Regutools: an R package for data extraction from RegulonDB

Jose Alquicira, Carmina Barberena, Heladia Salgado, Emiliano Sotelo

16 de mayo de 2017

Introduction

- There is no tool implemented in a data analysis-oriented language to make data retrieval from RegulonDB easy and automatic.
- Here, we present Regutools, an R package that facilitates data extraction from RegulonDB.

Exploring the database

```r
library(regutools)
```

```
## Loading required package: RSQLite
```

```
## Loading required package: httr
```

```
## Loading required package: XML
```

```r
ListDatasets()
```

```
## [1] "GENE"              "NETWORK"              "OPERON"
## [4] "REGULONDB_OBJECTS" "TF"                   "TU"
```