

Actinobacteria EvoMining Results

Actinobacteria is an ancient phylum {Referencia de luis}

Tables

Table 1: Correlation of Inheritance Factors for Parents and Child

Factors	Correlation between Parents & Child
GenomeDB	1245
Families	65

Central pathway expansions

Heat plot of central pathways expansions, Needs to be phylogenetically sorted.

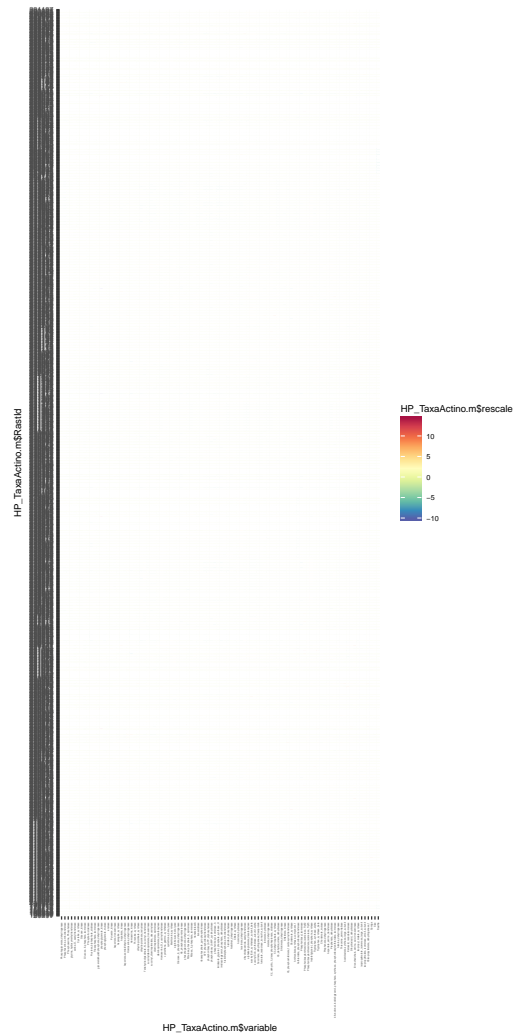


Figure 1: Actinobacterial Heatplot

Here is a reference to the HeatPlot: Figure 1.

```
label(path = "chapter4/expansion_plotActinos.pdf", caption = "Expansions Boxplot",label = "Actino_expansion")
```



3

Genome Size correlations

Correlation between genome size and AntiSMASH products

Selected trees from EvoMining

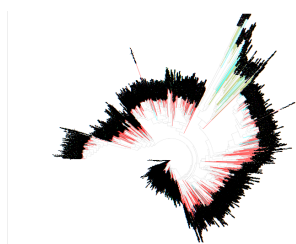


Figure 3: Enolase EvoMiningtree

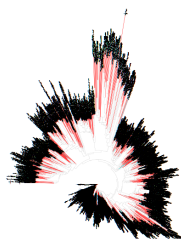


Figure 4: Phosphoribosyl isomerase EvoMiningtree

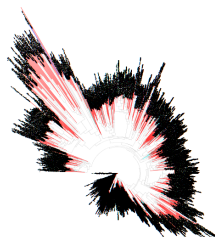


Figure 5: Phosphoribosyl isomerase A EvoMiningtree

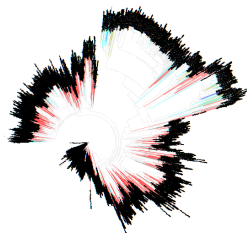


Figure 6: phosphoshikimate carboxyvinyltransferase EvoMiningtree