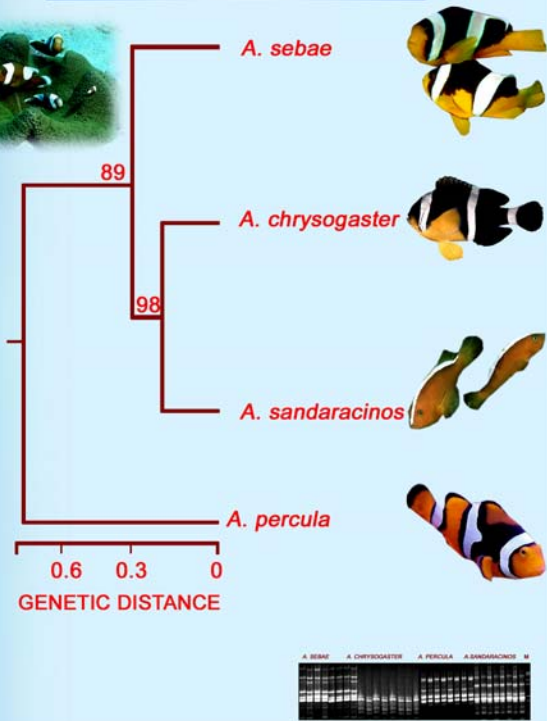
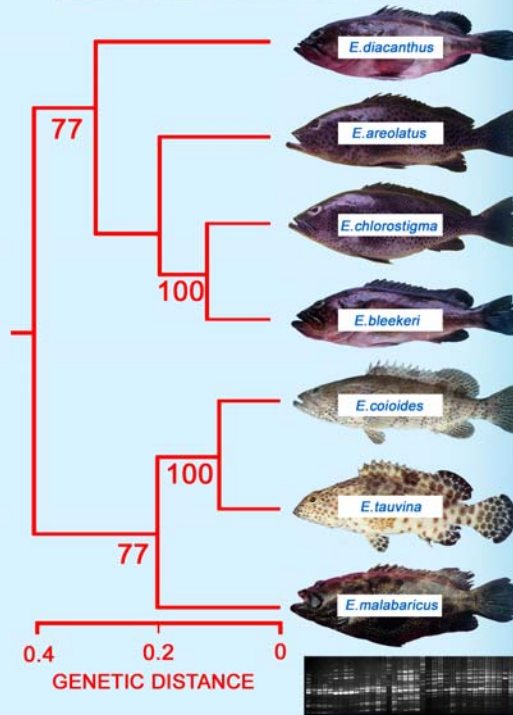


# Molecular Taxonomy

## CLOWN FISH



## GROUPEr

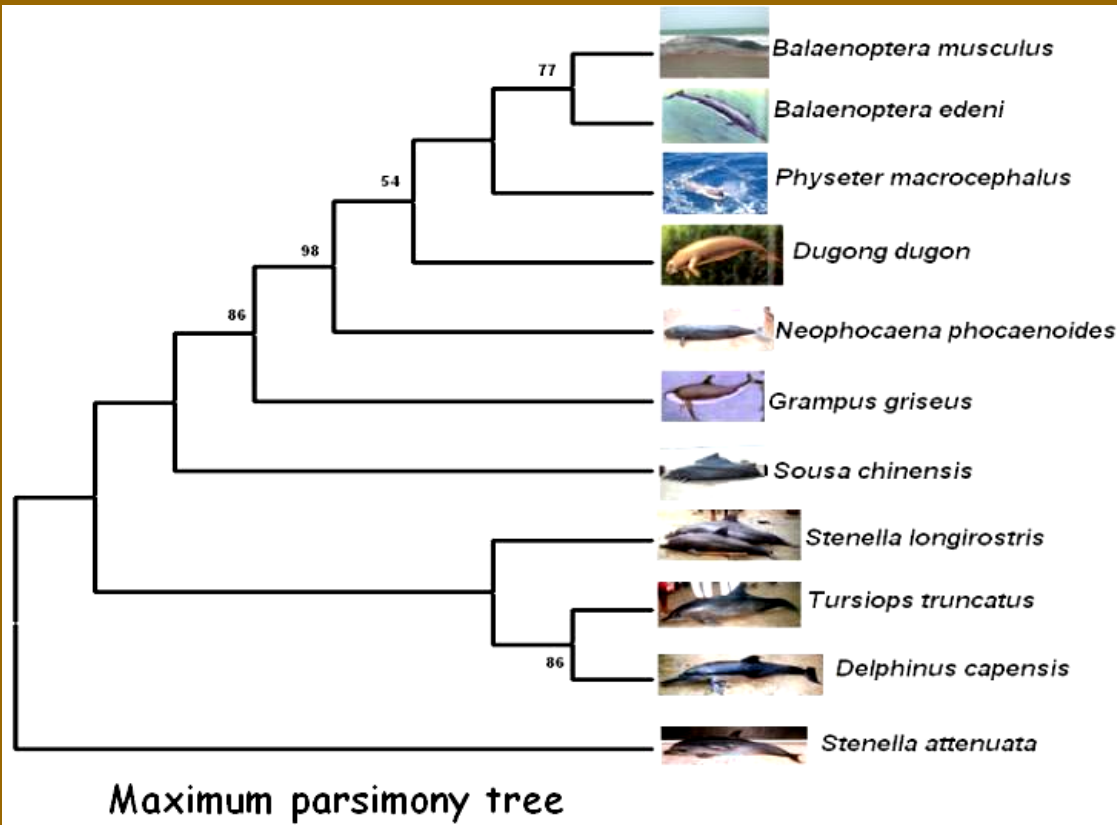


## INDIAN MACKEREL



- Ratified taxonomic status of the domesticated clown fish, *Amphiprion sebae* using RAPD
- Revealed phylogenetic relationship of four species of clown fishes and seven species of groupers (*Epinephelus*) using RAPD
- Revealed genetic homogeneity of Indian mackerel populations from the peninsular India using a multi-technique approach

# Molecular taxonomy & PCR-based gender identification of marine mammals



- Developed the capability to accurately identify dolphins, porpoise, whales & dugong from skin tissues based on phylogenetic reconstruction of mt DNA sequences.

- Standardized the molecular identification of sex based on a duplex PCR of DNA extracted from skin tissue

