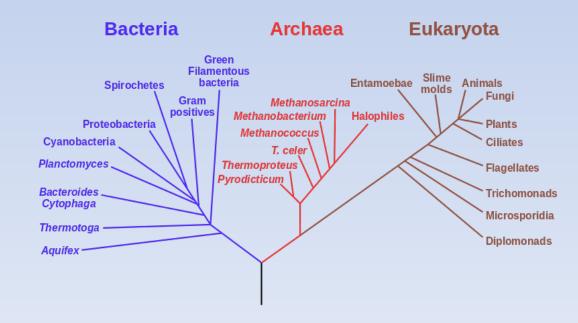
# Module I

*Leishmania* parasite Diagnosis, molecular identification and drugs screening

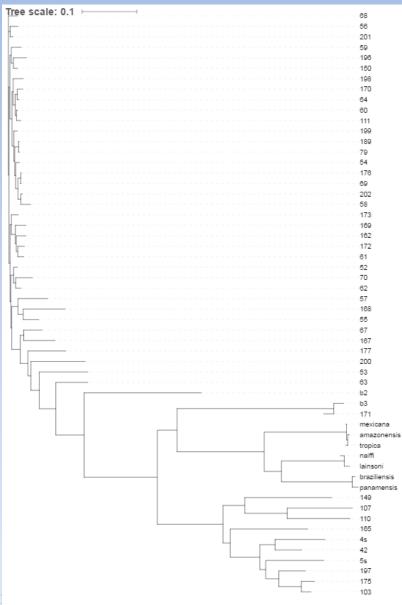
## **Phlyogenetic Tree**

A phylogenetic tree or evolutionary tree is a branching diagram or "tree" showing the inferred evolutionary relationships among various biological species based upon similarities and differences in their physical or genetic characteristics.

### **Phylogenetic Tree of Life**



## Phylogenetic Tree Based on *Leishmania* ITS1 Sequences



#### Clustal Omega iTOI

31/07/20

# Phylogenetic Tree Based on *Leishmania* Cytochrome B. Sequences

Tree s <u>cale: 0.001 ⊢⊣</u>	AB095961major
	AB434674arabica
	AB434675turanica
	AB095962aethiopica
	EF579904tropica
	HQ908257
	AB095959chagasi
	AB725910donovani
	HQ908261
	AB095958infantum
	HQ908262
	EF579906mexicana
	EF579902amazonensis
	HQ908258
	AB434683enriettii
	AB433280lainsoni
	AB433279naiffi
	AB433281shawi
	AB095967braziliensis
	AB433282peruviana