

Introductory Exercise

Welcome to bioinformatics!

DNA Sequence

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ATGAAGGTTCTGTGGGCTGCGTTGCTGGTCACATTCCTGGCAGGATGCCAGGCCAAGGTGGAGCAAGCGG
TGGAGACAGAGCCGGAGCCCGAGCTGCGCCAGCAGACCGAGTGGCAGAGCGGCCAGCGCTGGGAACTGGC
ACTGGGTCGCTTTTGGGATTACCTGCGCTGGGTGCAGACACTGTCTGAGCAGGTGGCGGAGGTGCGCGCC
AAGCTGGAGGAGCAGGCCAGCAGATACGCCTGCAGGCCGAGGCCTTCCAGGCCCGCCTCAAGAGCTGGT
TCGAGCCCCTGGTGGAAGACATGCAGCGCCAGTGGGCCGGGCTGGTGGAGAAGGTGCAGGCTGCCGTGGG
CACCAGCGCCGCCCTGTGCCCAGCGACAATCAC
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1. Identify this sequence.
2. Translate this sequence to amino acids.
3. Find a similar sequence from at least 4 other species.
4. Align these 5 sequences.
5. Estimate a phylogeny.
6. What did you learn?