What is biclustering?

Biclustering in big biological data analysis

Tools

- QUBIC1.0
  - (2009)
  - C code
  - Works on Linux platform

- QServer
  - (2011)
  - Webserver
  - Biclustering + motif finding + function analysis

- QUBICR
  - (2016)
  - R package
  - QUBIC: a Bioconductor package for qualitative biclustering analysis of co-expression data

Algorithms

- Qualitative representation + graph theory model
- RNA-seq qualitative representation
- Query-based biclustering

Applications

- Tools
- Algorithms

Regulatory network

Cancer subtypes bio-markers

Functional annotation

Integration of Mutations

Metagenome analysis

Leukemia Microarray

Evolutionary inference

More applications:
- Single cell data analysis, etc.