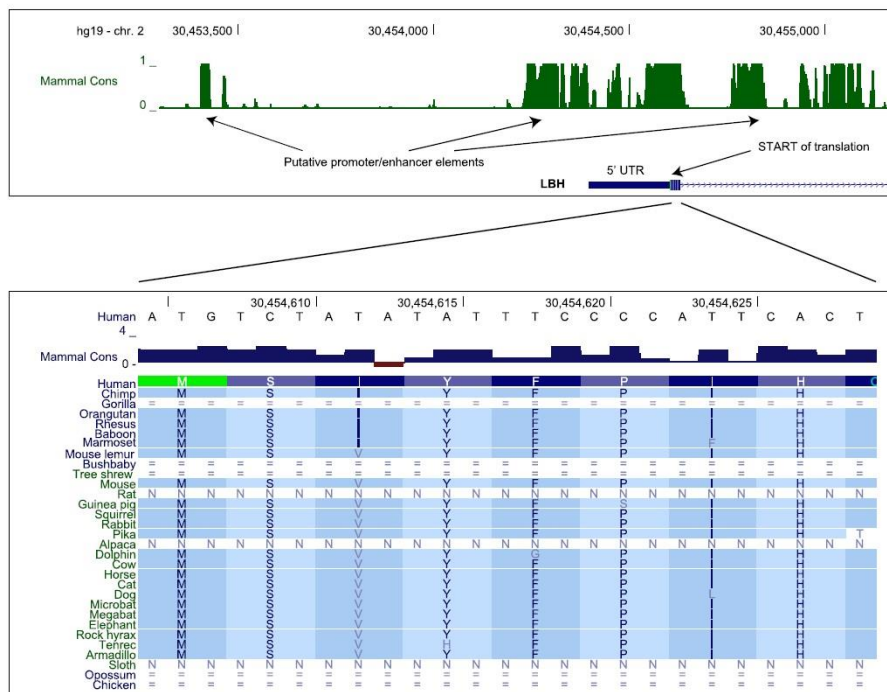


Mitochondrial Comparative Genomics

The comparison between genomes has led to some amazing biological discoveries. If a particular mtDNA sequence or mtDNA motif appears in all species on a branch of an evolutionary tree, the sequence is said to be conservative among these species. The evolutionary conservatism of a certain mtDNA sequence suggests that the species with these sequences have corresponding advantages of natural selection. At the same time, it also suggests that it has an important function, which may be a protein-coding sequence or regulatory region.

Mitochondrial comparative genomics refers to comparing the structure of known mitochondrial genes and genes based on mitochondrial genome map and sequence analysis to understand the function, expression regulation mechanism, and evolution process of mitochondrial genes.



[Creative Biogene](#) has the most integrated mitochondrial service platform, and a team of experienced experts is committed to providing customized mitochondrial comparative genomics research solutions to customers around the world.