

q8 (Naimeesh)

Phylogeny of data involves genome sequences, proteins sequences.

Phylogeny of species is making predictions concerning the tree of life

Gene duplication events create tandem copies of genes.

The two copies may evolve along separate pathways leading to different functions

Homoplasy is usually found for some characters for any tree.

CI- consistency index- minimum possible tree length divided by actual tree length the more the homoplasy the greater the tree length and the smaller the value of CI.

Horizontal Transfer of Genes

Distance methods are used

Uses number of changes between pairs of sequences in a group to construct a tree.