ORTHOLOGY

Meaning: Orthology refers to the relationship between genes in different species that originated from a common ancestor and retain similar functions.

1. Orthology is a key concept in evolutionary biology that helps scientists understand gene function across different species.

2. The researchers focused on identifying orthology relationships to trace the evolutionary history of the gene family.

3. By studying orthology, biologists can make predictions about the behavior of genes in various organisms.

4. The software tool was designed to analyze genomic data and identify orthology among diverse species.

5. Understanding orthology is essential for annotating genomes and deciphering the genetic basis of diseases.

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