

FROM SEQUENCES TO SIMILARITY

Python series for iGEM Teaching / Bram Jacobs & Shauny Van Hoye / Advisor: Louis Coussement











Jupyter 6.0.2

FROM SEQUENCES TO SIMILARITY





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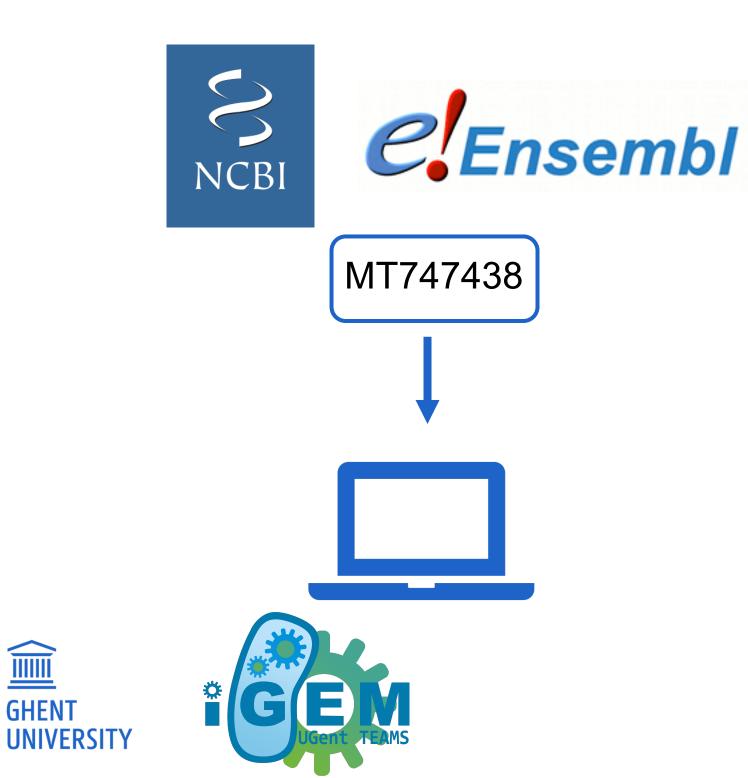






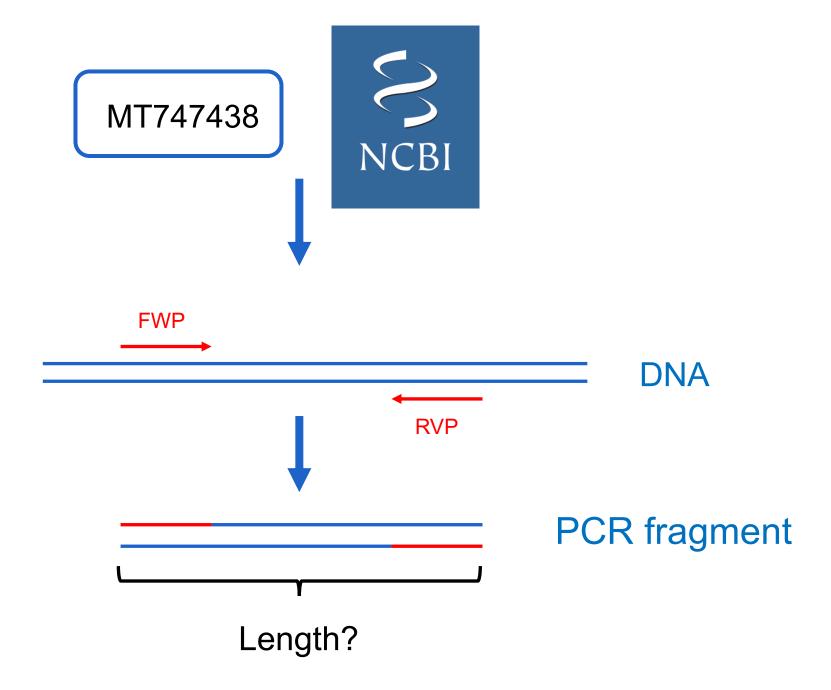
TUTORIAL SERIES

(1) Look-up sequences



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(2) Length of PCR fragment



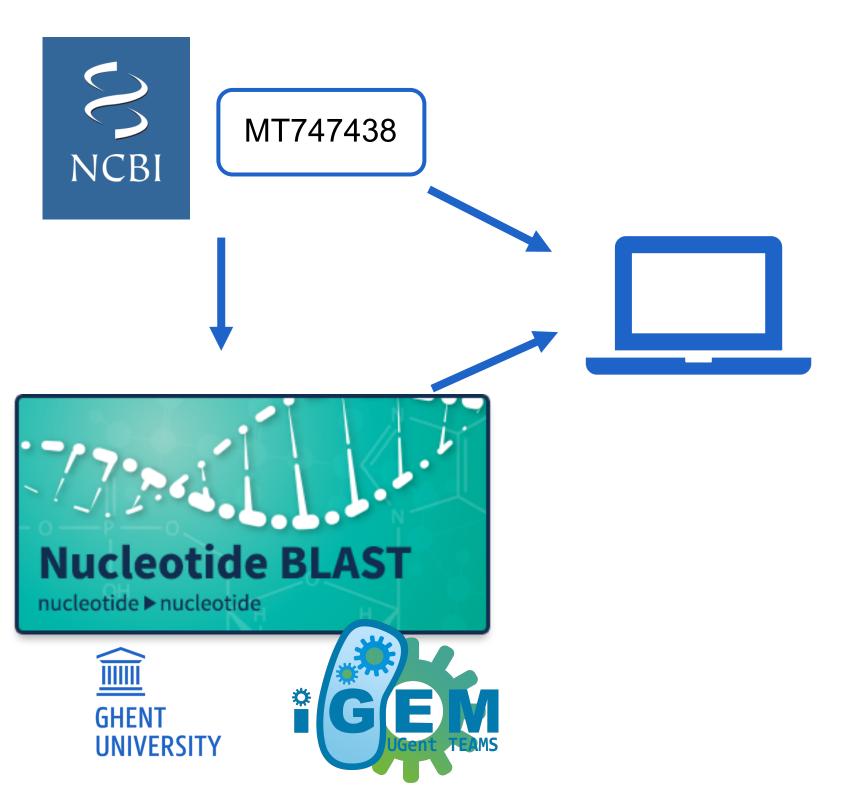
Abbreviations

FWP: forward primer

RVP: reverse primer

TUTORIAL SERIES

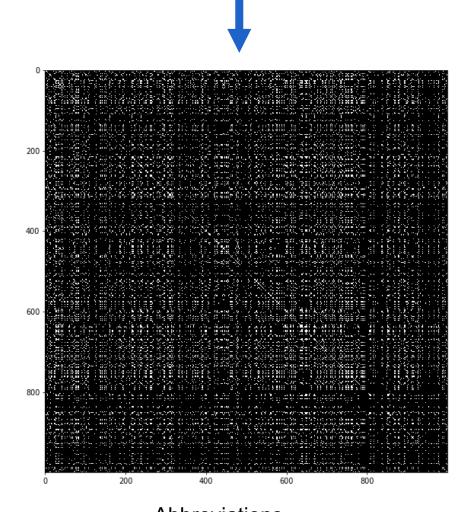
(3) BLAST



(4) Dot plots/PSA

Sequence1: MT747438

Sequence2: MT670021



Abbreviations

PSA: pairwise sequence alignment 4

TUTORIAL SERIES

(5) Phylogenetic tree

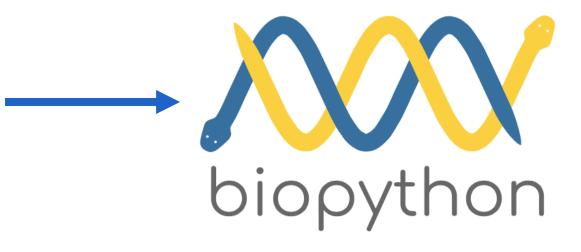
MT670021 MT907518 MT905416 MT612216 MT825091 MT890462 MT706050 ...

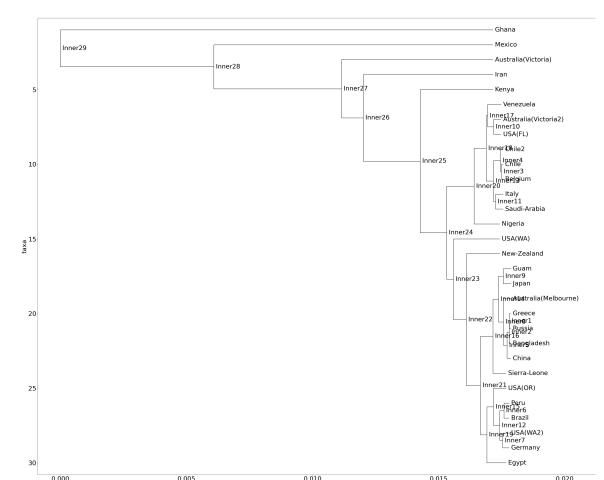


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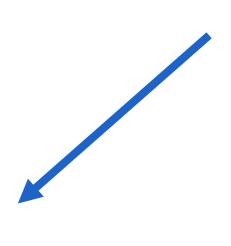
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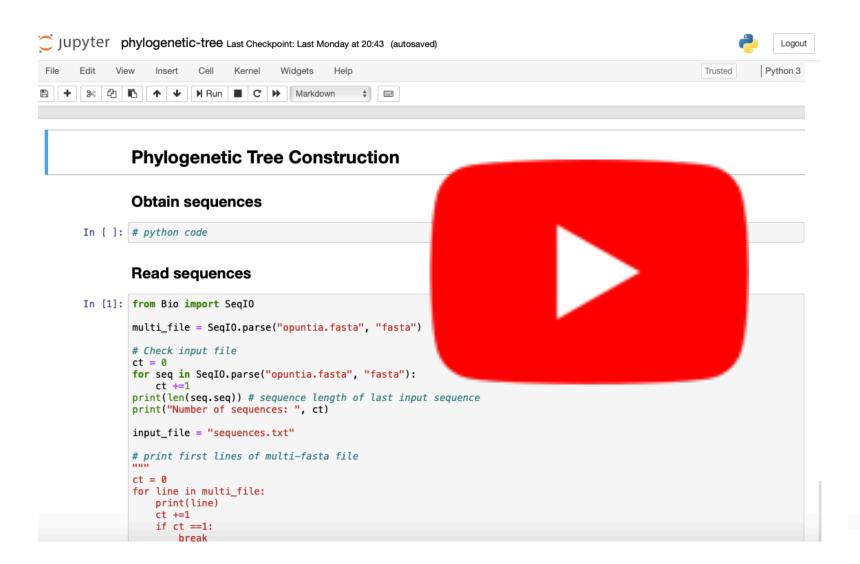








END PRODUCTS







ue, auto=False)

ving code. Replace ... with

Draw tree







Bram Jacobs

Master student

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