

Project Name: 2024-07-31\_msplms\_normalize\_output

# NormalizerDE (ver 1.19.7 )

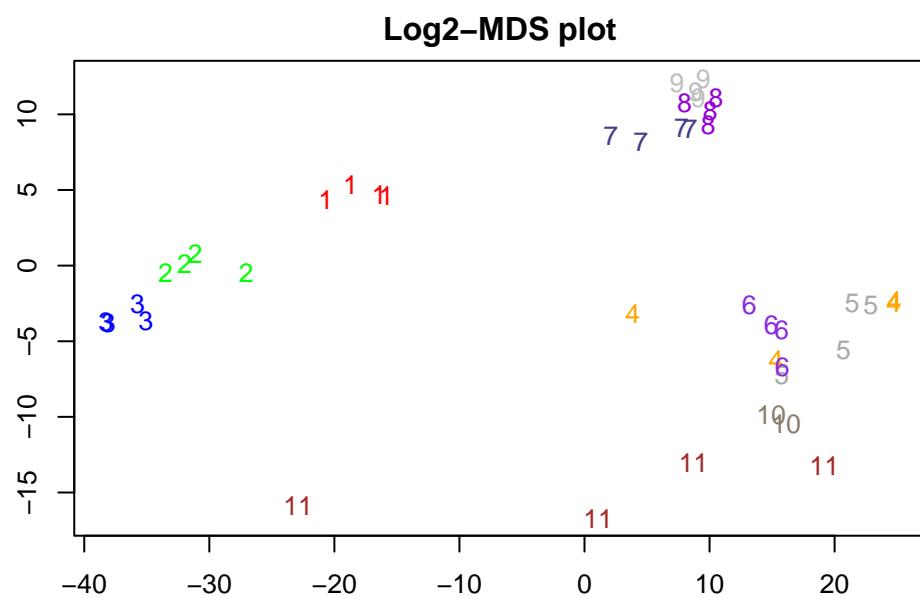
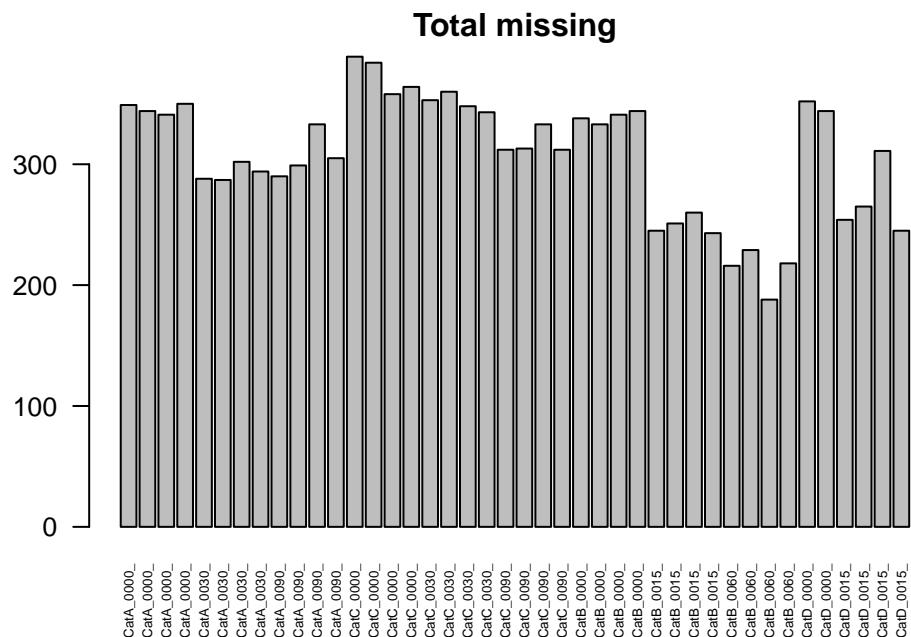
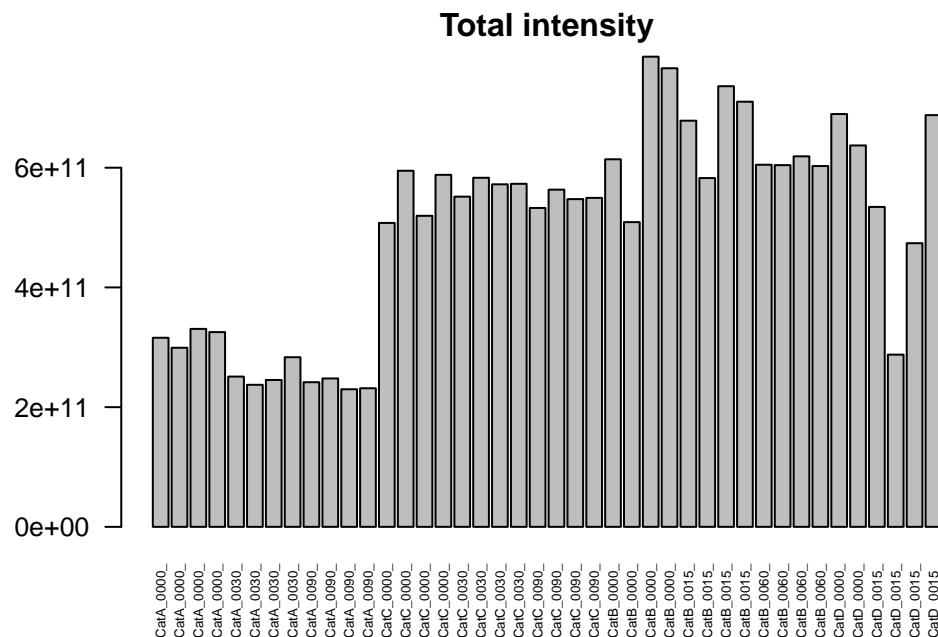
Report created on: 2024-07-31

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

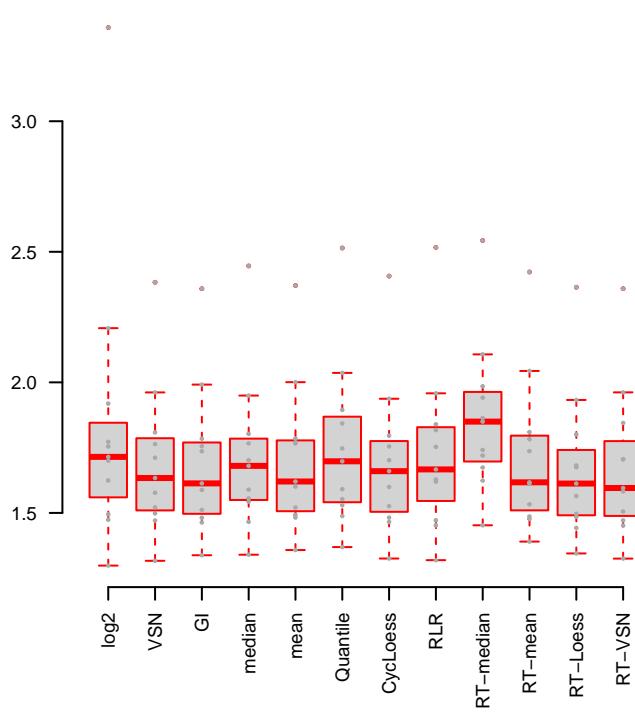
Documentation for analyzing this report can be found at <http://quantitativeproteomics.org/normalizer/help.php>

Group nbr.	Design group	Nbr. samples in cond.
1	CatA_0000	4
2	CatA_0030	4
3	CatA_0090	4
4	CatB_0000	4
5	CatB_0015	4
6	CatB_0060	4
7	CatC_0000	4
8	CatC_0030	4
9	CatC_0090	4
10	CatD_0000	2
11	CatD_0015	4

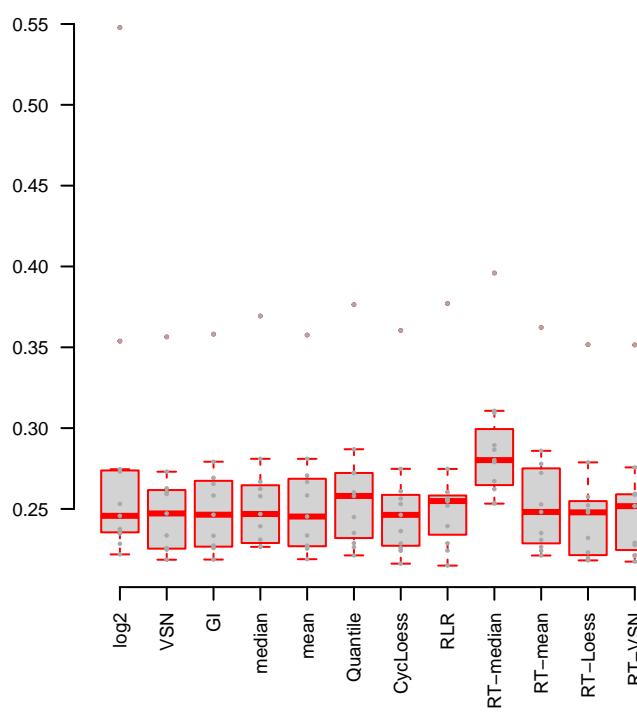
Please note that the grouping only impacts evaluation measures and visuals seen in the report, they do not impact the performed normalizations.



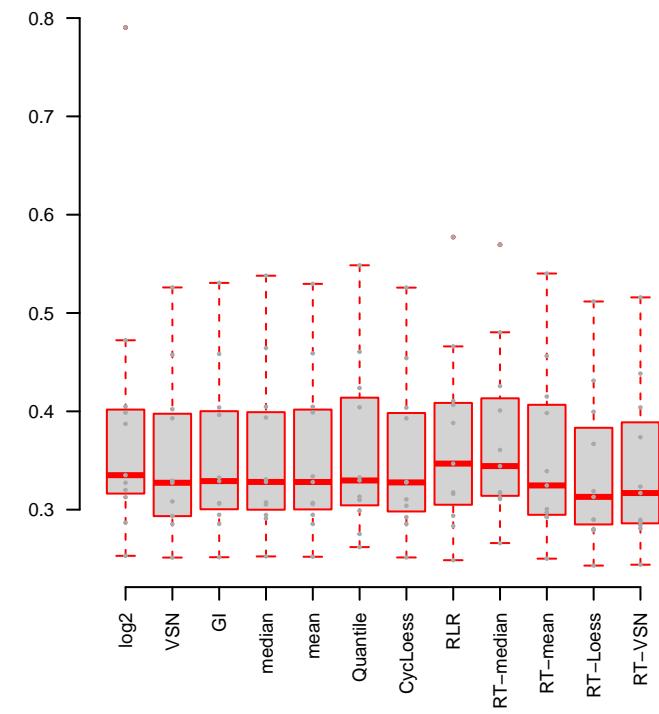
PCV – Intragroup



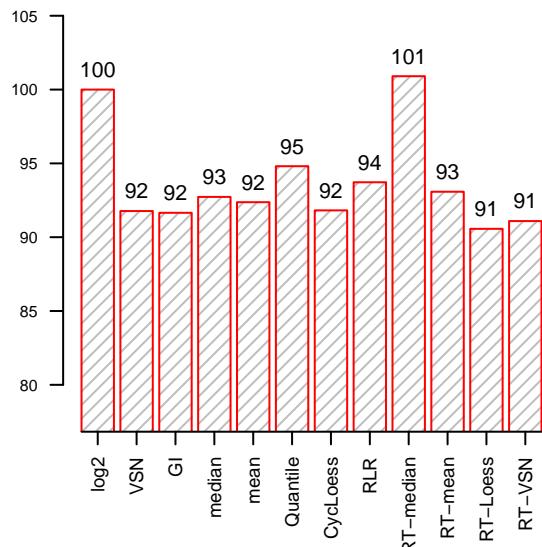
PMAD – Intragroup



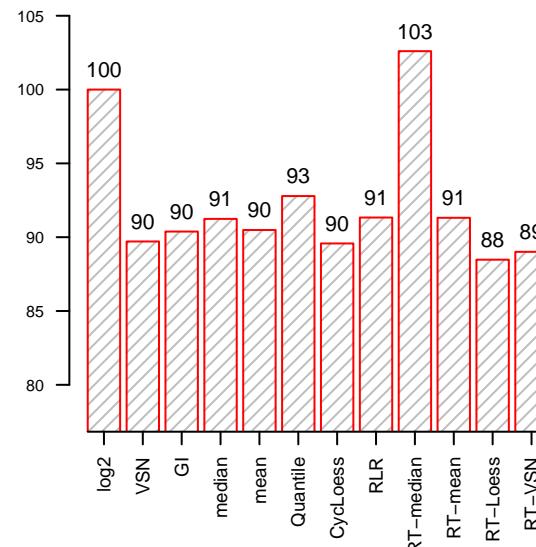
PEV – Intragroup



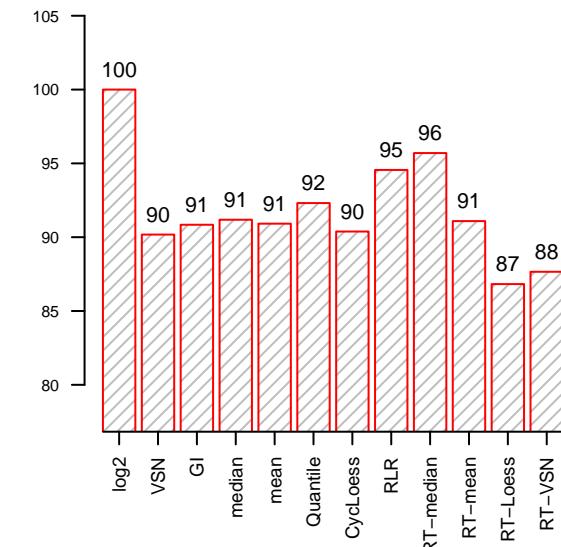
PCV compared to log2



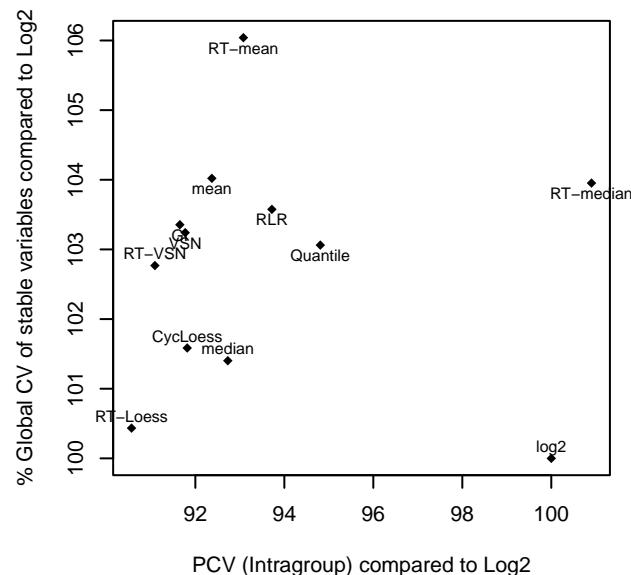
PMAD compared to log2

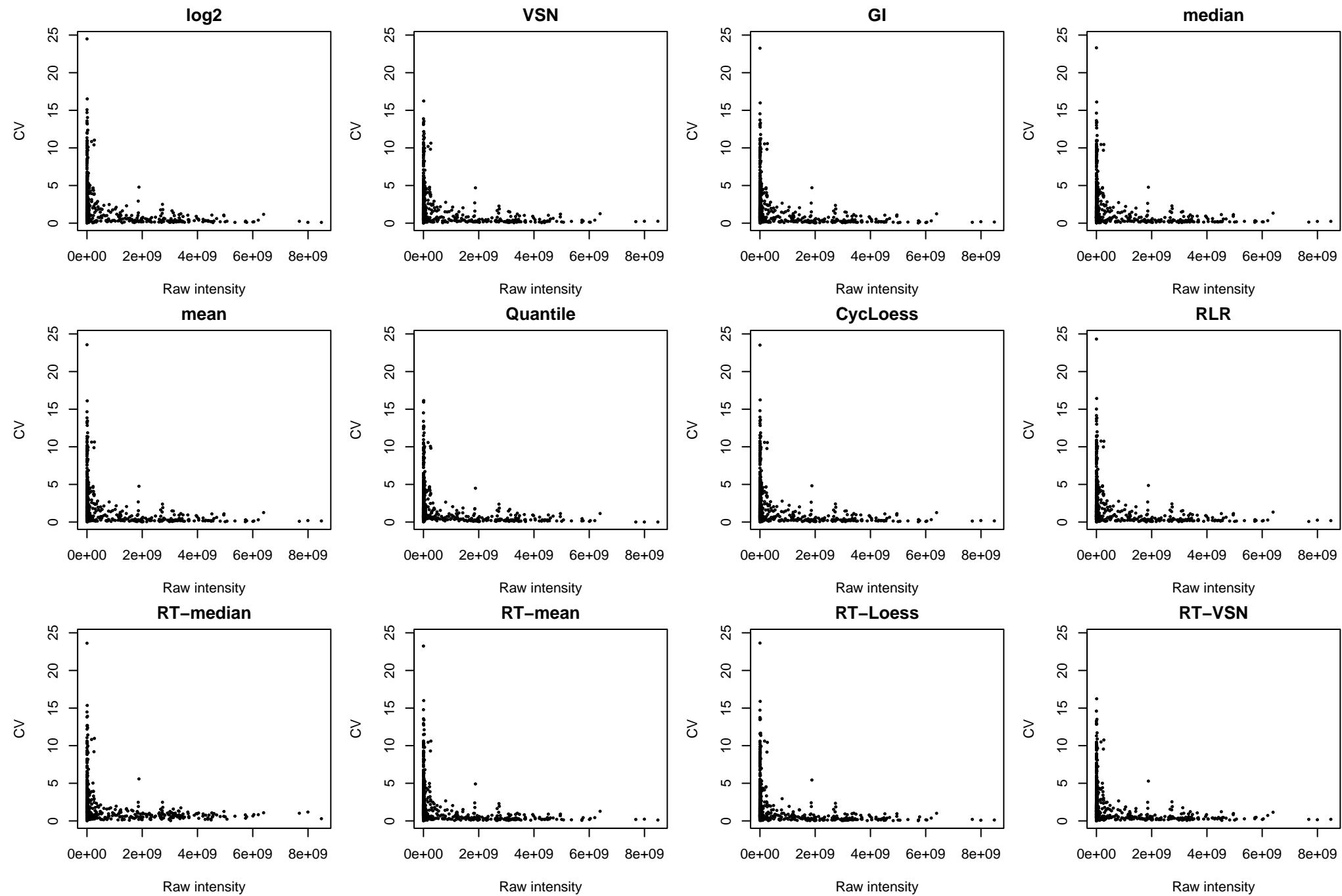


%PEV – compared to log2



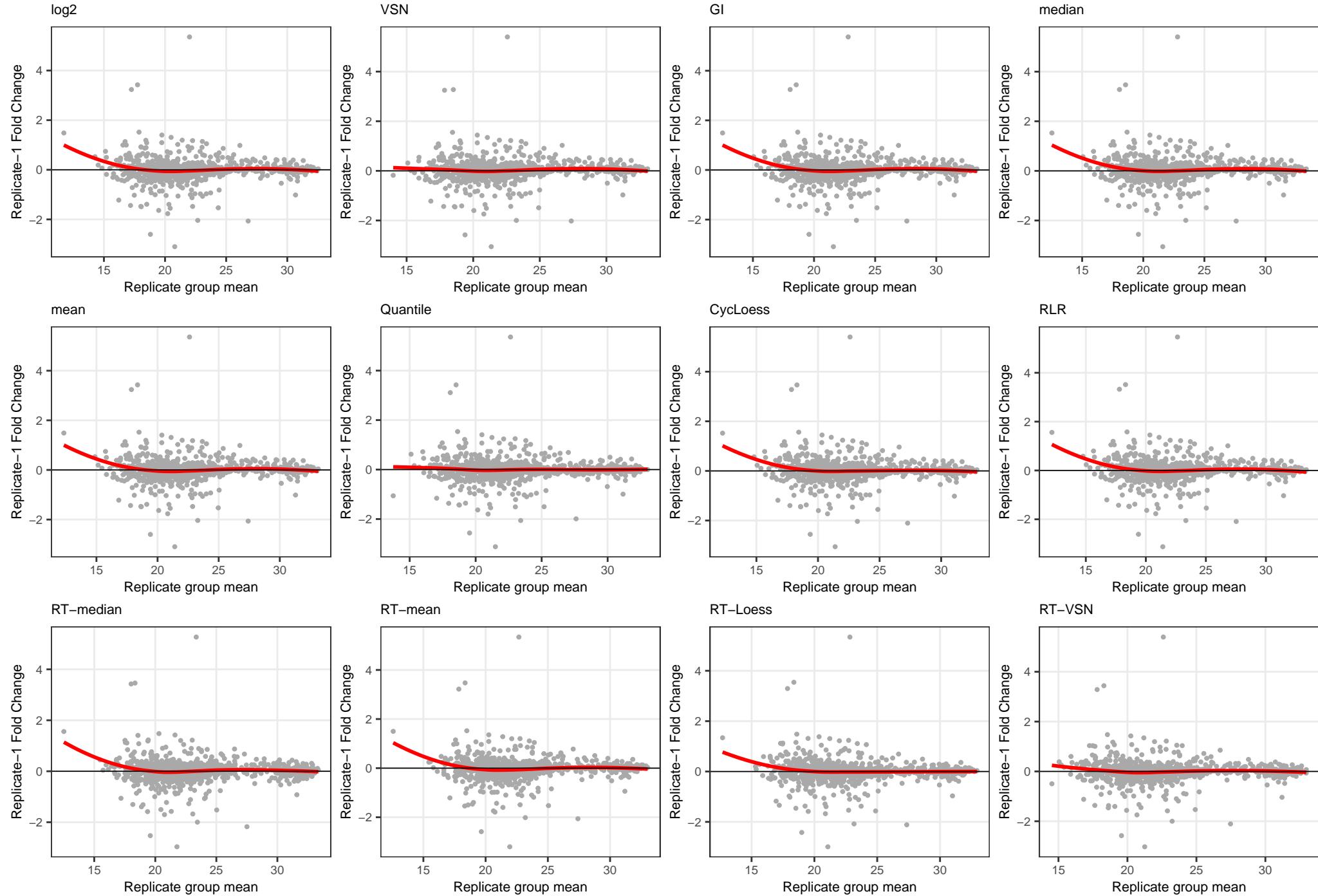
Stable variables plot

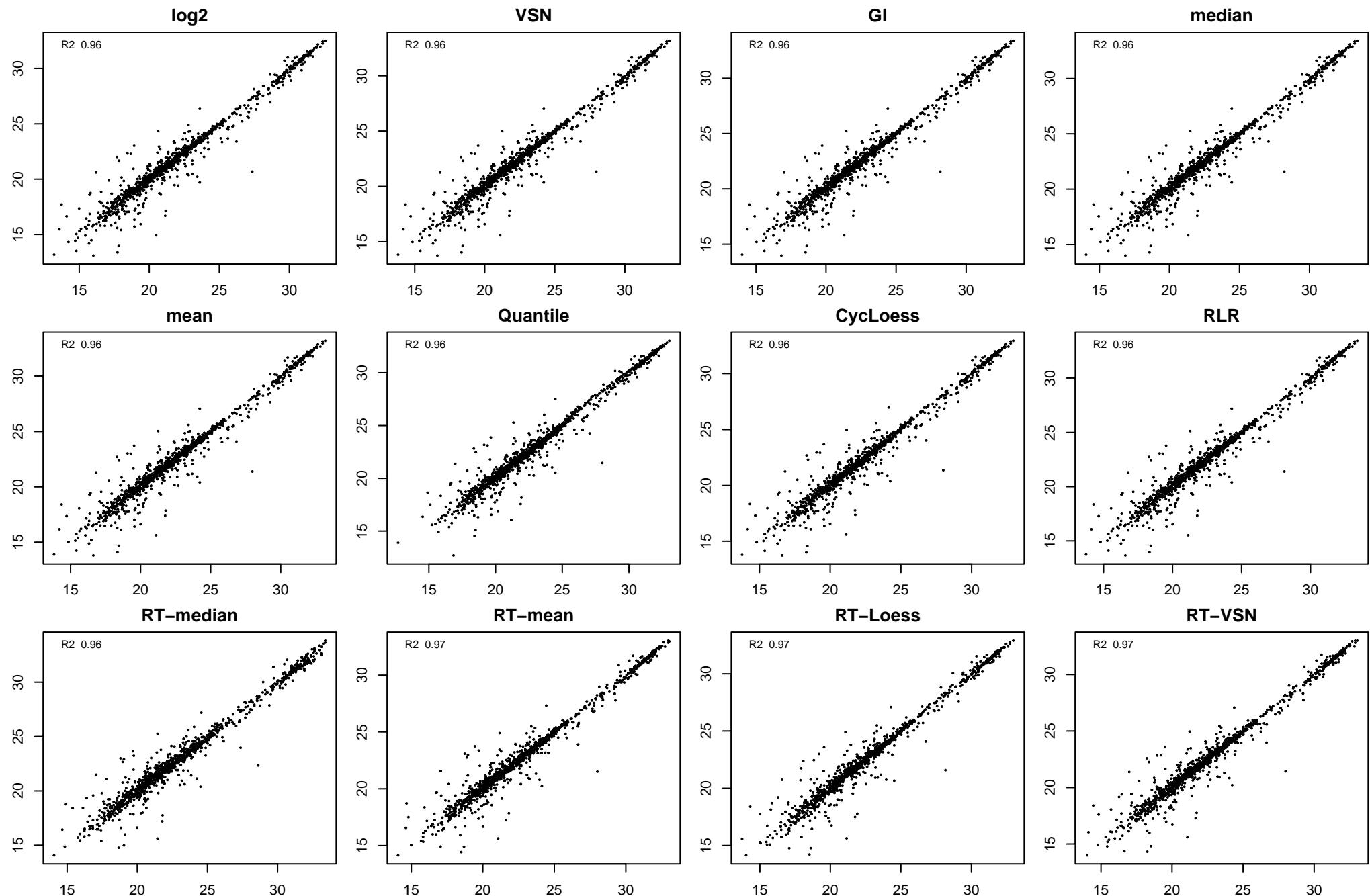




## MA plots

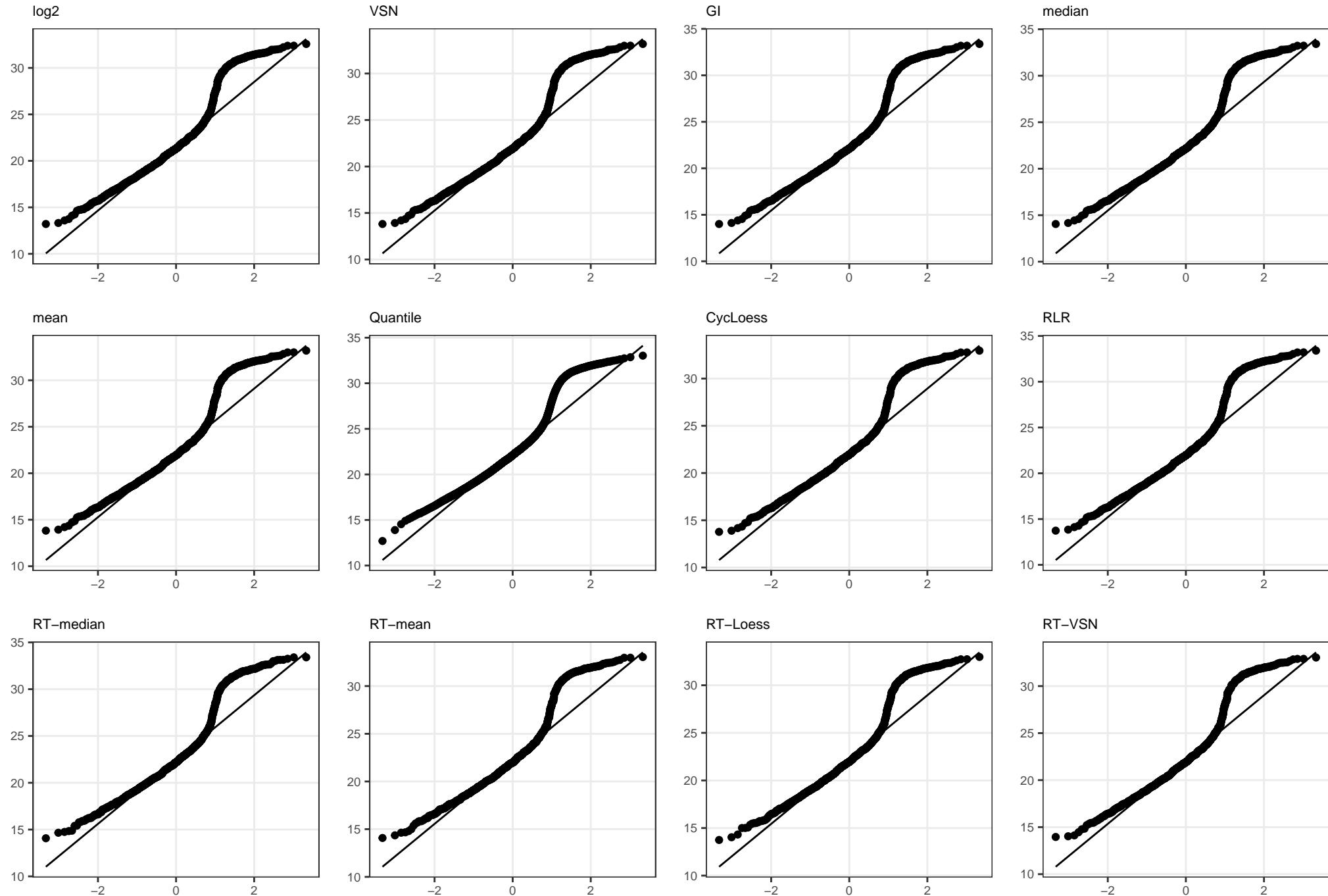
## NormalizerDE Report

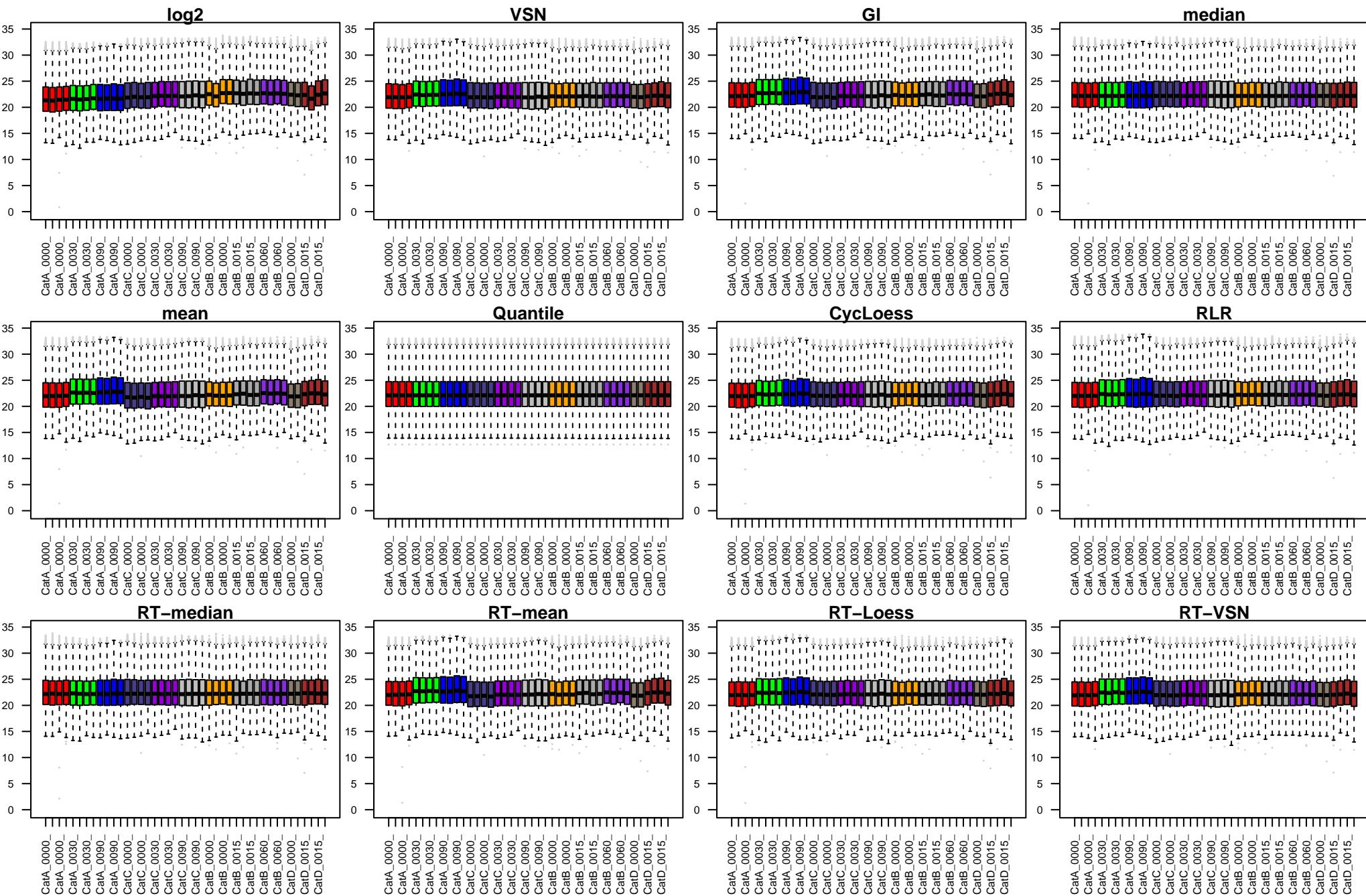




## Q-Q plots

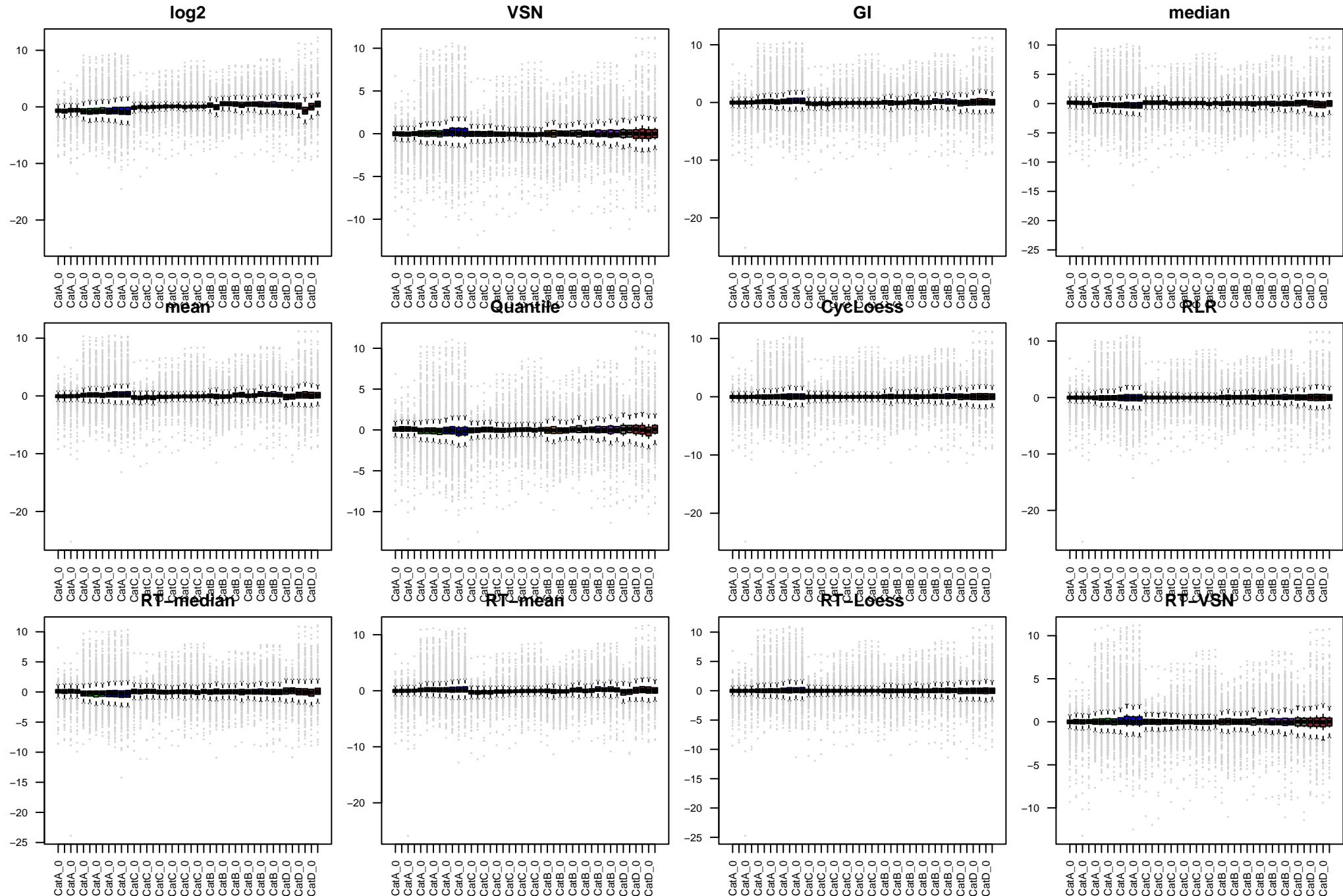
## NormalizerDE Report



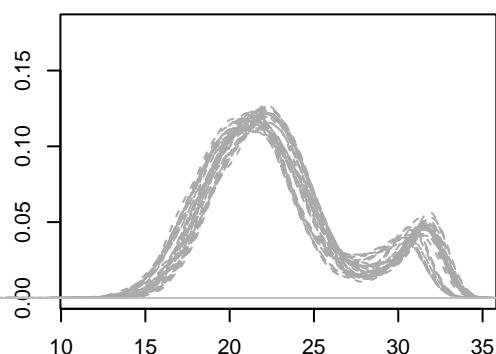


# Relative Log Expression (RLE) plots

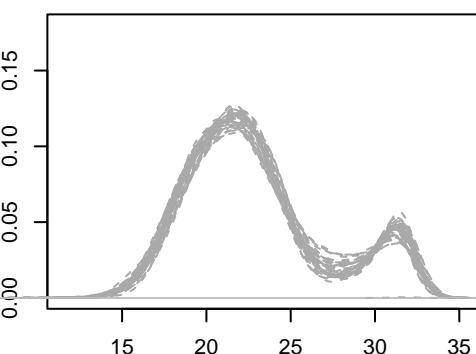
NormalizerDE Report



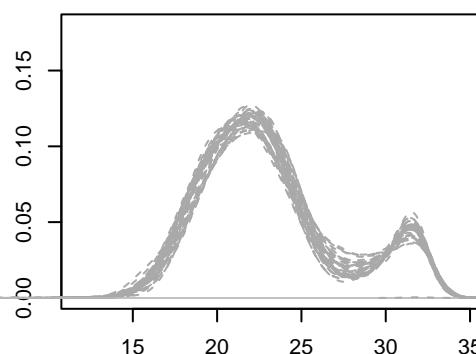
log2



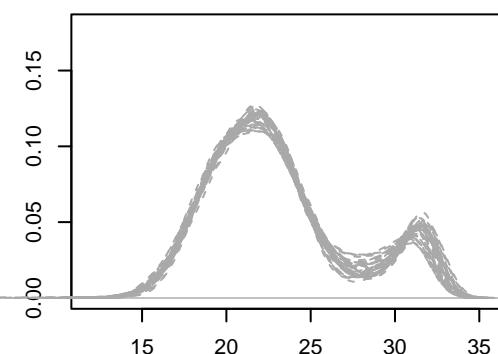
VSN



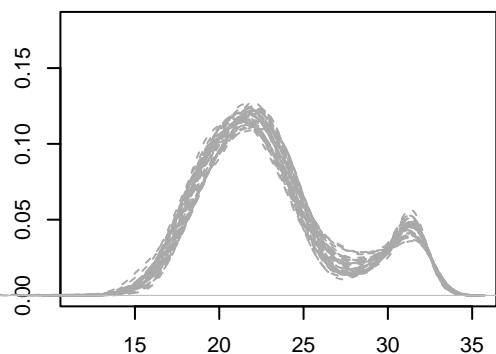
GI



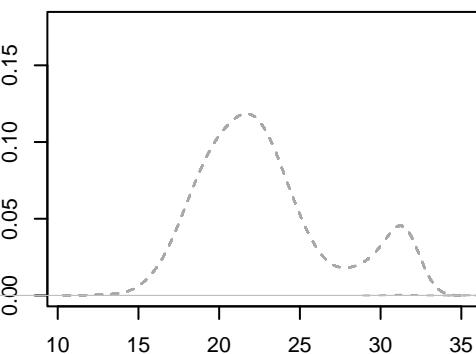
median



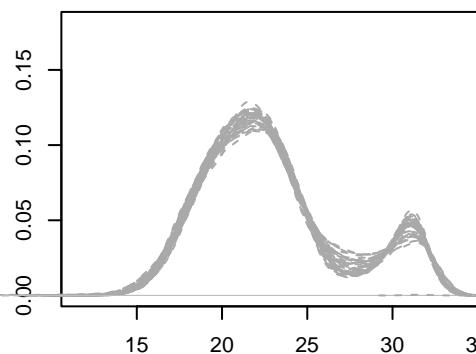
mean



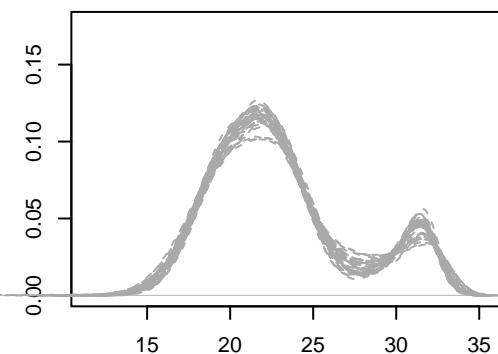
Quantile



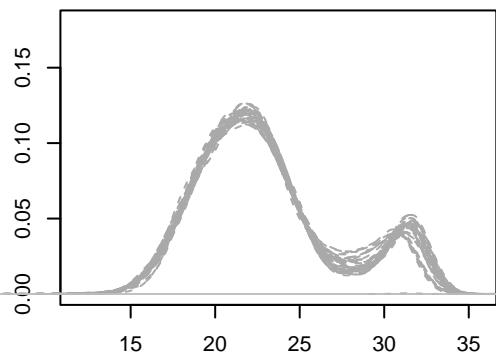
CycLoess



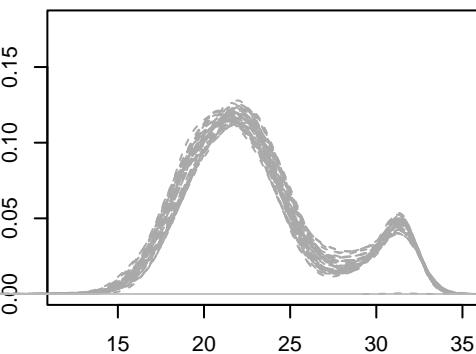
RLR



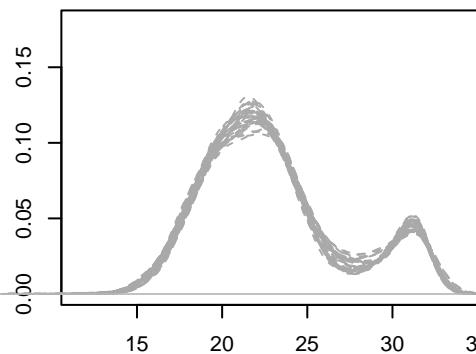
RT-median



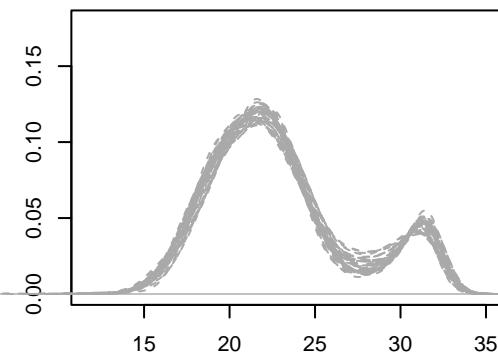
RT-mean

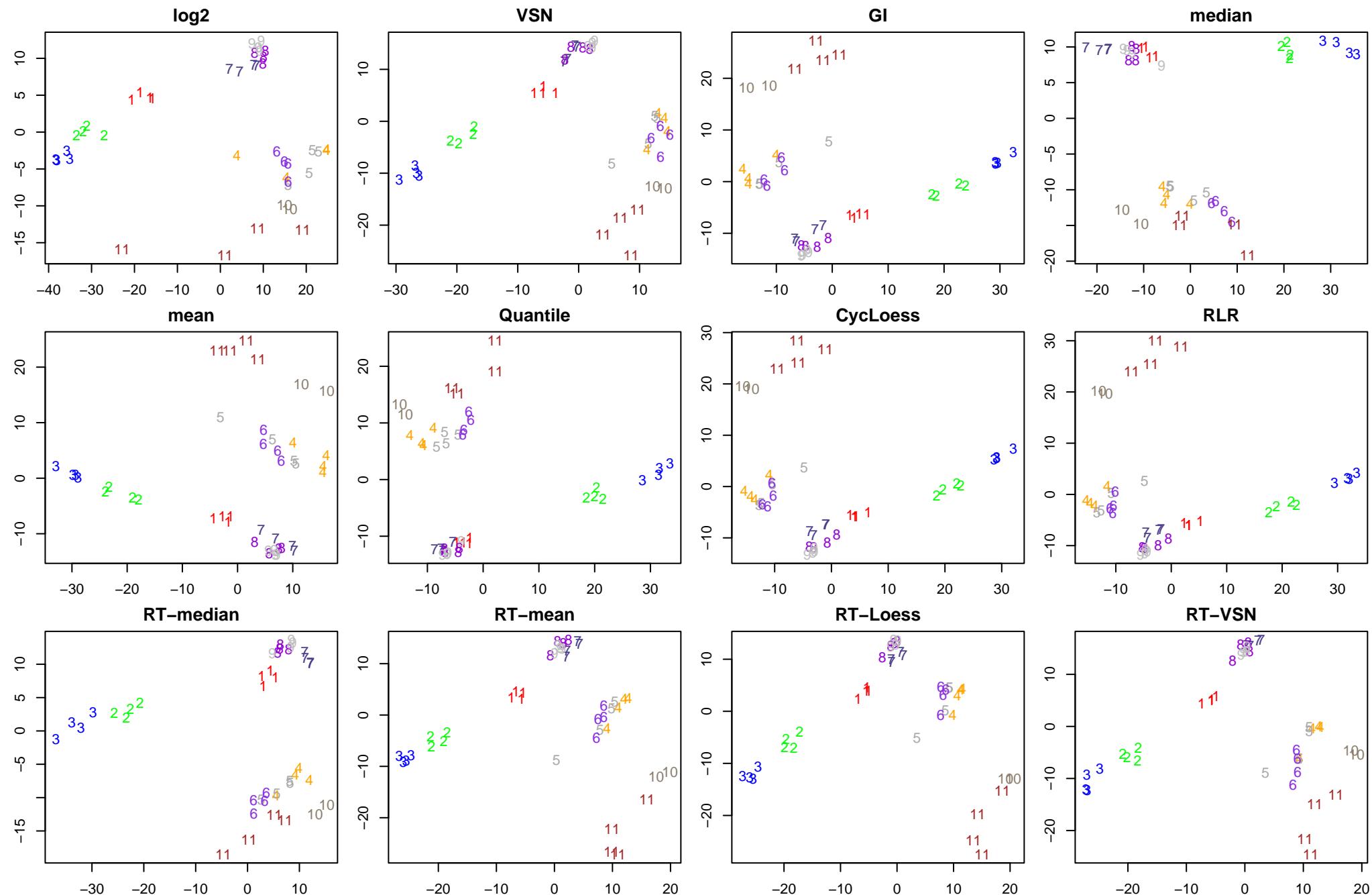


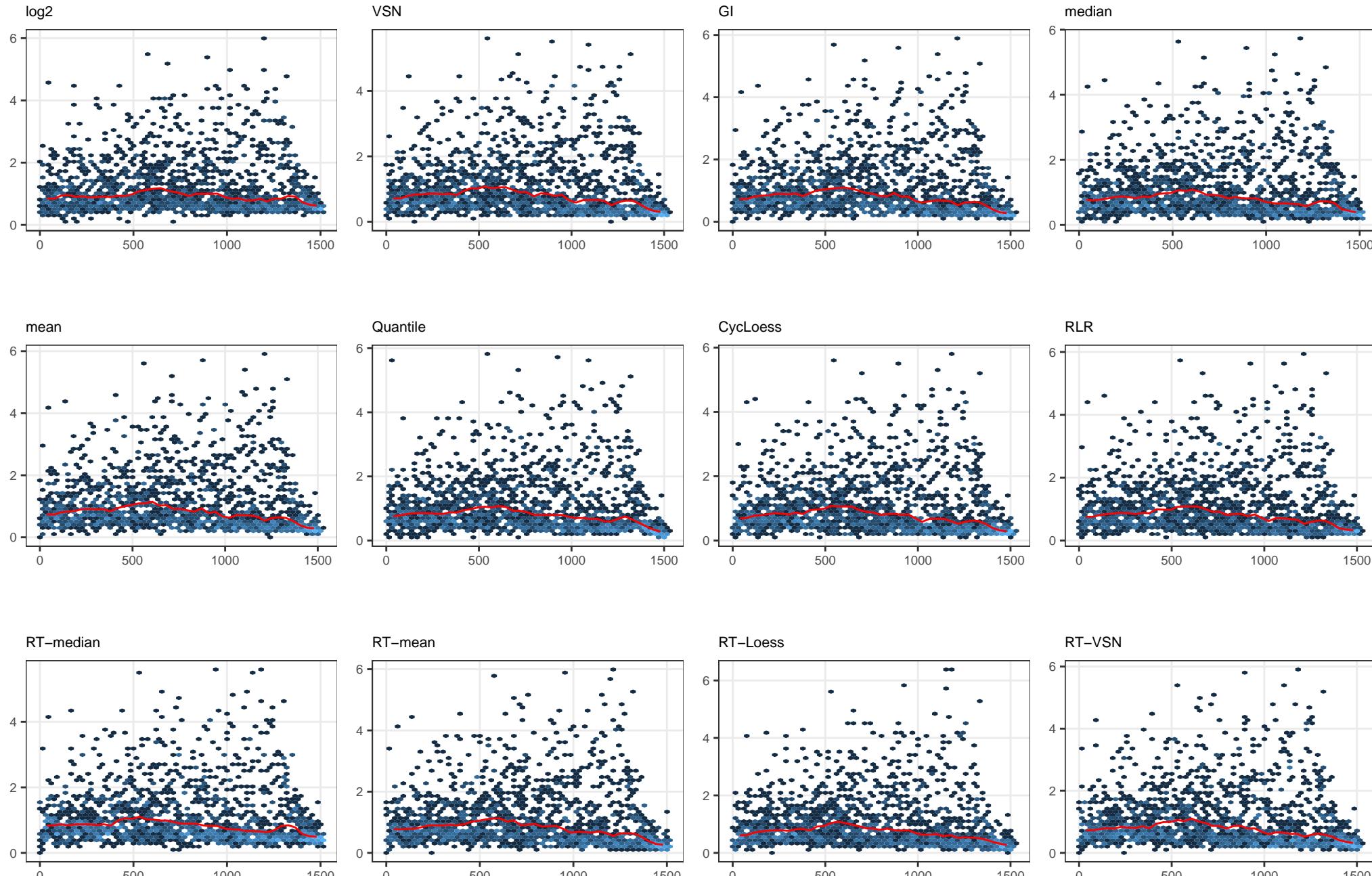
RT-Loess



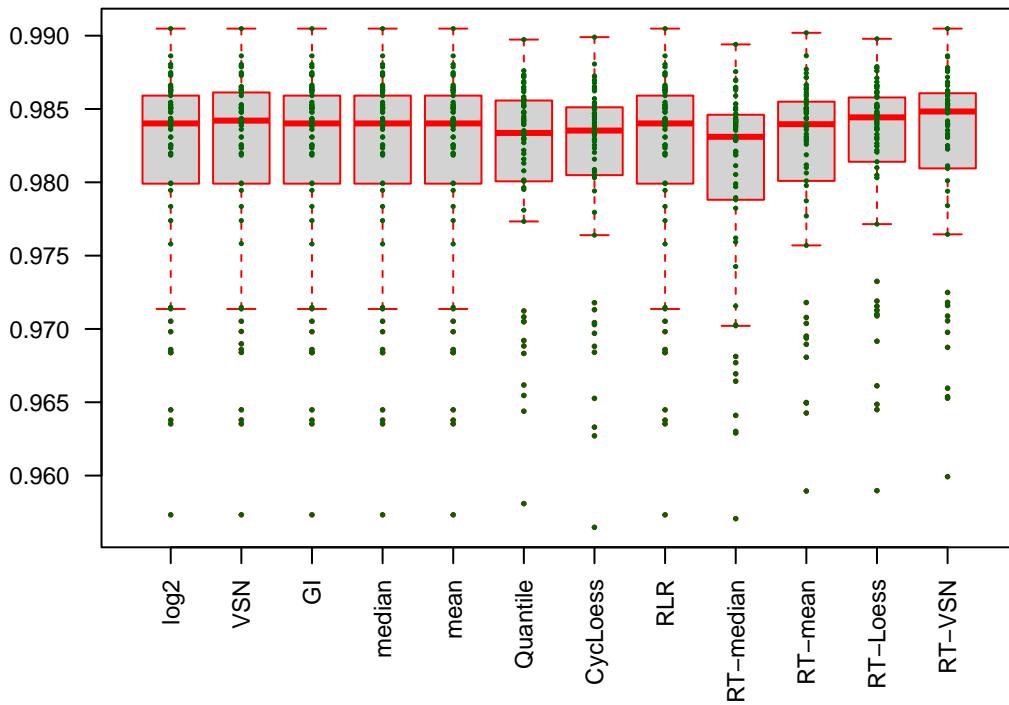
RT-VSN



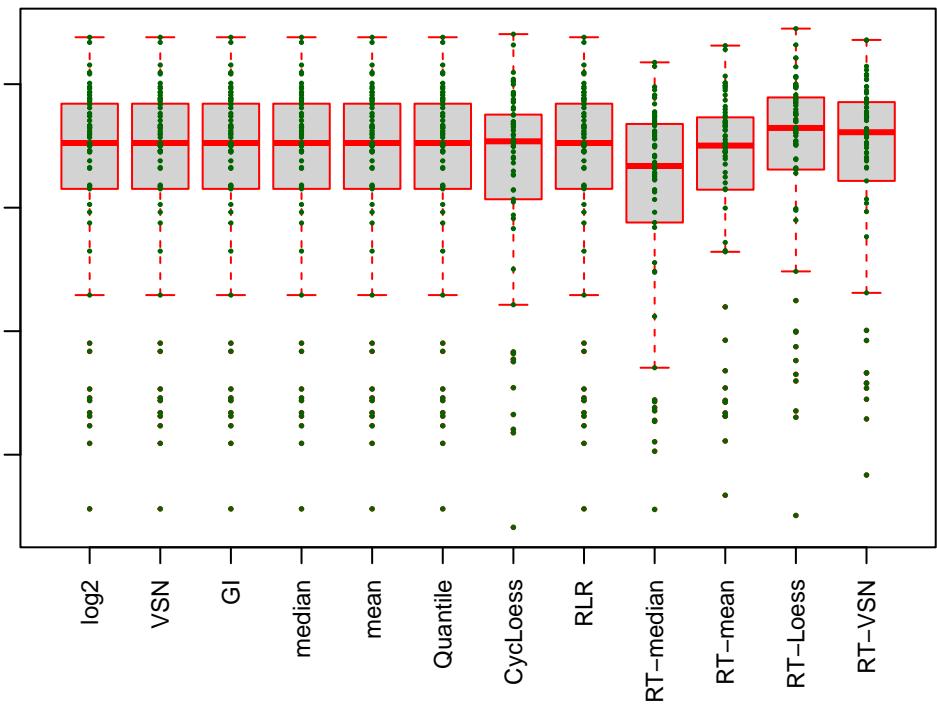


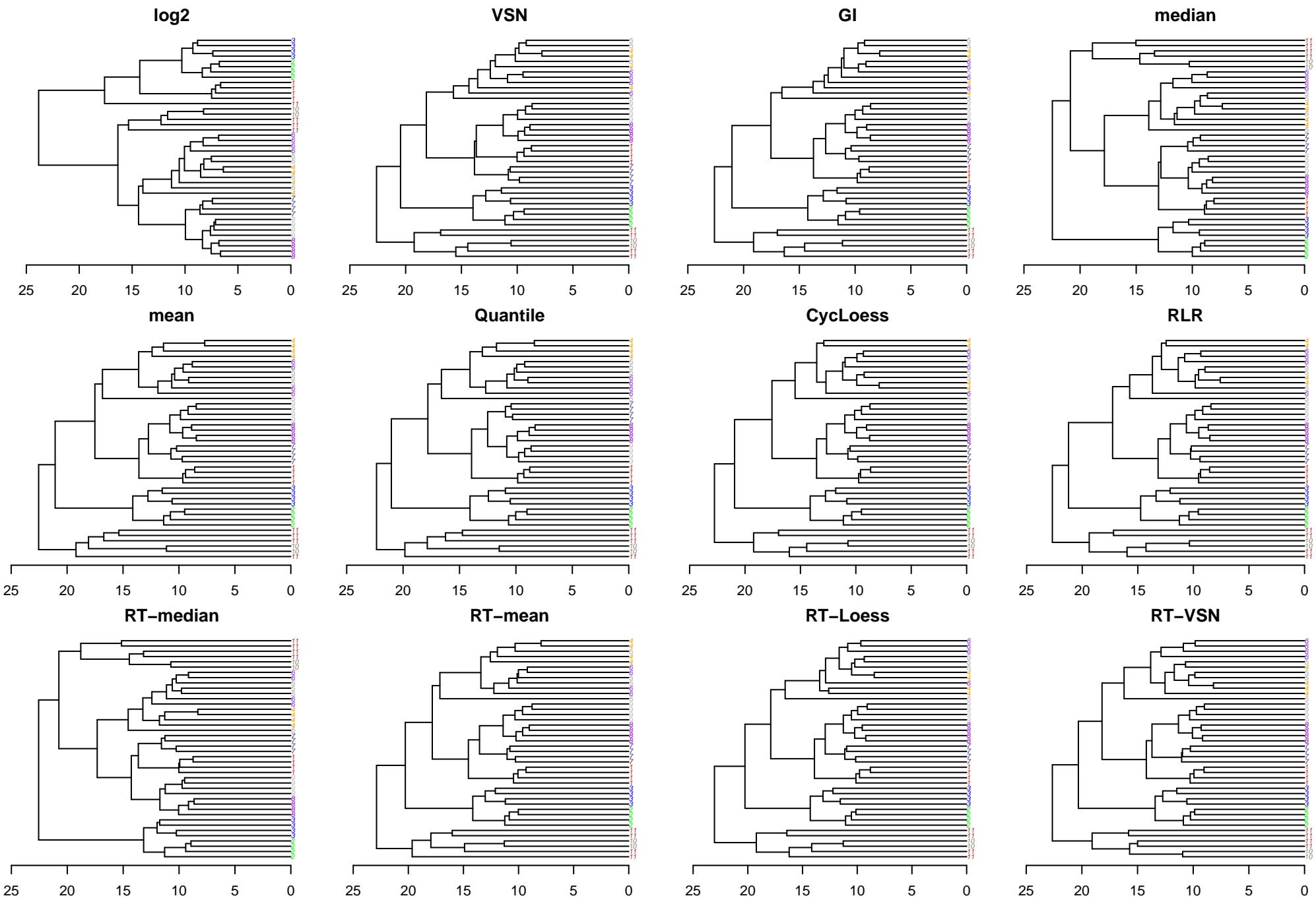


Pearson correlation – Intragroup



Spearman correlation – Intragroup





## HistPlots

## NormalizerDE Report

