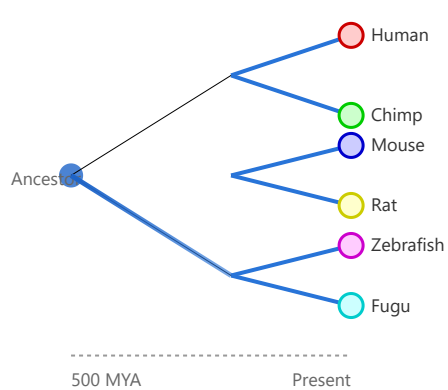


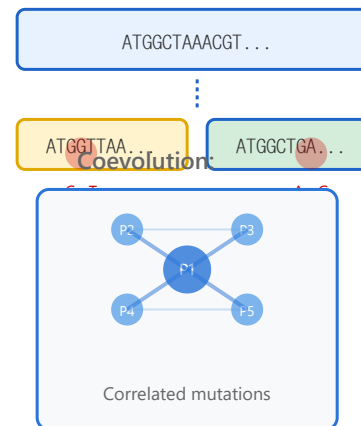
Evolution Modeling

Phylogenetic Analysis & Evolution

Phylogenetic Tree:



Sequence Evolution:



Fitness Landscape



Sequence evolution

Substitution models & rates

Phylogenetic inference

Tree reconstruction methods

Ancestral reconstruction

Ancient sequence prediction

Coevolution

Correlated mutations analysis

Fitness landscapes

Adaptive evolution mapping