

# Lab Seminar

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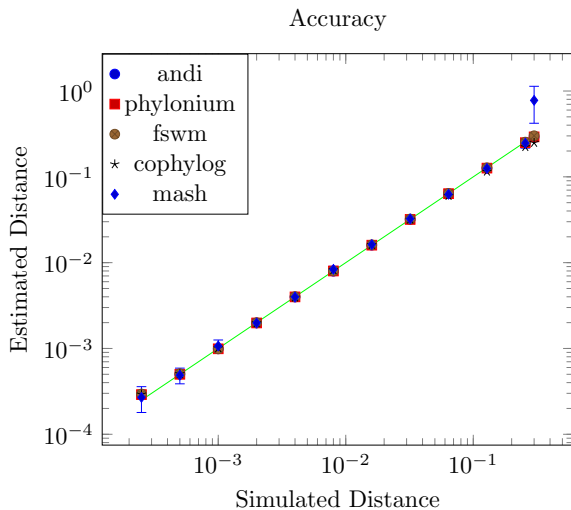
## Definition: Homology

Given two genomic sequences, a section surrounded by two long exact matches is called *homologous*.

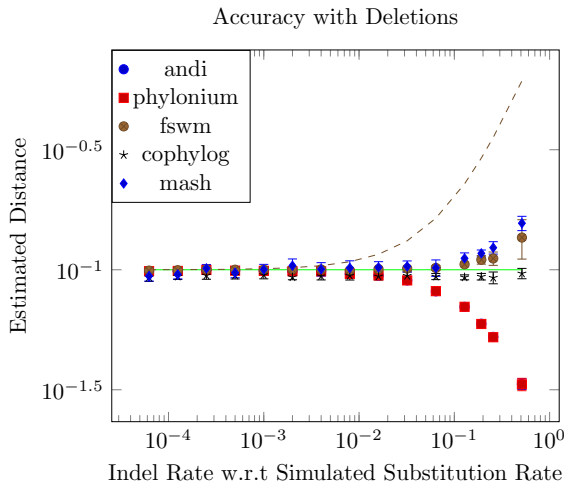
## Visualisation

<http://evolbioinf.github.io/andi/>

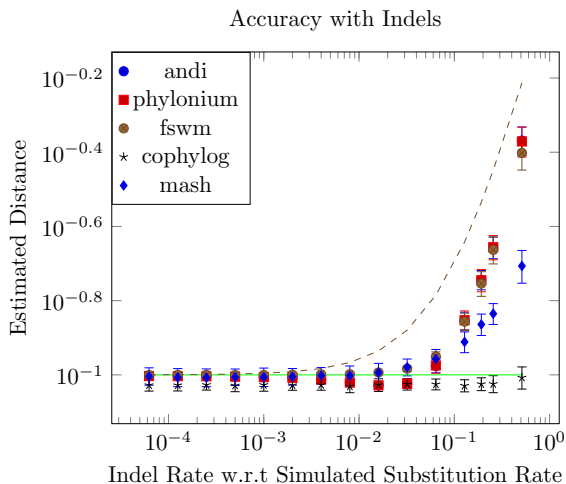
# Accuracy



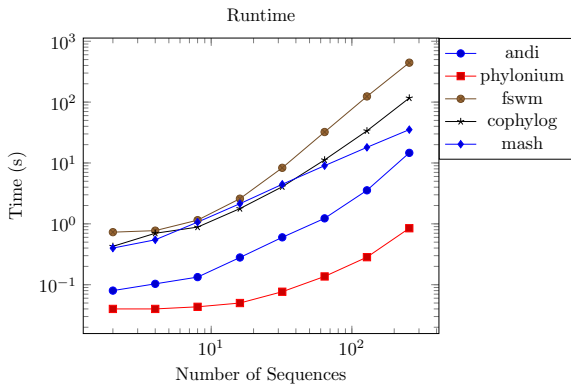
# Accuracy in the Presence of Deletions



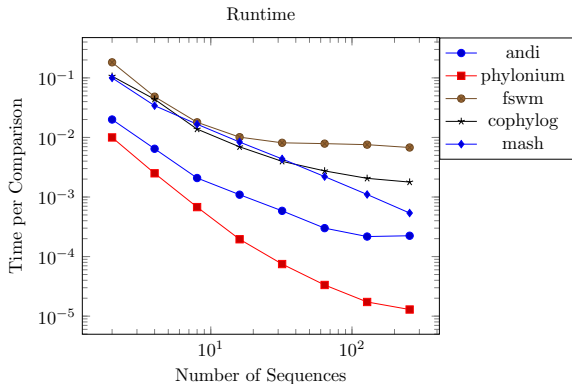
# Accuracy in the Presence of Indels



# Runtime

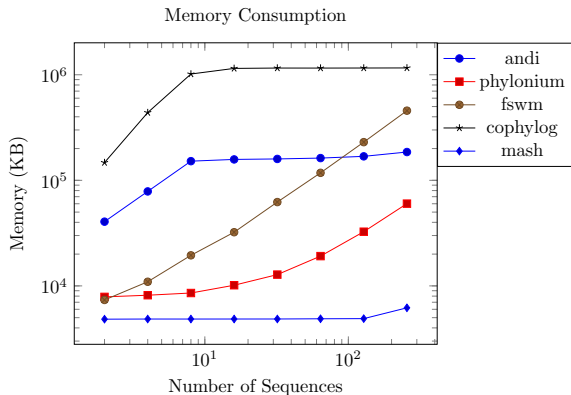


# Runtime per Comparison

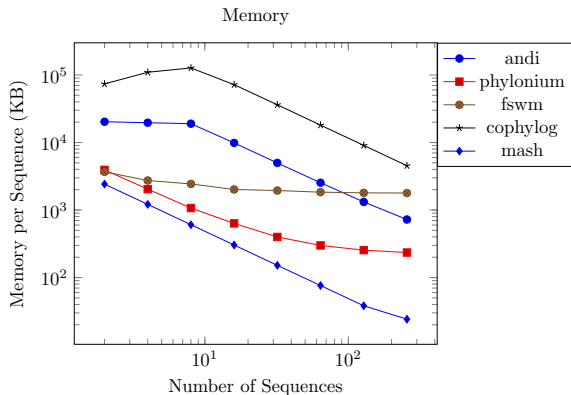




# Memory Usage



# Memory Usage per Input Sequence



“During the last few years, rapid sequencing of DNA has become feasible, and data on nucleotide sequences of various parts of the genome in diverse organisms have started to accumulate at an accelerated pace.”

— Motoo Kimura (1980)