

Search Result

Gene families that match your query are returned in the order of relevance. For each family, the following information is displayed:

- Family name [PANTHER gene family ID]
Click on the family name and you will be directed to the gene family detail page.

Matched field

Indicates which data field(s) of the gene family has matched your query.



Hint:
if you are interested in a particular gene and your query with the gene symbol returned several families, the one that has a matched field of Gene Symbol would be your top choice to explore.

- Number of genes in the family

You can apply filters to refine the search results.

- **Taxonomic Range**

The taxonomic range of a gene family indicates the most recent common ancestor (MRCA) of all members in that family. The numbers next to each taxonomic range indicate how many gene families from the search results have that MRCA. Checking the check box in front of a taxonomic range will refine the search results to families that have that particular MRCA. For example, checking "Magnoliophyta" will narrow down the returned families to those that are Magnoliophyta-specific.

Note, in rare cases a horizontal gene transfer event may be present in a gene family. In such a gene family, those genes and their organisms of origin that were introduced to the gene family via horizontal transfer were NOT included in deriving the taxonomic range of the gene family.

- **Organisms Included**

The number next to each organism indicates how many gene families from the search results have at least one member from that specific organism. Checking the check box in front of an organism will narrow down the search results to families that have at least one member from the selected organism.

The logical operation for multiple selections of the filters is 'AND'. For example, checking *Arabidopsis thaliana* and *Zea mays* from the Organism Included filter will narrow the results to gene families that have *Arabidopsis* genes as well as corn genes, but are NOT limited to only *Arabidopsis* and corn genes.