

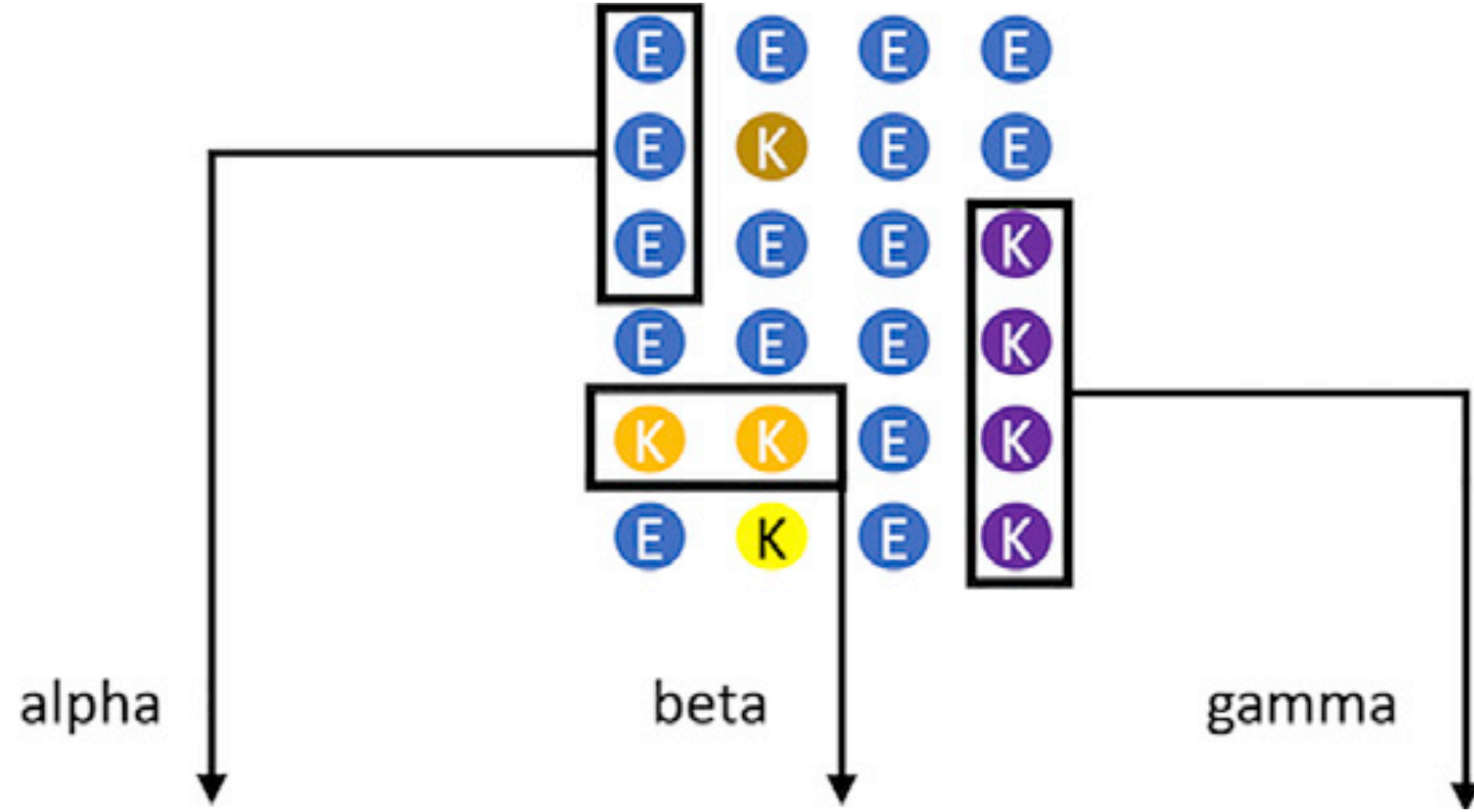


December 2019

November 2020

May 2021

Martin et al., 2021, Cell 184, 5189–5200 The emerging and evolving SARS-CoV-2 N501Y lineage



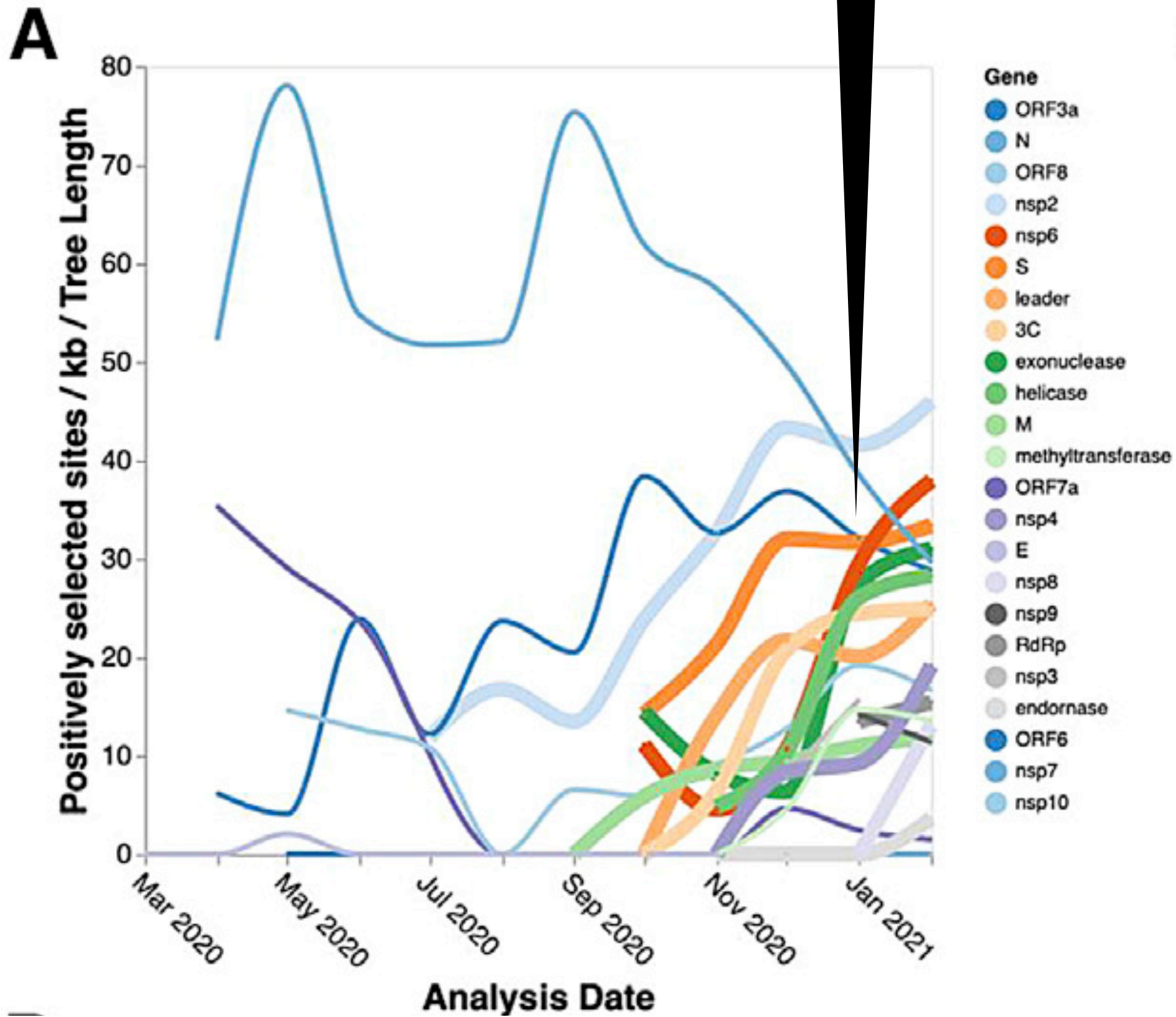
November 2020:

An excess of independent mutations (note different colours) that change the encoded amino acid at this site triggers a positive selection signal

December 2020

Discovery of the alpha, beta and gamma lineages. It is apparent that K is favoured over E at this site

Ramp-up in selective pressure



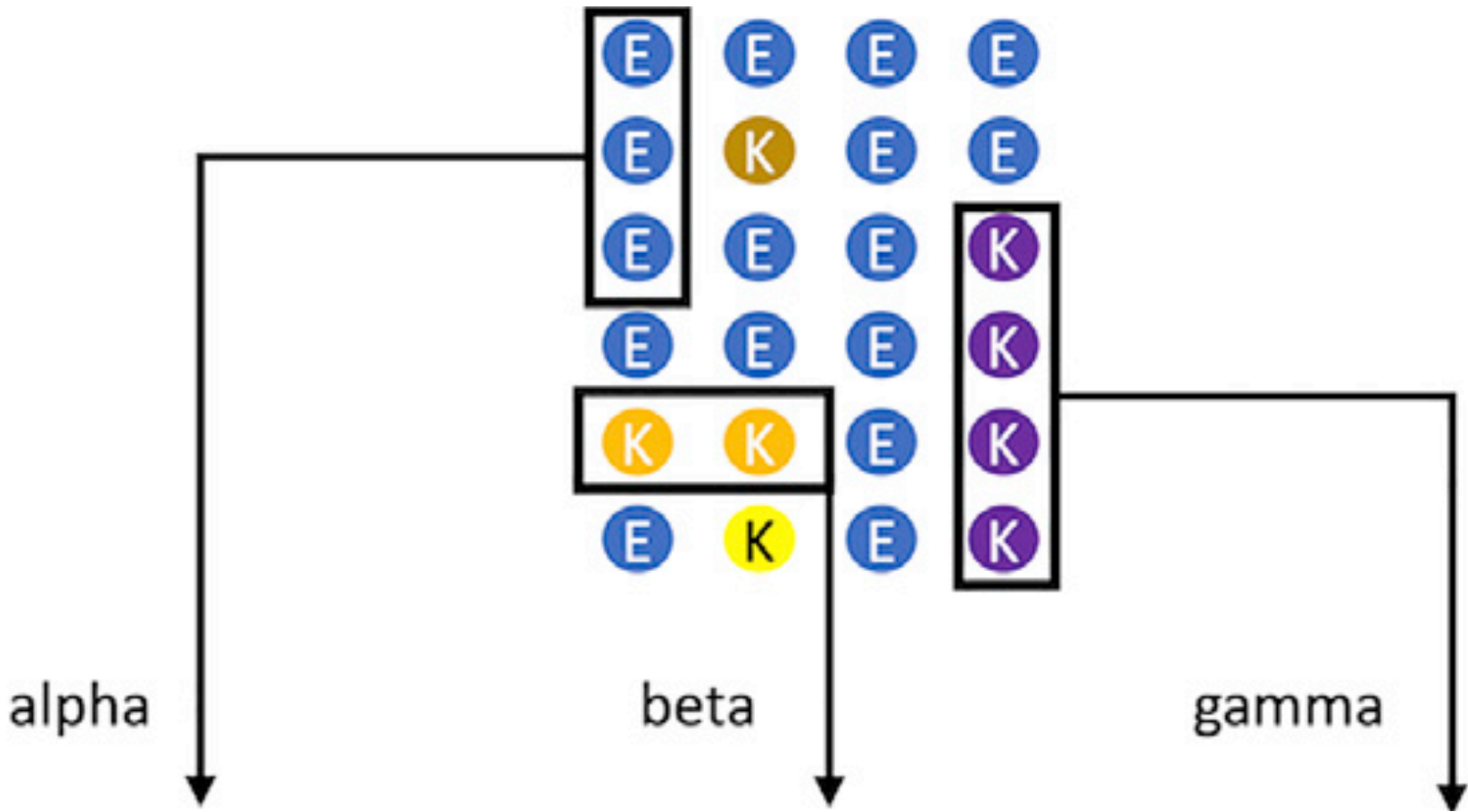
December 2019

November 2020

May 2021

Selective shift,
501Y VOC

Ramp-up in selective pressure



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