M3db: Help Me

1. Prerequisite

Web Browser with Adobe Flashplayer Plugin

2. Browse Page

This page helps user to extract the information on the pathway meta-analysis of metastatic melanoma for the two stages, Cutaneous Metastasis and Lymph Node, in a tabular form.

Using Advanced Options, user can search for either processed or the raw data, define the threshold value for R-Score, Density, Clustering Coefficient and the Gene Count. Also the information can be searched for user defined pathway or gene list.

The output table shows the information about the Pathway Name, Number of connected pathways, Gene Count, and the corresponding R Score. More pathway information can be viewed using the toggle button.

The user can view the connectivity between the pathways in a network by clicking the corresponding number. Similarly, the connectivity between the genes can also be viewed by clicking the corresponding count.

The browsed table can also be downloaded in CSV format.

3. Signaling pathway

Details of Signaling pathways can be search for each stage using this tab.

The output table shows the same information as the browse page except that some pathways shown in this table are flagged, which means that these pathways are found in both the stages.

This table can also be downloaded in CSV format.

4. Drug Description

This page displays the relation between the drugs and the genes for the two stages.

For the stage of cancer the user can retrieve information of a drug targets what number of genes (Drug to Genes) or a particular gene is targeted by how many drugs (Gene to drugs).

The list can be viewed by mouse over on the corresponding count.

5. Gene to Pathways

This section gives information of how many pathways are linked to a particular gene.

6. Dataset

The complete datasets can be downloaded from this page.