

*Using Robust Statistics for Small Sample Sizes to Identify Differentially Expressed Genes*

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To find differentially expressed genes between e.g. two types of tissue, an appropriate measure/statistic is needed. We show that the difference of group means is a much better measure when dealing with less than 6-8 replicates than the often used t-statistic. A method for comparing different methods, e.g. different statistics or normalization methods is also presented.