

Supplementary material

Supplemental Table 1. Genbank accession number list of SARS-CoV-2 genome sequences from 4230 variants

America											Asia		Oceania		Europe	Africa
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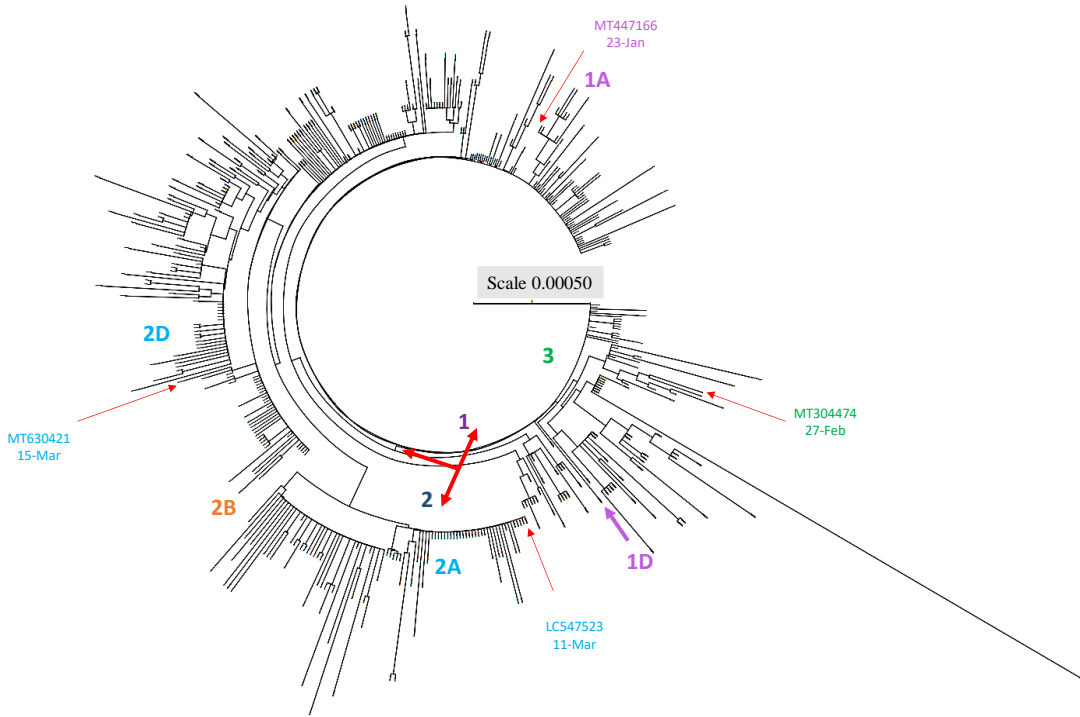
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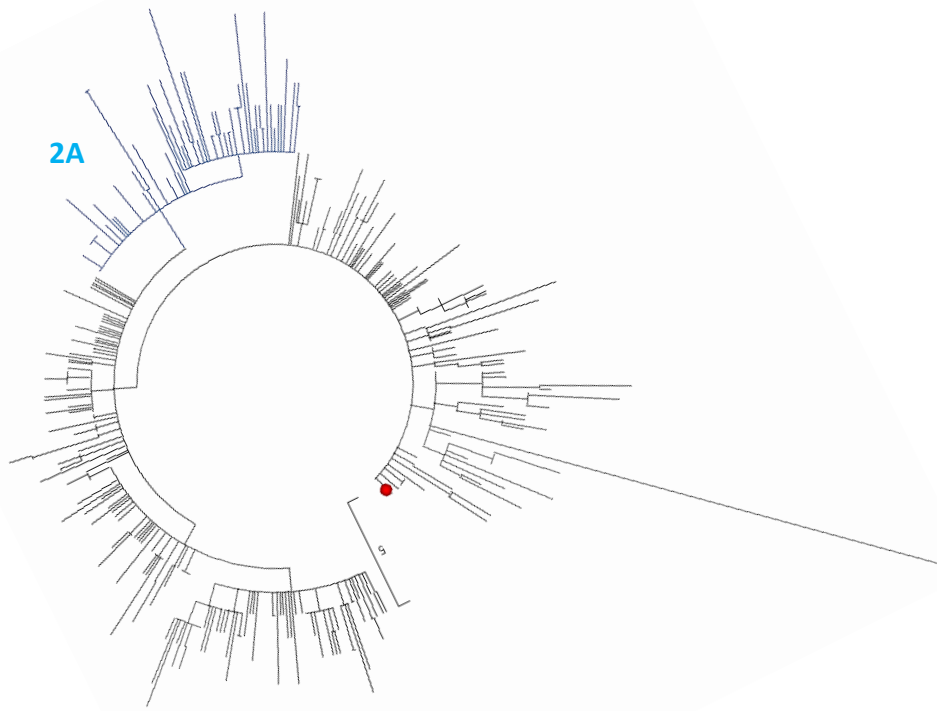
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A.

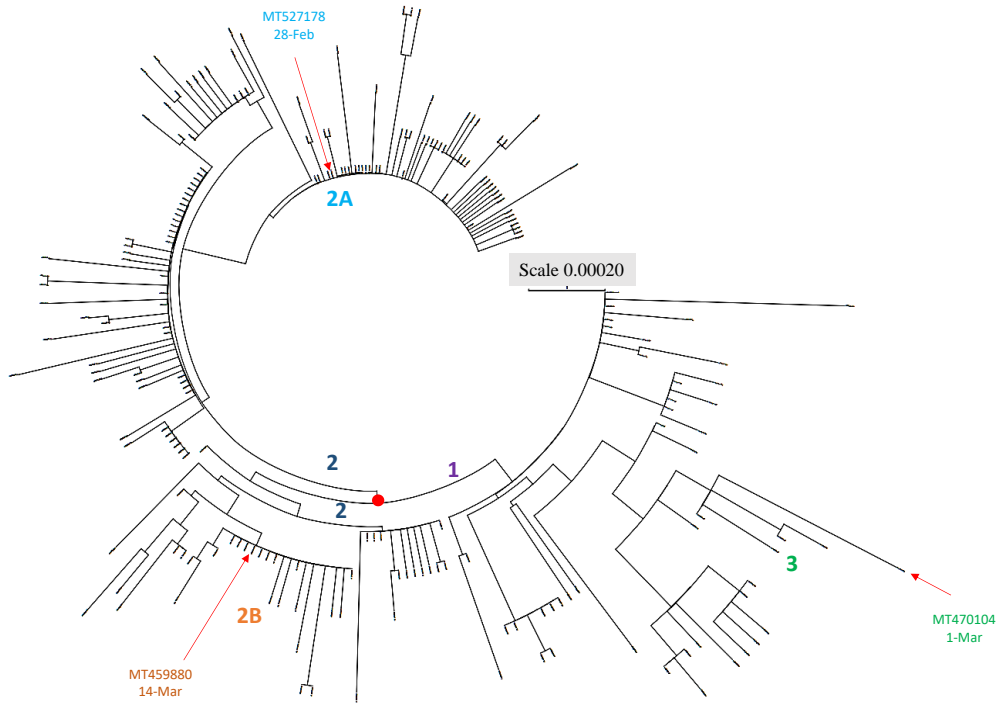


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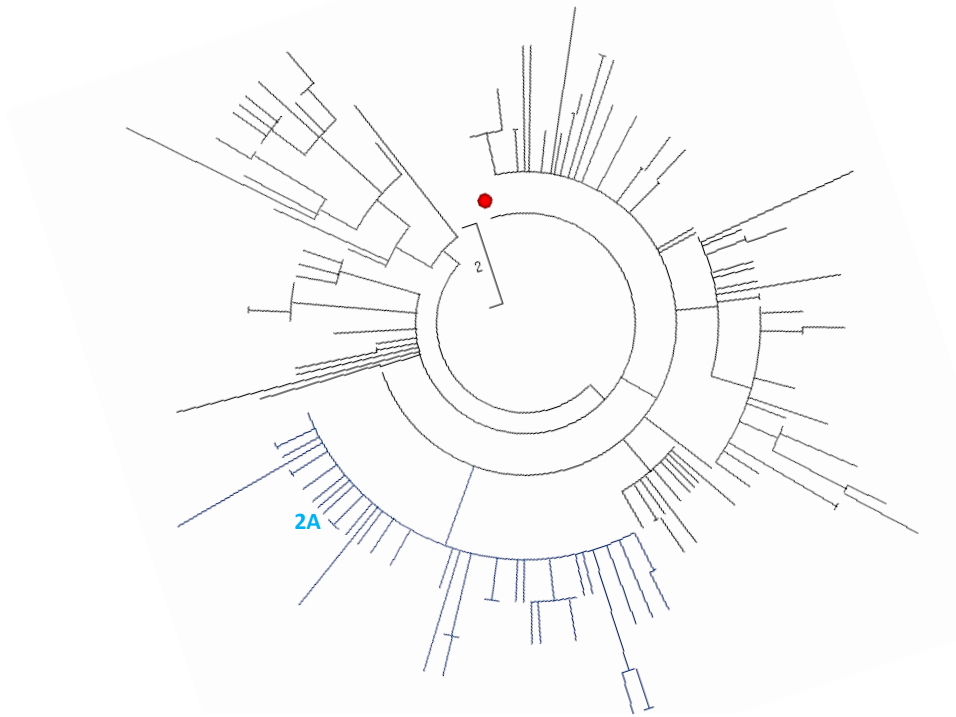


Supplemental Figure 1. Phylogenetic tree of 440 SARS-CoV-2 genome sequences from Asia variants. Phylogeny of SARS-CoV-2 lineages in Asia construct with Maximum Composite Likelihood distance by Neighbor-Joining tree from MEGA CC (A). The evolutionary history was inferred using the Maximum Parsimony method for analysis (B). The first strain by date and country from each clade and subclade was collected that showed in the same color with each group in Figure 2A. Sub-haplogroup 2A containing 83 Asia strains was marked in light blue that conserved with the same topology in phylogeny construct by Neighbor-Joining in Supplemental Figure 1A.

A.

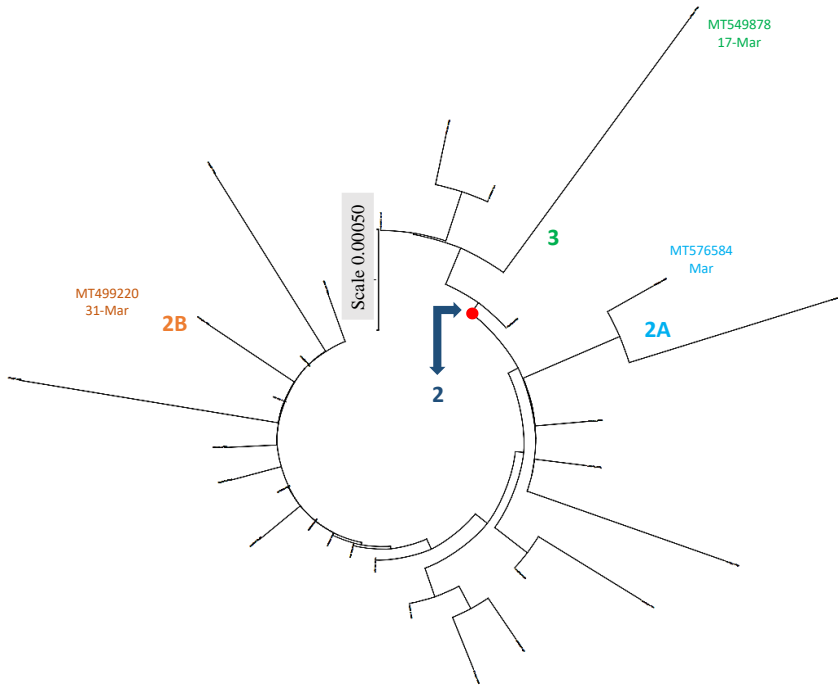


B.

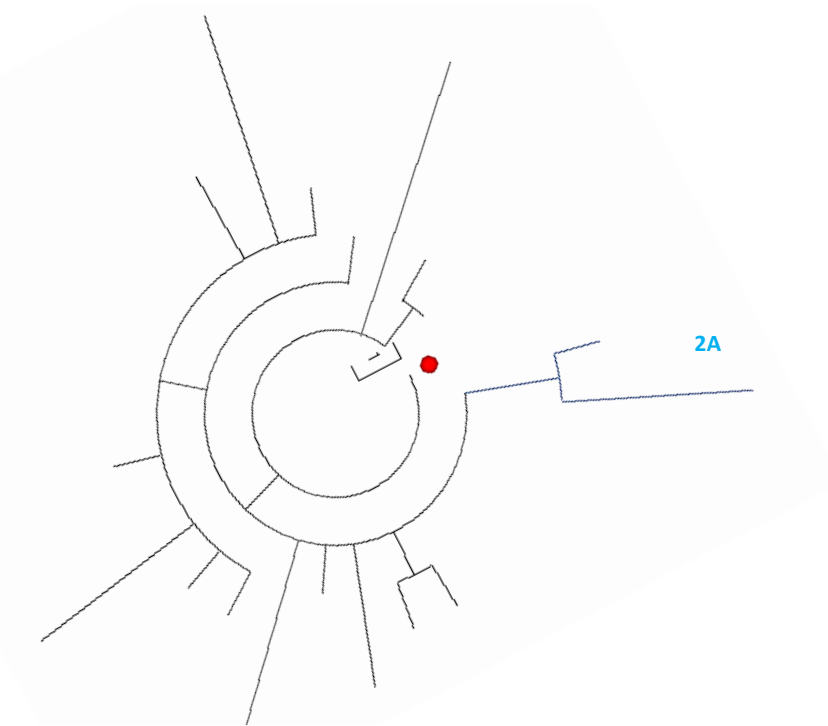


Supplemental Figure 2. Phylogenetic tree of 212 SARS-CoV-2 genome sequences from Europe variants. Phylogeny of SARS-CoV-2 lineages in Europe construct with Maximum Composite Likelihood distance by Neighbor-Joining tree from MEGA CC (A). The evolutionary history was inferred using the Maximum Parsimony method for analysis (B). The first strain by date and country from each Clade and Subclade was collected that showed in the same color with each group in Figure 2A. Sub-haplogroup 2A containing 63 SARS-CoV-2 variants collected in Europe was marked in light blue to compare with the topology in Neighbor-Joining data in Supplemental Figure 2A.

A.



B.



Supplemental Figure 3. Phylogenetic tree of 29 SARS-CoV-2 genome sequences from Africa variants. Phylogeny of SARS-CoV-2 lineages in Africa construct with Maximum Composite Likelihood distance by Neighbor-Joining tree from MEGA CC (A). The evolutionary history was inferred using the Maximum Parsimony method for analysis (B). The first strain by date and country from each clade and subclade was collected that showed in the same color with each group in Figure 2A. The subclade 2A was separated in a branch, as marked in light blue color.