

Gene Expression Network Toolkit (GENT)

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Installation

GENT can be installed using the following commands. This section will be updated after CRAN submission.

```
#Install devtools to allow installation from GitHub
if (!require("devtools")) install.packages("devtools")

#Install GENT from GitHub repository.
devtools::install_github("SAFE-ICU/GeneExpressionNetworkToolkit",dependencies = TRUE)

#Load the package.
library(GeneExpressionNetworkToolkit)
```

Introduction

Data Aggregation

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Example Data

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Custom Manipulation

Examination of Differentially Expressed Genes

References

- 1. Olejnik, J., Forero, A., Deflubé, L. R., Hume, A. J., Manhart, W. A., Nishida, A., . . . Mühlberger, E. (2017). "Ebolaviruses Associated with Differential Pathogenicity Induce Distinct Host Responses in Human Macrophages." *Journal of Virology*, 91(11), e00179-17.
- 2. Love, M. I., Huber, W., & Anders, S. (2014). Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2. *Genome Biology*, 15(12).