

Phylogenetics And Biogeography Of The Broad Nosed Bats Genus Platyrrhinus Chiroptera Phyllostomidae

[#Platyrrhinus phylogenetics](#) [#broad-nosed bat biogeography](#) [#Chiroptera evolutionary history](#) [#Phyllostomidae distribution](#) [#bat species diversification](#)

This research explores the phylogenetics and biogeography of broad-nosed bats within the genus *Platyrrhinus*, a fascinating group of Chiroptera belonging to the Phyllostomidae family. It investigates their evolutionary relationships and geographical distribution patterns, providing crucial insights into how these bat species have diversified and spread across different regions over time.

All research content is formatted for clarity, reference, and citation.

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Phylogenetics And Biogeography Of The Broad Nosed Bats Genus *Platyrrhinus* Chiroptera Phyllostomidae

The New World leaf-nosed bats (Phyllostomidae) are bats found from southern North America to South America, specifically from the Southwest United States... 35 KB (3,634 words) - 16:19, 21 January 2024

(2008). Phylogenetics and biogeography of the broad-nosed bats, genus *Platyrrhinus* (Chiroptera: Phyllostomidae). *Molecular Phylogenetics and Evolution*... 6 KB (690 words) - 09:30, 15 July 2023
angustirostris) *Platyrrhinus aquilus* Eldorado broad-nosed bat (*Platyrrhinus aurarius*) Short-headed broad-nosed bat (*Platyrrhinus brachycephalus*) Choco broad-nosed bat... 136 KB (13,118 words) - 11:00, 12 February 2024

(2008). "Phylogenetics and biogeography of the broad-nosed bats, genus *Platyrrhinus* (Chiroptera: Phyllostomidae)". *Molecular Phylogenetics and Evolution*... 5 KB (473 words) - 18:46, 14 August 2023
Eldorado broad-nosed bat, *Platyrrhinus aurarius* LC Short-headed broad-nosed bat, *Platyrrhinus brachycephalus* LC Choco broad-nosed bat, *Platyrrhinus chocoensis*... 157 KB (12,686 words) - 13:08, 26 February 2024

Genetically Defined Species: Analysis of the Diversification of the Small Fruit-Eating Bats, *Dermanura* (Phyllostomidae: Stenodermatinae)". *Acta Chiropterologica*... 6 KB (656 words) - 12:02, 29 March 2023

The Jamaican fig-eating bat (*Ariteus flavescens*) is a species of bat in the family Phyllostomidae. It is the only living species in the genus *Ariteus*... 10 KB (1,366 words) - 23:45, 14 February 2024

The following is the list of mammals which have been taxonomically described in the 21st century. List of mammals described in the 2000s... 259 KB (23 words) - 15:38, 28 January 2024

Clint Explains Phylogenetics - There are a million wrong ways to read a phylogenetic tree - Clint Explains Phylogenetics - There are a million wrong ways to read a phylogenetic tree by Clint Explains

106,942 views 3 years ago 7 minutes, 45 seconds - Phylogenetic, trees are extremely informative and valuable models that most people, even graduate students studying ...

Cladistics Part 1: Constructing Cladograms - Cladistics Part 1: Constructing Cladograms by Professor Dave Explains 173,278 views 2 years ago 10 minutes, 12 seconds - Before we dive into learning about all the different kinds of animals, we have a little bit of work to do. How do we describe the ...

Phylogenetics - Phylogenetics by Bozeman Science 421,329 views 12 years ago 12 minutes, 45 seconds - 006 - **Phylogenetics**, Paul Andersen discusses the specifics of **phylogenetics**,. The evolutionary relationships of organisms are ...

Morphological

Phylogenetic Tree of Life

The Function of the Heart

Three Chambered Heart

Mixing of the Oxygenated and Deoxygenated Blood

A Three Chambered Heart

Molecular Data

Synapomorphies

Monophyletic Groups

Phylogeny and the Tree of Life - Phylogeny and the Tree of Life by Professor Dave Explains 195,744 views 6 years ago 11 minutes, 38 seconds - Alright, we've learned about how unicellular organisms came to be, how they became multicellular, and then from those how ...

How do we keep track of all these species?

The Tree of Life

biological populations become distinct species by speciation

The Origin of Life - Four Billion Years Ago

unicellular life

Today Paleozoic Era Mesozoic Era Cenozoic Era

PROFESSOR DAVE EXPLAINS

Phylogenetic Mysteries: Crash Course Zoology #12 - Phylogenetic Mysteries: Crash Course Zoology #12 by CrashCourse 64,780 views 2 years ago 12 minutes, 33 seconds - In today's episode of Crash Course Zoology we're going to solve some **phylogenetic**, mysteries! There are so many more ...

Phylogenetic Tree Basics - Phylogenetic Tree Basics by Pilar Rodriguez 38,765 views 3 years ago 3 minutes, 34 seconds - Okay so this is a **phylogenetic**, tree you may see **phylogenetic**, trees this way where it's kind of a diagonal tree you might also see ...

How do you read Evolutionary Trees? - How do you read Evolutionary Trees? by YouTooBio 77,080 views 3 years ago 7 minutes, 36 seconds - Did a doctor spitefully infect his ex-girlfriend with HIV? This video describes the first time an Evolutionary Tree* was used in a ...

Introduction

Example of using evolutionary tree in court case

Trees depict organismal relationships

How to read evolutionary trees

Count the steps?

See which organisms are closest to each other?

Compare the Most Recent Common Ancestors?

Example of using evolutionary tree in court case conclusions

How To Analyze Phylogenetic Trees | Interpret Bootstrap Values and Sequence Divergence >How<->

To Analyze Phylogenetic Trees | Interpret Bootstrap Values and Sequence Divergence >How<->

Made Easy 52,932 views 2 years ago 18 minutes - Simple Guide on How to Build and Interpret **Phylogenetic**, Trees #Cladogram #Bootstrap_Values #Sequence_Divergence ...

PART 2. PHYLOGENETIC ANALYSIS

MOLECULAR PHYLOGENETIC ANALYSIS

APPLICATIONS OF PHYLOGENETIC ANALYSIS

MEGA X: MOLECULAR EVOLUTIONARY GENETICS ANALYSIS

STEPS IN PHYLOGENETIC TREE CONSTRUCTION

BACTERIAL STRAINS REPORTED IN NCBI

EXPORT FASTA SEQUENCES

CLICK WEB-QUERY GENBANK

PASTE ACCESSION NUMBER-CLICK SEARCH

CLICK ADD TO ALIGNMENT

INPUT LABELS (SCIENTIFIC NAME, ACCESSION NUMBER)

PUT ACCESSION NUMBER IN PARENTHESES

ALIGN EXPORTED SEQUENCES

USE DEFAULT SETTINGS

INSPECT ALIGNMENT

TRIM EXCESS SEQUENCES

SAVE ALIGNMENT

CLICK DATA-SAVE SESSION

SAVE IN MEGA FORMAT

BUILD CLADOGRAM

OPEN SAVED ALIGNMENT

USE BOOTSTRAP AND DISTANCE CORRECTION METHOD

SAVE FILE IN PDF FORMAT

DIFFERENT TREE REPRESENTATIONS

BASIC RESEARCH EXPERIMENT USING PHYLOGENETIC ANALYSIS ONVESTIGATORY PROJECT/THESIS

SUMMARY

Cladistics Part 2: Monophyly, Paraphyly, and Polyphyly - Cladistics Part 2: Monophyly, Paraphyly, and Polyphyly by Professor Dave Explains 54,263 views 2 years ago 6 minutes, 31 seconds - Now that we know how to construct cladograms, we have to learn some new terminology. These are the terms monophyly, ...

Cladistics

The Tree of Life

monophyly

monophyletic taxon = clade

this concept of clades applies to both evolutionary and cladistic taxonomy

PROFESSOR DAVE EXPLAINS

Taxonomy: Life's Filing System - Crash Course Biology #19 - Taxonomy: Life's Filing System - Crash Course Biology #19 by CrashCourse 3,144,801 views 11 years ago 12 minutes, 16 seconds - Hank tells us the background story and explains the importance of the science of classifying living things, also known as taxonomy ...

1) Taxonomy

2) Phylogenetic Tree

3) Biolography

4) Analogous/Homoplastic Traits

5) Homologous Traits

6) Taxa & Binomial Nomenclature

7) Domains

a) Bateria

b) Archaea

c) Eukarya / 4 Kingdoms

Plantae

Protista

Fungi

Animalia

Phylogenetic trees: the basics - Phylogenetic trees: the basics by Biotech and Bioinformatics with Prof Greg 7,614 views 2 years ago 18 minutes - A short video introducing key characteristics of **phylogenetic**, trees.

Intro

Why phylogenetic analysis?

What do phylogenetic trees look like?

Unrooted and rooted trees

A few more terms

A phylogenetic tree with branch lengths (unrooted)

A phylogenetic tree rooted using a molecular clock

Deciding what sequences to include

Aligning the sequences

Multiple Sequence Alignment aligns characters subject to selection

Two broad categories of tree estimation methods

Methods for rooting a tree

Meet the World's Biggest Bat | National Geographic - Meet the World's Biggest Bat | National Geographic by National Geographic 5,464,747 views 12 years ago 2 minutes, 21 seconds - #NationalGeographic #FlyingFoxes #Bats, About National Geographic: National Geographic is the world's premium destination for ...

What is the largest bat in the world?

Why are bats called flying foxes?

How We're All Related (Phylogeny): Crash Course Biology #17 - How We're All Related (Phylogeny): Crash Course Biology #17 by CrashCourse 51,553 views 4 months ago 13 minutes, 51 seconds - Crocodiles, and birds, and dinosaurs—oh my! While classifying organisms is nothing new, **phylogeny**,— or, grouping organisms ...

The Platypus & Phylogeny

Taxonomy

Systematics

Phylogeny & Genetics

Dr. Motoo Kimura

Phylogenetic Trees

The Complexities of Evolution

Review and Credits

O INCRÍVEL MORCEGO GIGANTE - O INCRÍVEL MORCEGO GIGANTE by Maiores do Mundo 462,691 views 4 years ago 3 minutes, 1 second - Conheça o maior morcego do mundo que é chamado de raposa voadora pelo seu enorme tamanho e aparência. Uma criatura ...

Phylogeny and Phylogenetic Trees - Phylogeny and Phylogenetic Trees by Complex Life 104,655 views 13 years ago 6 minutes, 42 seconds - Dr. Phoebe Cohen explains what a **phylogeny**, is, and describes the possible places Ediacaran organisms belong in the ...

Phylogeny Tree

Extinct Tree

Complex Tree

Ediacaran Tree

Phylogenetic tree - it's types & Applications - Phylogenetic tree - it's types & Applications by Dr. Neeraj Kumar 35,162 views 2 years ago 6 minutes, 41 seconds - In this video you will learn **phylogenetic**, tree, its types and applications.

Intro

WHAT IS PHYLOGENETIC TREE . Phylogenetic tree is a diagrammatic representation of evolutionary relationships among living organisms.

An unrooted phylogenetic tree does not give the information of a common ancestor, but only positions the taxa to show their relative relationships

BIFURCATING PHYLOGENETIC TREE A bifurcating tree has exactly two descendants arising from each interior node. Both rooted and unrooted trees can be bifurcating

BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. - BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. by Fauna and Flora 77 views 1 year ago 1 minute, 24 seconds - morcegos #fruitbats #murcielagos #faunaandflora #morcegodelinhabranca #platyrrhinuslineatus #**platyrrhinus**, ...

1. Phylogenetic analysis of pathogens(lecture - part1) - 1. Phylogenetic analysis of pathogens(lecture - part1) by The Roslin Institute - Training 3,453 views 8 years ago 7 minutes, 15 seconds - Lecture by professor Ross Fitzgerald, filmed at The Roslin Institute, March 2015. (Recommended YouTube playback settings for ...

How to read a phylogenetic tree

Phylogenetic tree terms

Measure of support for nodes

Other phylogenetic tree formats

How to Compute phylogeny tree using TREEFINDER - How to Compute phylogeny tree using TREEFINDER by Genomics Lab 472 views 4 years ago 7 minutes, 40 seconds - Computational inference of molecular **phylogenies**, has a wide spectrum of applications in the analysis of DNA sequences, ...

Base composition analysis.

Propose model.

Reconstruct phylogeny.

Building a consensus tree from exported tree file.

Building distance tree from exported distance file.

Credits to: Dr.N.Senthil.

BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. - BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. by Fauna and Flora 61 views 3 months ago 1 minute, 26 seconds - morcegos #fruitbats #murcielagos #faunaandflora #morcegodelinhabranca #platyrrhinuslineatus #platyrrhinus, ...

BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. - BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. by Fauna and Flora 108 views 2 years ago 1 minute, 15 seconds - morcegos #fruitbats #murcielagos #faunaandflora #morcegodelinhabranca #platyrrhinuslineatus #platyrrhinus, ...

AS Biology - Phylogeny (OCR A Chapter 10.3) - AS Biology - Phylogeny (OCR A Chapter 10.3) by BioRach 24,505 views 5 years ago 2 minutes, 46 seconds - Phylogeny, is the evolutionary relationships between organisms. In this video we will discuss why it is such a good way to study ...
Phylogeny

Phylogenetic Tree

Evolutionary Timeline

How To Read A Phylogenetic Tree | Introduction + 5 Exercises! - How To Read A Phylogenetic Tree | Introduction + 5 Exercises! by DillonTheBiologist 6,519 views 9 months ago 49 minutes - Do you struggle to read and understand **Phylogenetic**, trees? You are not alone! This video will break down how to read a ...

Introduction

What are phylogenies?

Most Recent Common Ancestors

Finding Descendants from a Node

What are Sister Groups

Monophyletic, Paraphyletic, and Polyphyletic groupings

Monophyletic Groups Explained

Paraphyletic Groups Explained

Polyphyletic Groups Explained

Example: Are Birds Reptiles?

What are Clades?

Okay but why are birds reptiles?

Common Mistake: Phylogenies can rotate

Common Mistake: Organisms at the end are not more advanced

Exercise 1: Mono-, Para-, and Polyphyletic Groups

Exercise 2: Understanding Rotations on Phylogenies

Exercise 3: Number of Tips, Nodes, and Branches

Exercise 4: Most Recent Common Ancestor

Exercise 5: How many monophyletic groups?

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BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. - BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. by Fauna and Flora 147 views 2 years ago 1 minute, 27 seconds - morcegos #fruitbats #murcielagos #faunaandflora #morcegodelinhabranca #platyrrhinuslineatus #platyrrhinus, ...

Phylogenetic tree - Phylogenetic tree by Shomu's Biology 349,284 views 9 years ago 13 minutes, 12 seconds - This lecture explains the construction of **phylogenetic**, tree and properties of **phylogenetic**, tree. For more information, log on to- ...

BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. - BAT family, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. by Fauna and Flora 1,913 views 8 years ago 1 minute, 24 seconds - morcegos #fruitbats #murcielagos #faunaandflora #morcegodelinhabranca #platyrrhinuslineatus #platyrrhinus, ...

BAT maternity, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. - BAT maternity, WHITE-LINED BROAD-NOSED BAT (PLATYRRHINUS), MORCEGO-DE-LINHA-BRANCA, Abandoned shed. by Fauna and Flora 162 views 5 years ago 1 minute, 15 seconds - morcegos #fruitbats #murcielagos #faunaandflora #morcegodelinhabranca #platyrrhinuslineatus #**platyrrhinus**, ...

Phylogenetics - Phylogenetics by Ray Cinti 573 views 9 years ago 17 minutes - A brief look and evolutionary history.

Intro

Evolutionary Relationships

Convergent Evolution

Systematics

Morphological

Molecular

Taxonomy

Phylogenetic Tree

Conclusion

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