

rTRMui: a shiny user interface for the identification of transcriptional regulatory modules

Diego Diez

October 13, 2015

1 Introduction

To install rTRMui you need to have installed rTRM and shiny. To use rTRMui load the library and then just run `runTRM()` from the R prompt:

```
> library(rTRMui)
> runTRM()
```

This will open a web browser and show the rTRMui home page (Figure 1). Instructions on how to use rTRMui are available in the *Help* tab from the rTRMui server. Example datasets can be downloaded from the home page and used with the *Tutorial*.

2 System information

```
> sessionInfo()
```

```
R version 3.2.2 Patched (2015-08-16 r69094)
Platform: x86_64-w64-mingw32/x64 (64-bit)
Running under: Windows Server 2012 R2 x64 (build 9600)
```

```
locale:
```

```
[1] LC_COLLATE=C
[2] LC_CTYPE=English_United States.1252
[3] LC_MONETARY=English_United States.1252
[4] LC_NUMERIC=C
[5] LC_TIME=English_United States.1252
```

```
attached base packages:
```

```
[1] stats      graphics  grDevices  utils      datasets  methods   base
```

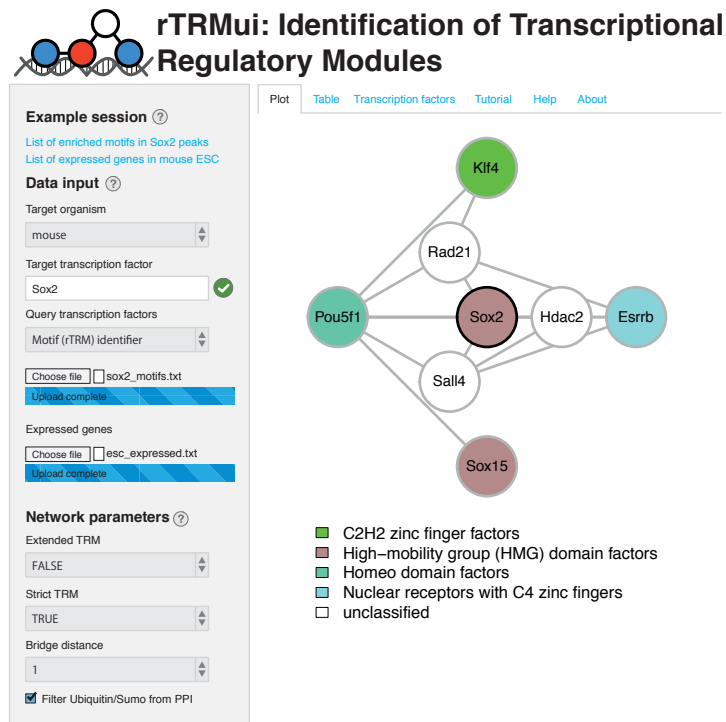


Figure 1: rTRMui home page showing the TRM indentified using the sample datasets from the tutorial.

other attached packages:

```
[1] rTRMui_1.8.0  RSQLite_1.0.0 DBI_0.3.1
```

loaded via a namespace (and not attached):

```
[1] Rcpp_0.12.1          futile.logger_1.4.1
[3] GenomeInfoDb_1.6.0   XVector_0.10.0
[5] MotifDb_1.12.0       bitops_1.0-6
[7] futile.options_1.0.0 tools_3.2.2
[9] zlibbioc_1.16.0      digest_0.6.8
[11] igraph_1.0.1         shiny_0.12.2
[13] parallel_3.2.2       rtracklayer_1.30.0
[15] org.Mm.eg.db_3.2.3   Biobase_2.30.0
[17] S4Vectors_0.8.0      IRanges_2.4.0
[19] stats4_3.2.2         Biobase_2.30.0
[21] R6_2.1.1             AnnotationDbi_1.32.0
[23] XML_3.98-1.3         BiocParallel_1.4.0
[25] lambda.r_1.1.7       org.Hs.eg.db_3.2.3
[27] magrittr_1.5         Rsamtools_1.22.0
```

[29]	htmltools_0.2.6	BiocGenerics_0.16.0
[31]	GenomicRanges_1.22.0	GenomicAlignments_1.6.0
[33]	SummarizedExperiment_1.0.0	mime_0.4
[35]	xtable_1.7-4	httpuv_1.3.3
[37]	RCurl_1.95-4.7	rTRM_1.8.0