

# Toolkit for Differential Expression analysis

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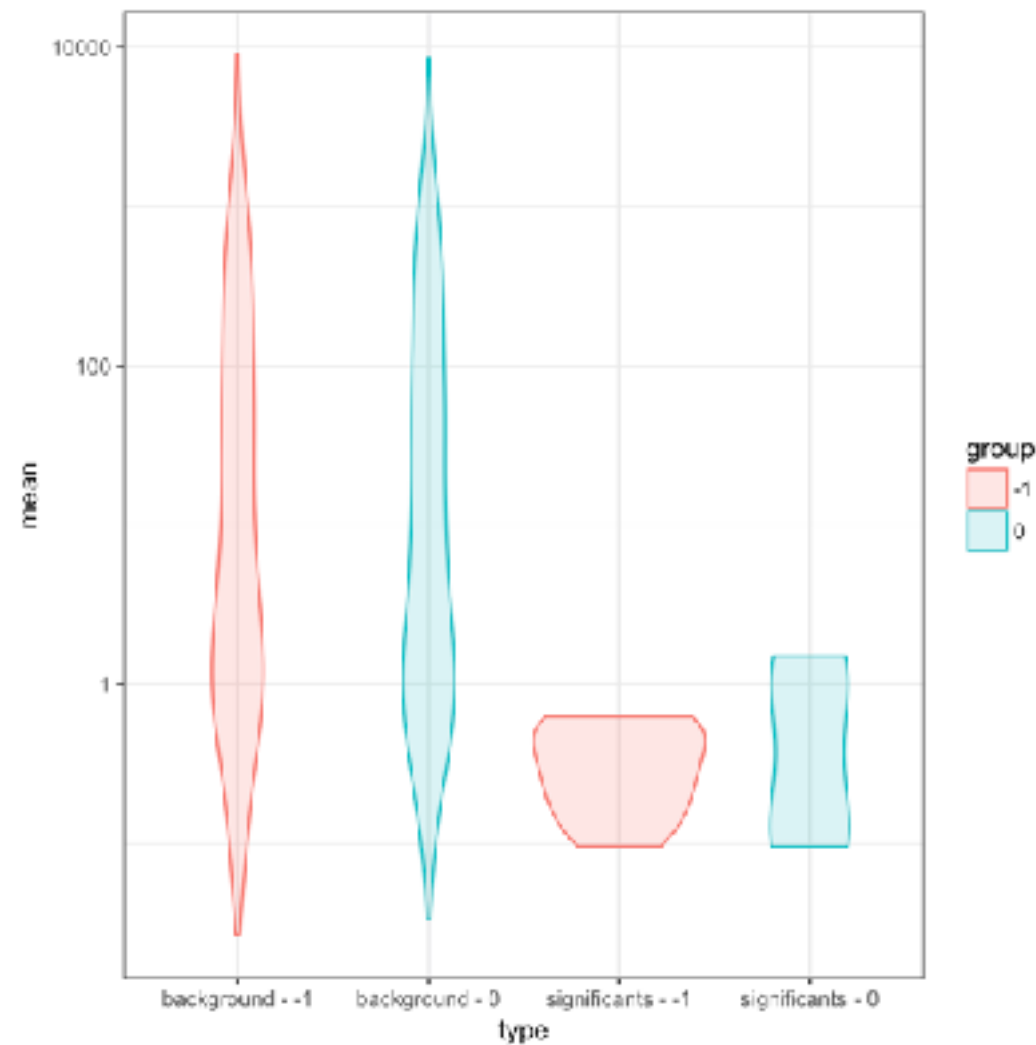
# What

- DEGreport package. Functions that we end up using once and again in DE analysis.
- Large list of contributors: Author: Lorena Pantano [aut, cre], John Hutchinson [ctb], Victor Barrera [ctb], Mary Piper [ctb], Kenneth Daily [ctb], Thanneer Malai Perumal [ctb], Rory Kirchner [ctb], Michael Steinbaugh [ctb]

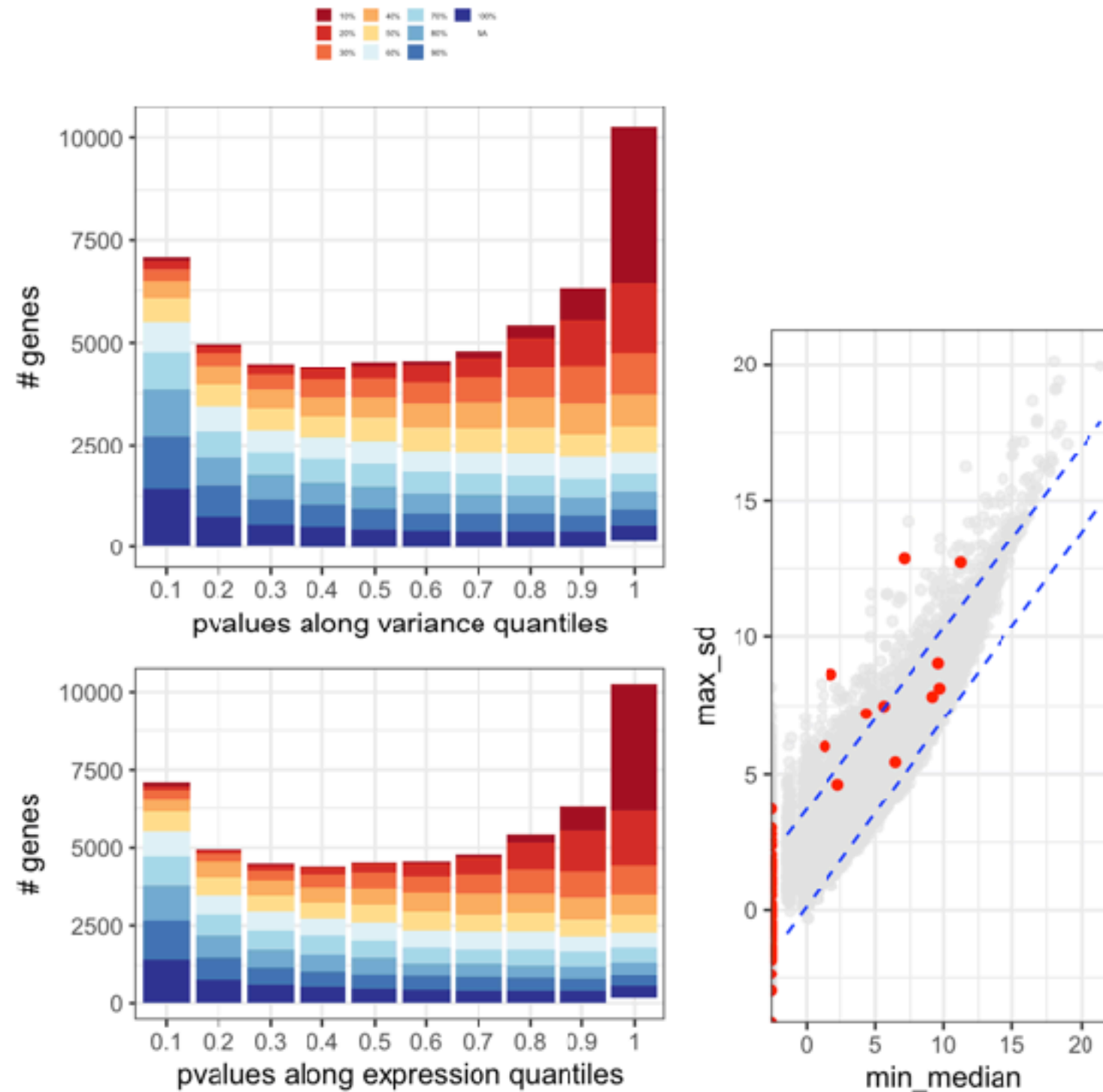
# Toolkit

- Filter count data
- Check Factor Size for normalization
- bunch of plots: gene plots, volcano plots, MA plots  
...
- QC plots: Correlation with covariates, intra-covariates correlation, significant genes properties...

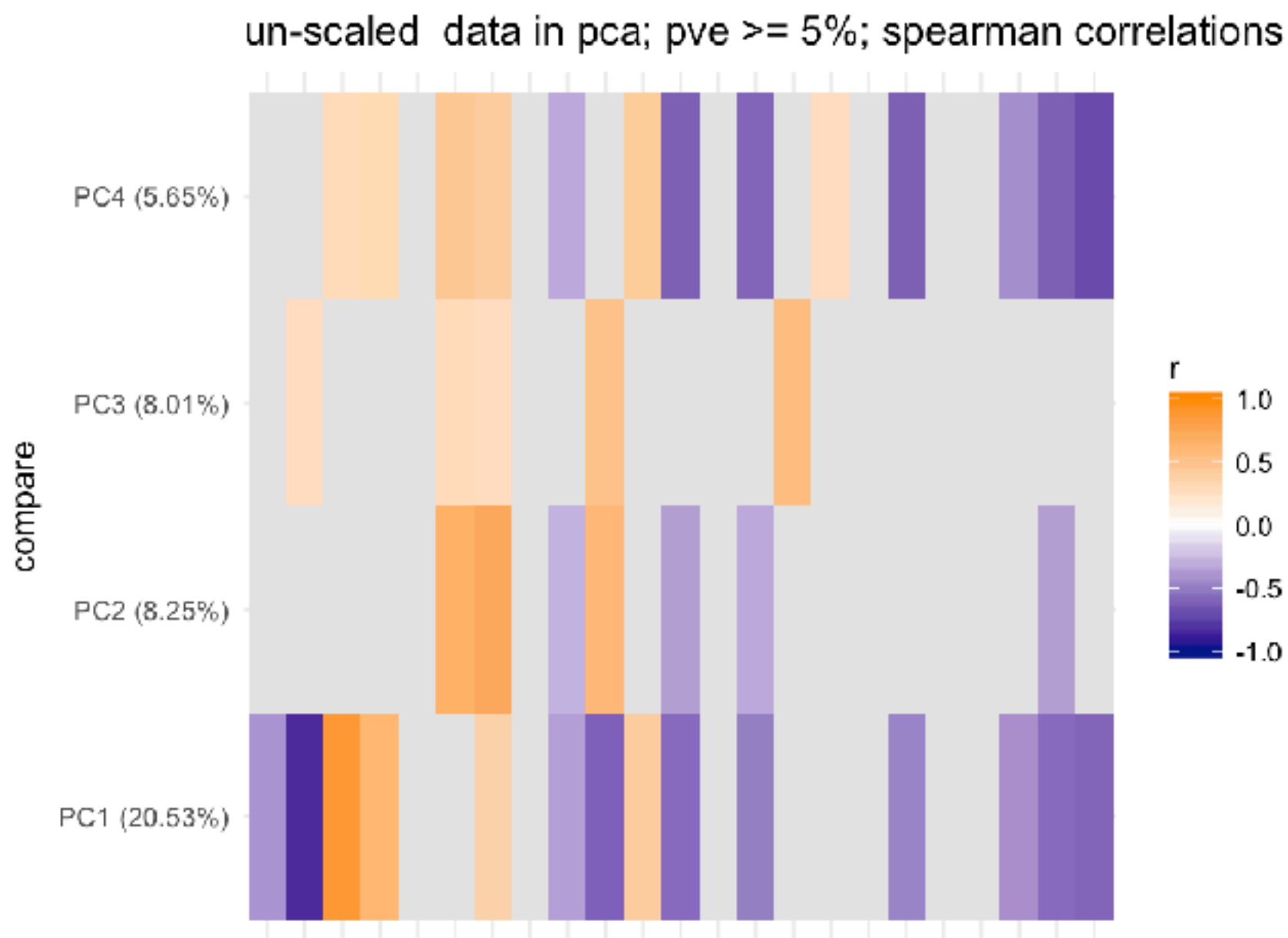
# Average expression of significant genes



# Pvalues expression/variance bias



# PCA correlation with covariates



# Covariates correlation

