GeneAPIChat Test Case-1: STRING API

Explore external websites related to genetic data and information

Your question or command:

protein interaction

Submit

User prompt: keywords like protein interaction, gene interaction, gene network, interaction network or fully formed questions with these keywords calls STRING API.

STRING API

Replicated the STRING API web interface

Query me: (one human protein or multiple space separated proteins)

TREM2 SORL1 APOC1 APOE

User enters the protein or protein names separated by space

Let's go!

Seed proteins (nodes) colored

Network:

if no interaction found, selects 10 closest neighbors

Types of evidences are highlighted in different colors

Hover on nodes (protein names) for more info

Evidence Types

- Fusion evidence
- Neighborhood evidence
- Cooccurrence evidence
- Experimental evidence
- Textmining evidence
- Database evidence
- Coexpression evidence

Explore external websites related to genetic data and information

Home
PGSChat
GeneAPIChat
LiteratureSearch

Your question or command:

enrich

Settings

User prompt: keywords like enrich, enrichment, analysis, pathway or fully formed questions with these keywords calls ENRICHR API.

Upload your gene list

Drag and drop file here
Limit 200MB per file

Upload the gene list for top 10 Alzheimer disease saved previously as csv file

Open				
« PostDocUTHH › GENEVIIC › GENEVIIC_V2 › test_results		Search test_results		
	Date modified	Type	Size	
...man	1/15/2024 4:23 AM	Microsoft Excel Com...		
enrichment_results_multiplegenesets	1/25/2024 1:45 AM	Microsoft Excel Com...	4	
enrichment_results_WikiPathways_2019_Human	1/15/2024 4:23 AM	Microsoft Excel Com...		
enrichment_top10genesAlzheimer	1/23/2024 3:37 PM	PNG File	5	
enrichmentplot	1/24/2024 11:48 PM	PNG File	8	
evaluate_pgschat_retirevedb_showtop10genesA...	1/23/2024 3:24 PM	Microsoft Excel Com...		
plottop5frequentgenesAlzheimer	1/23/2024 3:28 PM	PNG File	1	
showtop10genesAlzheimerdistinct	1/24/2024 11:39 PM	Microsoft Excel Com...		

File name: showtop10genesAlzheimerdistinct   All Files

Open   Cancel

GeneAPIChat Test Case-2: Enrichr API

Explore external websites related to genetic data and information

Your question or command:

enrich

Submit

Upload your gene list

Drag and drop file here
Limit 200MB per file

Browse files

showtop10genesAlzheimerdistinct.csv 509.0B

Choose gene set libraries

GO_Biological_P... ×   KEGG_2019_Hu... ×   WikiPathways_2... ×

Choose from the available gene set reference libraries: either one or more at a time

Enrich

Enrichment analysis results saved to test_results\enrichment_results_multiplegenesets.csv

☐ Do you want to visualize the enrichment results?

Enrichment analysis saved in local directory under root/test_results as a csv file

---

enrichment_results_multiplegenesets.csv 43.4KB

Choose type of visualization

Network Graph

Enter p-value cutoff

0.05

Visualize Enrichment