

Evolutionary Thinking 2022

TA session

week 3 – Phylogenetic

Jilong Ma
aujilongm@birc.au.dk

Outline

1. Learning outcome of this week

2. Paper Overview

3. Paper Discussion

Learning outcome of this week

Wednesday

Paper Discussion: HIV transmission (Ou et al 1992)

Review on the phylogenetic methods and interpretation

Friday

R practice:

Building and visualizing phylogeny in R

Overview of the paper

Purpose: Try to identify the HIV transmission and resolve the relationship

Data:

C2-V3 region sequence (nucleotide and amino acid)

Methods:

Genetic Variation

Phylogenetic Tree

Amino Acid Signature



Overview of the paper

Purpose: Try to identify the HIV transmission and resolve the relationship

Data:

C2-V3 region sequence (nucleotide and amino acid)

Methods:

Genetic Variation (Intra/Inter person – dental group)

Phylogenetic Tree (relationship between virus strains)

Amino Acid Signature (A double check? Or a same check ?)





AARHUS
UNIVERSITY