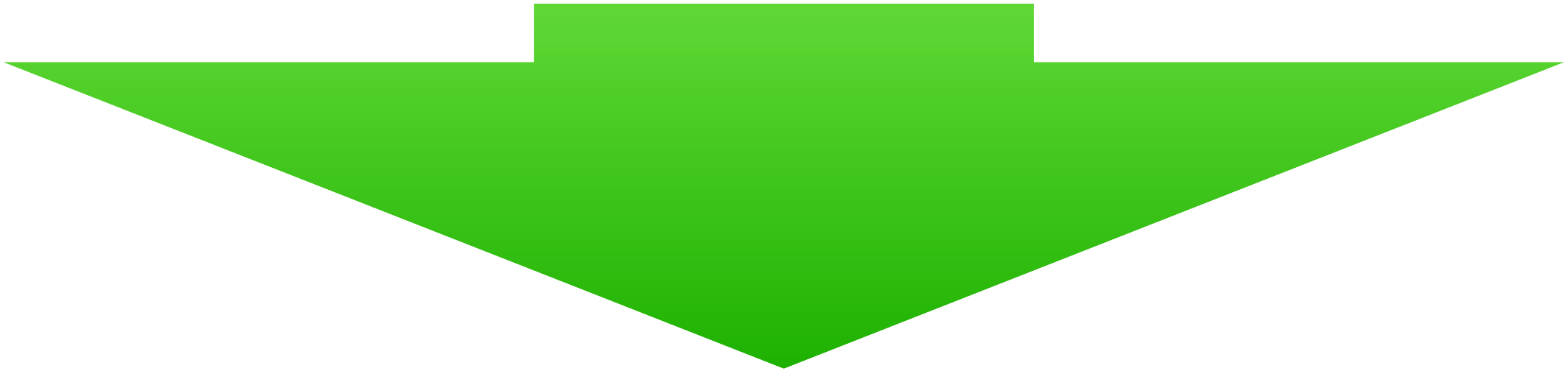


December 2019

November 2020

May 2021



“Neutral”
evolution

- Up to Oct 2020, the evolution of SARS-CoV-2 in humans follows a mostly neutral pattern

• Naive hosts \Rightarrow lack selective pressure

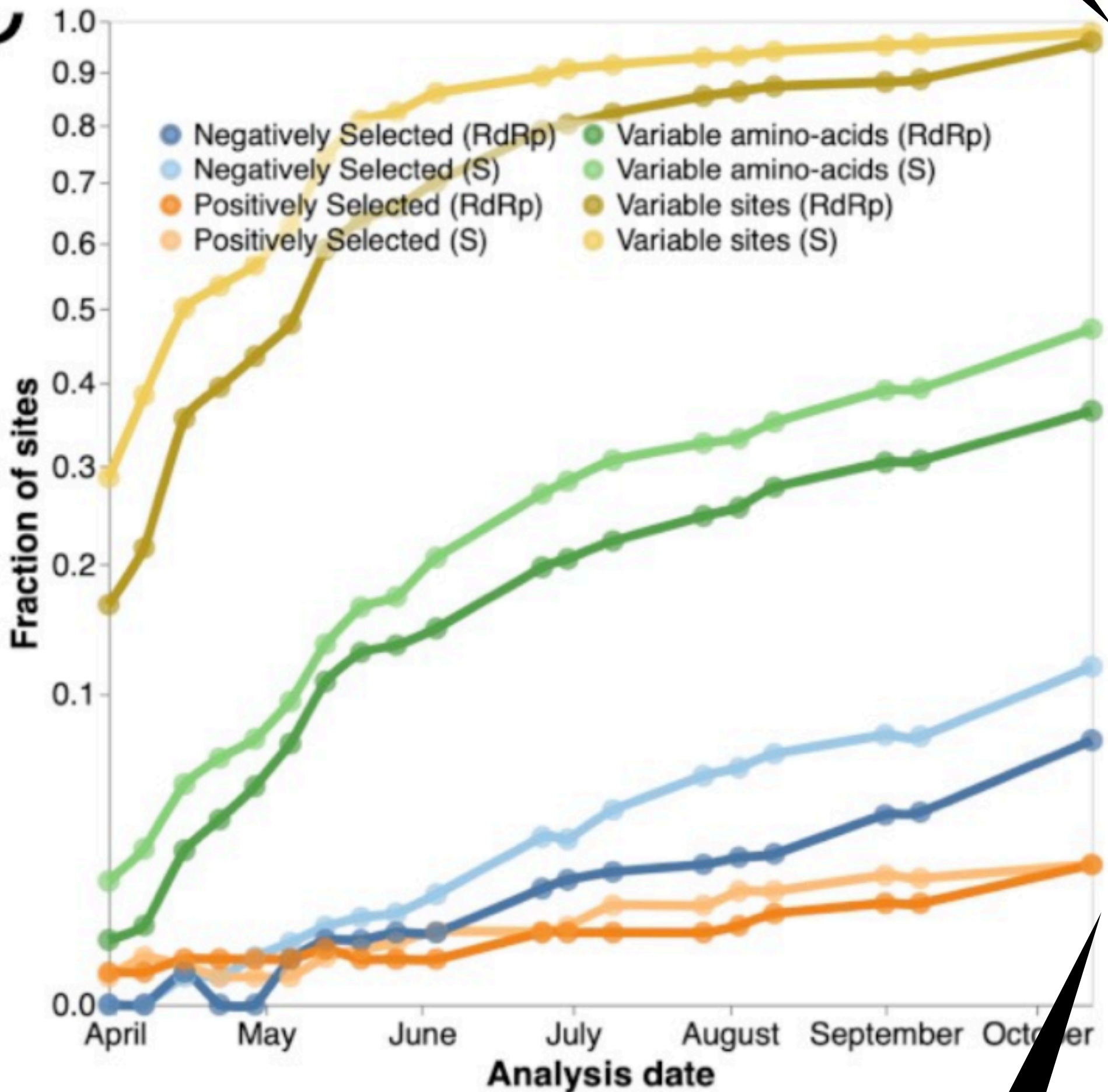
- **Relatively lack of meaningful diversity**

- Only a few sites exhibit signal for positive selection (~150,000 GISAID sequences)

Mechanism of SARS-CoV-2 infection

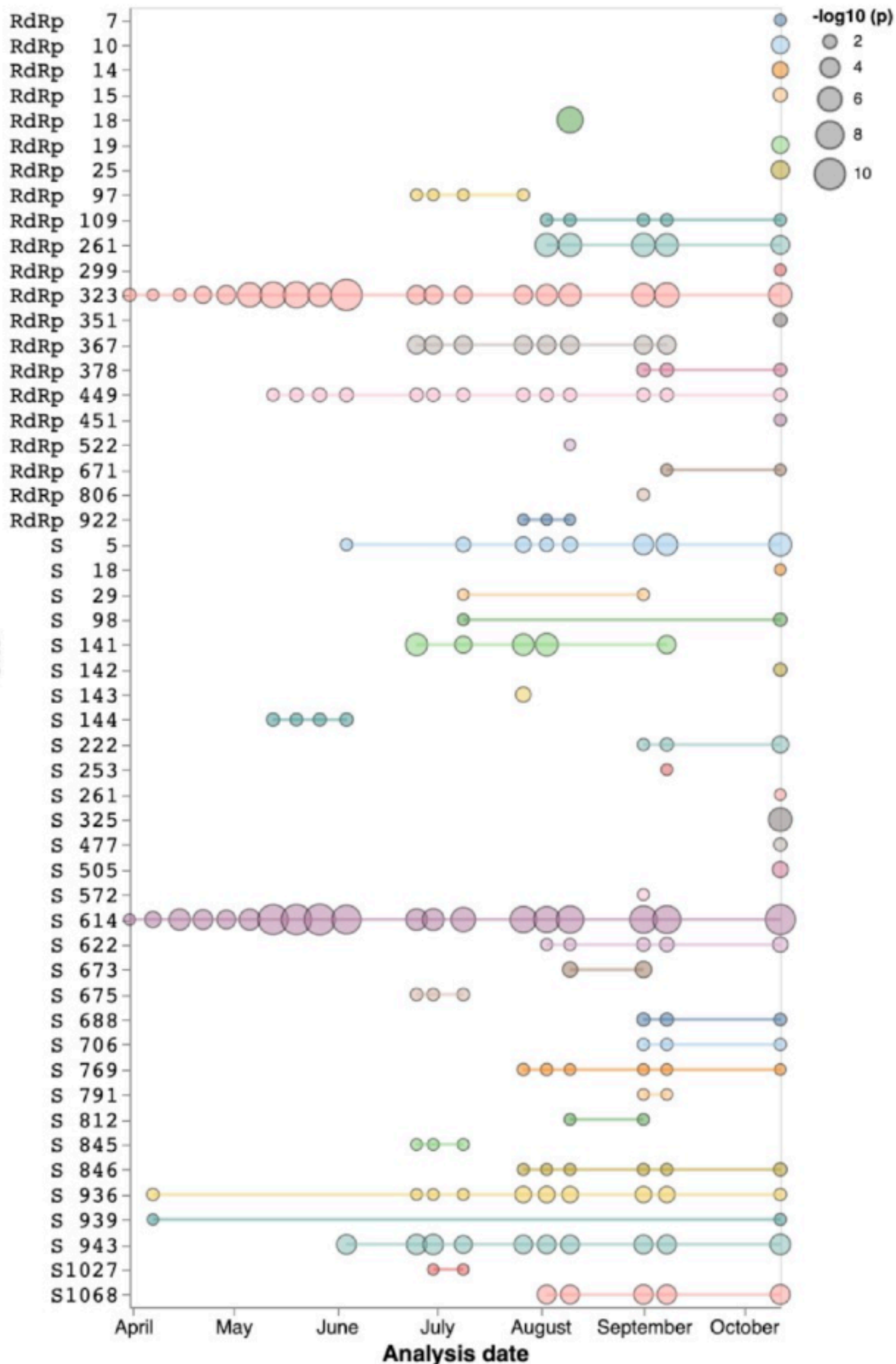
Lots of “raw” variation

C



Little “informative” variation

Site



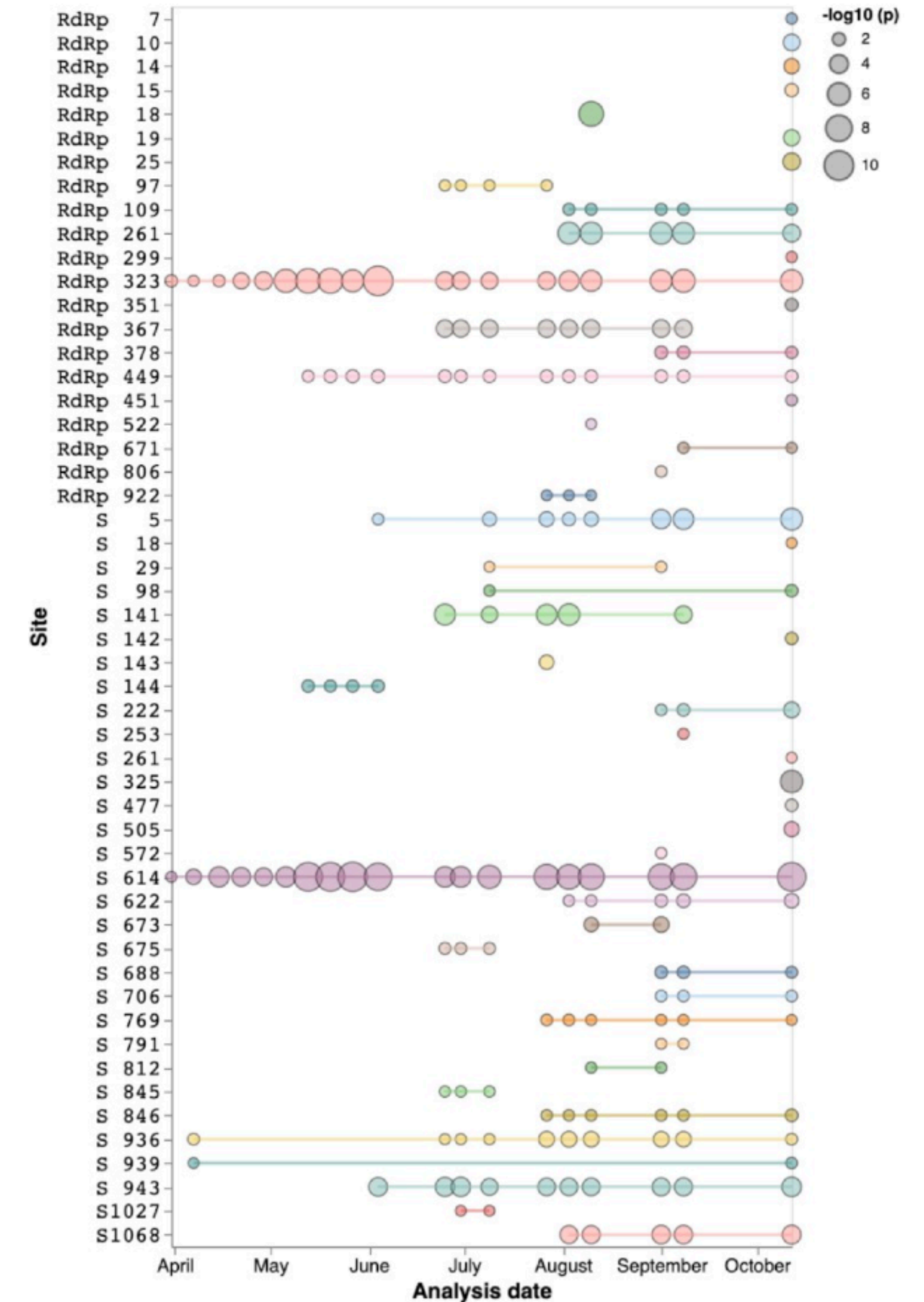
December 2019

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“Neutral”
evolution

- Up to Oct 2020, the evolution of SARS-CoV-2 in humans follows a mostly neutral pattern
- Naive hosts=>lack of selective pressure
- Relative lack of meaningful diversity
- Only a few sites exhibit signal for positive selection (~150,000 GISAID sequences)



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