



**Additional File 4. Phylogenetic tree of PPT enzymes in yeast, worms, fruit flies and humans.** The complete sequences of the known PPT family enzymes in *S. cerevisiae* (red), *C. elegans* (blue), *D. melanogaster* (green) and *H. sapiens* (brown) were subjected to phylogenetic analysis. The resulting tree was rendered and coloured using Interactive Tree of Life [66].