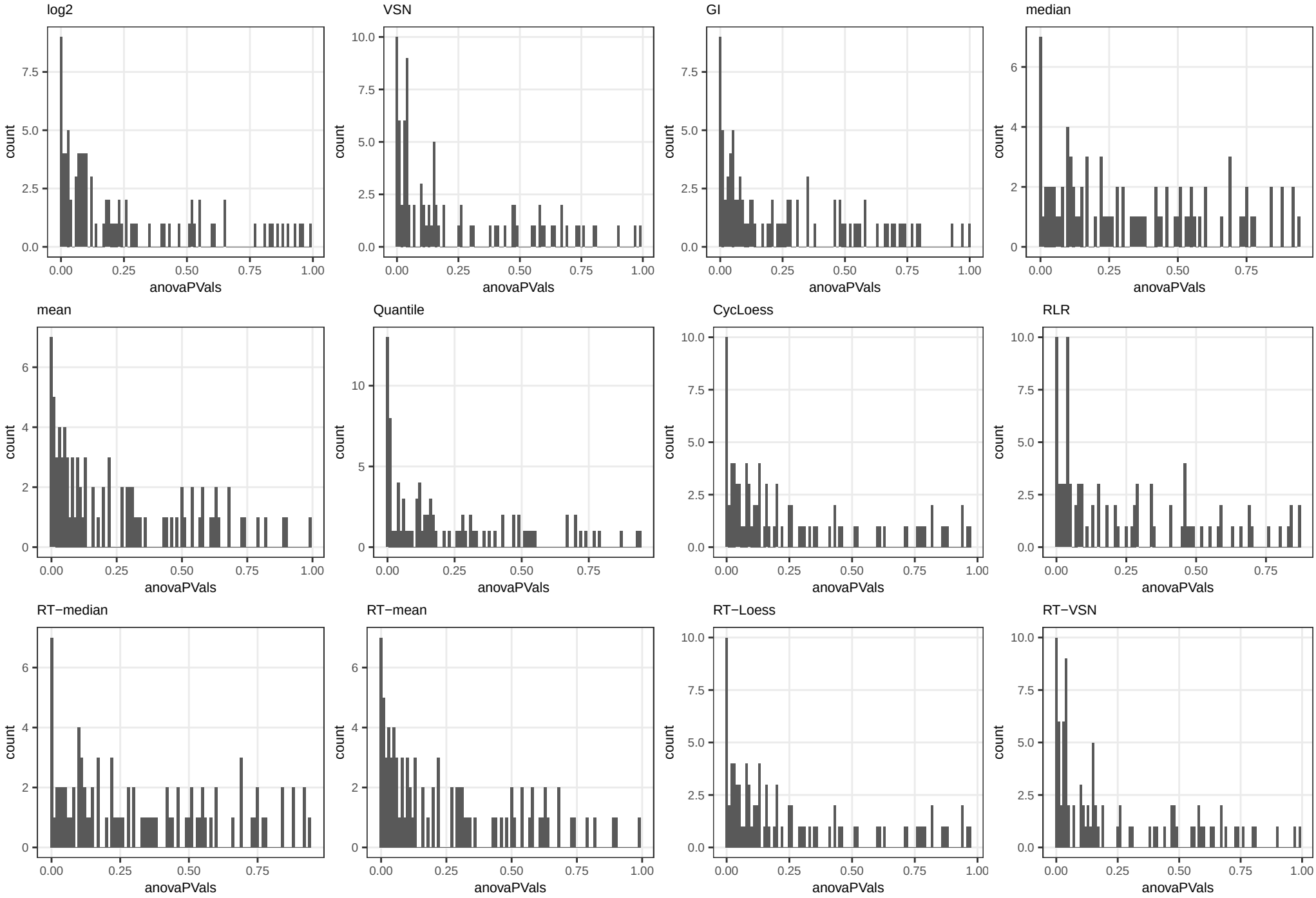

log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN


log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN


Pearson correlation − Intragroup
0.99
0.98
0.97
0.96
0.95
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN


Spearman correlation − Intragroup
0.98
0.97
0.96
0.95
log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN


log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN
7 6 5 4 3 2 1 0


log2
VSN
GI
median
mean
Quantile
CycLoess
RLR
RT−median
RT−mean
RT−Loess
RT−VSN
count
anovaPVals