PROPHNET WEB TOOL USER GUIDE

ProphNet web tool allows users to perform prioritizations of genes-diseases-proteins domains. The tool has been designed to be easy to use. ProphNet does not require any registration or identification for use. When we enter prophnet we see the following screen.

We can see three different parts in the interface. The action bar [1] allows direct access to a number of interesting additional information about ProphNet and Matlab source code. The prioritization settings [2] area is the space where the user sets the parameters of prioritization to be performed. Finally, the workspace [3], which initially only contains information about ProphNet, is the area where the user will see the results of the prioritization.

Users interact with the tool using prioritization settings area. This area can be seen in more detail in the following figure.

This area contains multiple elements. The first one, is a help text [1]. This text explains what type of input is expected. The user can also load some examples clicking on the links. To configure a prioritization the user first have to specify a query or input type [2] and a target or output type [3]. With the configuration of the figure, the user would introduce genes identifiers and would obtain a list of ranked diseases. The input list [4] is the component where the user introduces the list of identifiers of the elements for the query. Each element must be introduced in a new line. To help users to input correct names, an auto-complete component is available [5]. Based on user input, this component will suggest matching names. For details on what types of identifiers are supported, the user can press the button with the exclamation mark. Finally, some action buttons [6] are provided. After entering prioritization settings the user must press the Prioritize button. While performing prioritization the following dialog will be displayed.
Prioritization can take several minutes depending on the server load. After this wait, results are shown as the following figure.

We can see different parts in the results area. The ranked table [1] is the essential part. This table shows the rank, the name or identifier and the assigned score to each element. Names can be clicked for more details about each entry. The elements in the red bar [2] are those that have been excluded from the query due to not being in ProphNet database. Finally, blue bar [3] lets users download results as Excel files.