

Gene family detail page

There are two main blocks on a gene family detail page, the tree graph and the data panel. Each leaf node on a tree graph represents a gene. Each row of a data panel has information about a gene. The corresponding genes in the tree graph and in the data panel are aligned with each other. The meta data band at the top displays Family name (PANTHER ID), number of genes, number of organisms, and the taxonomic range of the family. Clicking on the "number of organisms" will show, in a popup, the following information: organisms included in the family, and for each organism the number of genes in the family. Pan the tree graph to move it around and use the vertical and horizontal scroll bars in the data panel to see more.

[more about tree graph...](#)

[more about data panel...](#)

PHILO GENES

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search by UniProt ID, gene ID, gene symbol or keyword

PHOSPHATE TRANSPORTER (PTHR11101), 84 genes, 37 organisms, spanning LUCA

Expand All

Search within tree

Gene name, Gene ID, Un

Q

Hide Legend

LEGEND

● Speciation Node

● Duplication Node

● Horizontal Transfer

◆ Subfamily Node

◀ Collapsed Node

Click node to collapse or expand.
Drag tree to move around.

SLC20A1 (human)

Slc20a1 (mouse)

Slc20a1 (rat)

slc20a1a (zebrafish)

slc20a1b (zebrafish)

SLC20A2 (human)

Slc20a2 (mouse)

Slc20a2 (rat)

slc20a2 (zebrafish)

pitr-4 (C. elegans)

pitr-6 (C. elegans)

pitr-5 (C. elegans)

pitr-2 (C. elegans)

pitr-3 (C. elegans)

pitr-1 (C. elegans)

NaPi-III (fruit fly)

PHO89 (budding yeast)

Gene name	Organism	Known Function	
		high-affinity inorgani...	sodium-depend
Slc20a1	Mus musculus		
Slc20a1	Rattus norvegicus	●	
slc20a1a	Danio rerio		
slc20a1b	Danio rerio		
SLC20A2	Homo sapiens		
Slc20a2	Mus musculus		
Slc20a2	Rattus norvegicus		
slc20a2	Danio rerio		
pitr-4	Caenorhabditis elegans		
pitr-6	Caenorhabditis elegans		
pitr-5	Caenorhabditis elegans		
pitr-2	Caenorhabditis elegans		
pitr-3	Caenorhabditis elegans		
pitr-1	Caenorhabditis elegans		
NaPi-III	Drosophila melanogaster		●
PHO89	Saccharomyces cerevisiae		

tree graph

data panel