

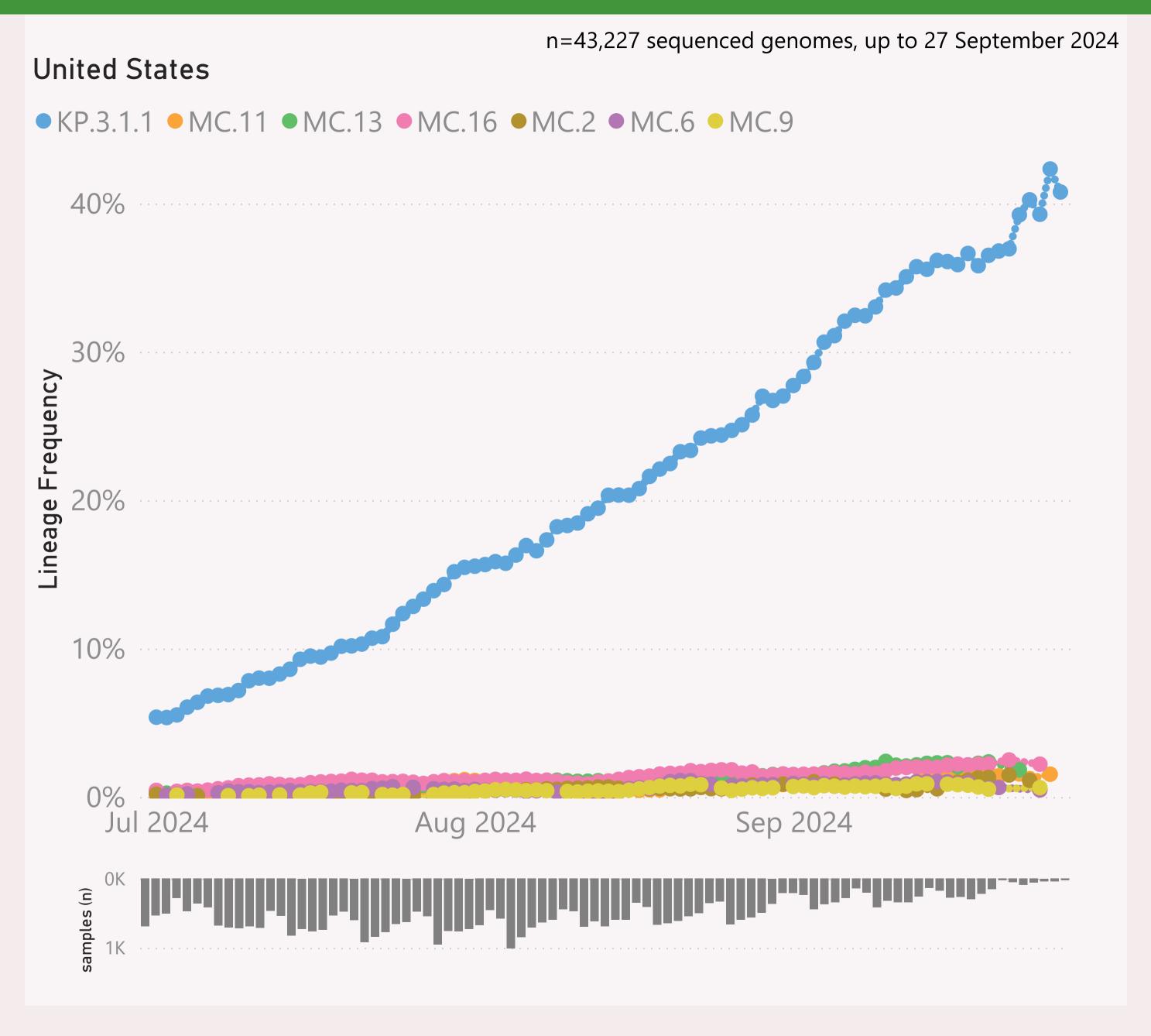
This page shows the frequency of the top 7 "L2" lineages, across recent months.

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.

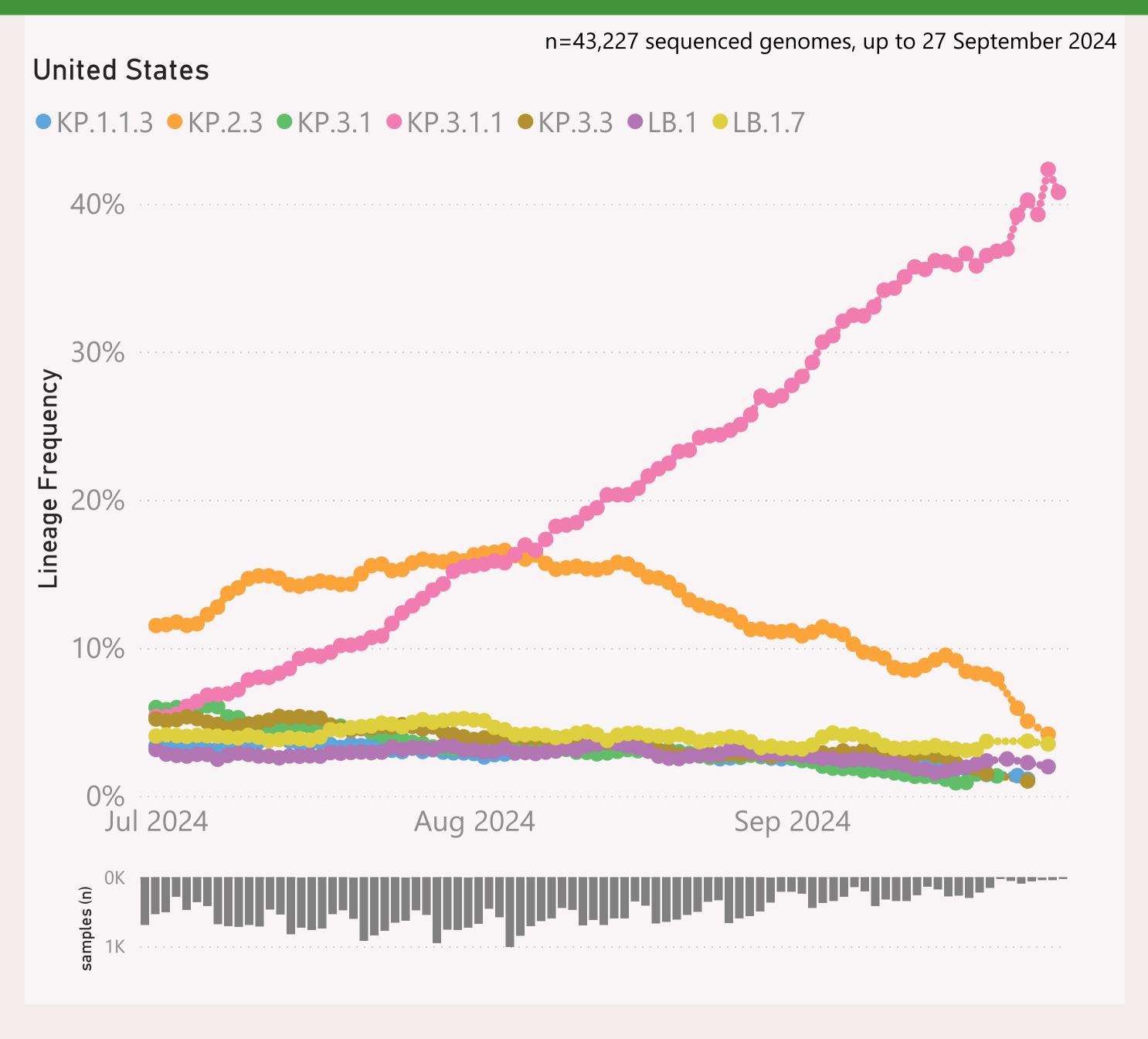


This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently "JN.1.\* + DeFLuQE".

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

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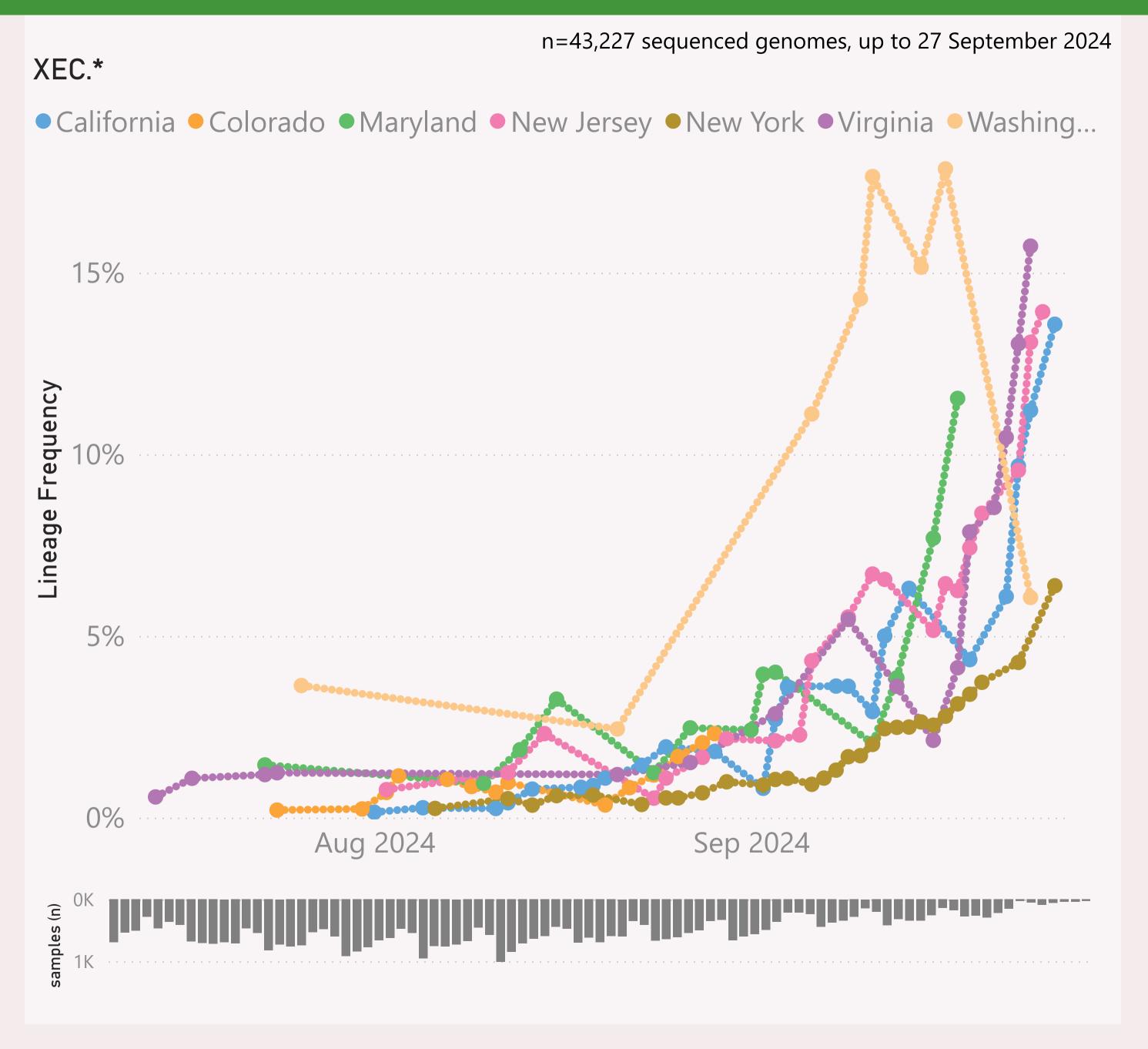


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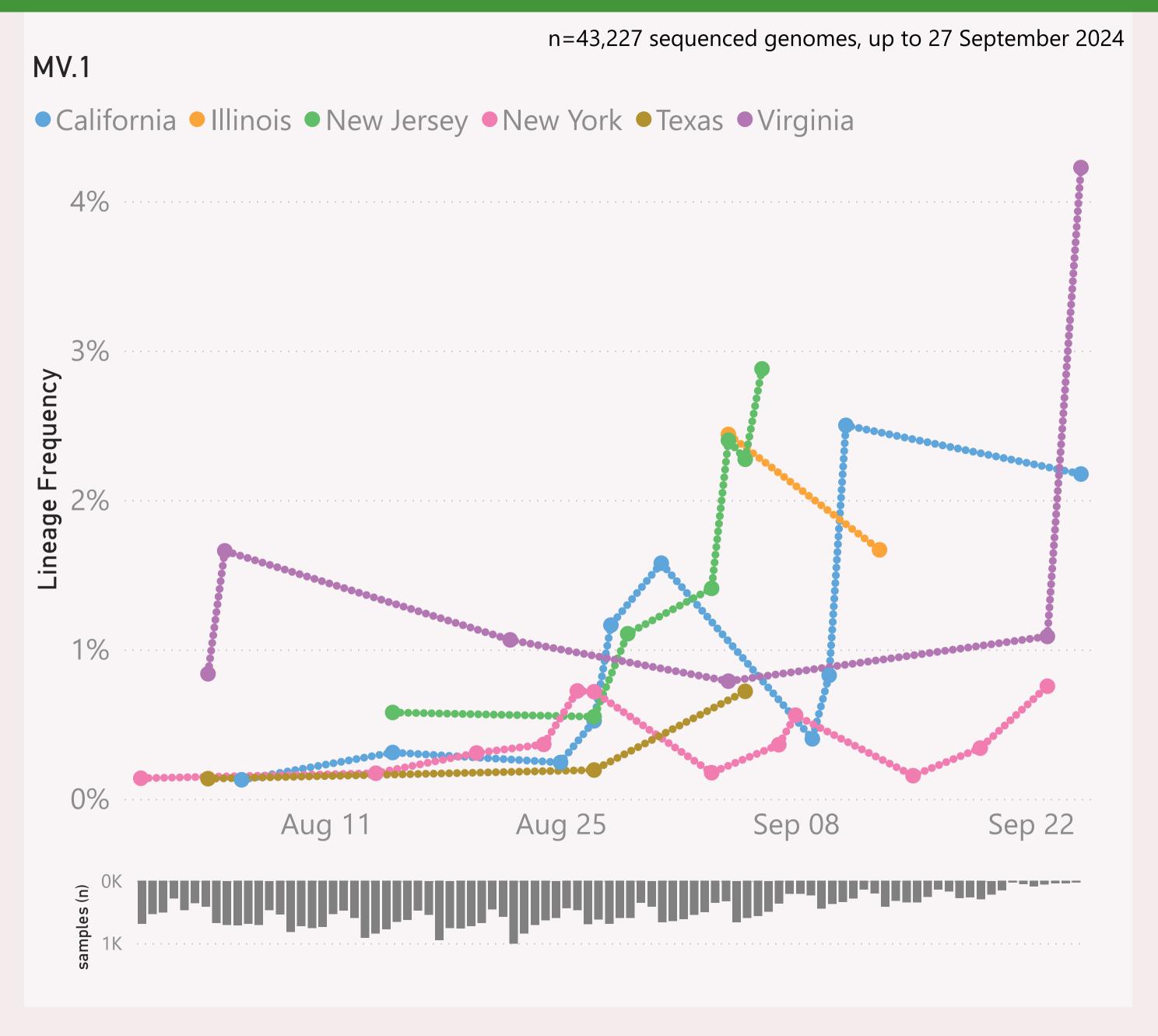


This page shows the frequency of a selected "Lineage L2" group of interest, across the leading States, over recent months.

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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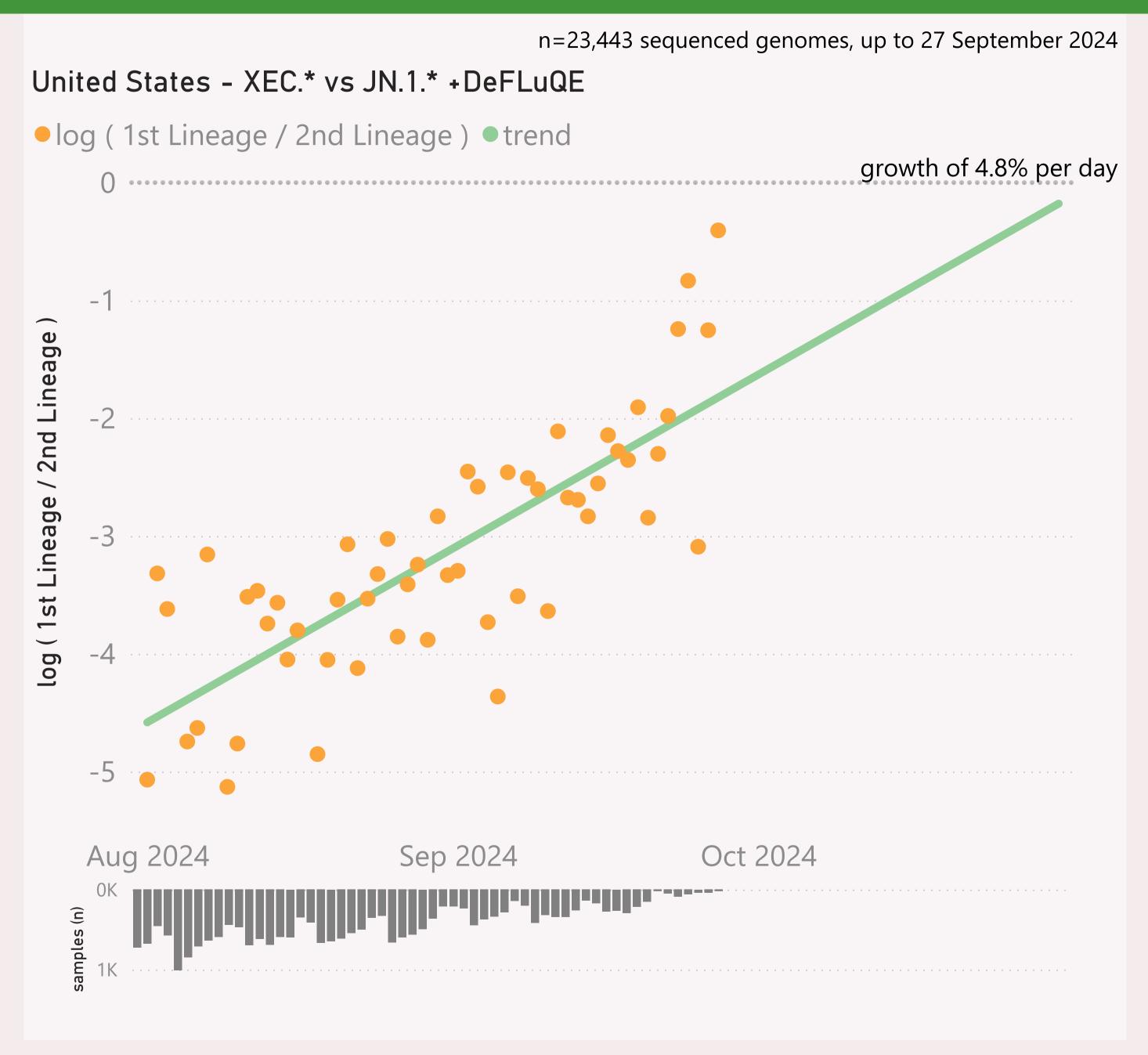


This page shows the frequency of a selected Lineage of interest, across the leading States, over recent months.

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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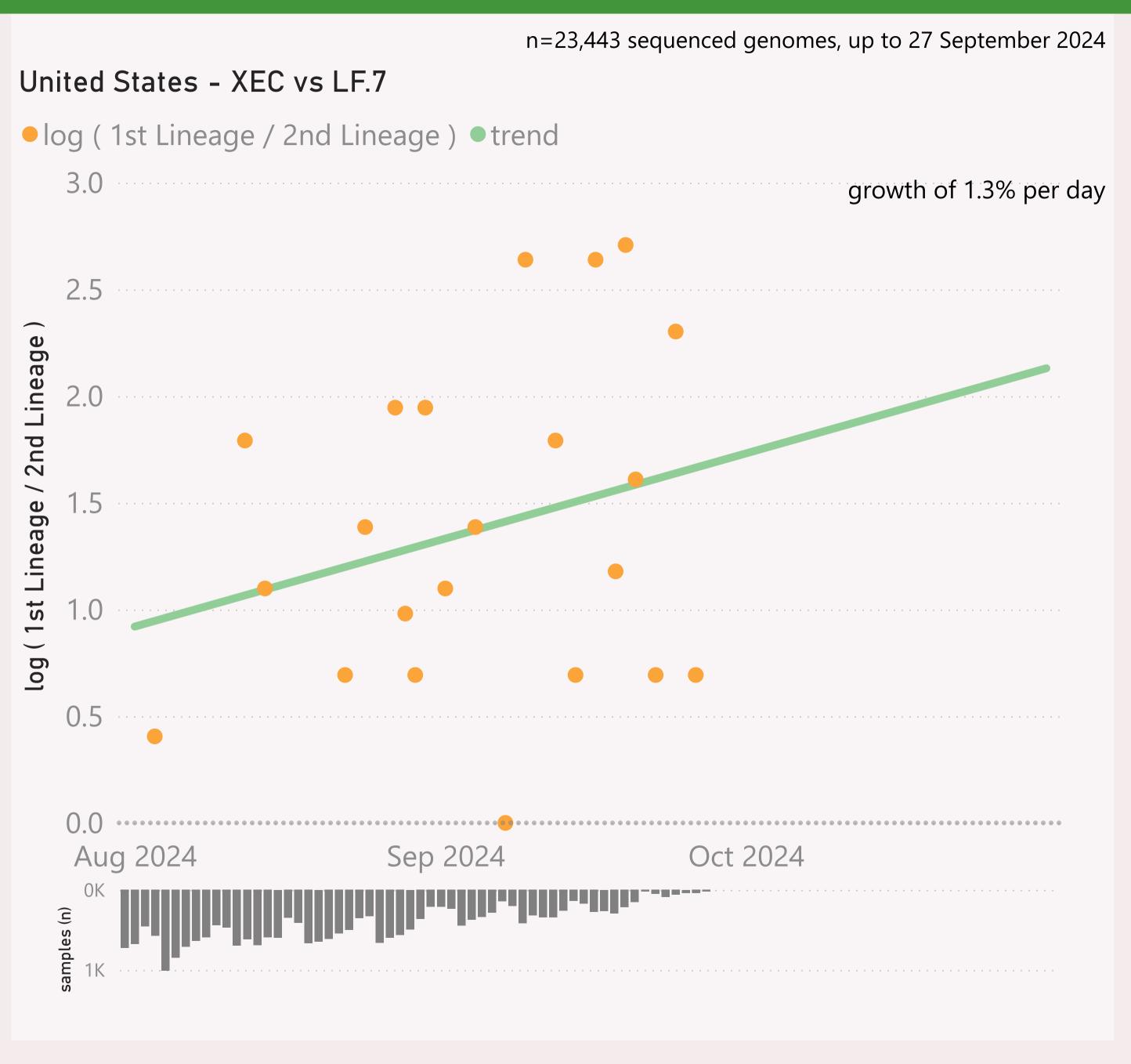


This page compares the relative frequency of 2 selected "Lineage L2" groups, over recent months. A challenging Lineage L2 is selected first, and compared to the incumbent.

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".

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.

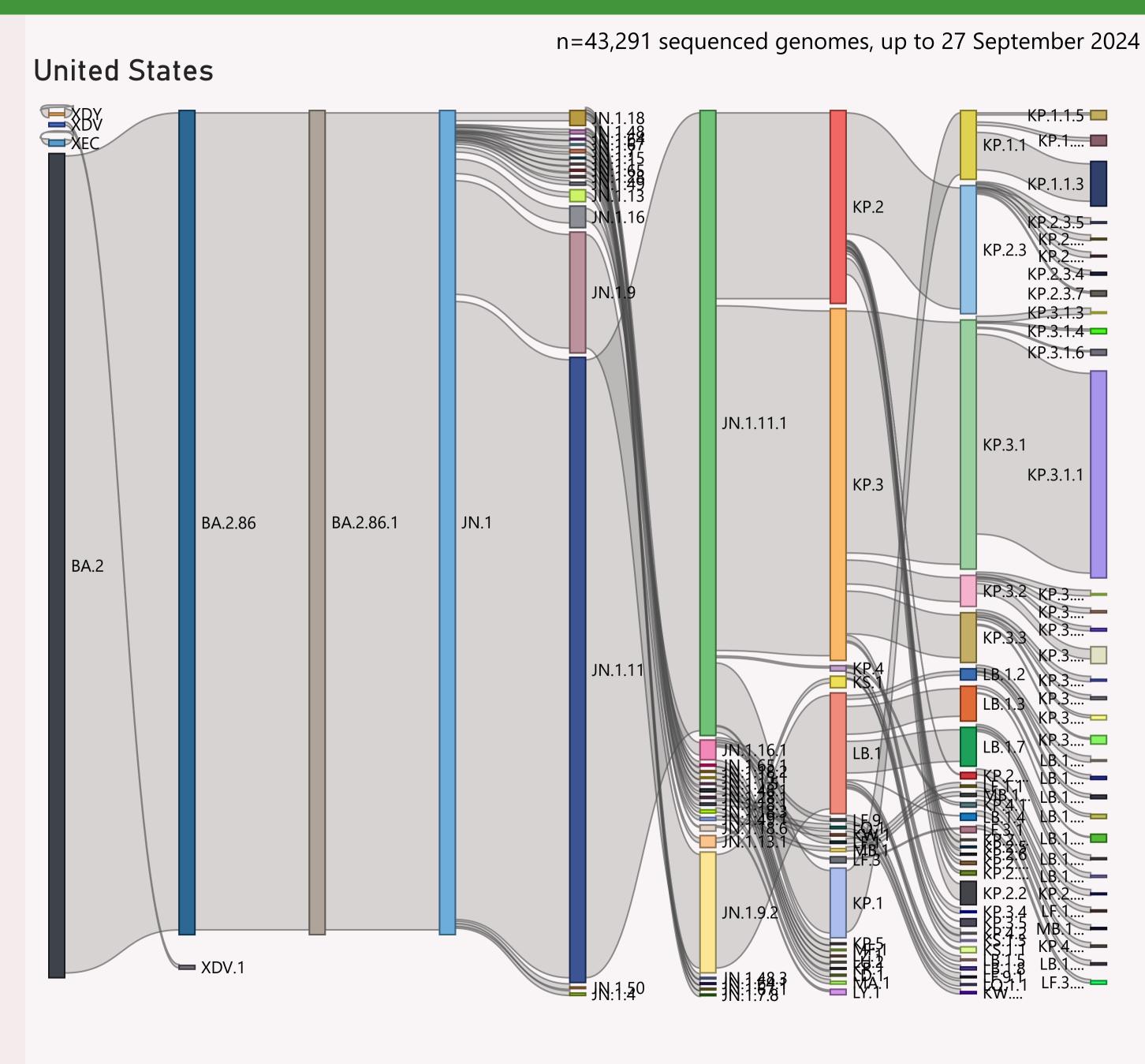


This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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 is considered to have "crossed over" or taken over dominance from the incumbent Lineage

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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	38,226	9/27/2024		10/1/2024	sasalti kas ar da ait osta
California	5,935	9/26/2024		10/1/2024	it also as as literary deli-
New York	5,243	9/26/2024		10/1/2024	amatan ar a di aht
Texas	4,509	9/19/2024		10/1/2024	
Colorado	2,759	9/16/2024		10/1/2024	actional III
New Jersey	1,697	9/26/2024		10/1/2024	and beautiful and
Virginia	1,580	9/26/2024		10/1/2024	and the Headlest Co. 1 of the
Illinois	1,293	9/19/2024	Beating and a control of	10/1/2024	and the second second
Ohio	1,274	9/21/2024	ar flacti	10/1/2024	incontractional
Tennessee	1,161	9/19/2024	I have an extended at	10/1/2024	L LL LLL
Utah	1,108	9/24/2024	hilbir	9/30/2024	ar malda
Hawaii	1,003	9/25/2024	المعادلة الما	10/1/2024	Tarada a a
Minnesota	785	9/8/2024	allilit.	10/1/2024	and the dark
Pennsylvania	726	9/20/2024	and the state of t	10/1/2024	and the date of the land
Maryland	719	9/23/2024	عبرا المالية	10/1/2024	I make to tell and
Rhode Island	644	9/13/2024	ulilea	10/1/2024	and the first
Louisiana	601	9/16/2024		10/1/2024	
Delaware	549	9/20/2024	libba -	10/1/2024	and Halli ad
Georgia	520	9/19/2024	والمناشد	10/1/2024	l l
Arizona	498	9/21/2024	lulidu.	10/1/2024	Juliante seus in la r
North Carolina	477	9/24/2024	aldill as	10/1/2024	and data are
Iowa	472	9/27/2024	lidata	10/1/2024	
Wisconsin	431	9/18/2024	and an end of the	10/1/2024	
Nebraska	406	9/24/2024	Jul. 10	10/1/2024	alle I ne com ne
Connecticut	396	9/18/2024	J. Lillian	10/1/2024	Harar C. H. etc
Florida	360	9/26/2024	aldina .	10/1/2024	and the design and
District of Columbia	317	9/20/2024	adada.	10/1/2024	Ladicacial
Michigan	313	9/4/2024	du	9/20/2024	a. H.Lan
Total	38,226	9/27/2024		10/1/2024	sacata toda aa da aat catal

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.