

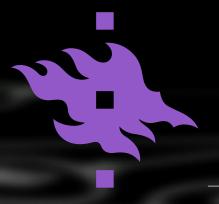
The Living Texts of Acts

Evolutionary approach to Textual Change



The Book of Acts

- Historical narrative of the origins of Christianity
- Second part of the two-volume work Luke-Acts
- Assigned to Luke
- Written ca. 80-90 CE
- Narrative spans 30 years (ca. 30–60 CE)
- Catalogued manuscripts: 467



Evolution of Species

- Replicators
 - Ability to make copies of themselves
 - Errors as the key ingredient
 - Accidental in nature
 - Competition
 - Useful changes tend to be preserved
 - Harmful becomes less-numerous
- Evolution is fundamentally unpredictable

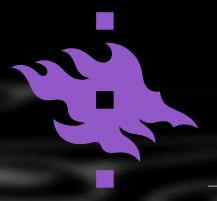


Manuscripts were copied by hand





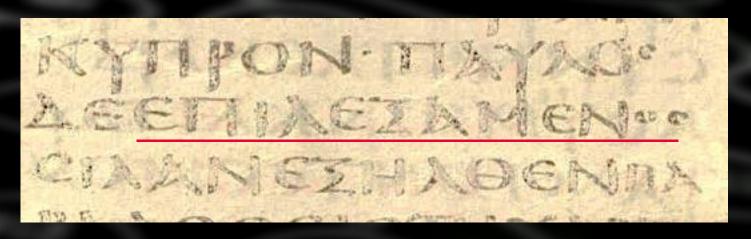
Source: British Library Catalogue of Illuminated Manuscripts. London, British Library MS Royal 14 E III, f. 6v. Northern France, 1st quarter of the 14th century http://www.bl.uk/catalogues/illuminatedmanuscripts/ILLUMIN.ASP?Size=mid&IllID=43454

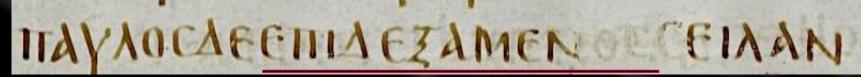


- Manuscripts were copied by hand
 - Every act of copying introduced errors (mutations)



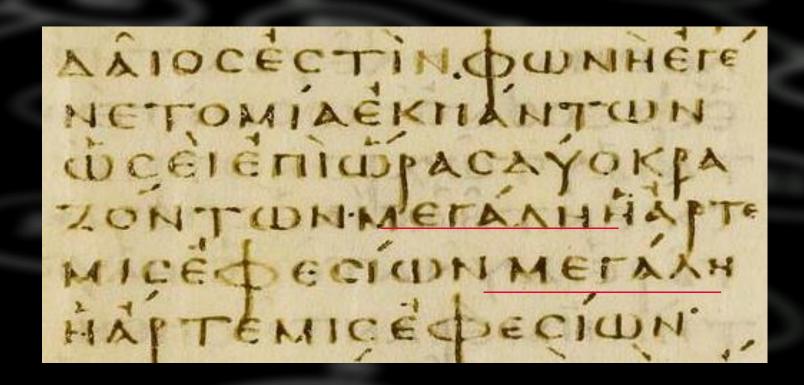
Acts 15:40

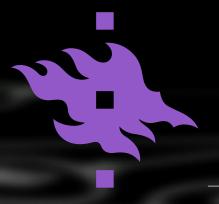






Acts 19:34



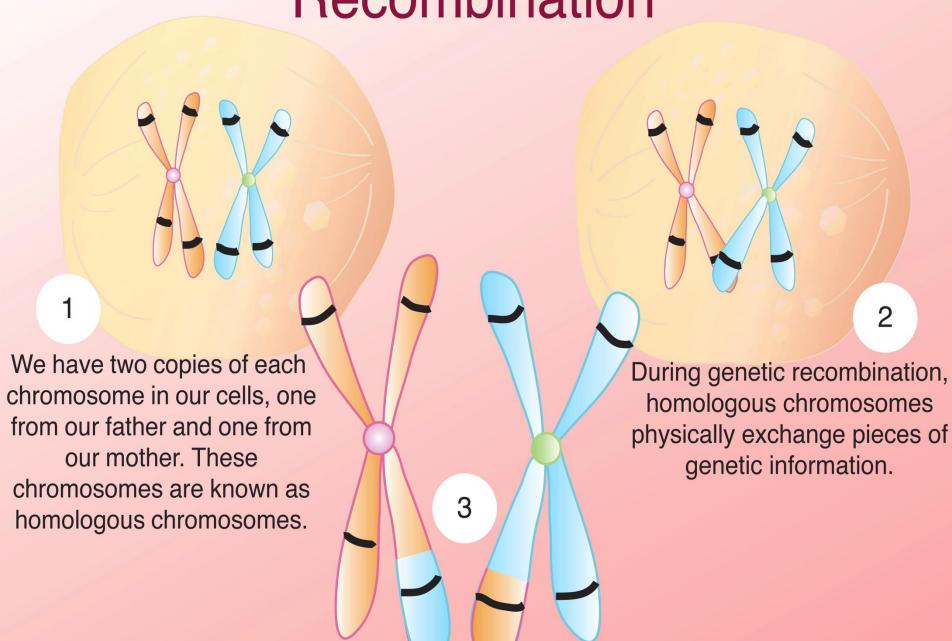


- Manuscripts were copied by hand
 - Every act of copying introduced errors (mutations)
 - Accumulated over time
 - These types of changes are random
 - Acts was copied by hand over 1400 years
 - Result: myriad changes



- Types of changes:
 - Mutations
 - Recombination (contamination)







Minuscule 1739: (Acts 8:36–39)

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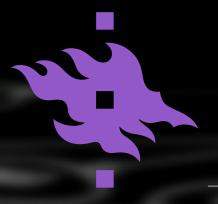
Minuscule 1739: (Acts 8:36–39)

- 36. ως δε επορευοντο κατα την οδον ηλθεν επι τι υδωρ και φησιν ο ευνουχος ιδου υδωρ τι κωλυει με βαπτισθηναι
- 37. ειπεν δε αυτω ει πιστευεις εξ ολης της καρδιας σου εξεστιν αποκριθεις δε ειπεν πιστευω τον υν του θυ ειναι ιν χν
 - 38. και εκελευσε στηναι το αρμα και κατεβησαν αμφοτεροι εις το υδωρ ο τε φιλιππος και ο ευνουχος και εβαπτισεν αυτον

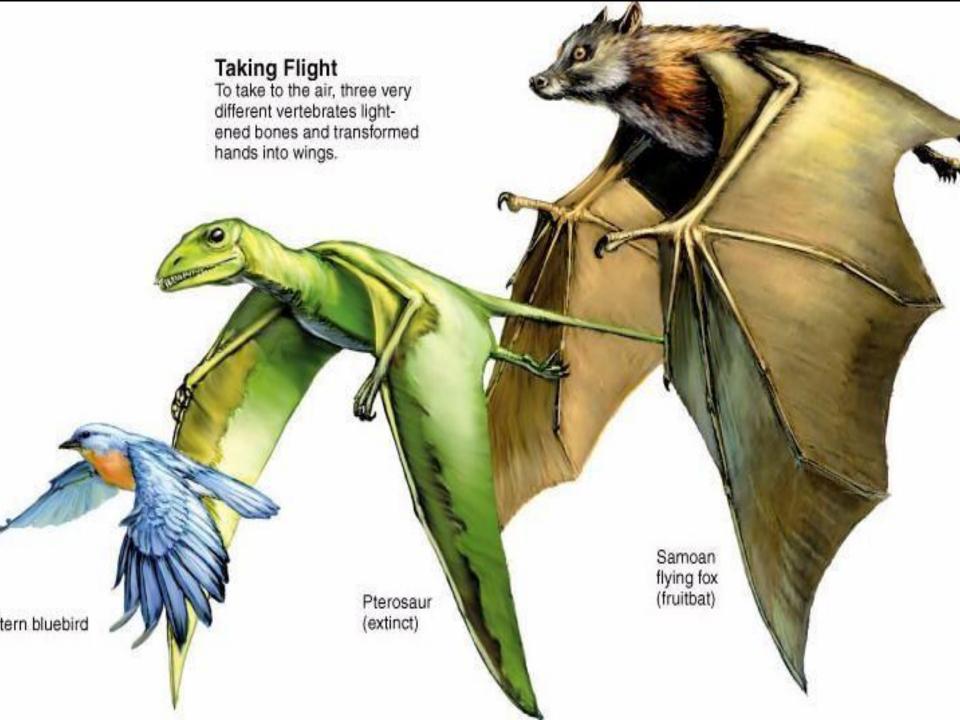


Minuscule 1739: (Acts 8:36–39)

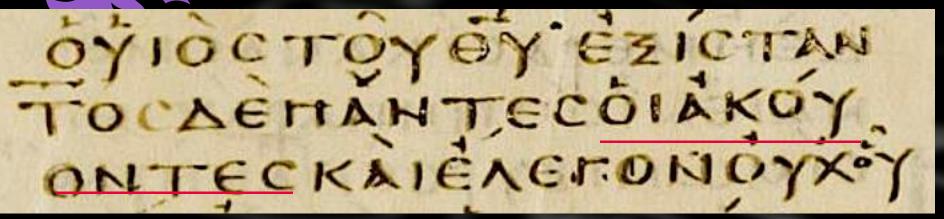
39. οτε δε ανεβησαν εκ του υδατος πνα αγιον επεπεσεν επι τον ευνουχον αγγελος δε κυ ηρπασεν τον φιλιππον και ουκ ειδεν αυτον ο ευνουχος ουκετι επορευετο γαρ την οδον αυτου χαιρων



- Different types of changes:
 - Mutations
 - Recombination (contamination)
 - Accumulates into extremely complicated structures
 - Convergent evolution (coincidental emergence of variants)

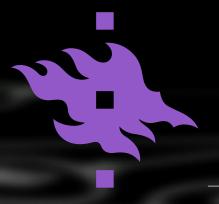


Acts 9:21





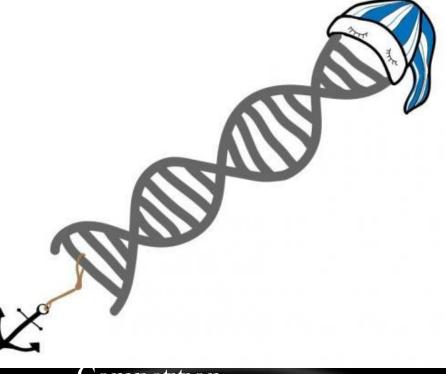
John on Xon Loadiho mob O noan ethilig n o doo son On of idah so ye man sa kai e,



- Different types of changes:
 - Mutations
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 - Convergent evolution (coincidental emergence of variants)

- And more!!!
 - Dormant genes (variants)

Manuscript avalution



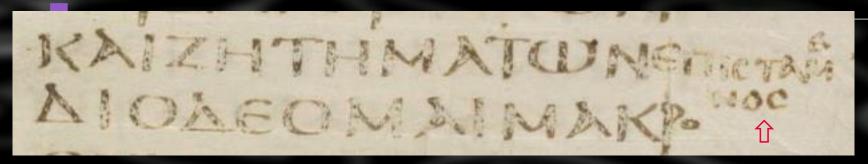
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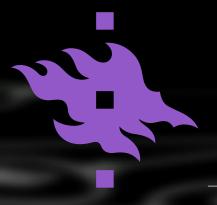
Competition



Dormant variants in Acts 26:3



ASICHEONIDNTERAIZHIMANA ETHETAMENOC: ATOXATOMEMA



- Types of changes:
 - Mutations
 - Recombination (contamination)
 - Accumulates into extremely complicated structures

- Convergent evolution (coincidental emergence of variants)
- And more!!!
 - Dormant variants
 - Self-correcting mechanisms
 - Survival of the fittest



I tell you,
keep away
from these men
and leave them alone,

because if this plan or this this work should be of men, It will be overthrown 39. But if it is of God, you will not be able to overthrow it

You may even be found fighting against God!



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> thus, keep away from these men You may even be found fighting against God!



I tell you, keep away from these men and leave them alone, do not defile your hands because if this plan or this this work should be of men, It will be overthrown 39. But if it is of God, you will not be able to overthrow it neither you nor kings nor tyrants thus, keep away from these men You may even be found fighting against God!



5:38. As for the present case, they are brethren, I tell you, keep away from these men and leave them alone, do not defile your hands because if this plan or this this work should be of men, It will be overthrown 39. But if it is of God, you will not be able to overthrow it neither you nor kings nor tyrants thus, keep away from these men You may even be found fighting against God!



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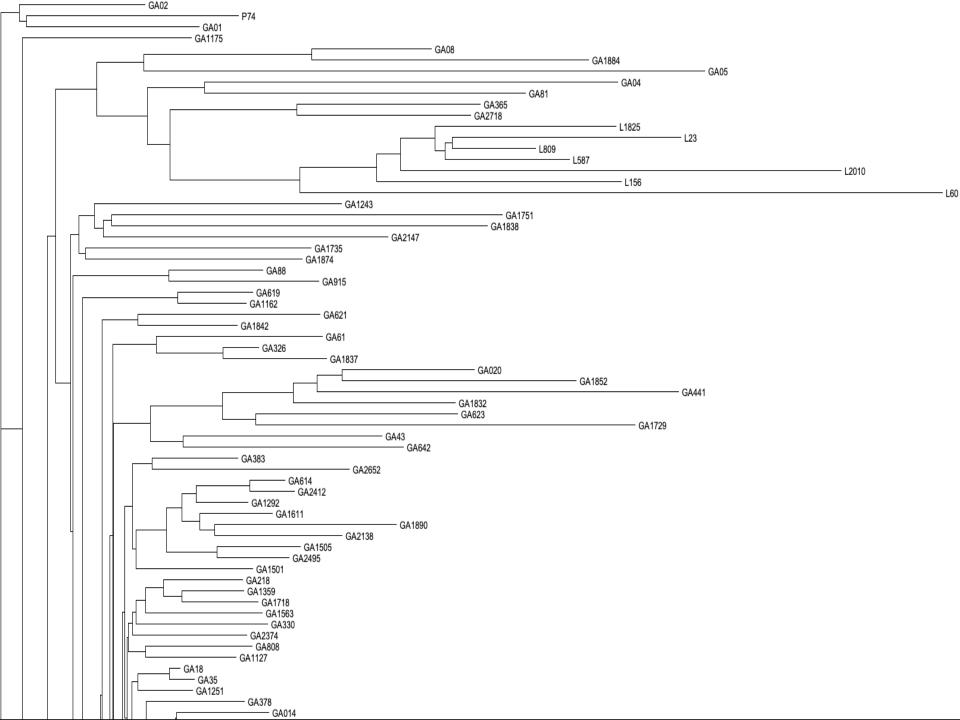
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Conclusions

- Analogy between biological and textual evolution is real!
 - Theoretical implications
 - Challenges conventional theories
 - Raises new questions
 - The role of chance (or HS)
 - Methodological possibilities
 - Phylogenetics





Questions....?