

Bioinformatic analysis of nutrigenomics data of plant food bioactives extracted from in vitro and in vivo studies

STSM Report

General information

- STSM Grantee
- Dr. Tatjana Ruskovska
 - Goce Delcev University, Stip
 - Faculty of Medical Sciences
 - Republic of Macedonia

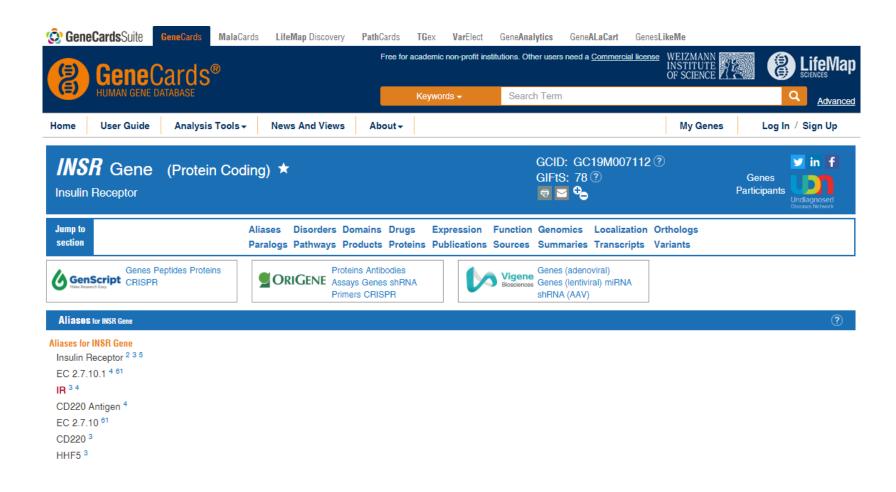




- STSM Host
- Dr. Dragan Milenkovic
 - INRA
 - Centre de Clermont-Ferrand/Theix
 Unité de Nutrition Humaine
 - France

Duration of the STSM: two weeks.

Gene symbols



Pathways analysis



Transcriptomics

Upload gene expression data and perform enrichment analysis based on gene sets derived from popular databases like GO, KEGG and Reactome.

Start analysis



Upload protein data and perform analysis.

Start analysis



miRNomics

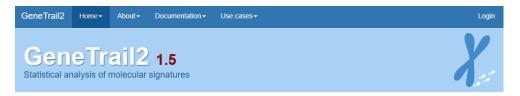
Upload miRNA data and perform enrichment analysis based on enrichment analysis based on databases and perform a gene variants. set analysis.



Genomics

Upload SNP data and perform enrichment analysis based on the protein datasets like SMPDB, or miRNA categories like miRDB or popular GWAS and PheWAS map proteins to corresponding miRTarBase, or map miRNAs to catalogs. This will identify traits genes and perform a gene set gene targets from popular associated with your uploaded

Start analysis



Upload Data

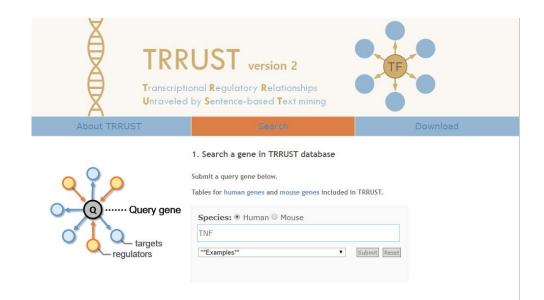
Select your data source:

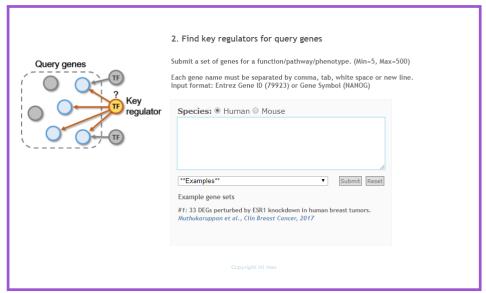
- a GSE file containing data of both, the sample and the reference group
- two GDS files for the sample and the reference group
- a text file containing a list of identifier with or without scores in a tabular format
- a list of scores in a tabular format

Your options:

- · a GSE file enter a valid GSE identifier (e.g., GSE10072). The corresponding GEO Series .soft file is then downloaded to the GeneTrail 2 server automatically. In a next step, you may specify the sample and the reference group.
- . two GDS files enter valid GDS identifiers (e.g., GDS2161 and GDS2162) for the sample and reference group, respectively. The corresponding GEO Data Set .soft files are then downloaded to the GeneTrail 2 server automatically.
- · a text file upload a plain text file containing identifier with or without pre-computed scores. The values have to be whitespace separated. (identifier list, score list, matrix)
- · a list paste a pre-computed list of scores. The values have to be whitesnace senarated

Analysis of transcription factors





COST Action FA1403 – POSITIVe





Thank you for your attention



