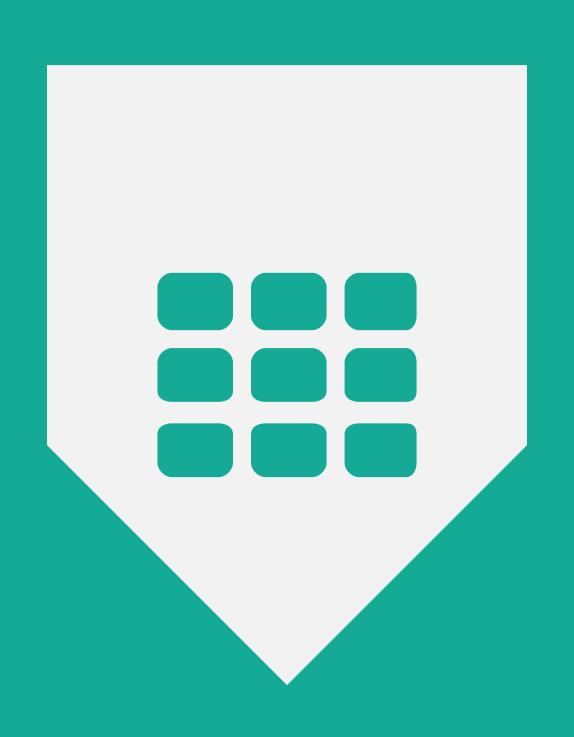
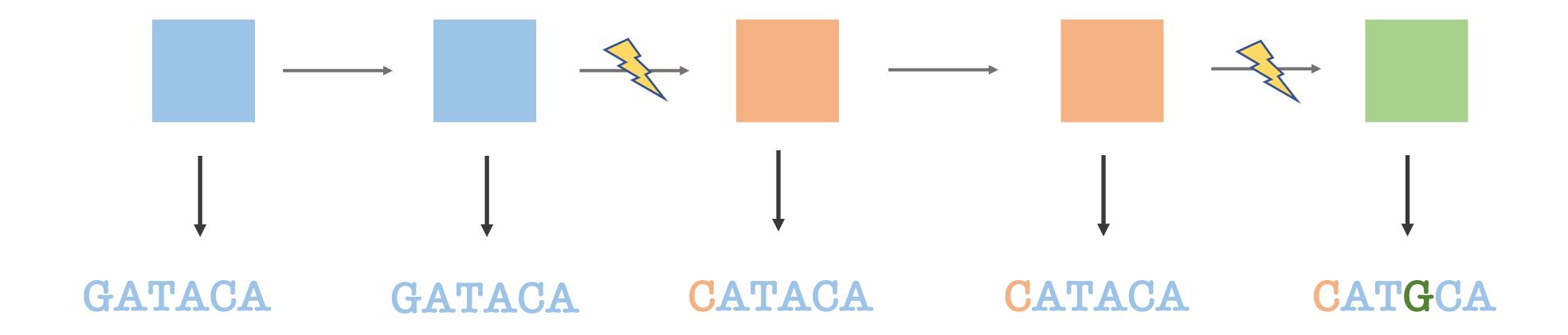
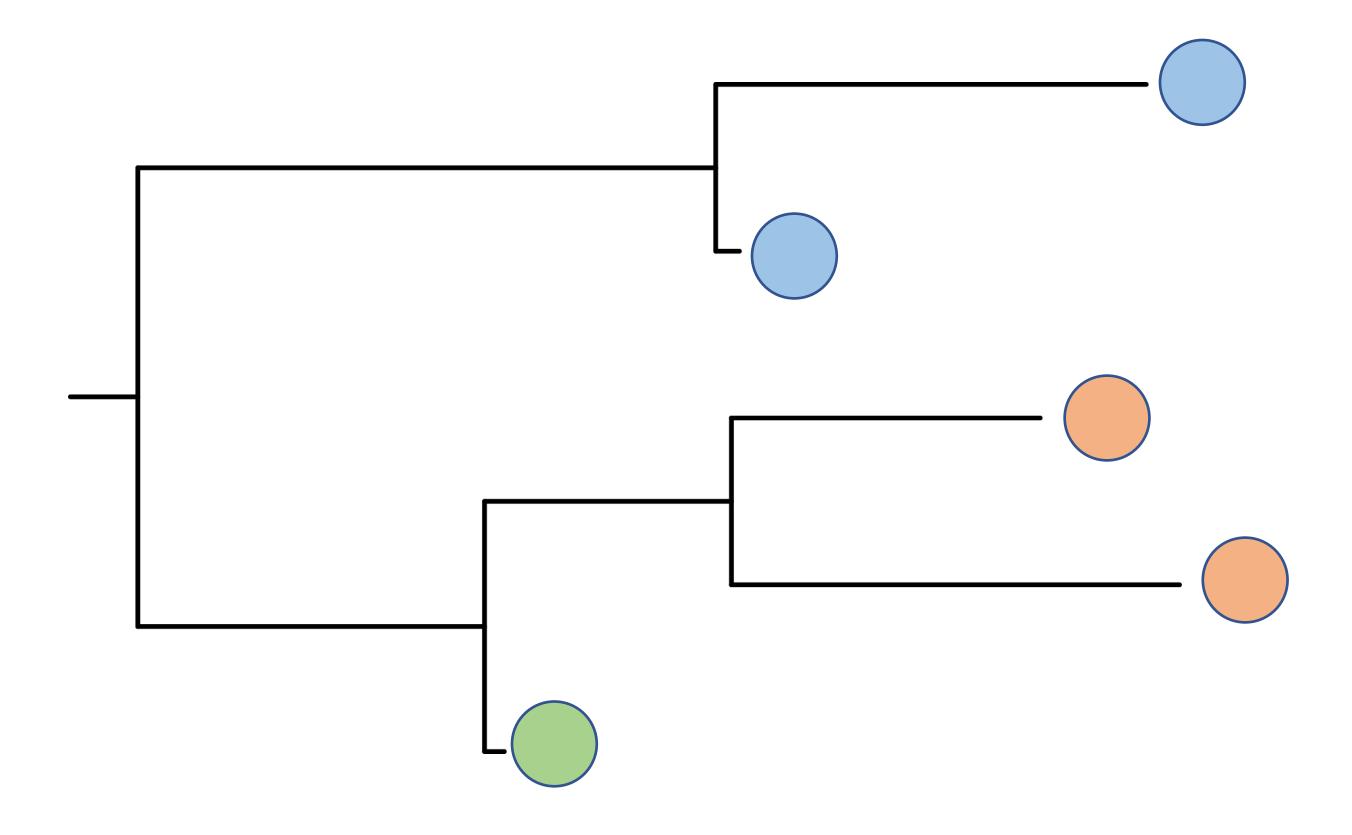
NEXTSTRAIN



Organisms acquire mutations

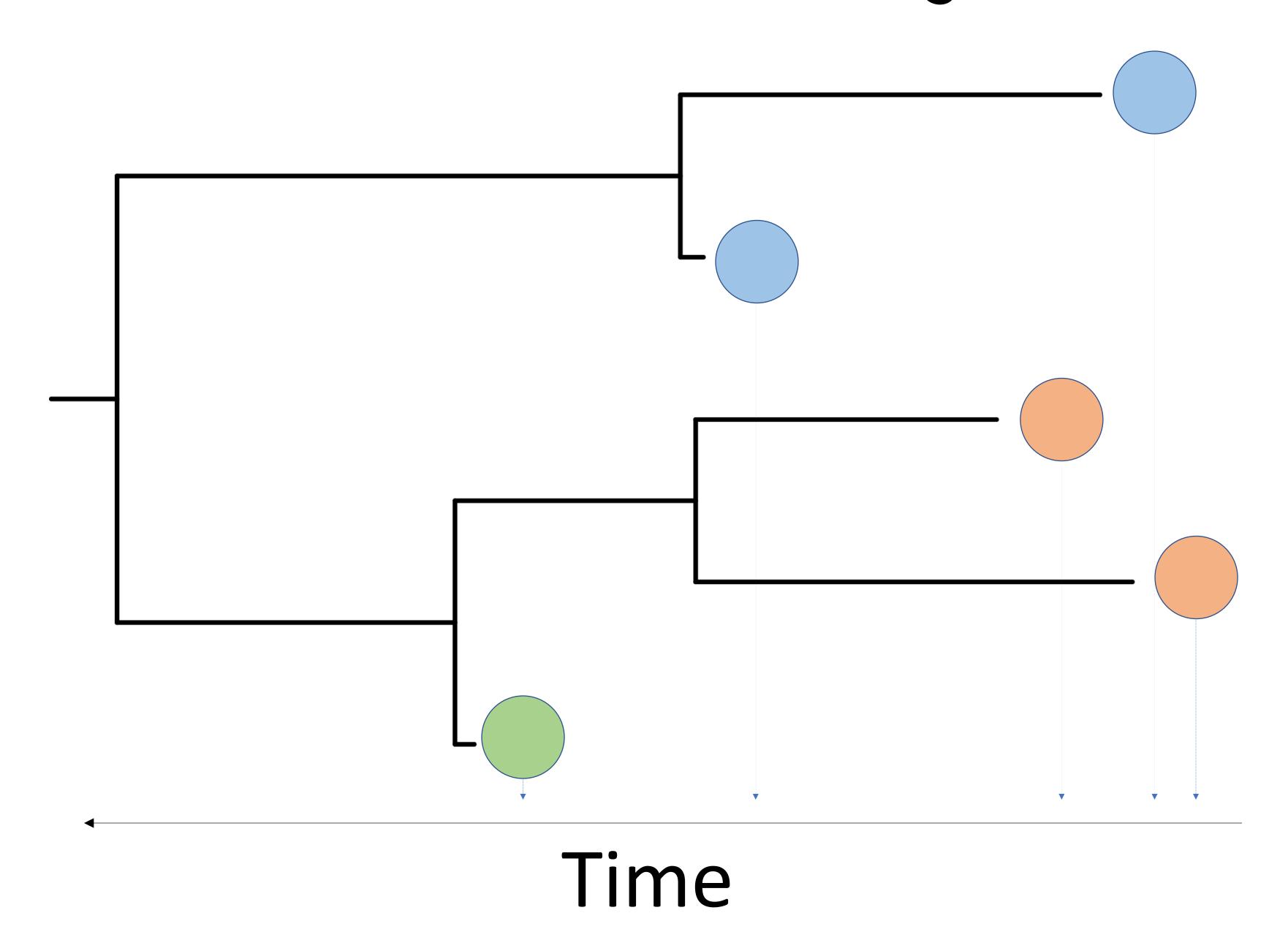


Phylogenetic trees reveal relationships



Genetic similarity

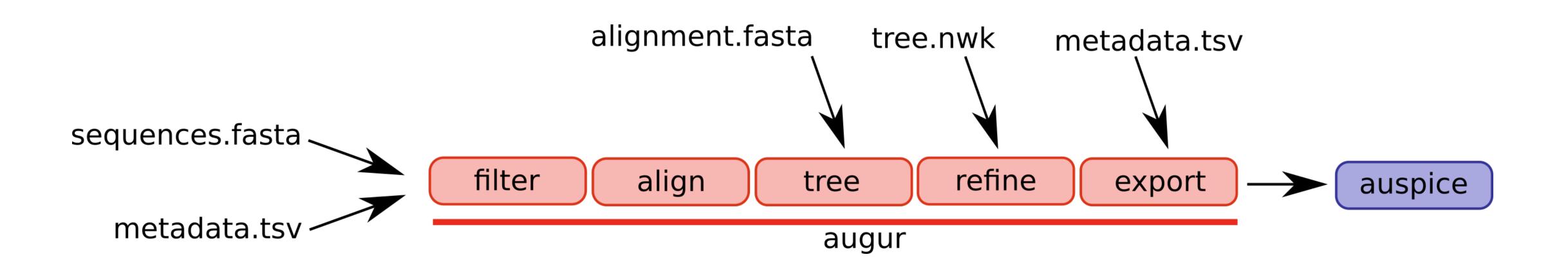
Trees reveal timing



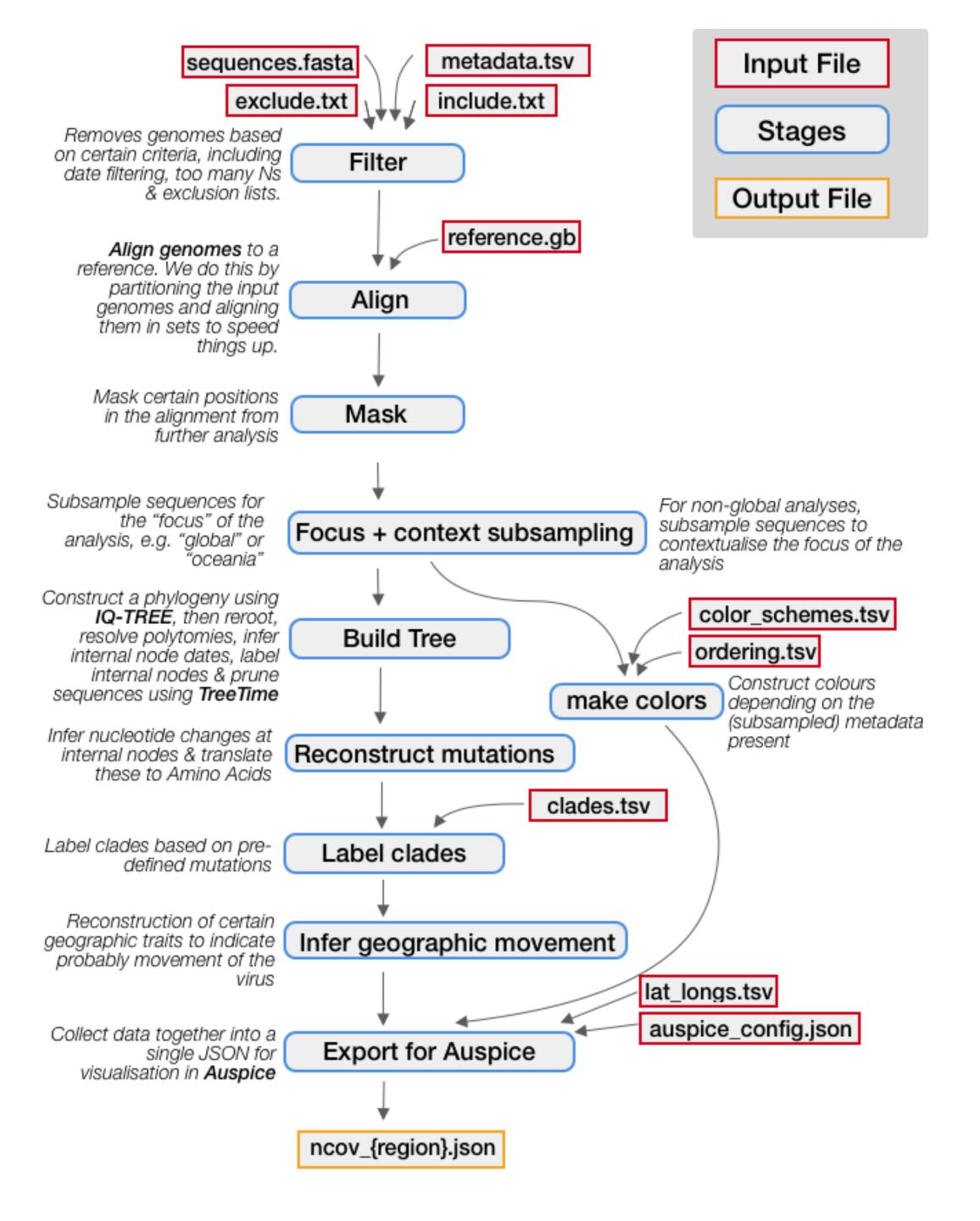


- Ecosystem for performing sampling, alignment, and tree building
- Sort of a "quick and fast" way of performing genomic epidemiology
- Allows for the contextualization of sequencing data
- Easily updatable and customizable

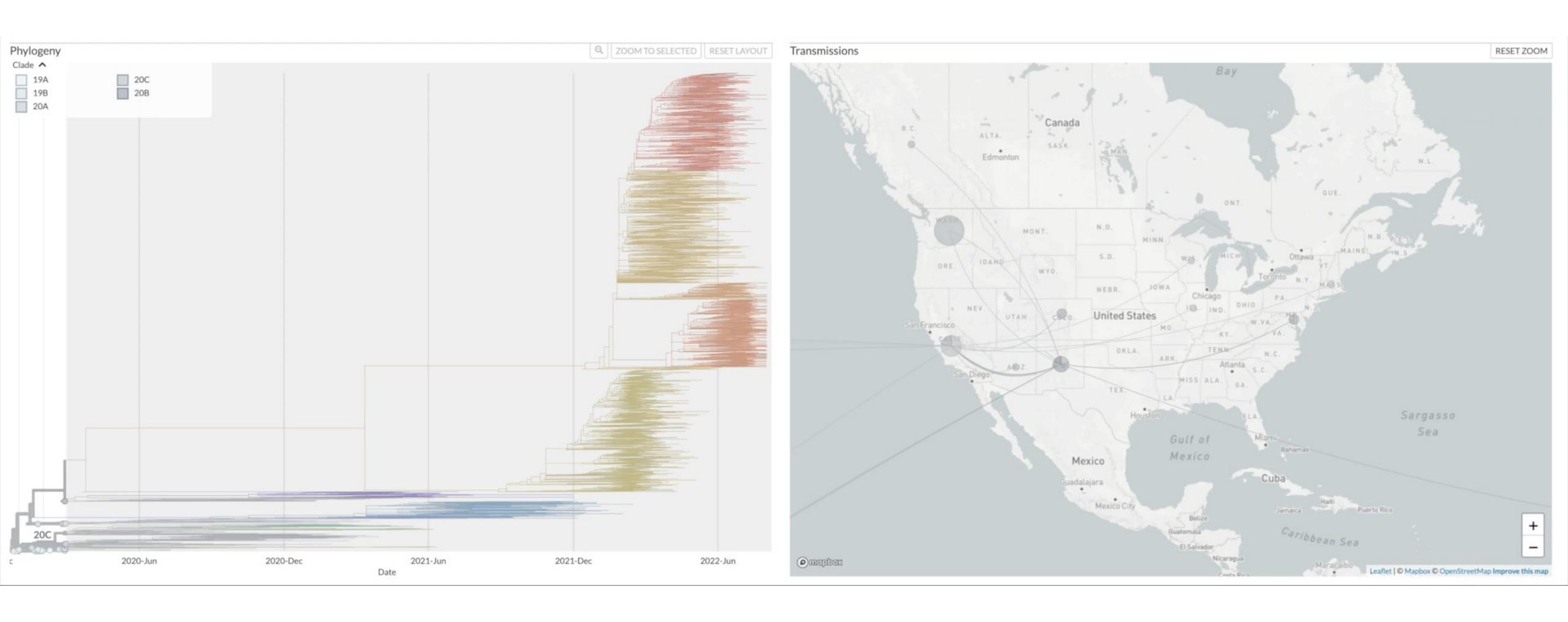
Nextstrain



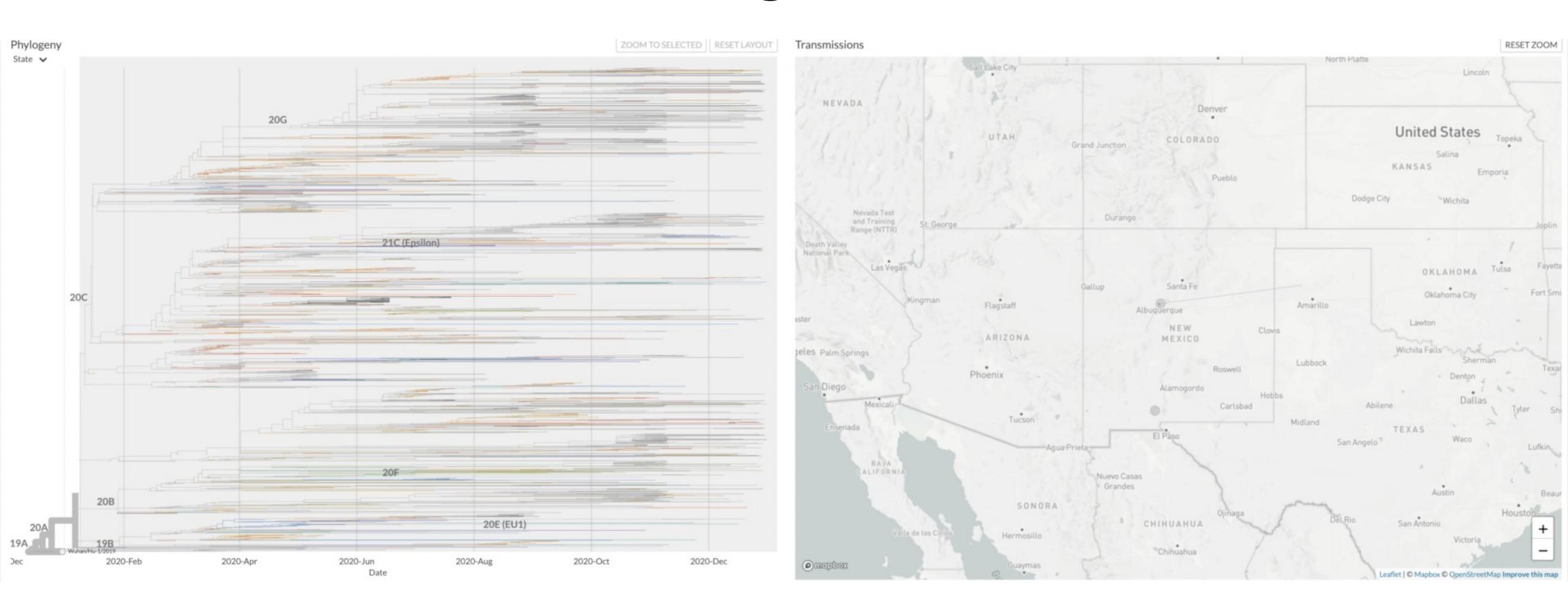
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Viral diversity over time



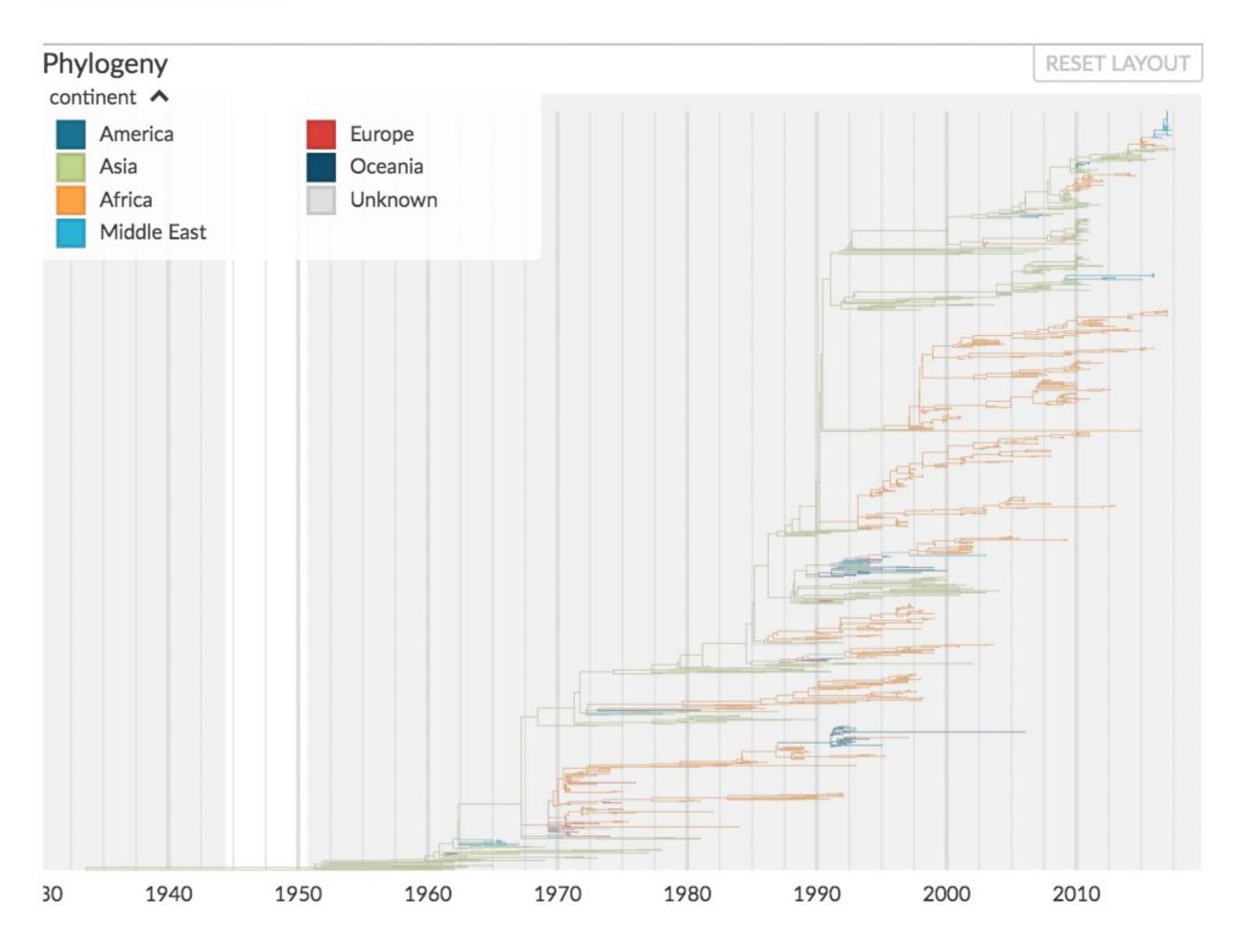
Define more fine grained geographic designations

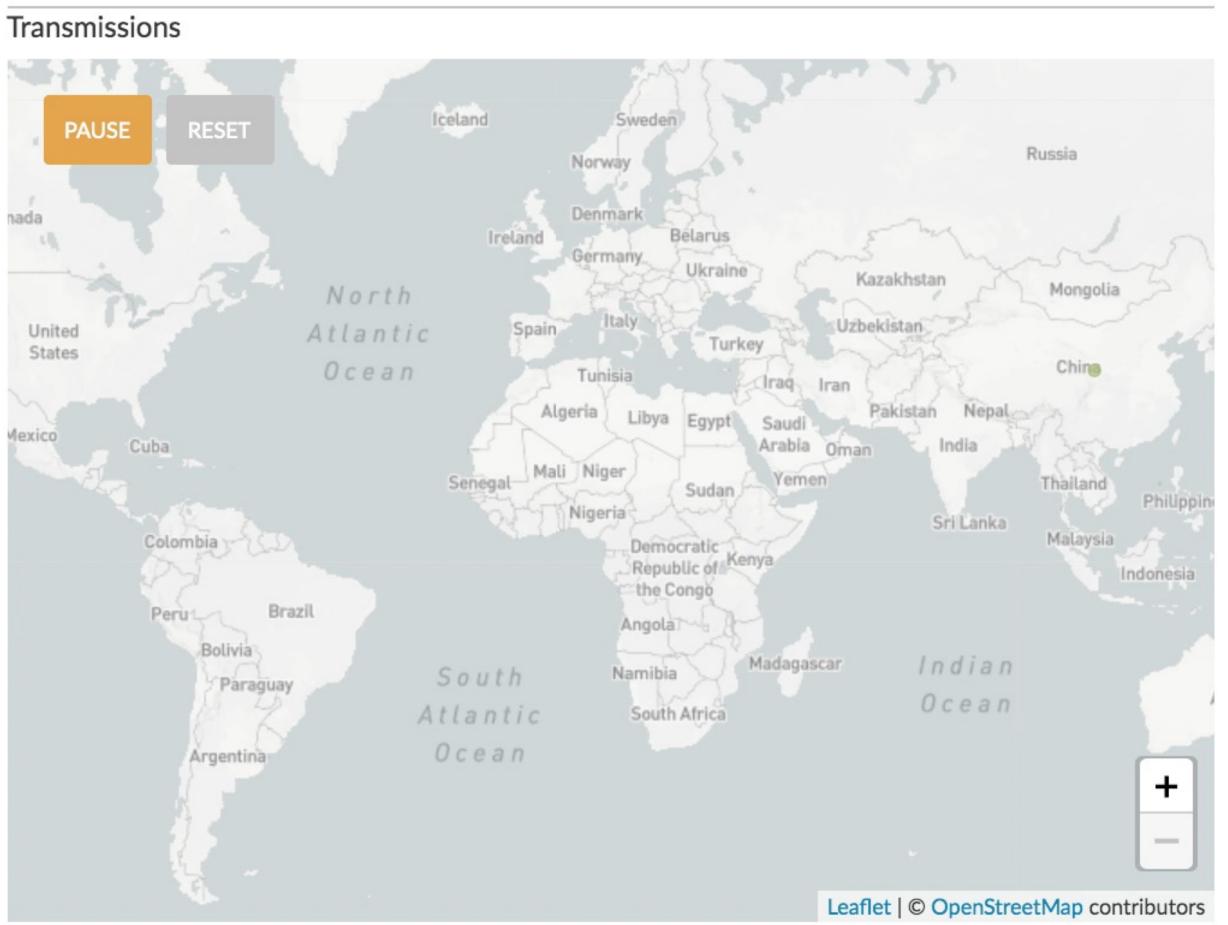


Global cholera dynamics

Cholera

Animation in progress.







Questions?