

Project Name: 2024-04-16\_msplms\_normalize\_output

# NormalizerDE (ver 1.19.7 )

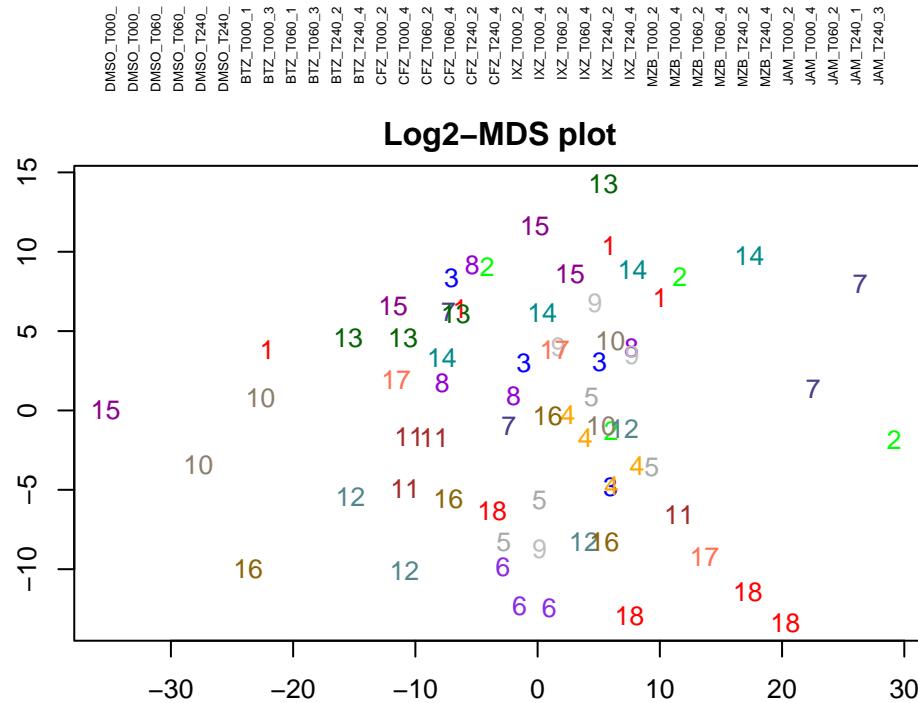
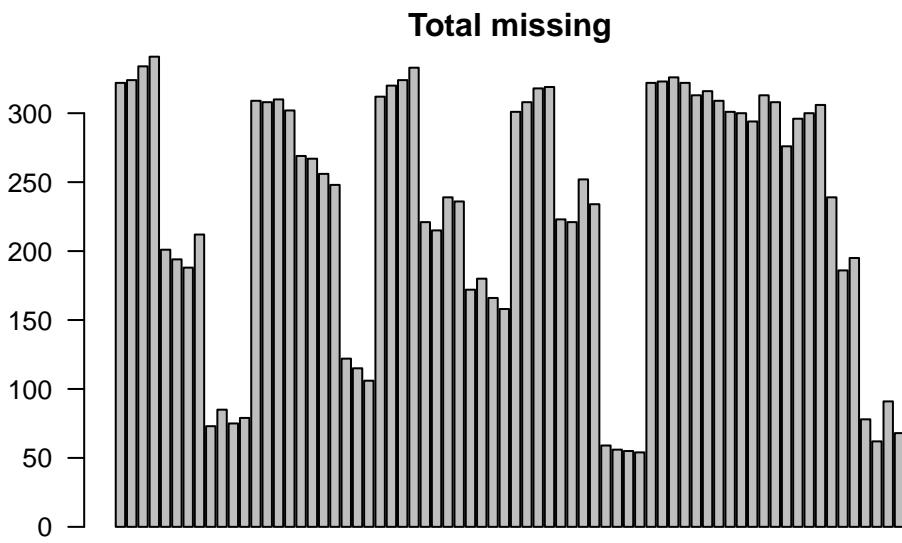
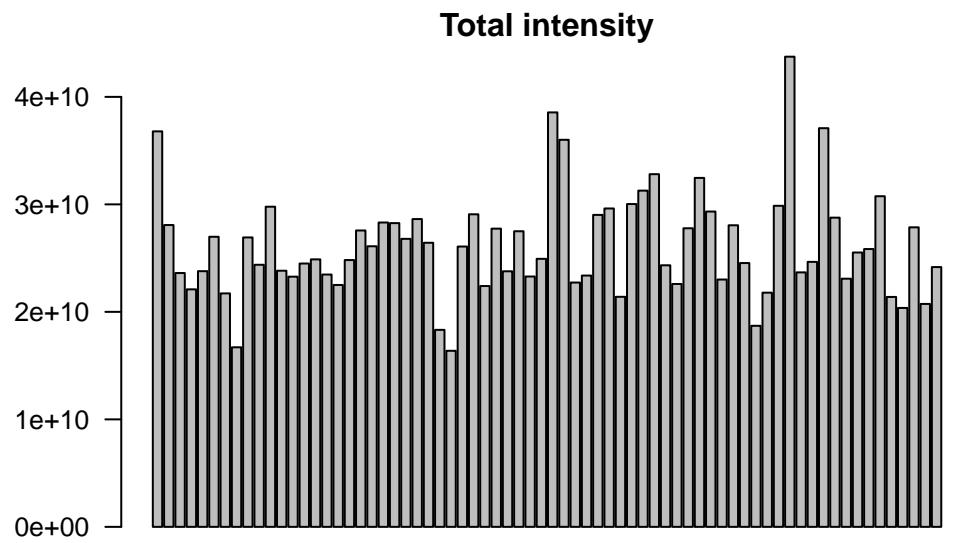
Report created on: 2024-04-16

Citation: NormalizerDE: 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

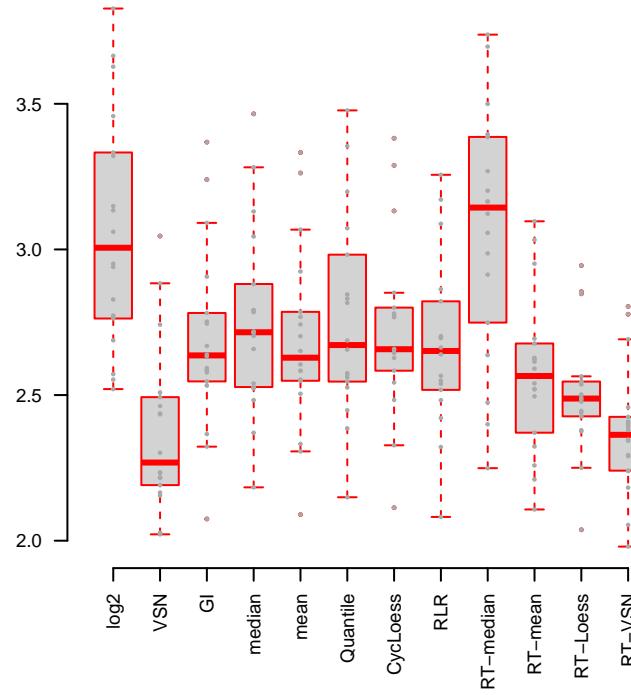
Documentation for analyzing this report can be found at <http://quantitativeproteomics.org/normalizer/help.php>

Group nbr.	Design group	Nbr. samples in cond.
1	1	4
2	2	4
3	3	4
4	4	4
5	5	4
6	6	3
7	7	4
8	8	4
9	9	4
10	10	4
11	11	4
12	12	4
13	13	4
14	14	4
15	15	4
16	16	4
17	17	3
18	18	4

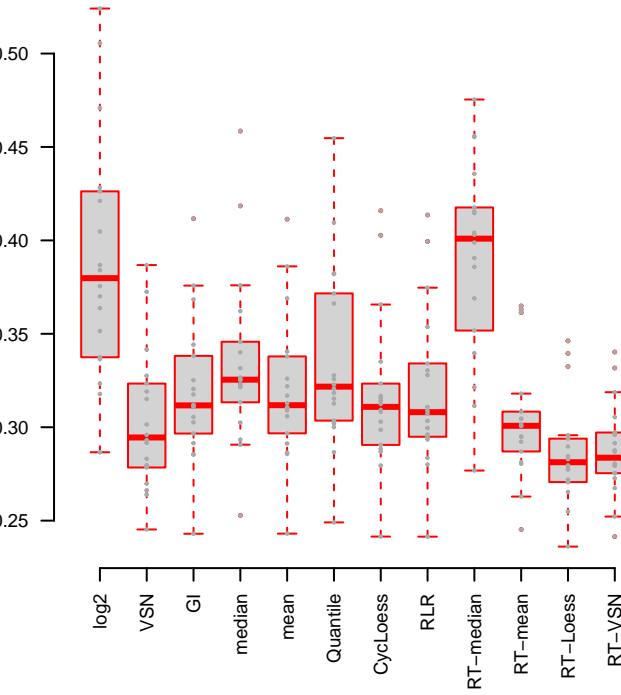
Please note that the grouping only impacts evaluation measures and visuals seen in the report, they do not impact the performed normalizations.



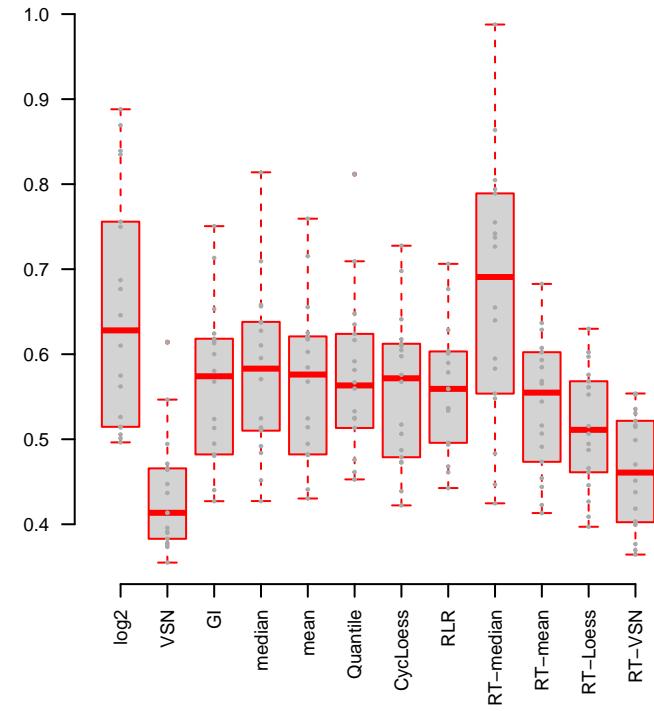
## PCV – Intragroup



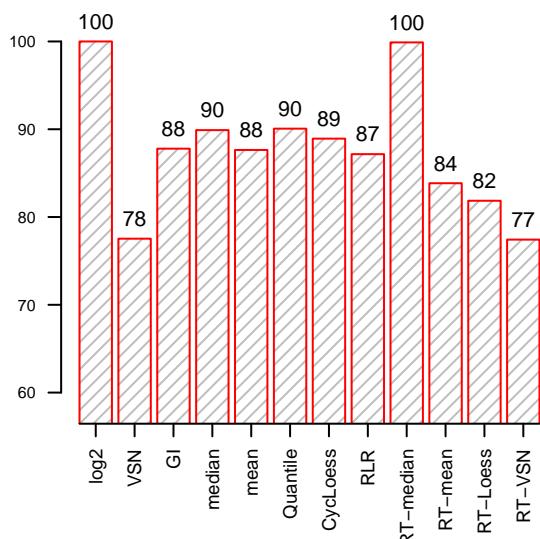
## PMAD – Intragroup



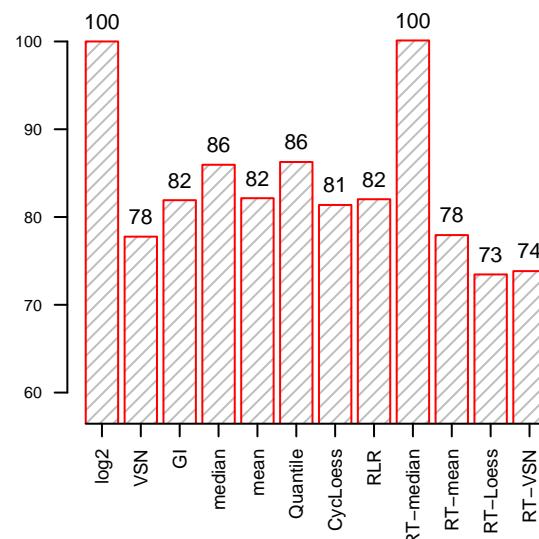
## PEV – Intragroup



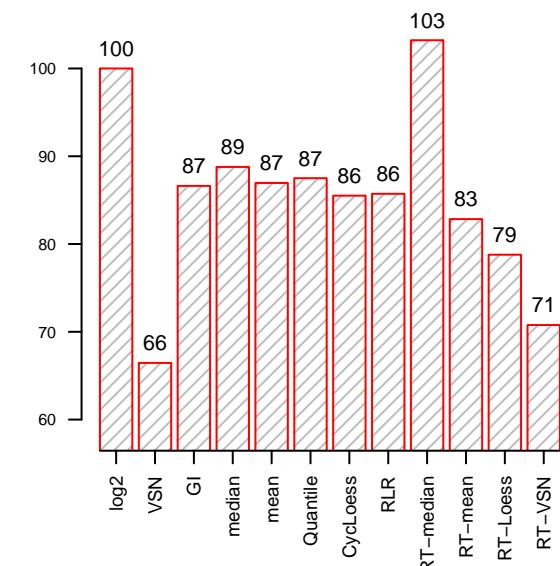
PCV compared to log2



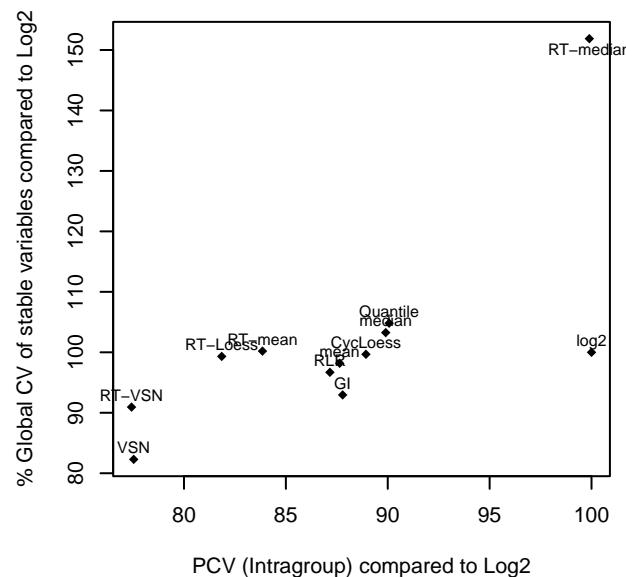
PMAD compared to log2

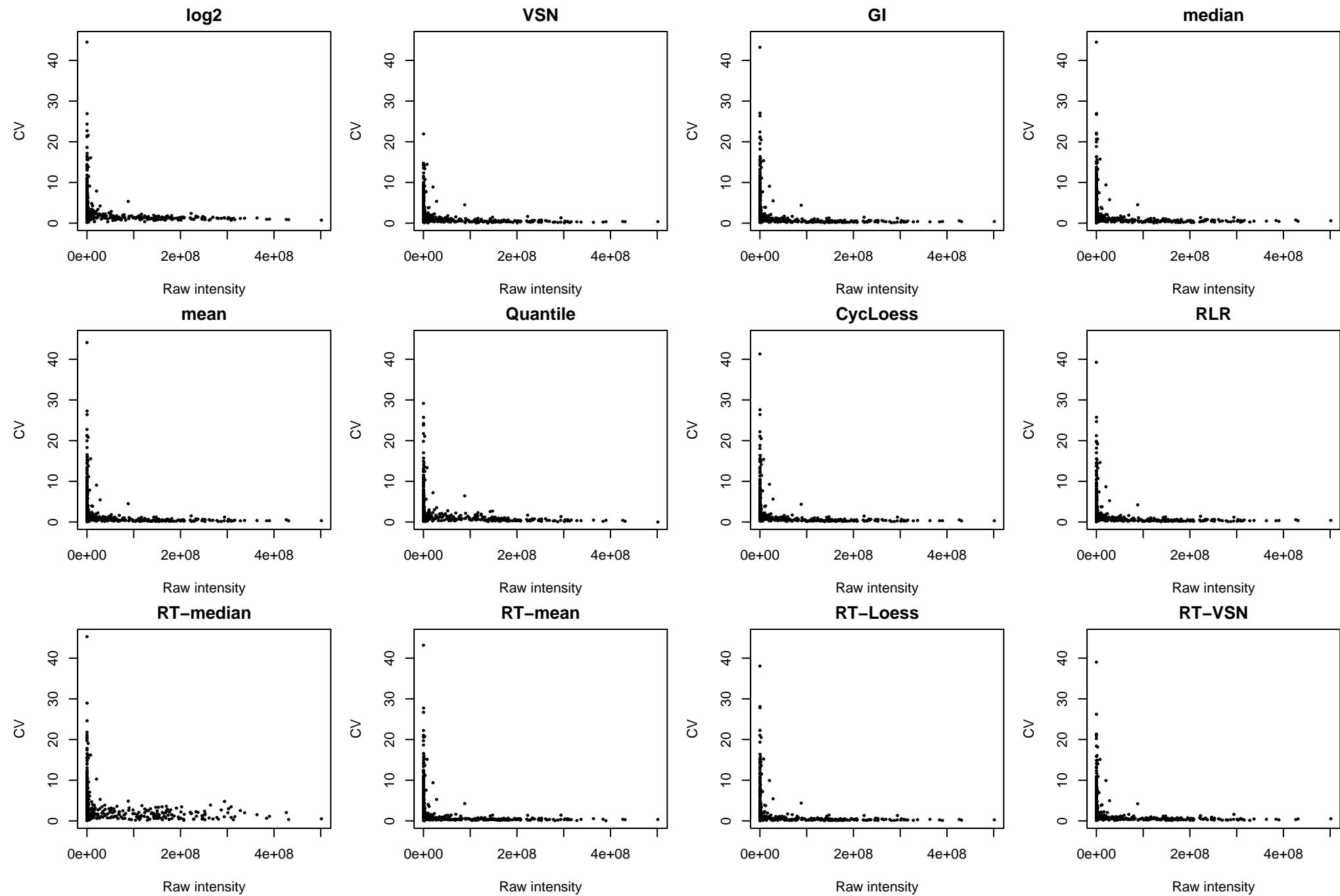


%PEV – compared to log2



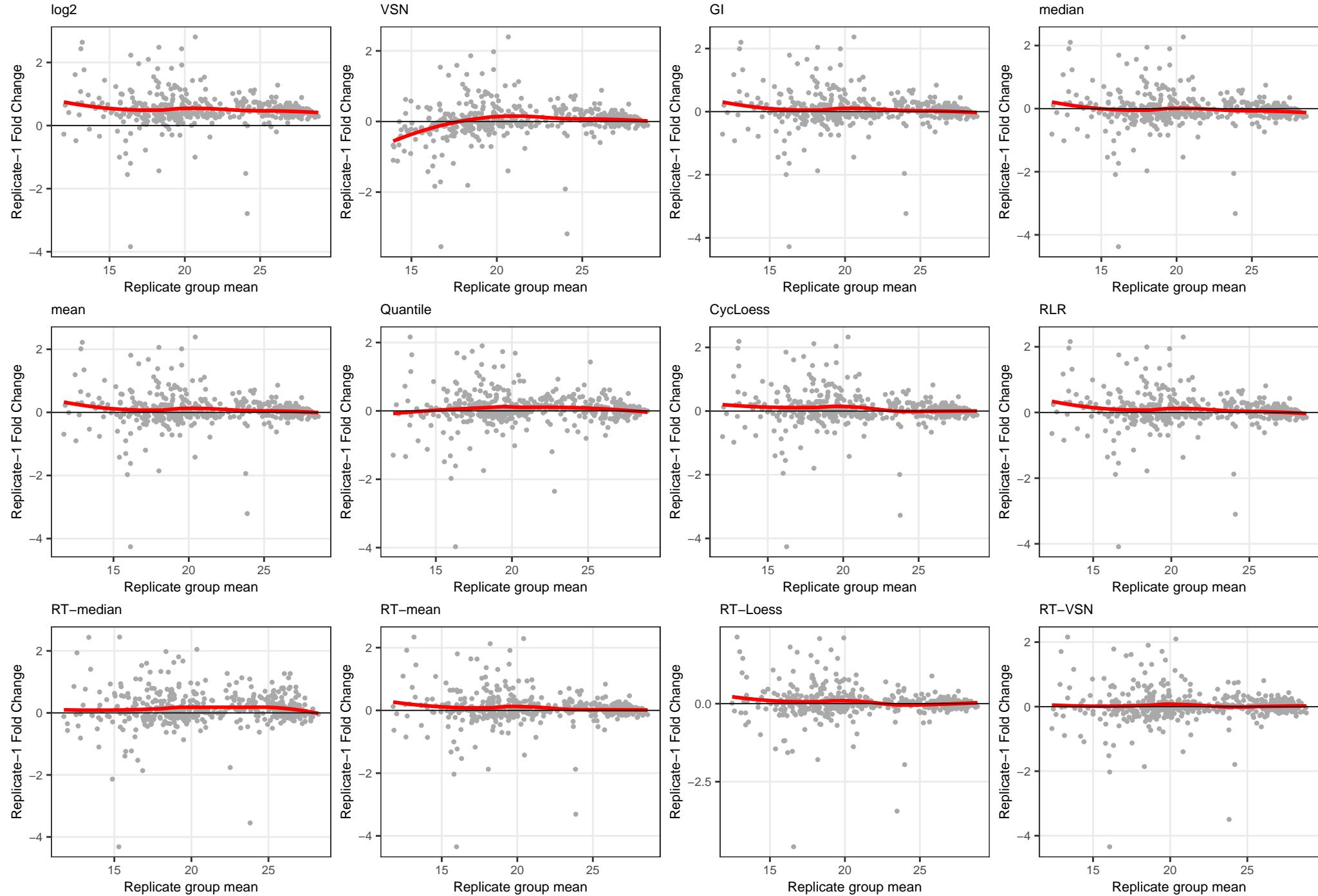
Stable variables plot

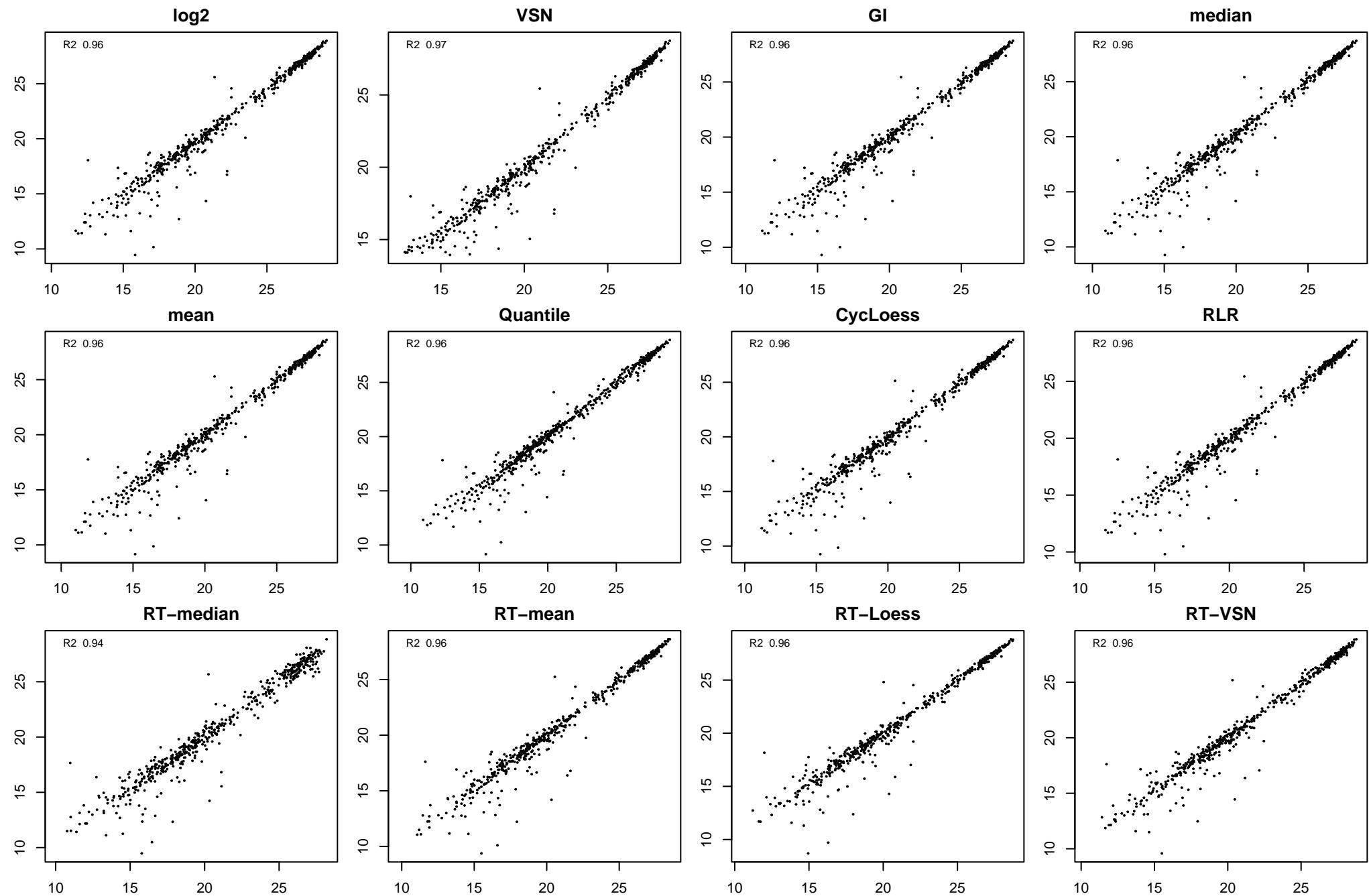




## MA plots

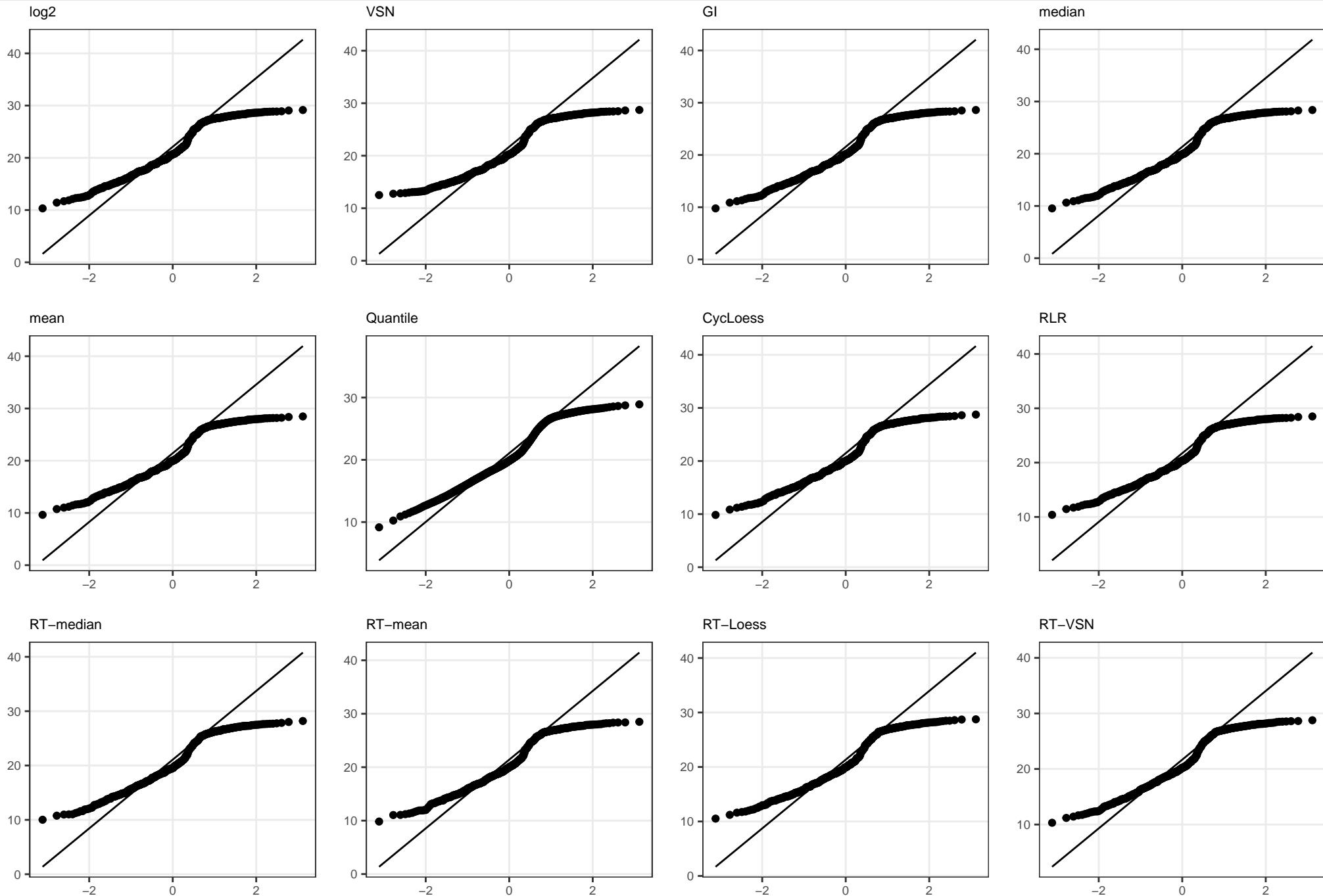
## NormalizerDE Report





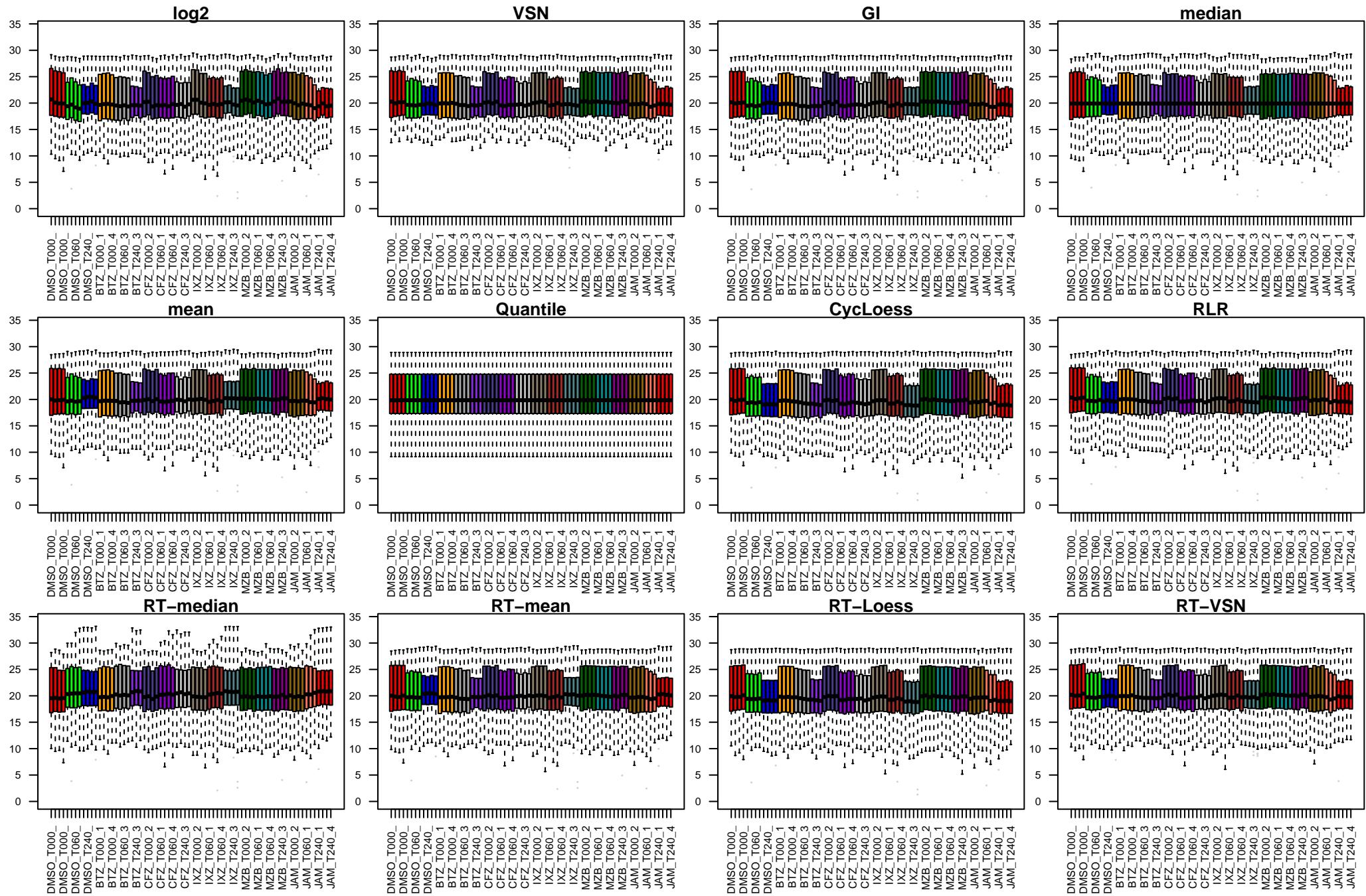
## Q-Q plots

## NormalizerDE Report



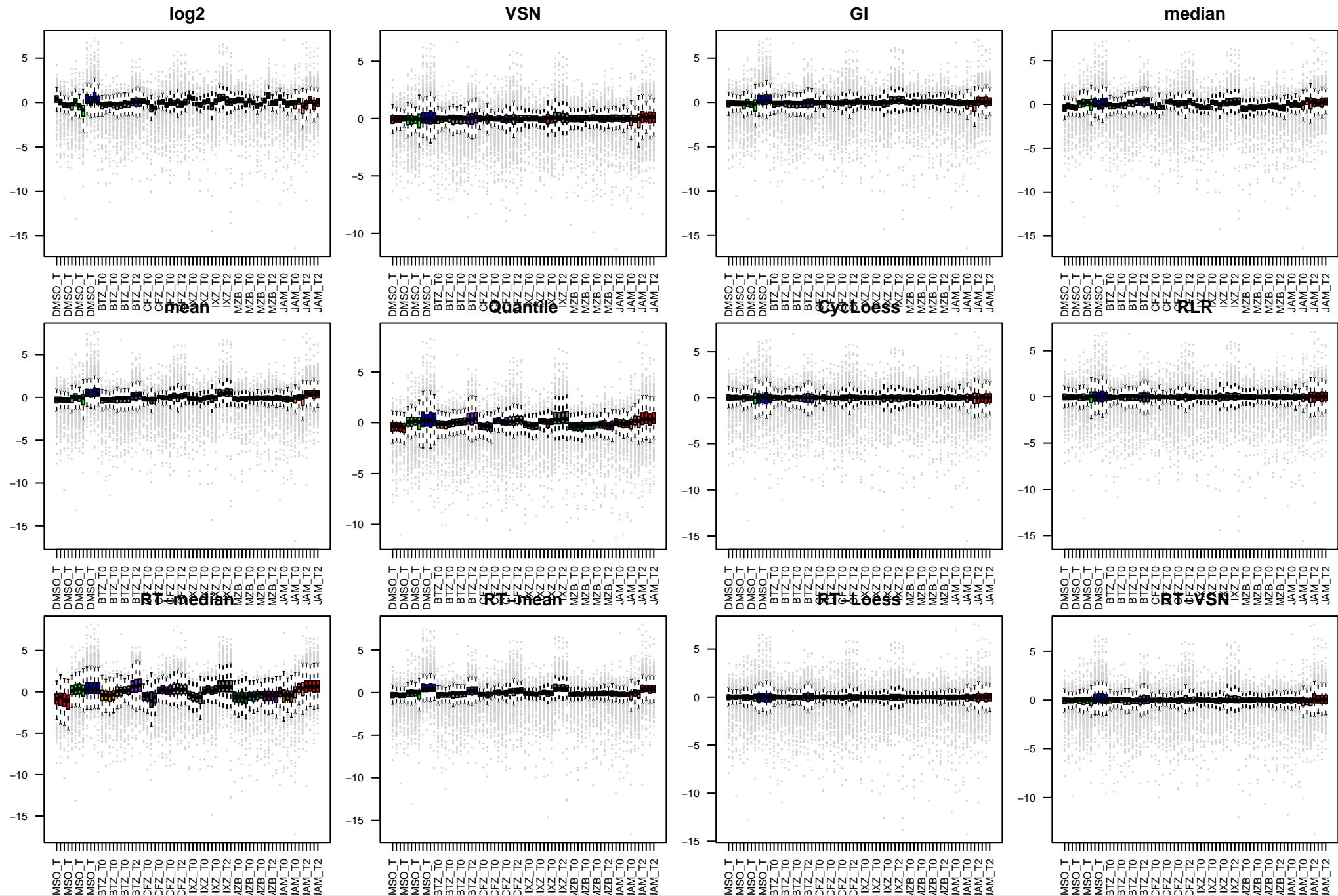
# Boxplots

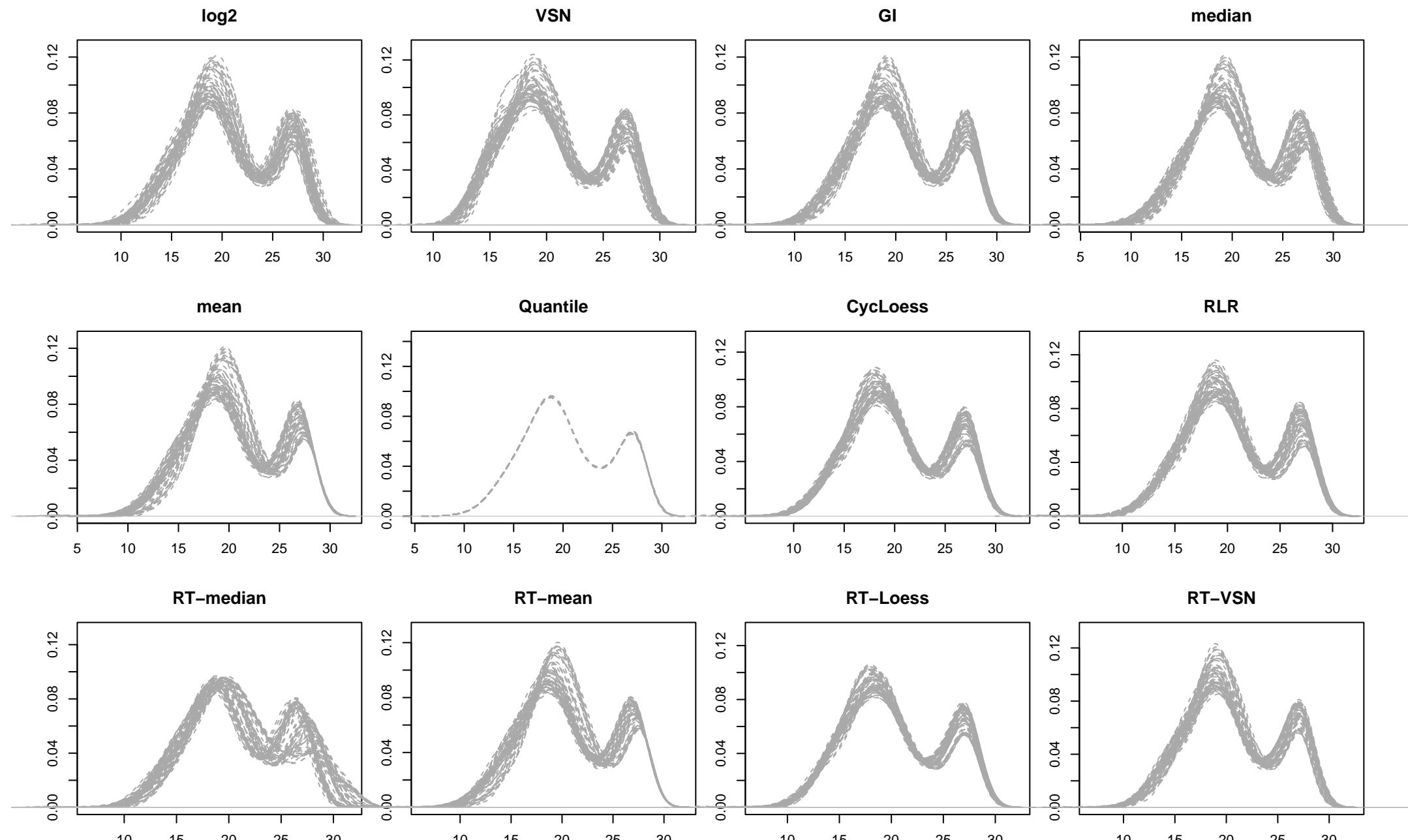
NormalizerDE Report

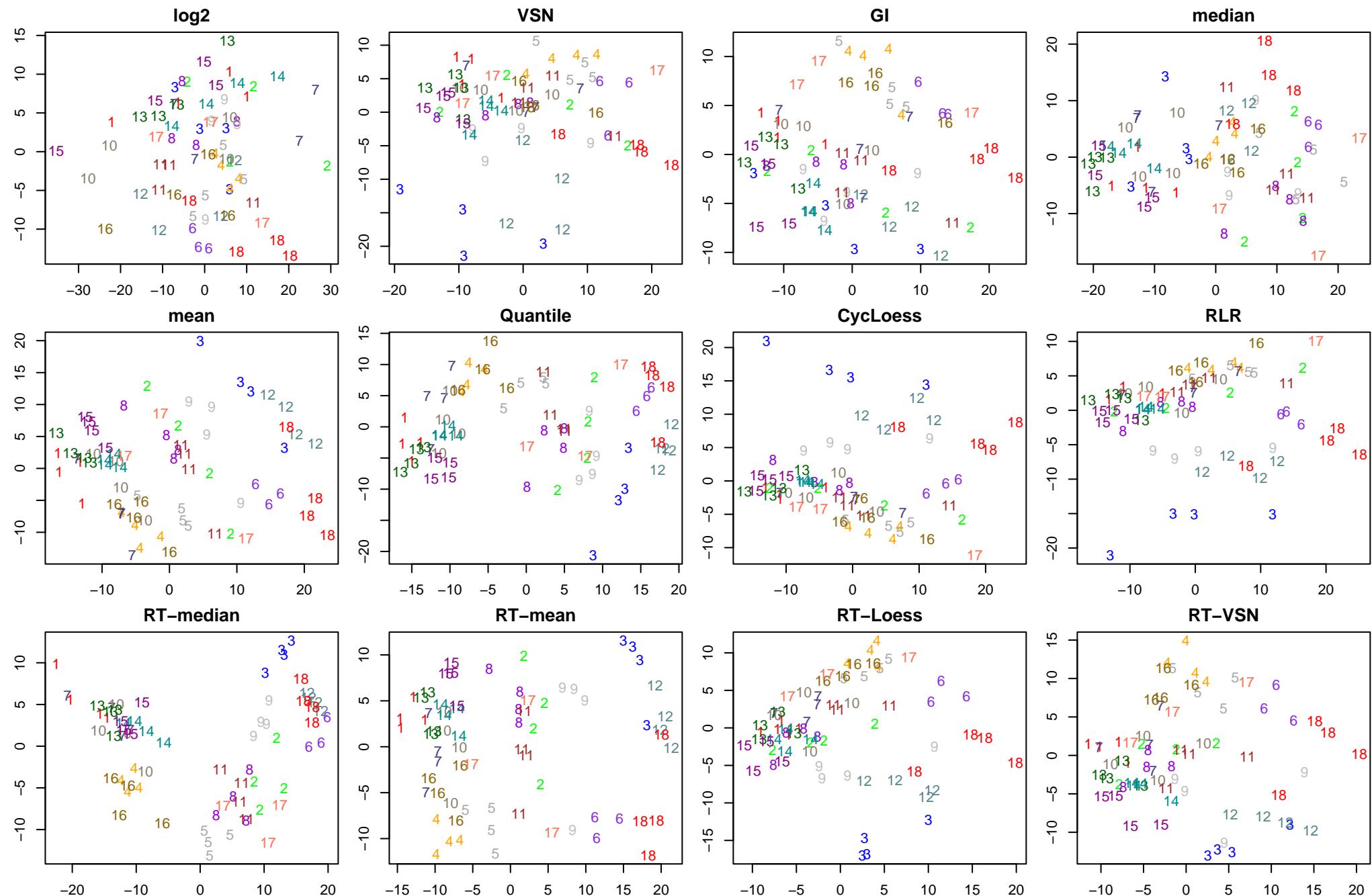


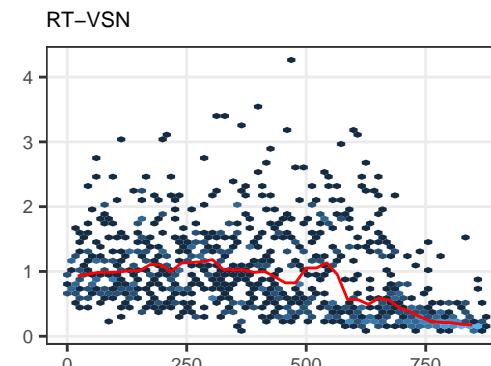
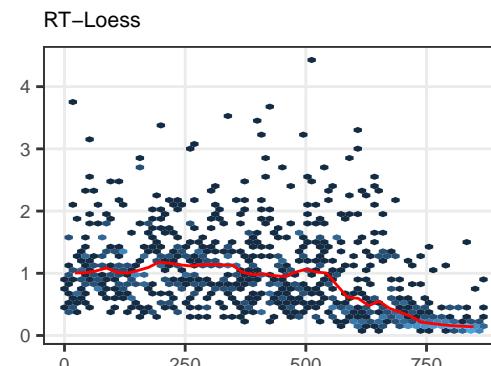
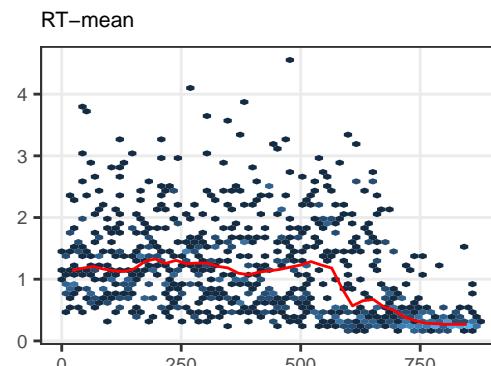
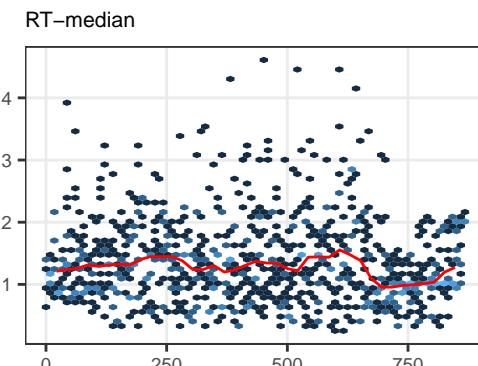
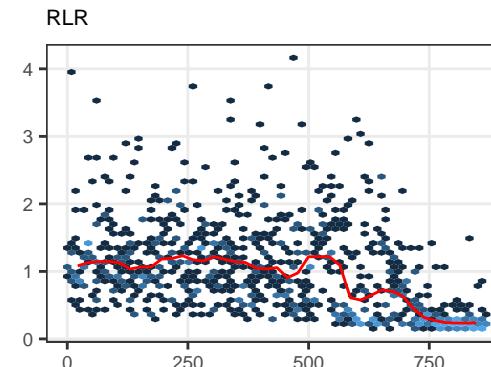
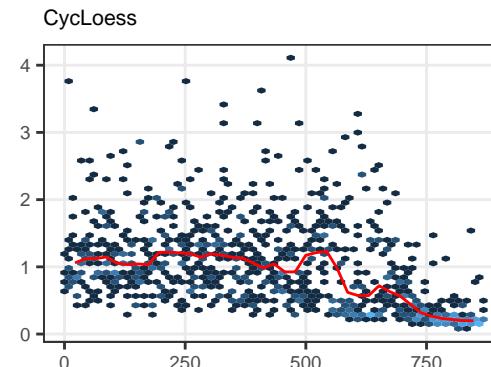
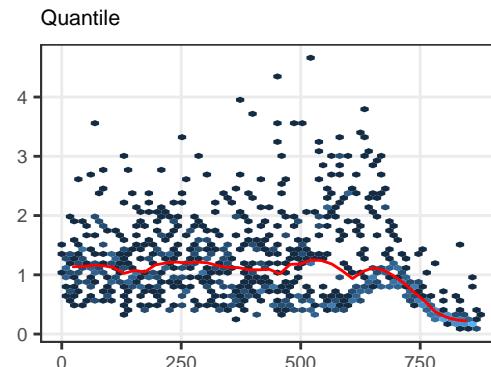
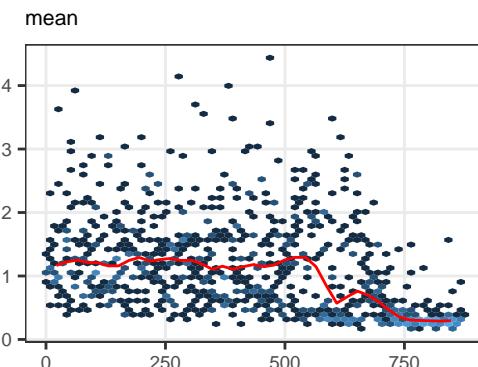
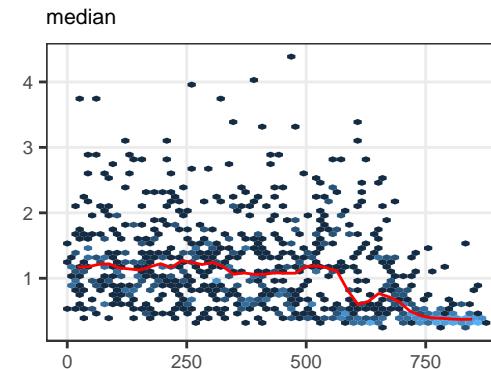
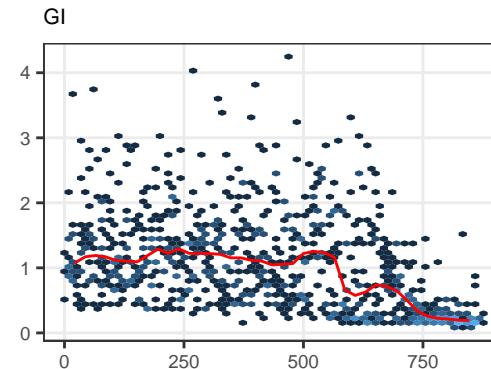
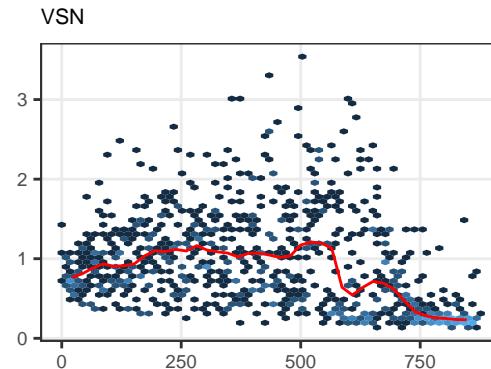
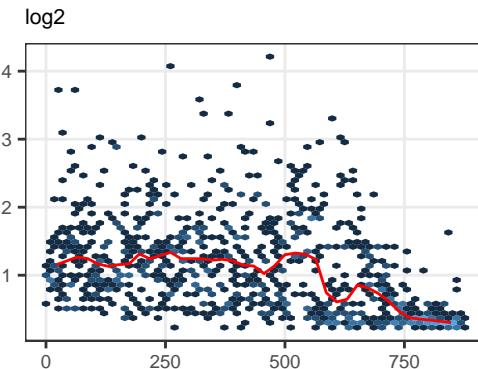
# Relative Log Expression (RLE) plots

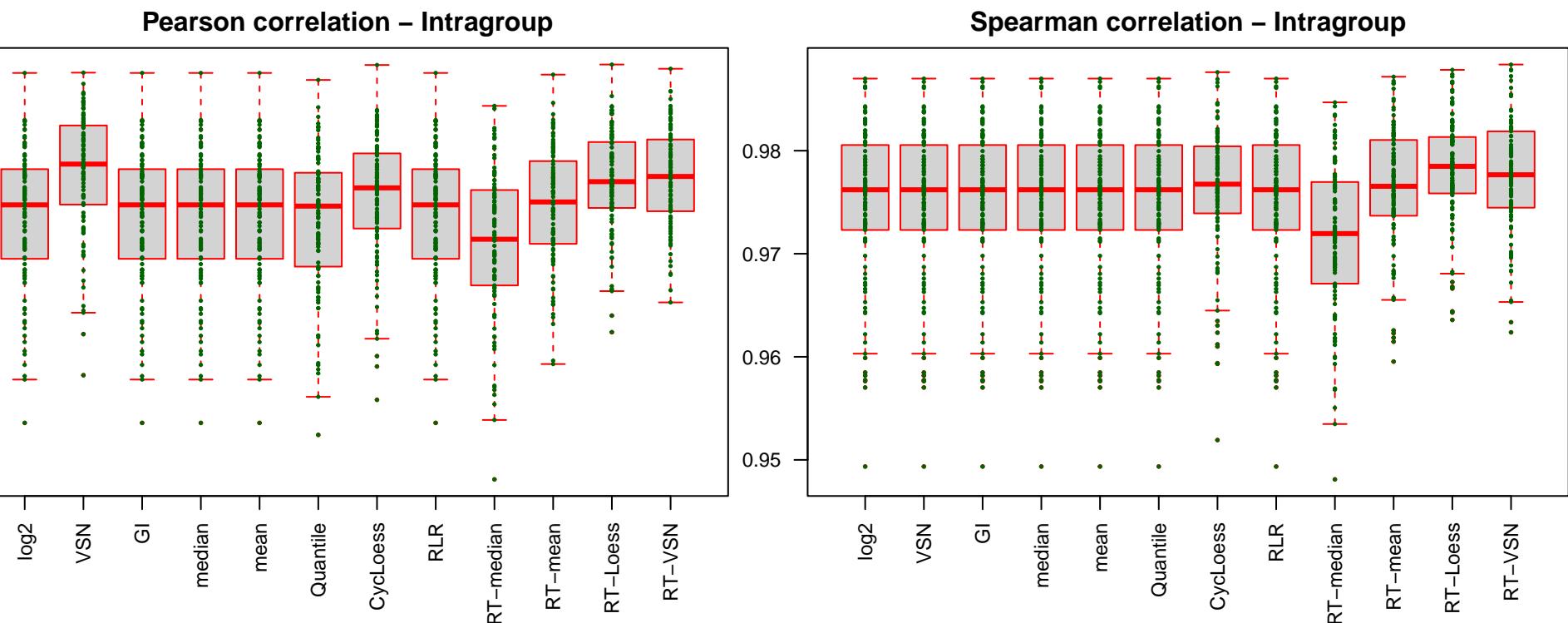
# NormalizerDE Report

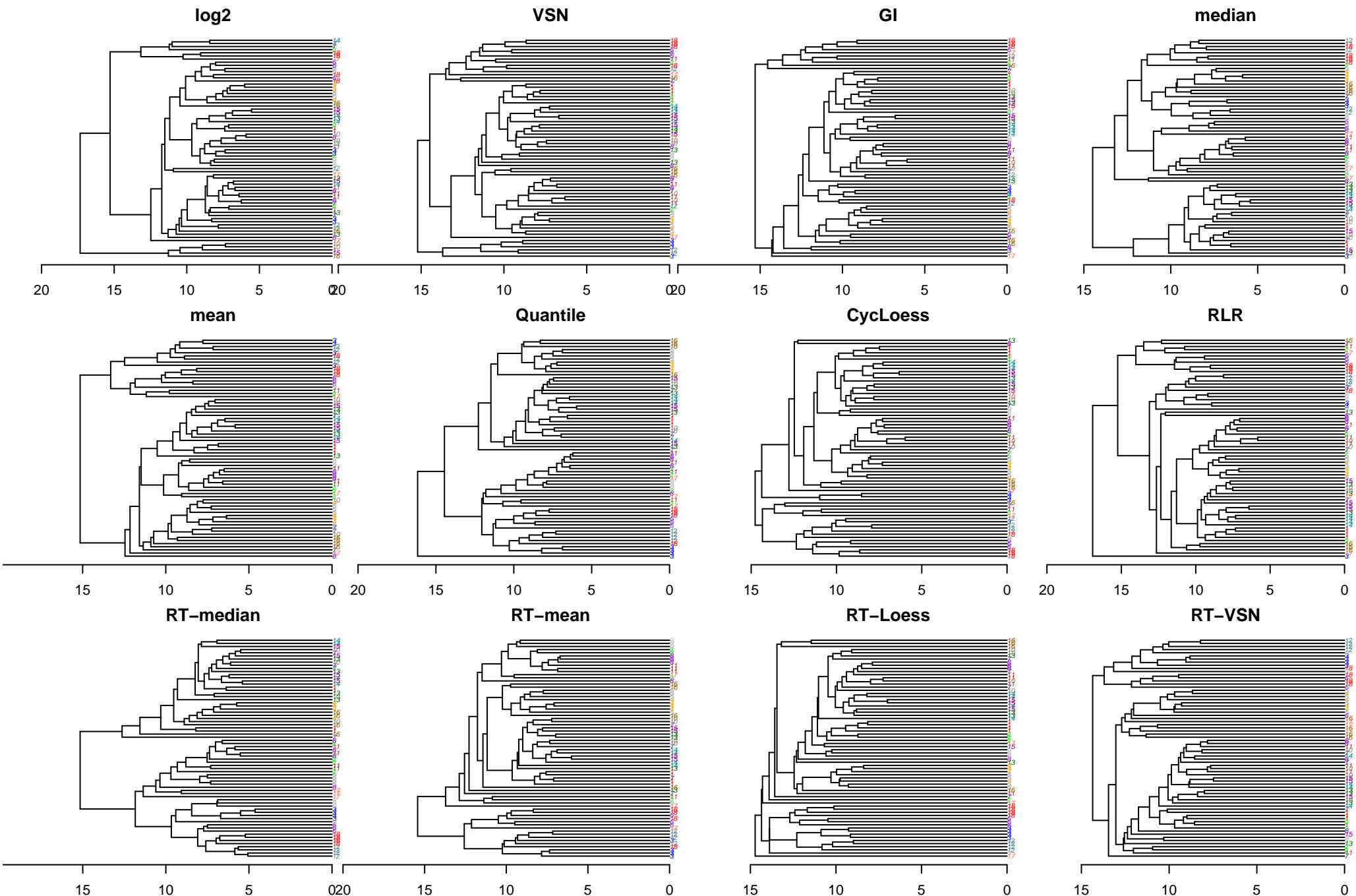












## HistPlots

## NormalizerDE Report

