

Rigorous benchmarking of methods for SARS-CoV-2 lineage detection in wastewater

Bohdan Tyshchenko

Mentors:

Seghei Mangul (USC)

Sergey Knyazev (UCLA)

Alina Frolova (IMBG)



Mangul Lab

University of Southern California

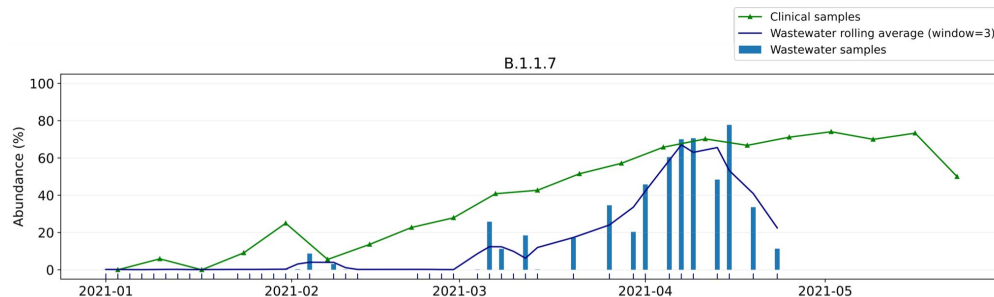
Wastewater analysis. Problem description and issues.

Successes:

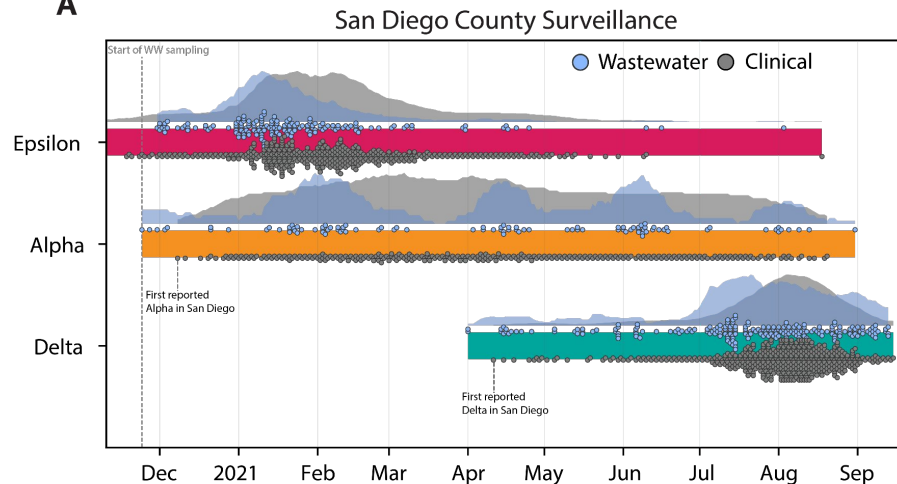
- Identifying trends in disease spread
- Early variant detection

Issues:

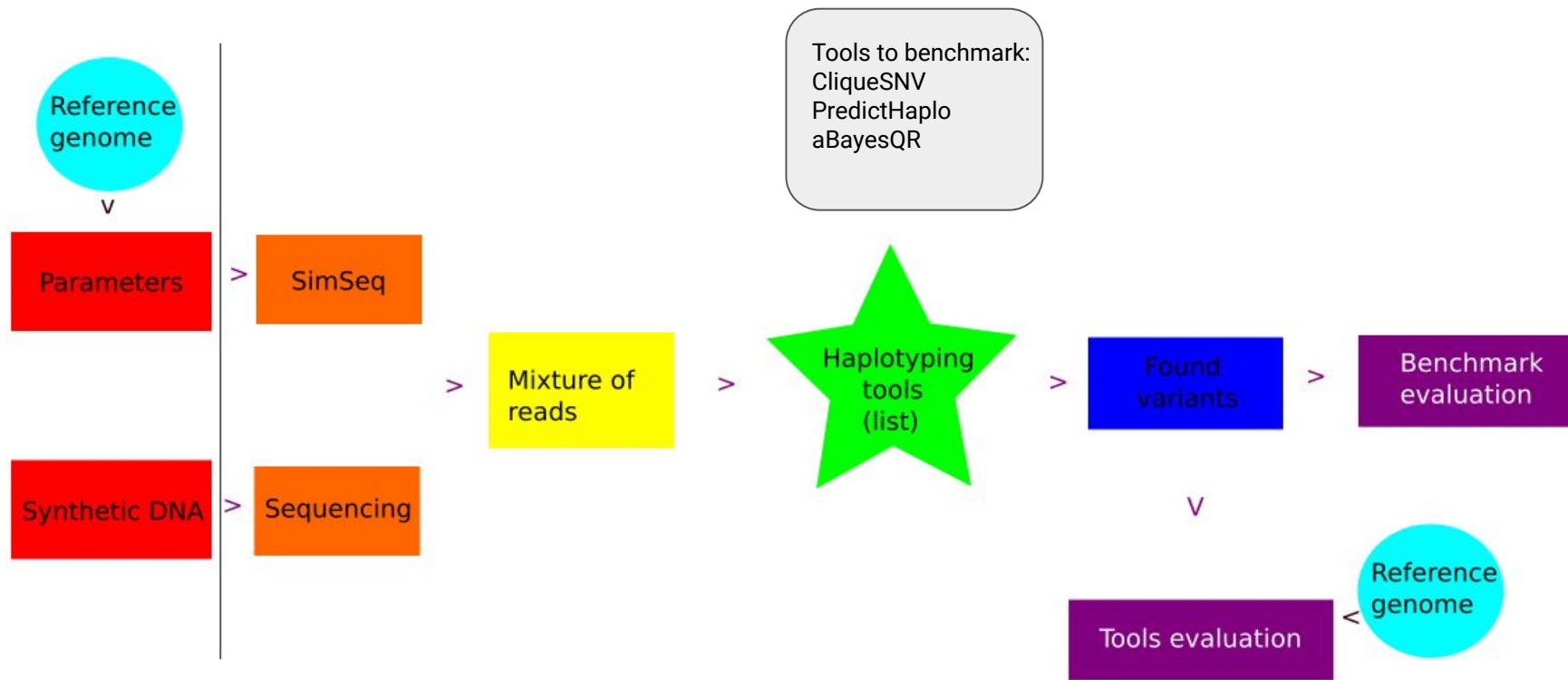
- Difficulties identifying lineages at low prevalence
- Rare lineages observed were not seen in clinical samples which means that rare lineages can be missed.
- Differences in sequencing protocols lead to different results.



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Proposed plan



Progress

- We generated benchmarking mixtures
- Benchmarked CliqueSNV