

Processed File Upload

Files processed using Tabs 1 and 2 can be uploaded for visualisation to Tab 3: Processed File Upload.

Alternatively, users can process their own data as long as they format it correctly. Files must be csv format with column headings of taxonomy and function.

The accepted taxonomic column headings are:

- Superkingdom
- Kingdom
- Phylum
- Class
- Order
- Family
- Genus
- Species

The accepted functional column headings are:

- COG_Category
- COG_Name

Note the former is the more general class in the hierarchy.

Ensure spelling and capitalisation is correct.

Go to Tab 4 Processed File Upload.

Chordomics1. Metagenomics/Metatranscriptomics Data Processing2. Metaproteomics Data Processing3. Processed File Upload4. Chord Plot

Welcome to Chordomics!

Chordomics is a tool for visualising the link between taxonomy and function in meta-omics data. We also provide a pipeline for correct file formatting.

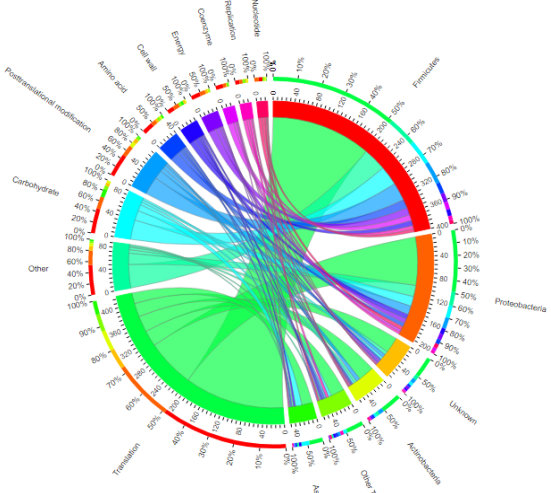
For more information visit us on [GitHub](#).

Please navigate to the required tab:

- 1. Metagenomics/Metatranscriptomics Data Processing**

Here the user can annotate their MetaProteomeAnalyzer datasets with COG ID's using the UniProt API. The processed files can then be uploaded into Tab 3 for analysis.
- 2. Metaproteomics Data Processing**

Here the user can annotate their processed files with COG ID's using the UniProt API. The processed files can then be uploaded into Tab 3 for analysis.
- 3. Processed File Upload**
- 4. Chord Plot**



Upload your processed files from Tabs 1 and 2 to Chordomics via the side bar panel.

Chordomics1. Metagenomics/Metatranscriptomics Data Processing2. Metaproteomics Data Processing3. Processed File Upload4. Chord Plot

Upload CSVs here

Browse... No file selected

Processed File Upload

Upload your processed datasets using the panel on the left.

Datasets can be the output of the previous two processing tabs (1 and 2) or data formatted in the same way.

Ensure the file types are csv format and contain headings of taxonomic rank (Superkingdom, Kingdom, Phylum, Class, Order, Family, Genus and/or Species) and function (COG_Category and/or COG_Name). All other headings are ignored.

See example table below.

Example data format

Superkingdom	Kingdom	Phylum	Class	Order	Family	Genus	Species	COG_Name	COG_Category
Bacteria	Unknown	Proteobacteria	Gamma proteobacteria	Enterobacteriales	Enterobacteriaceae	Unknown	Unknown	Membrane protein YnfC, possibly involved in tellurium resistance	Inorganic ion transport and metabolism
Bacteria	Unknown	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	Lactobacillus helveticus	Beta-galactosidase/beta-glucuronidase	Carbohydrate transport and metabolism
Bacteria	Unknown	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	Lactobacillus brevis	Ribosomal protein L3	Translation, ribosomal structure and biogenesis
Bacteria	Unknown	Firmicutes	Bacilli	Lactobacillales	Unknown	Unknown	Unknown	Uncharacterized protein YnfC, UPF0317 family	Function unknown
Bacteria	Unknown	Proteobacteria	Gamma proteobacteria	Unknown	Unknown	Unknown	Unknown	Ribosomal protein S6	Translation, ribosomal structure and biogenesis
Bacteria	Unknown	Proteobacteria	Gamma proteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Escherichia coli	Preprotein translocase subunit SecE	Intracellular trafficking, secretion, and vesicular transport
Bacteria	Unknown	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	Lactobacillus acidophilus	3-hydroxyacyl-CoA dehydrogenase	Lipid transport and metabolism

Proceed to Tab 4 Chord Plot to view your data.