

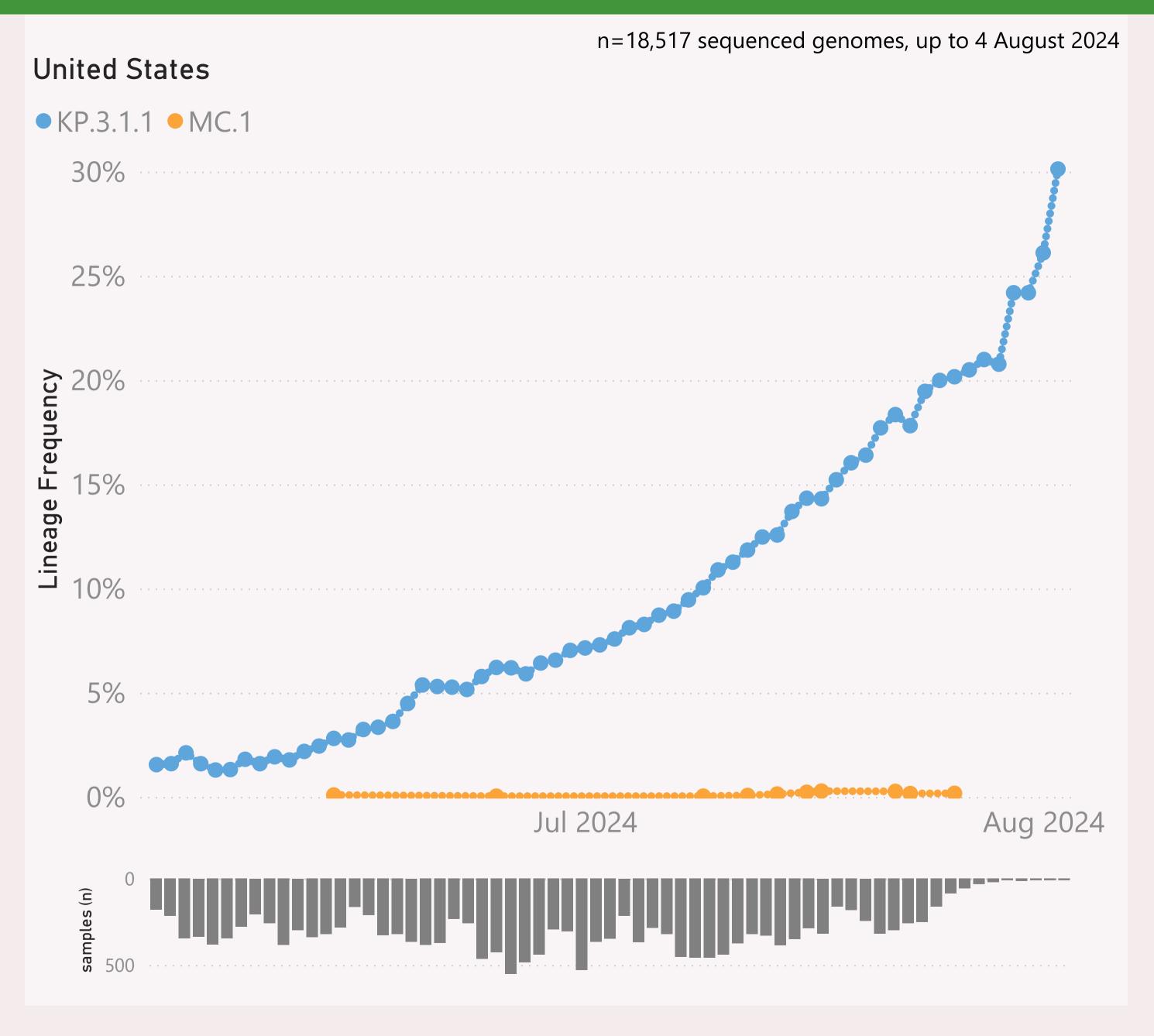
This page shows the frequency of the top 7 "L2" lineages, across recent months.

The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "BA.2.86.*" group includes BA.2.86 and all it's descendants, e.g. the JN.* lineages.

The detailed Lineage classifications are quite numerous and dynamic, so the "Lineage L2" groups give a simpler and more stable basis for analysis and comparison.

The frequency shown at each point is based on the 7-day rolling average across all lineages.

The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

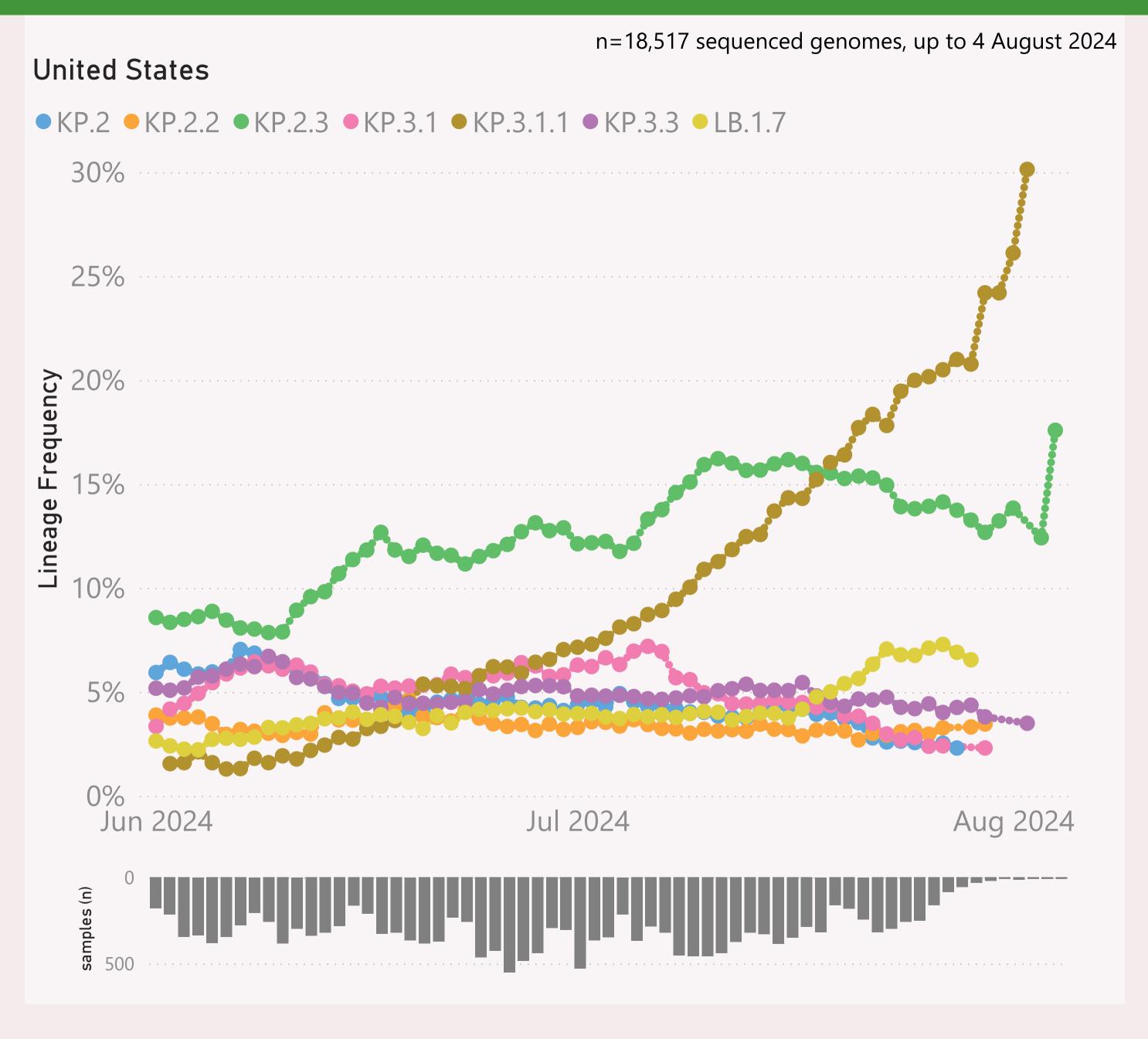


This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently "JN.1.* + DeFLuQE".

The Lineage classifications are provided by Nextclade. The colour assignments are random.

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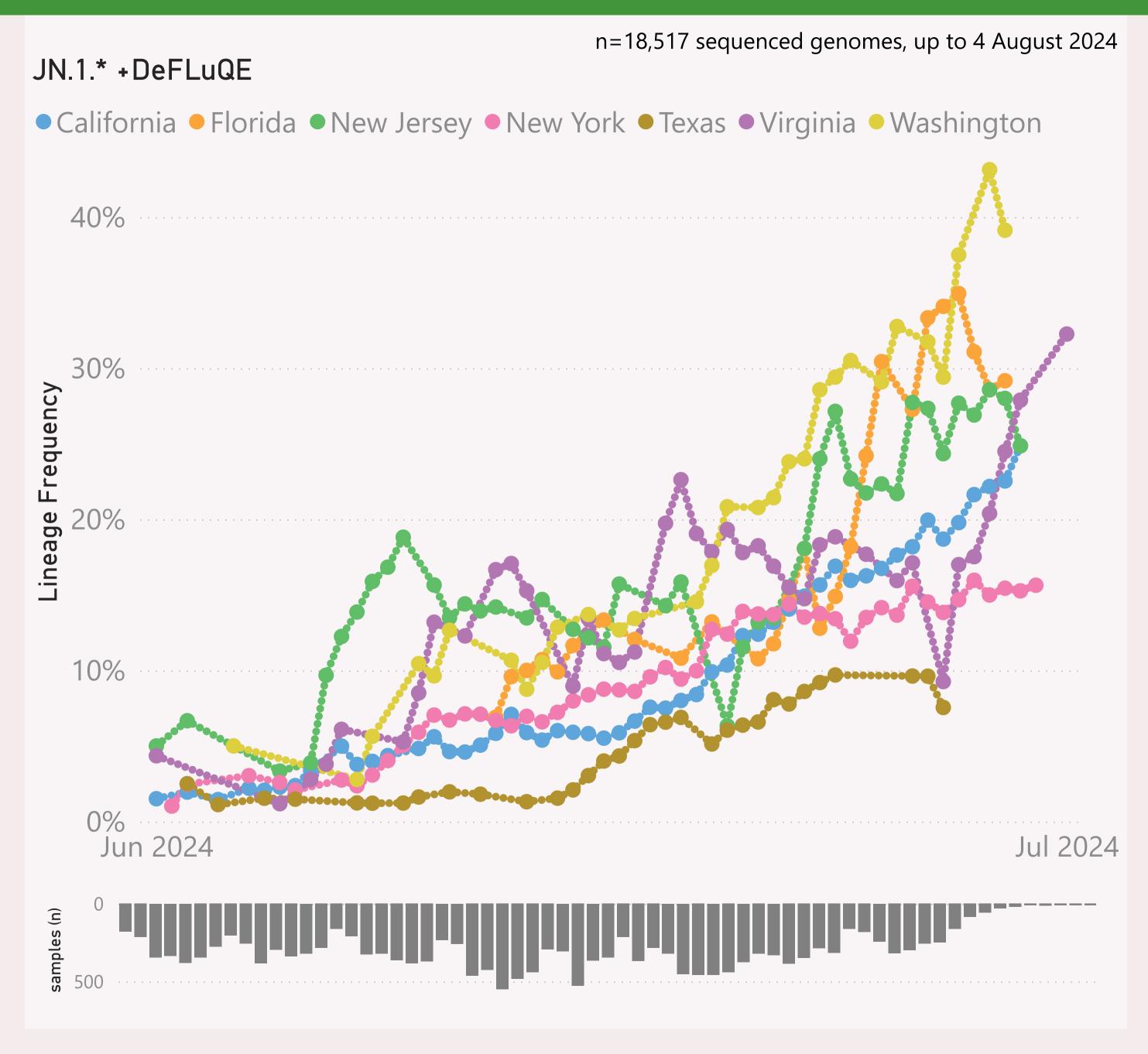


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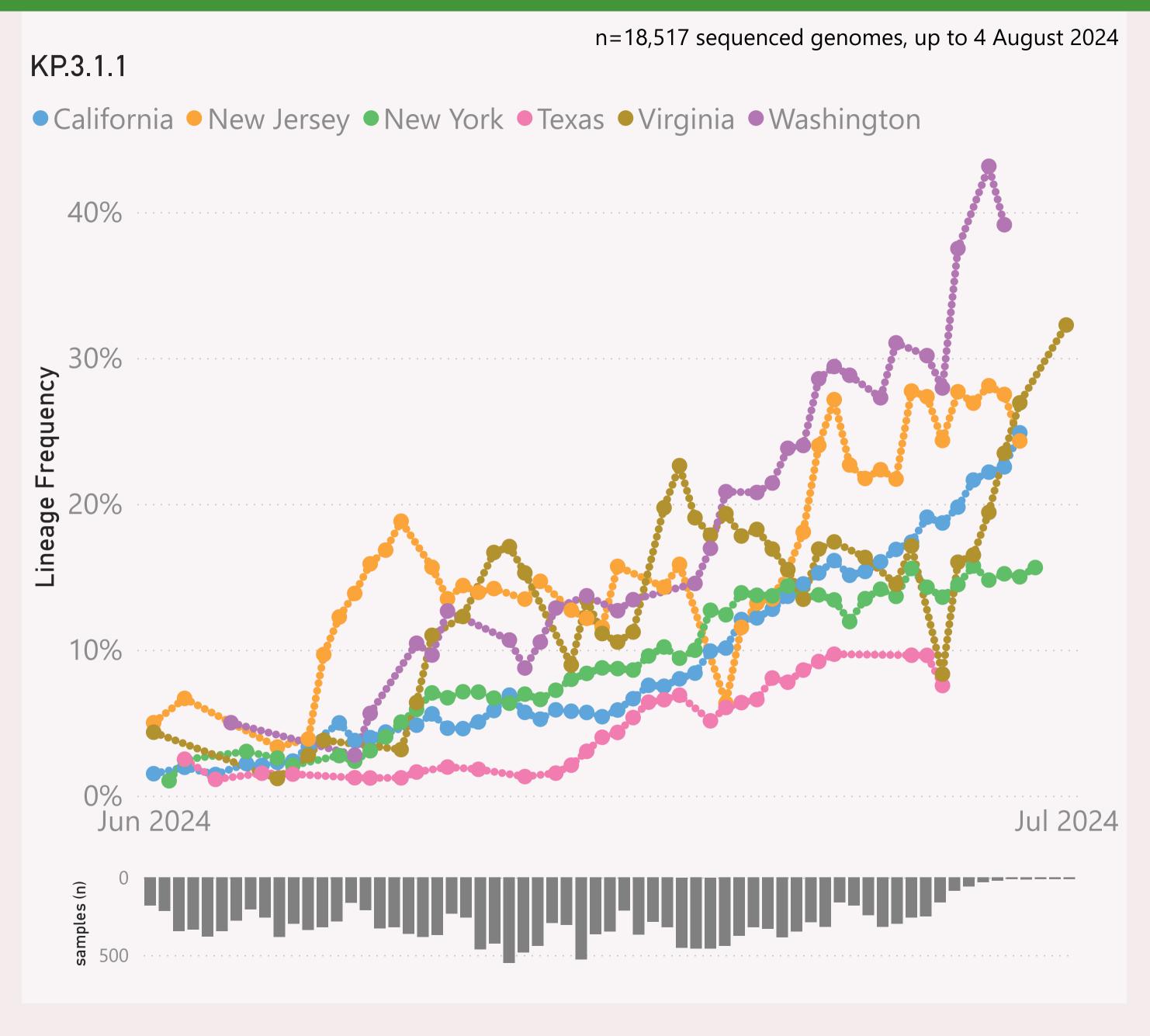


This page shows the frequency of a selected "Lineage L2" group of interest, across the leading States, over recent months.

The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "BA.2.86.*" group includes BA.2.86 and all it's descendants, e.g. the JN.* lineages.

The frequency shown at each point is based on the 7-day rolling average across all lineages, for that state.

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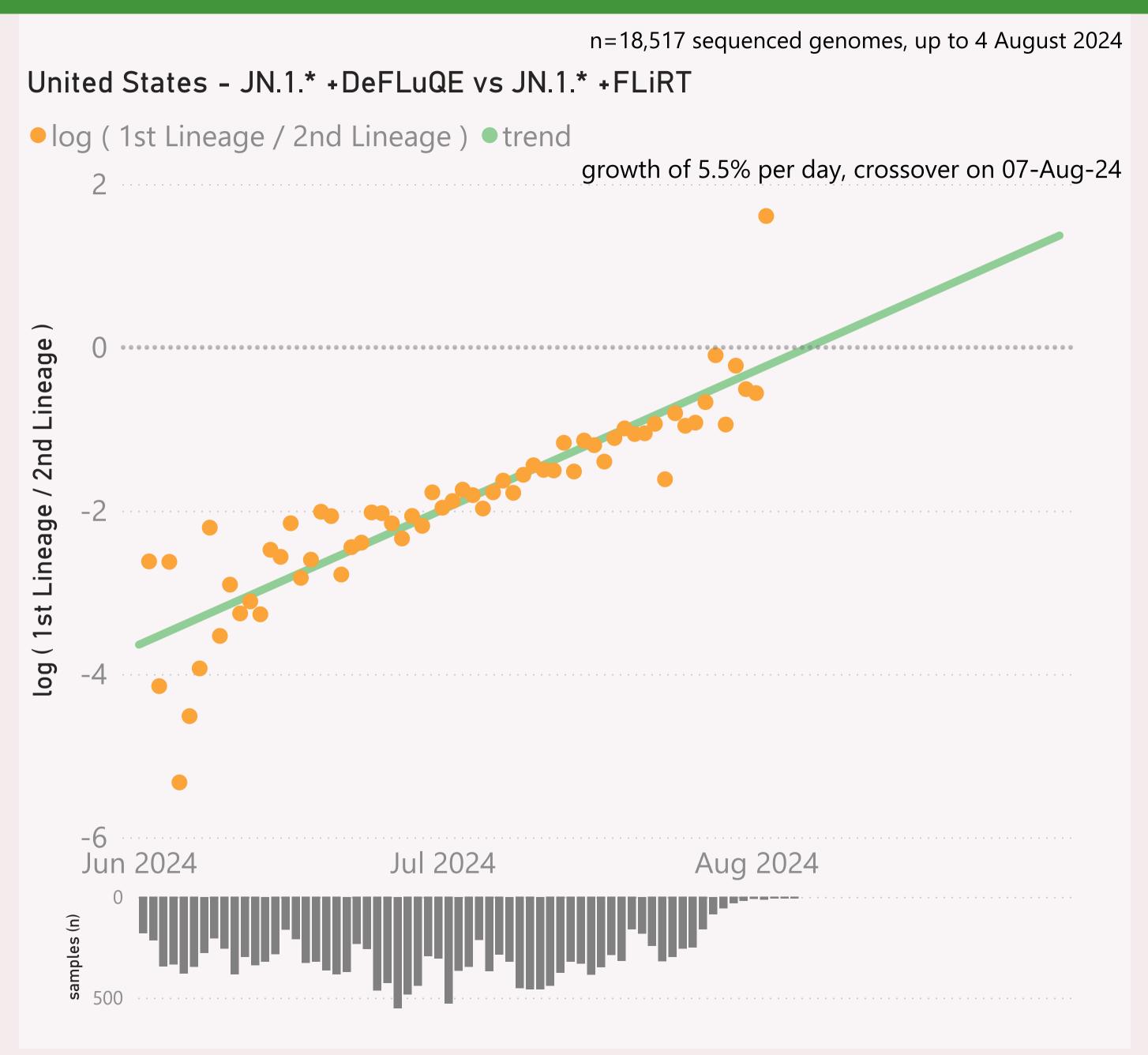


This page shows the frequency of a selected Lineage of interest, across the leading States, over recent months.

The Lineage classifications are provided by Nextclade.

The frequency shown at each point is based on the 7-day rolling average across all lineages, for that state.

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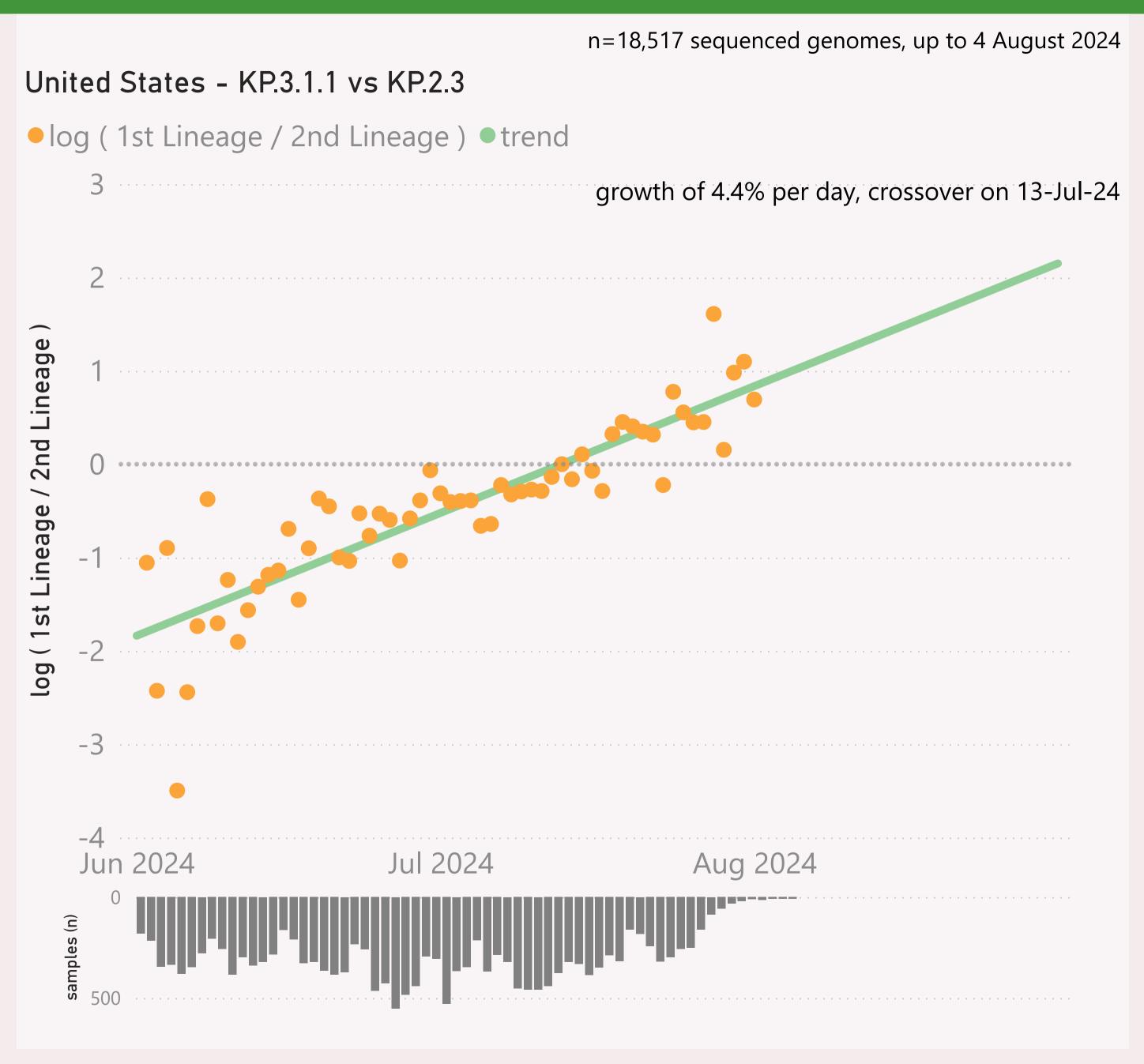


This page compares the relative frequency of 2 selected "Lineage L2" groups, over recent months. A challenging Lineage L2 is selected first, and compared to the incumbent.

The trend is shown as a green line and expressed as a daily growth % advantage. If the green line crosses over the 0.0 line, the date when that occurred or is predicted to occur will be shown. At that point the challenging Lineage L2 is considered to have "crossed over" or taken over dominance from the incumbent Lineage L2.

The Lineage classifications are provided by Nextclade. I add the "Lineage L2" groups, typically following common variant groupings, but occasionally being "creative".

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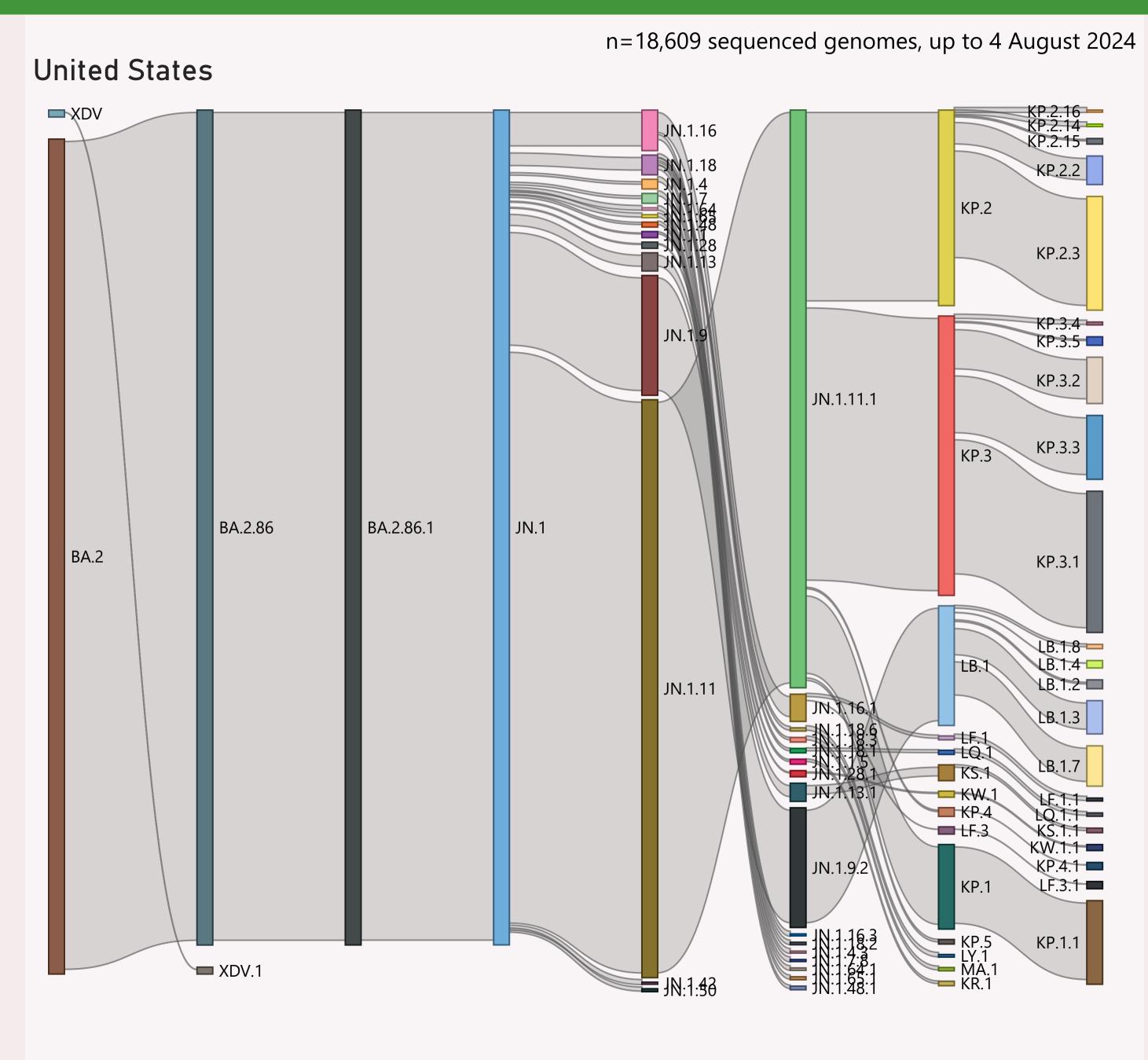


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This page shows the hierarchy of the significant Lineages, over recent months.

The hierarchy can be read from left to right, starting with the earliest/highest Lineages being broken down into more detailed child Lineages.

The vertical height of each bar segment represents the relative volume of all the samples of that specific Lineage, as well as all it's descendants.

The full picture is typically quite busy, so insignificant Lineages (with few samples, or at the extreme top or bottom of the hierarchy) are not shown.

The Lineage classifications are provided by Nextclade.

Data Submitted in the last 8 weeks

Country	# Samples Sequenced	Latest Collection date	by Collection date	Latest Submission date	by Submission date
□ United States	25,503	04/08/2024		06/08/2024	والمرافق المراجع بالمراجع المراجع
California	5,686	29/07/2024		06/08/2024	البالم وفالم وموال والماد
New York	3,399	29/07/2024	الأراه والريب والمساور والمساور	06/08/2024	أراعا المارين والراعات
Texas	2,896	23/07/2024	10.00 a.s	06/08/2024	
Colorado	1,308	23/07/2024	ahilt.	06/08/2024	and and all carri
Hawaii	1,260	09/07/2024	سالأألان	06/08/2024	or and later
New Jersey	1,035	28/07/2024	. saidid	06/08/2024	المالين ويوريون
Virginia	1,000	31/07/2024		06/08/2024	a analita na tidlada
Ohio	884	25/07/2024		06/08/2024	ardı barı tarı
Tennessee	774	25/07/2024	A I	06/08/2024	il i i la
Washington	656	27/07/2024	المأطأم بمنج	06/08/2024	catautolla Hitan
Utah	640	25/07/2024	r maddill	05/08/2024	and the late of th
Illinois	604	27/07/2024	كالتمانية والمنال	06/08/2024	
Florida	533	28/07/2024	والمالحان	06/08/2024	
Minnesota	492	23/07/2024	الأراب وما لـ بر	06/08/2024	
Michigan	389	16/07/2024		30/07/2024	and the state of the
Nevada	358	23/07/2024	أنافانس	06/08/2024	arment lab.
Maryland	328	28/07/2024	I to . no nationion	06/08/2024	ada ara a aka
Arizona	283	23/07/2024		06/08/2024	hii ii
Connecticut	276	24/07/2024	atten a tule	06/08/2024	area de la con-
Louisiana	274	26/07/2024		06/08/2024	l
New Mexico	269	23/07/2024	sala ald	06/08/2024	- II. i
Delaware	245	30/07/2024	والمانية	06/08/2024	
lowa	240	02/08/2024	والماسيمان الم	06/08/2024	
Pennsylvania	234	27/07/2024	and the same of th	06/08/2024	
Nebraska	225	04/08/2024	والنصا	06/08/2024	in the Lind
Oregon	188	29/07/2024	Herman Conduction	06/08/2024	, ill la la i
Rhode Island	181	18/07/2024	a and after	06/08/2024	and the latest terminal termin
Total	25,503	04/08/2024		06/08/2024	المالية المستميد المالية

This page shows the volume and currency/timeliness of the genomic sequencing data shared via GISAID, over the last 8 weeks. A breakdown of the leading states (by volume) is shown.

Each sample shared comes with a Collection date - when the PCR test for that sample was collected. The GISAID system also records a Submission date for each sample, which is typically the date that sample was uploaded.

The latest date of each type is shown, along with "sparkline"-style mini charts to give a flavour for the spread of recent data by Collection date and by Submission date.