

Update 03.05.2018

mingleRNA

# Work in progress – data sources

- Parsing & Analyze: miRBase, deepBase, noncode, LNCpedia
- New source: GENCODE
  - HUMAN: 15779 Long non-coding RNA genes  
1881 miRNA genes
  - MOUSE: 12533 Long non-coding RNA genes  
2202 miRNA genes



GENCODE

Data

Stats

# Work in progress – gene expression

- add Data set:

**E-GEOD-69637 - RNA-seq identifies novel lncRNAs involved in vascular smooth muscle cell proliferation**

Raw data -> ENA

- Diff expression workflow:
  - FPKM data (GEO + TCGA)
  - limma or edgeR
  - Statistics – Top diff expr genes
  - Convert data for our storage model

# Work in progress – website – how will look

[mingleRNA](#) [Home](#) [Project](#)

Explore interactions for:

RNA element

lncRNA ▼

Organism

Human ▼

Submit

Launch example

