Paper review: Evidence of Positive Selection in Mitochondrial Complexes I and V of the African Elephant*

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* - http://journals.plos.org/plosone/article? id=10.1371/journal.pone.0092587

Introduction to evolutionary biology

- Introduction to evolutionary biology
- Methods of research

- Introduction to evolutionary biology
- Methods of research
- Summary

Paper

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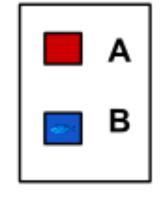


Evidence of Positive Selection in Mitochondrial Complexes I and V of the African Elephant

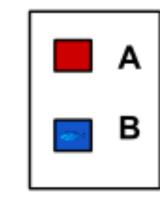
Tabitha M. Finch¹*, Nan Zhao², Dmitry Korkin³, Katy H. Frederick¹, Lori S. Eggert¹*

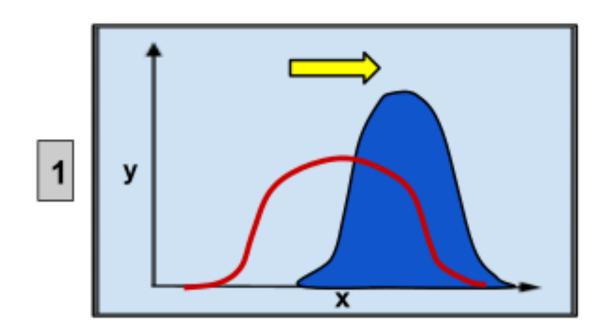
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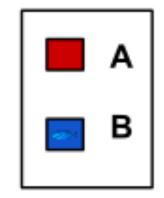


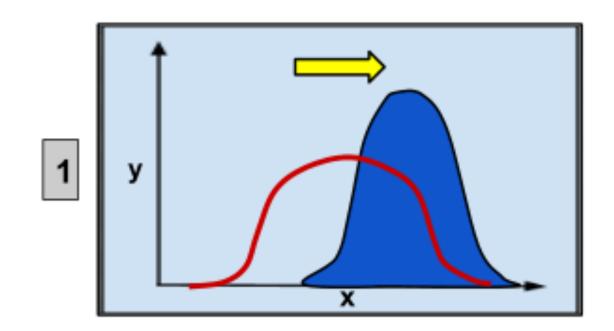
Directional selection



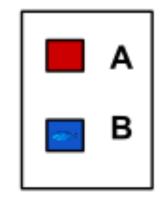


Directional selection

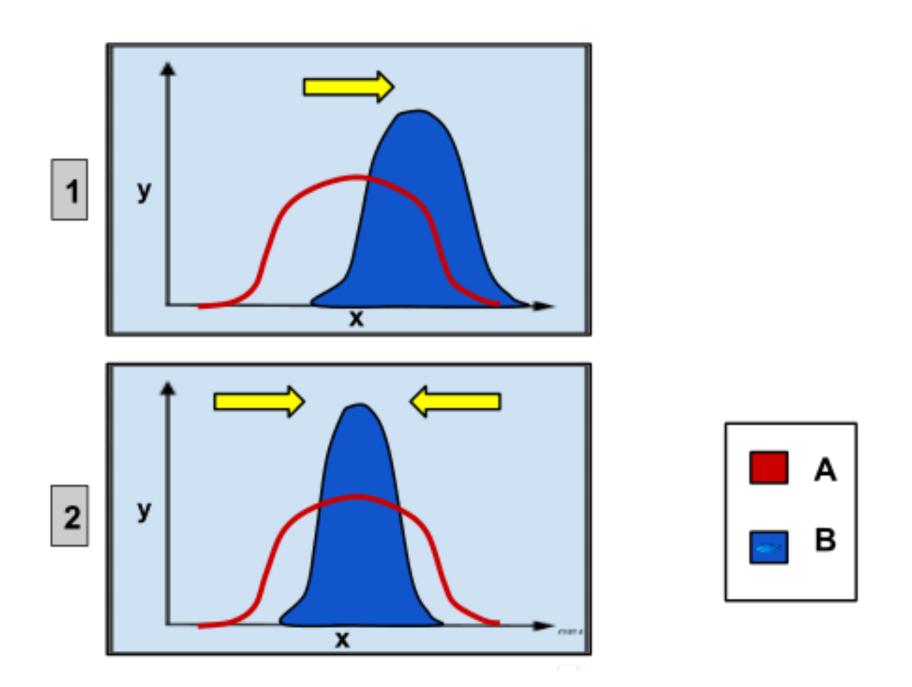




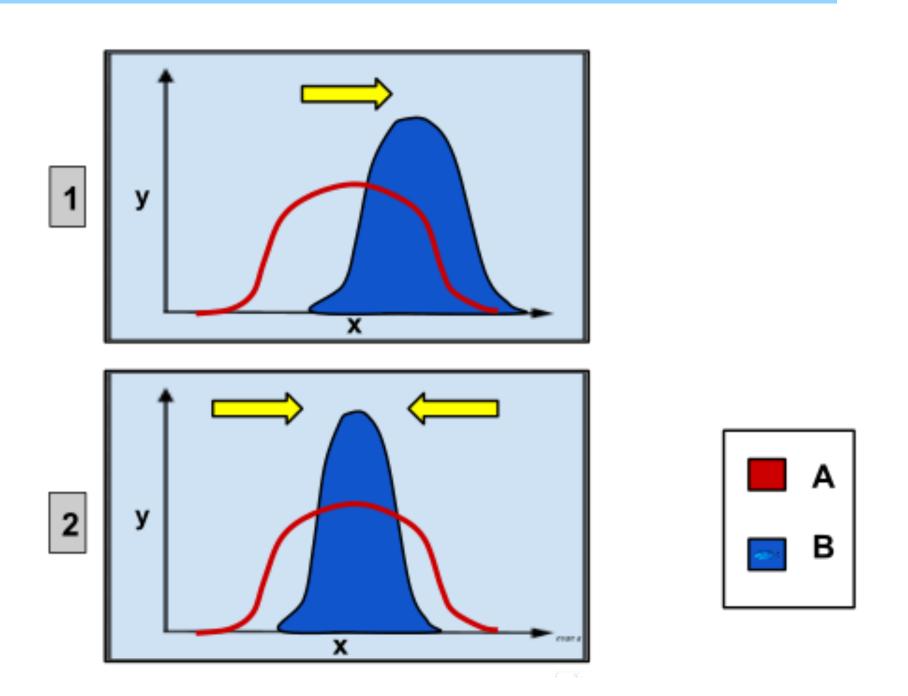
- Directional selection
- Stabilizing selection



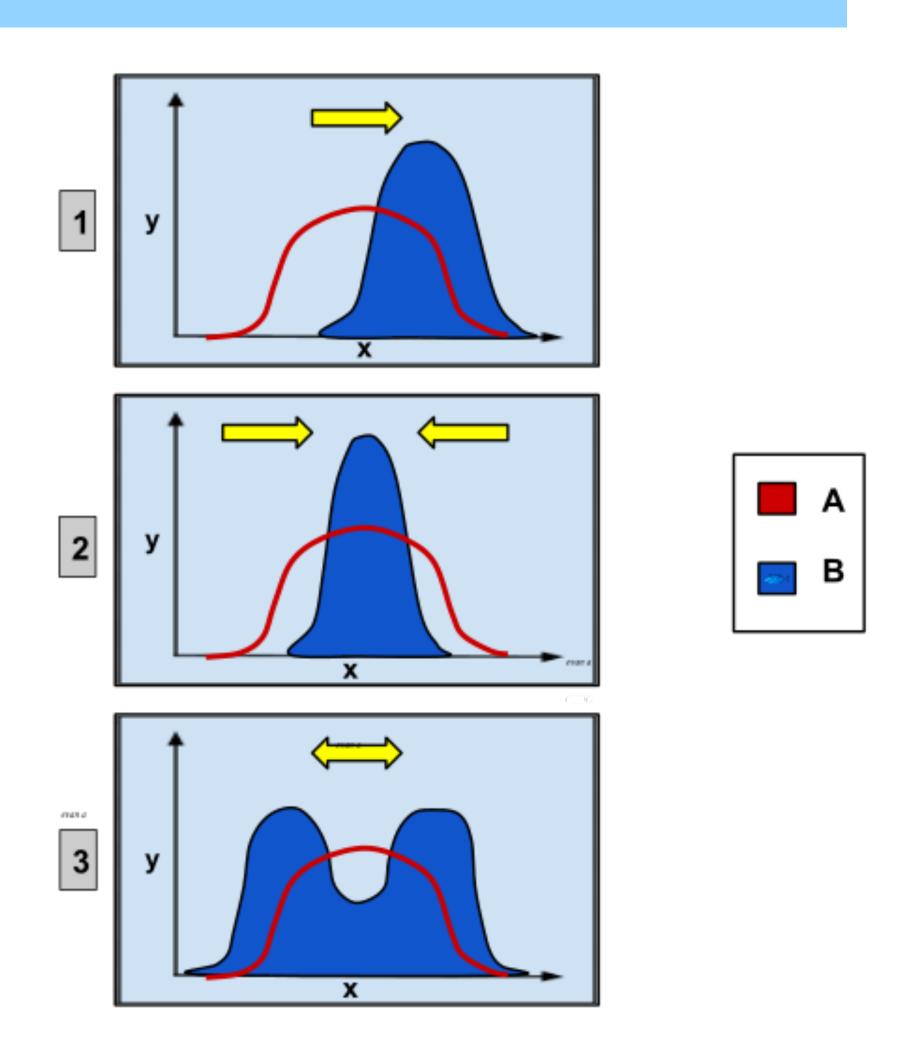
- Directional selection
- Stabilizing selection



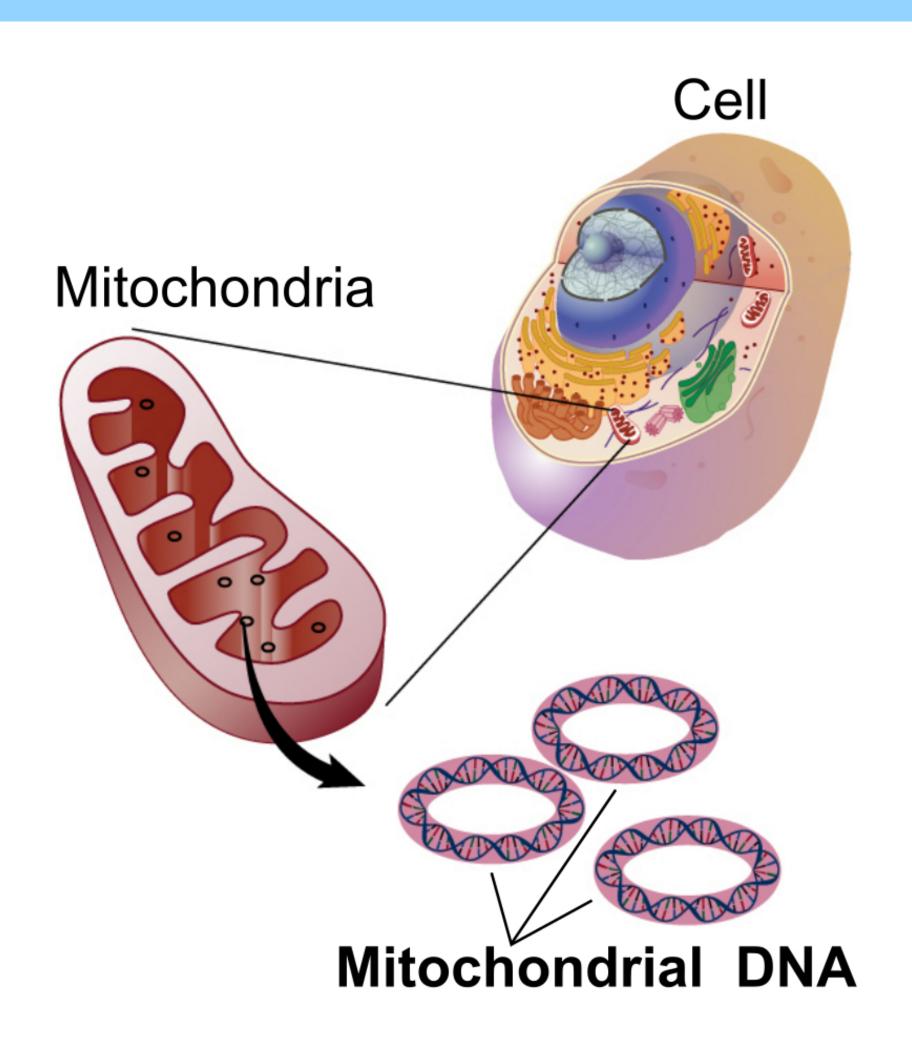
- Directional selection
- Stabilizing selection
- Disruptive selection

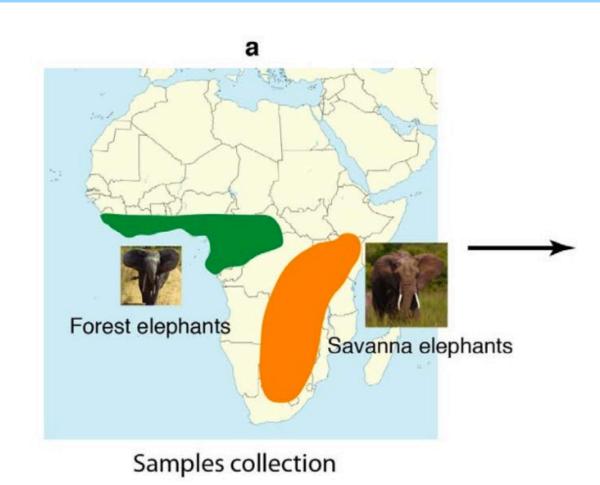


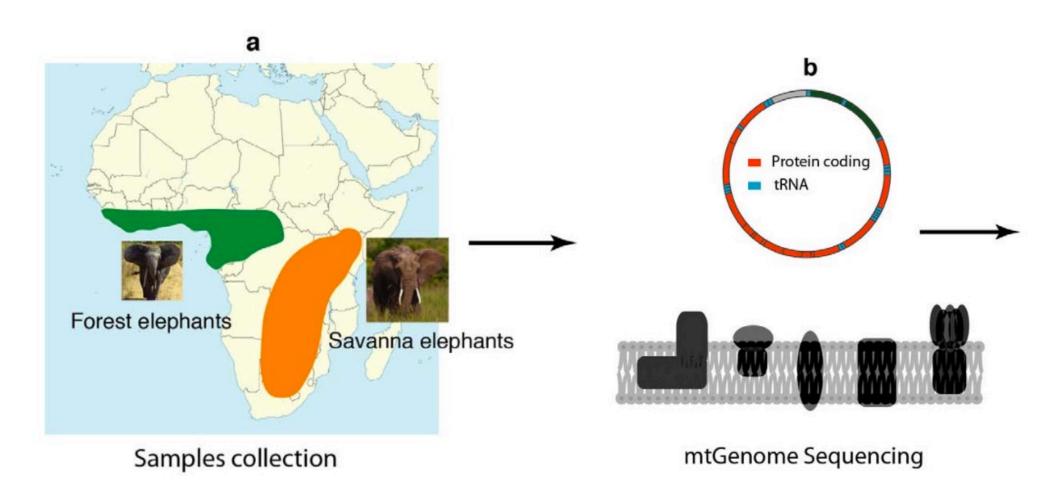
- Directional selection
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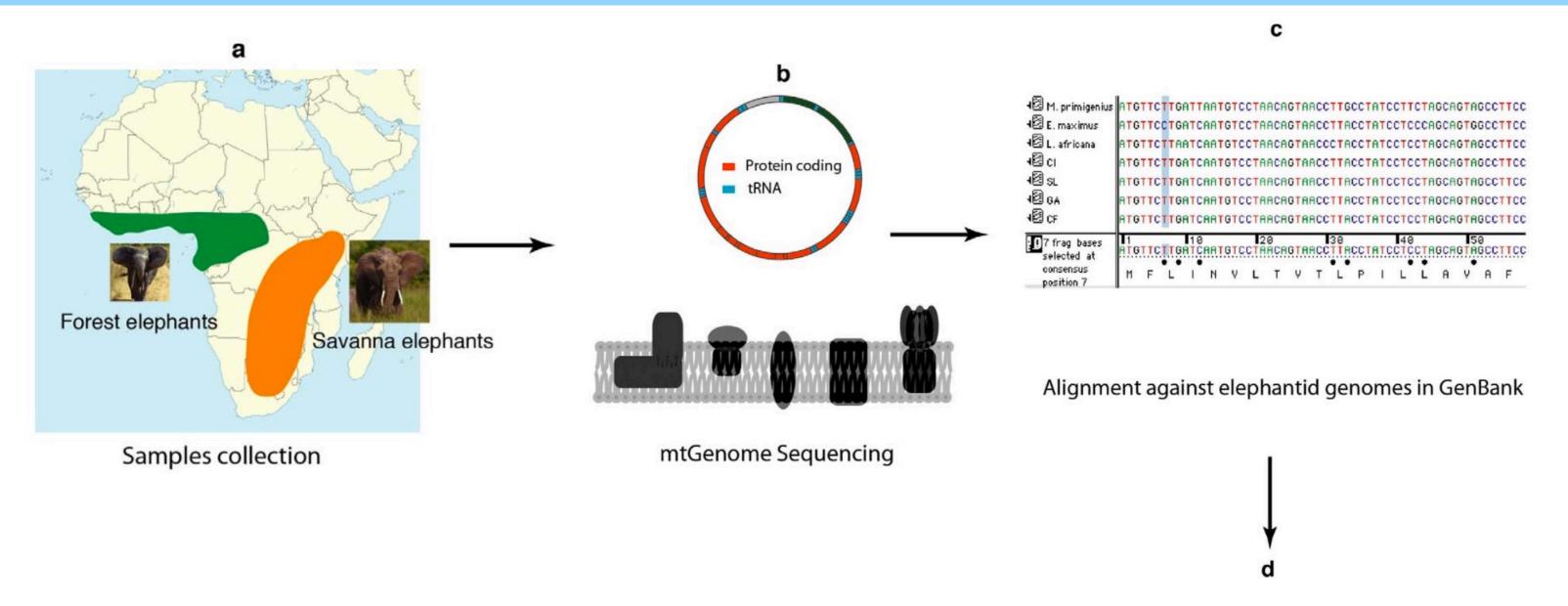


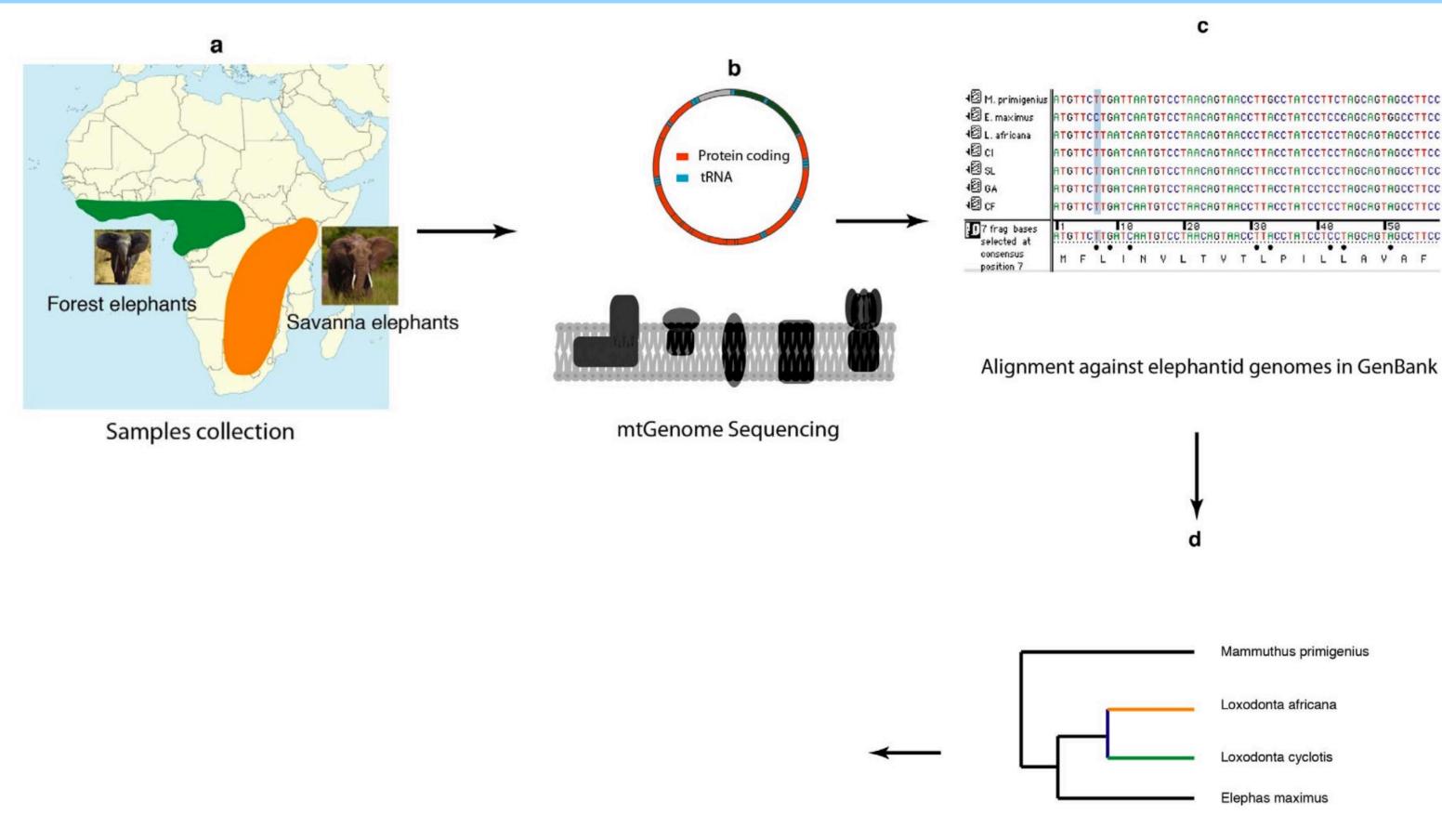
Mitochondrial DNA

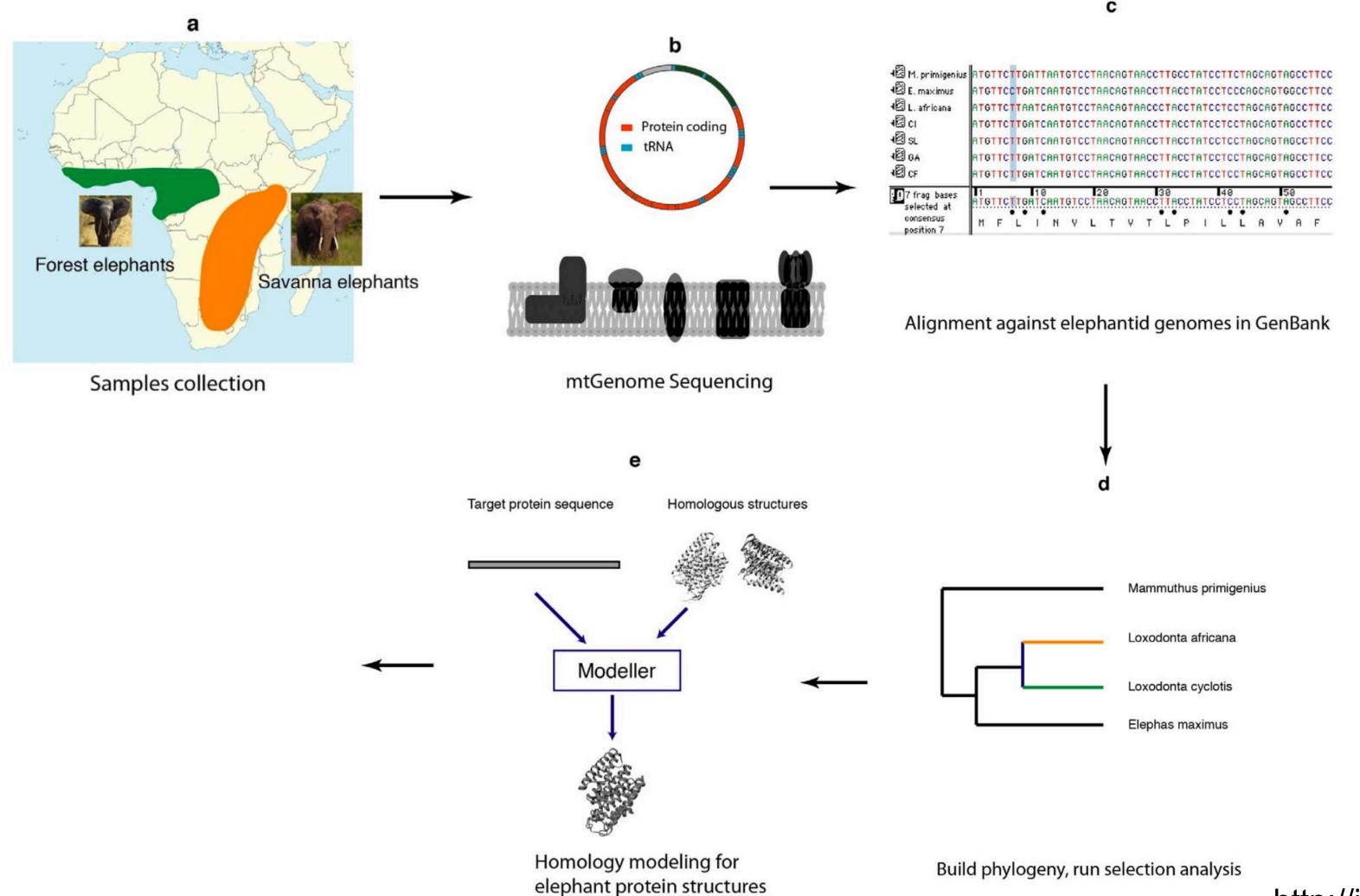


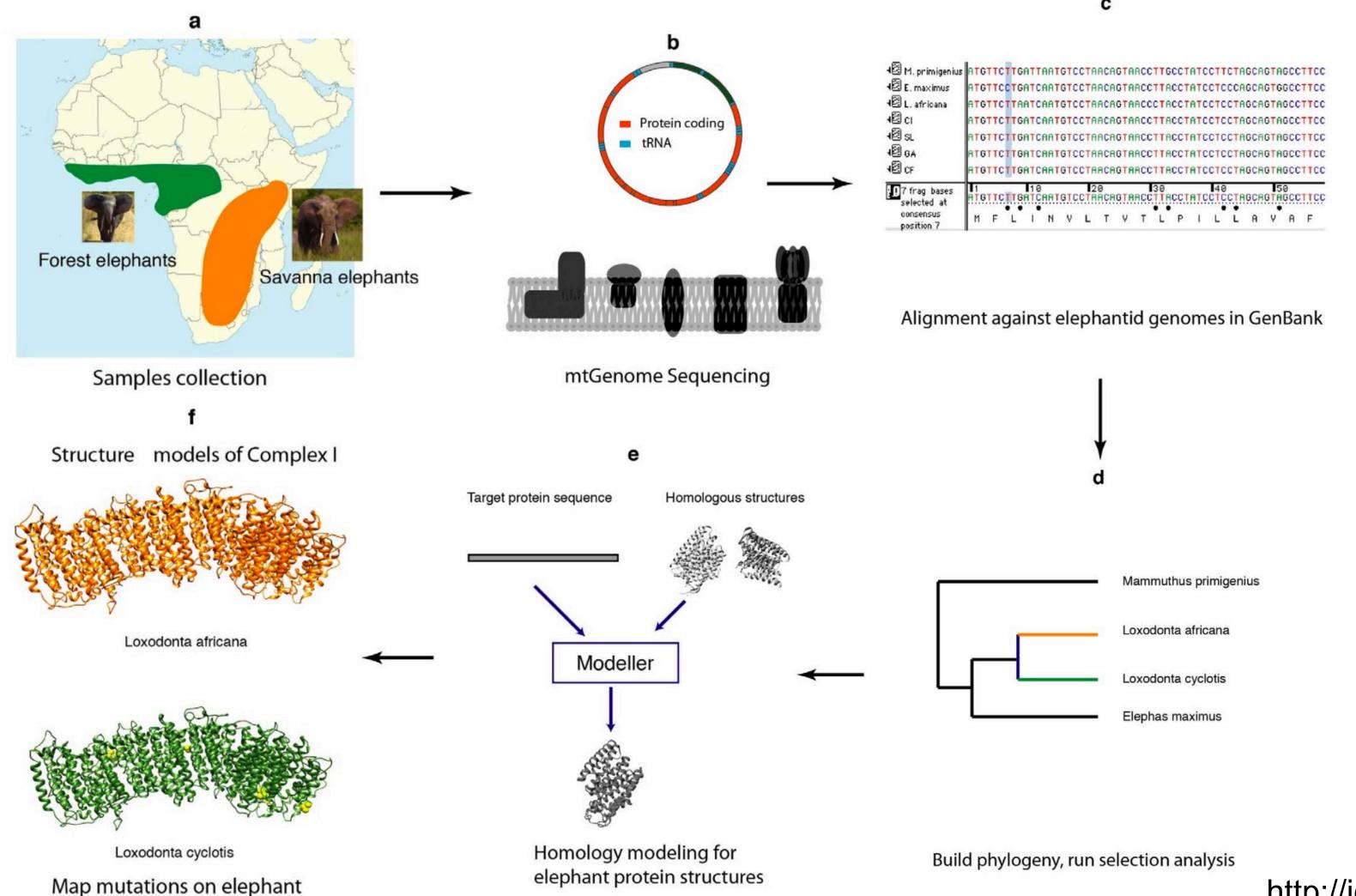












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protein strucutural models

http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0092587

Summary

- Gave a short introduction to evolutionary biology
- Explained the proposed method
- Briefly reported the work's results

Questions?