PhyloXML

A gene family tree can be downloaded in PhyloXML format. The following information is included:

For a leaf node (a gene):

- branch length
- name (gene_id)
- taxonomy scientific_name
- sequence accession (UniProt ID)

For a non-leaf node:

- branch length
- events (duplication or speciation)

Example:

```
<phyloxml>

 PANTHER family name

<description>PTHR10556</description>

 PANTHER family id

    <clade>
        <branch_length>0.83</branch_length>
        <events>
            <duplications>1</duplications>
        </events>
        <clade>
            <branch_length>1.24499999999999999/branch_length>
            <events>
                <speciations>1</speciations>
            </events>
            <clade>
                <branch_length>0.187</branch_length>
               <events>
                   <speciations>1</speciations>
                </events>
                <clade>
                   <branch_length>0.162</branch_length>
                   <events>
                       <duplications>1</duplications>
                                                        gene id
                   </events>
                   <clade>
                       <name>AMTR_s00004p00149160</name>
                       <branch_length>2</branch_length>
                       <taxonomy>
                                                                                        a leaf node
                           <scientific_name>Amborella trichopoda</scientific_name>
                       </taxonomy>
                       <sequence>
                           <accession source="UniProtKB">W1NET2</accession>
                       </sequence>
                   </clade>
                                                                      UniProt id
```