

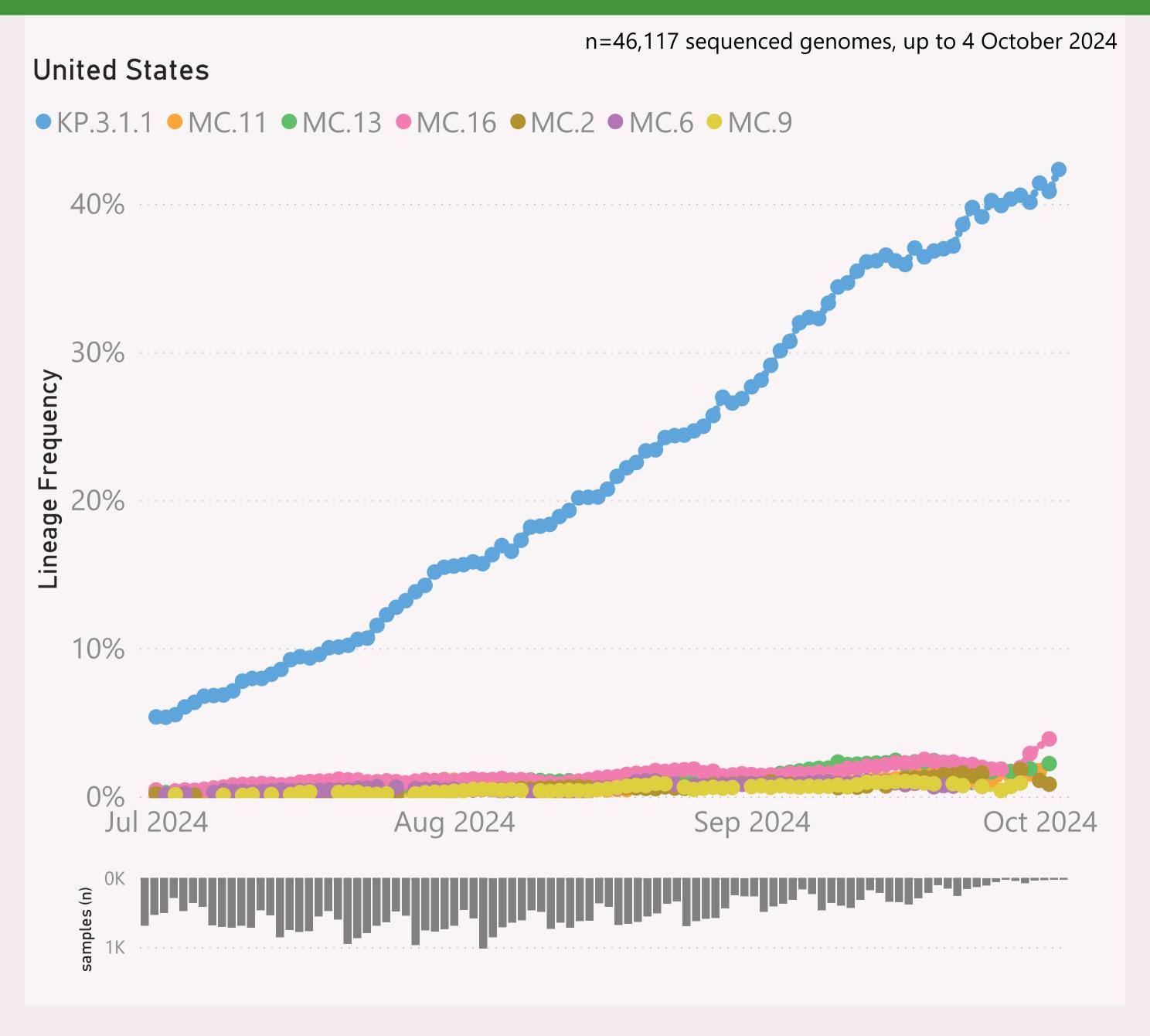
This page shows the frequency of the top 7 "L2" lineages, across recent months.

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.

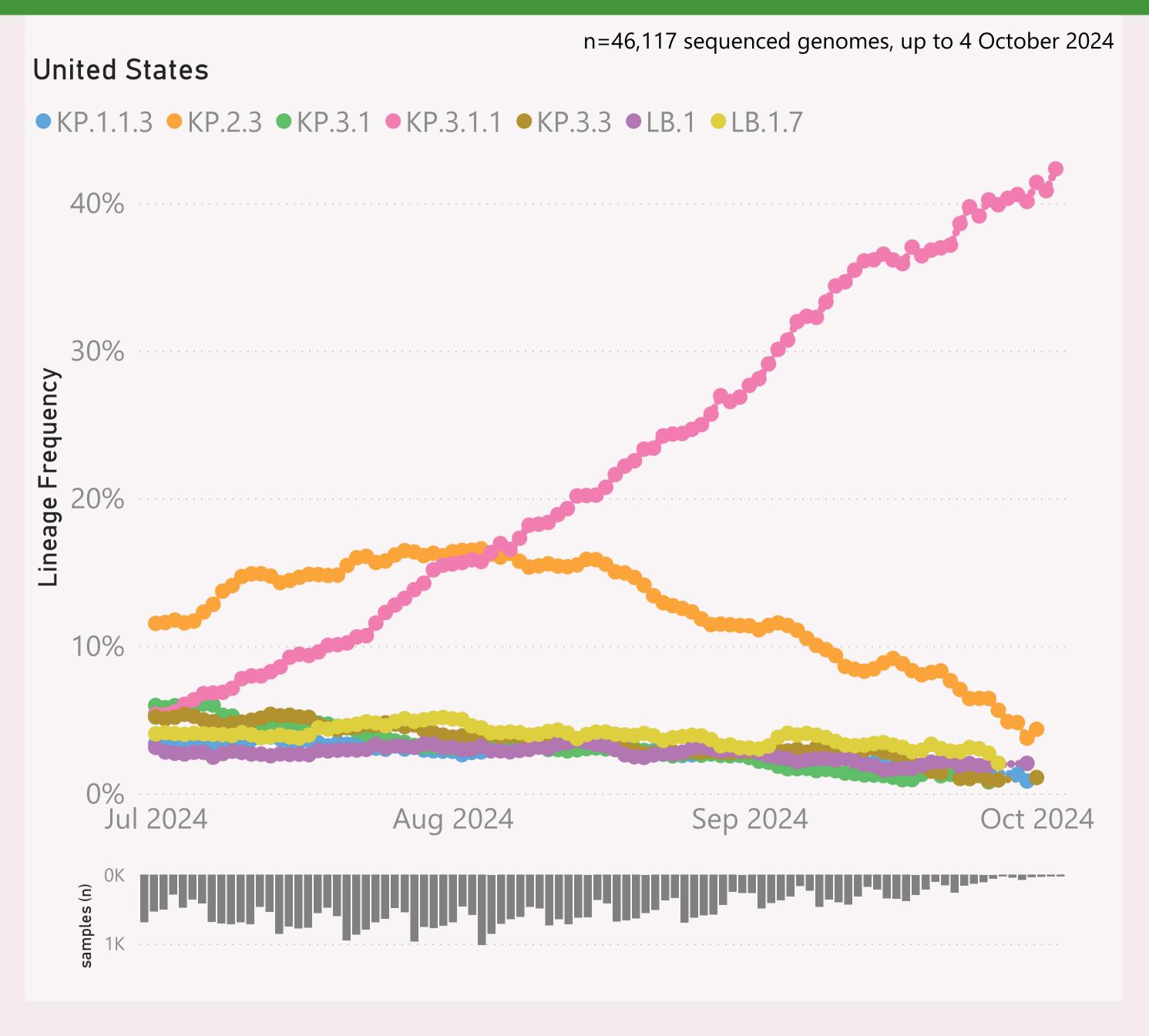


This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently "JN.1.* + DeFLuQE".

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

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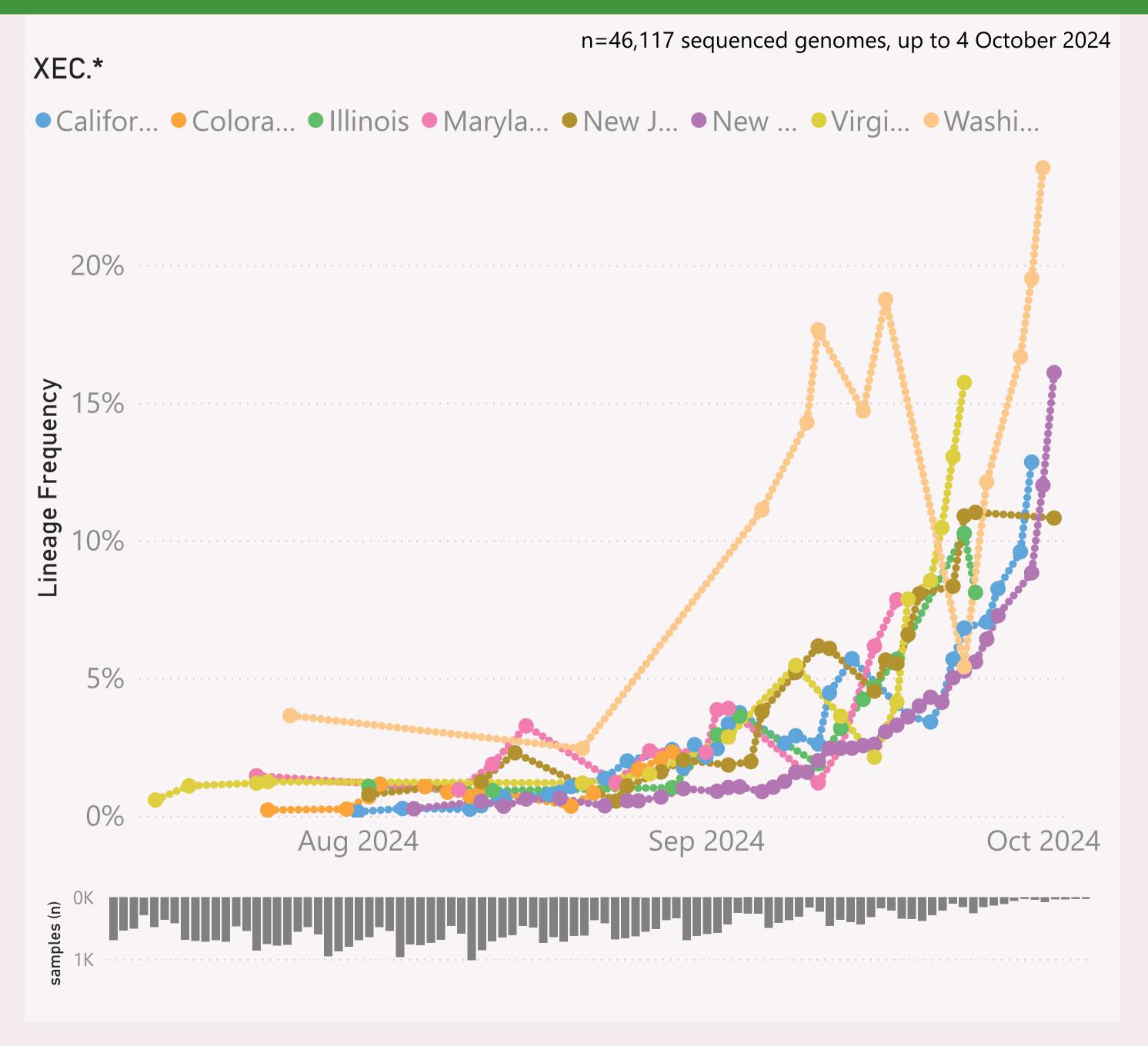


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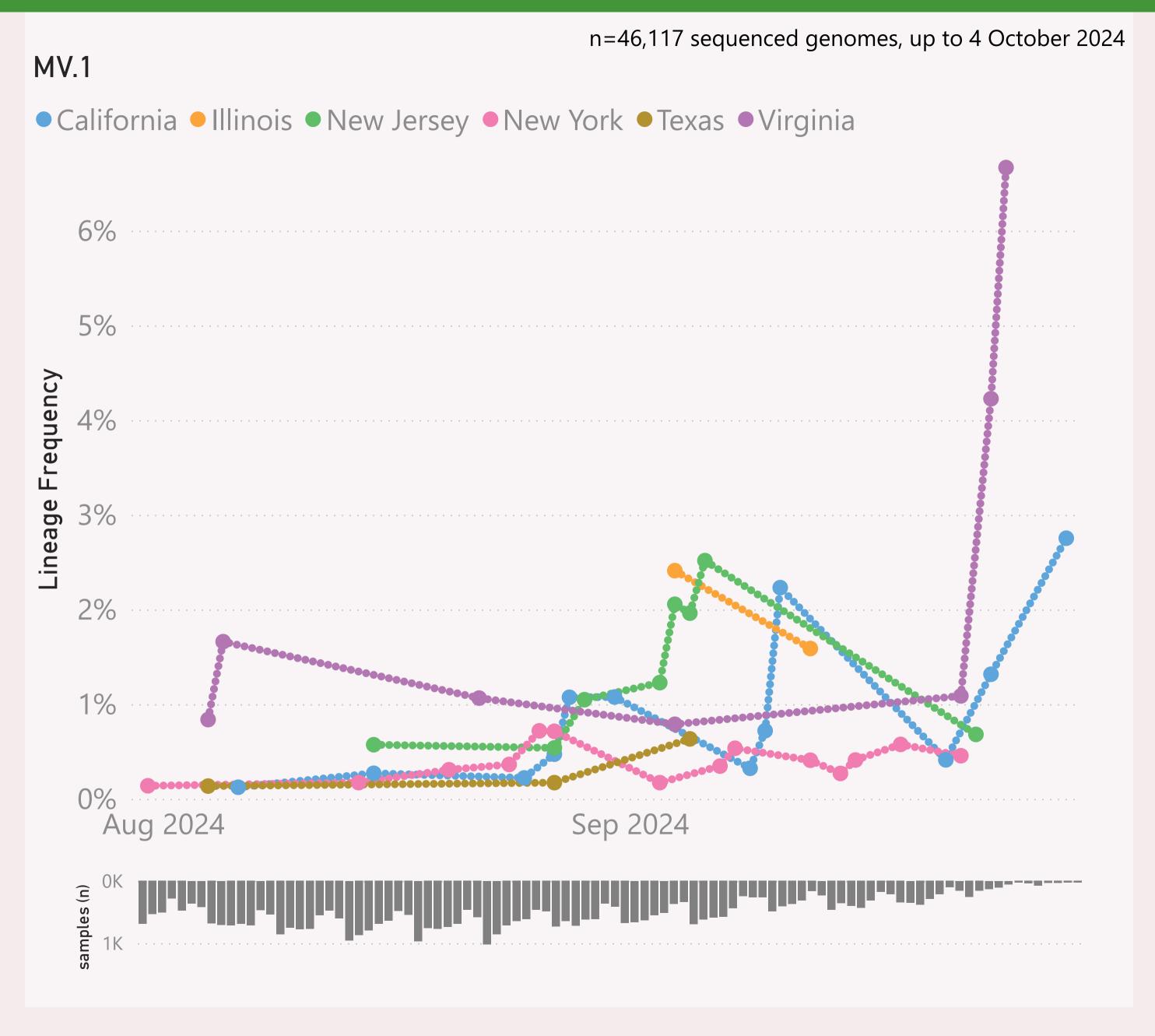


This page shows the frequency of a selected "Lineage L2" group of interest, across the leading States, over recent months.

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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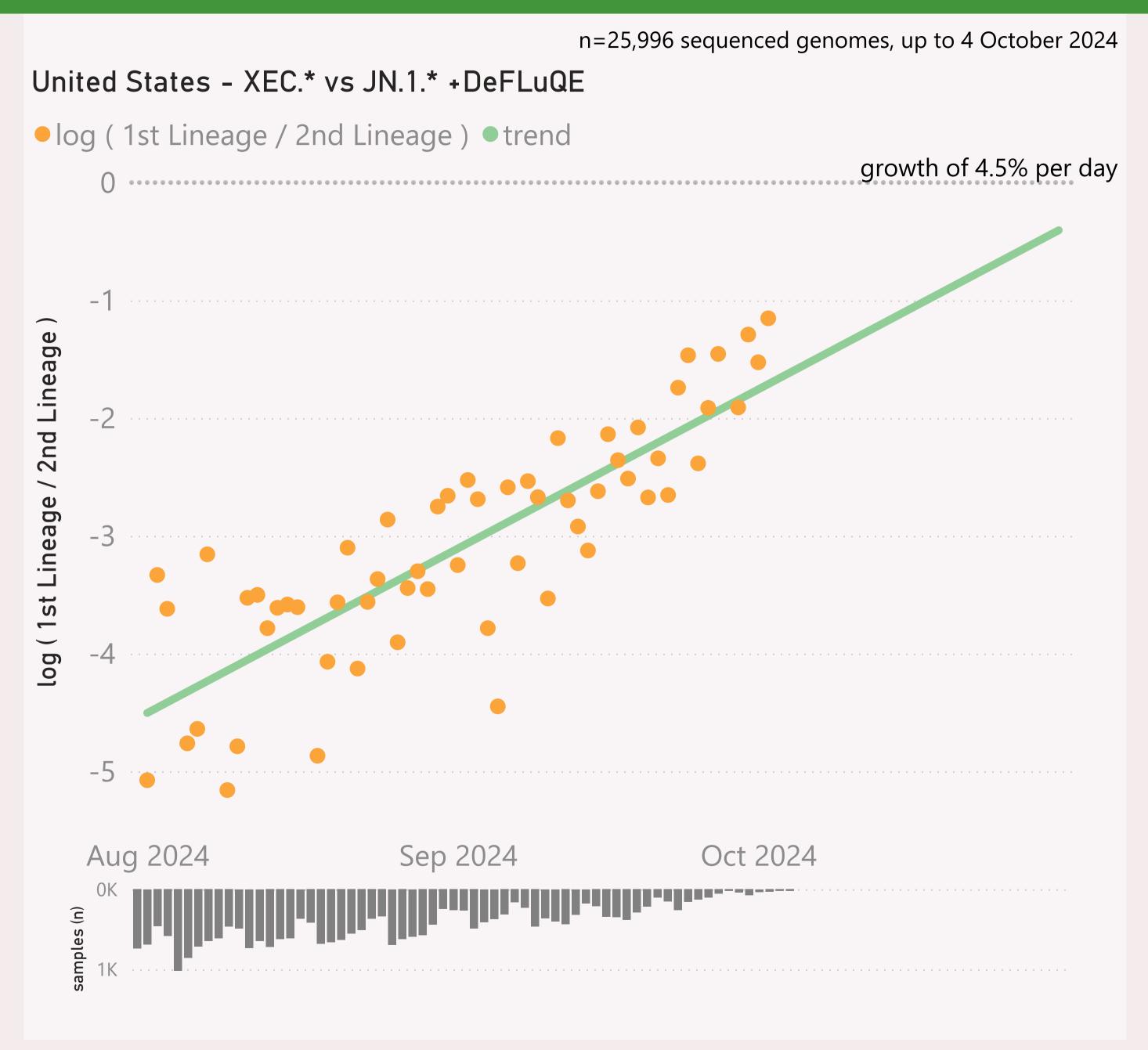


This page shows the frequency of a selected Lineage of interest, across the leading States, over recent months.

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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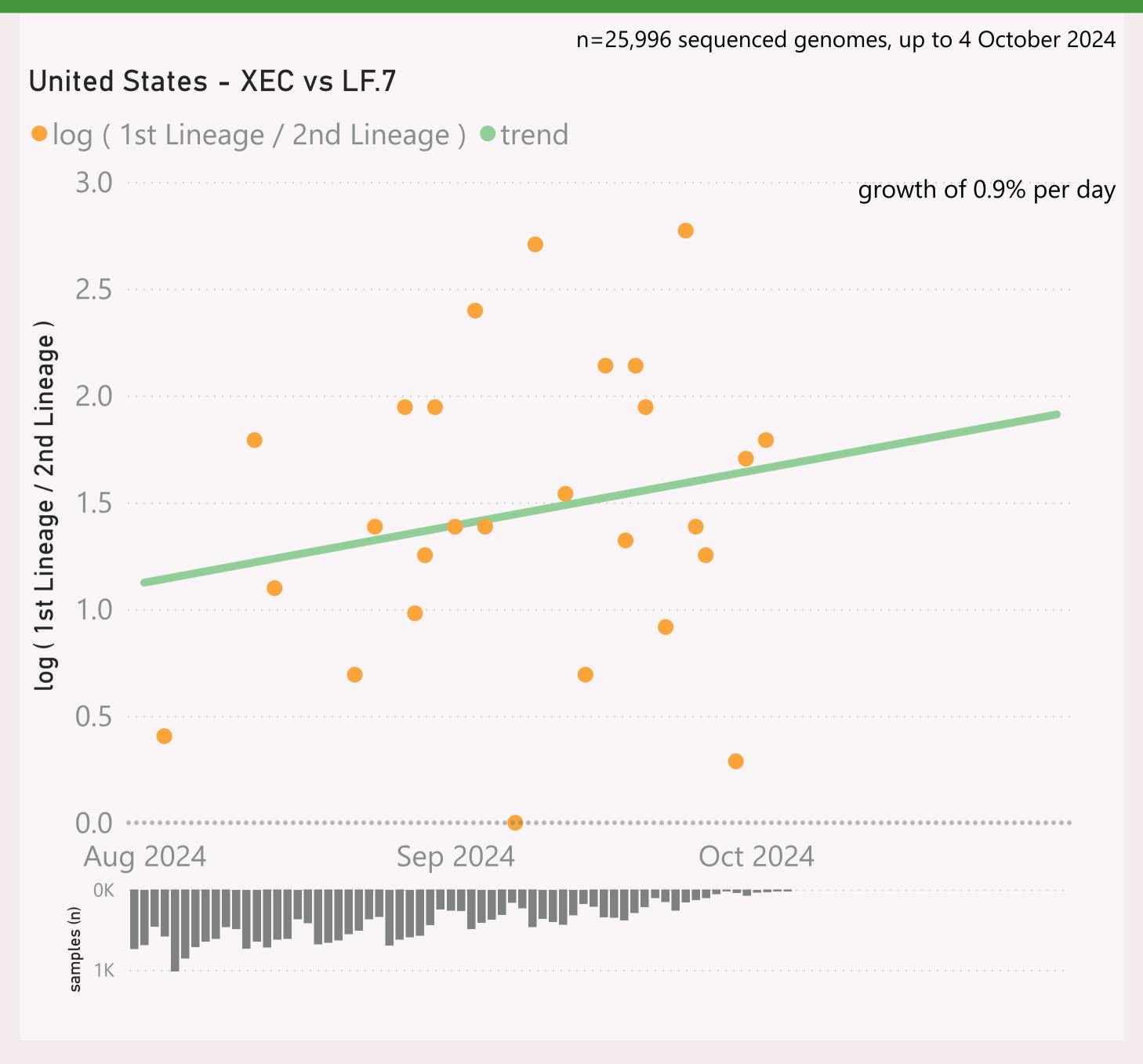


This page compares the relative frequency of 2 selected "Lineage L2" groups, over recent months. A challenging Lineage L2 is selected first, and compared to the incumbent.

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.

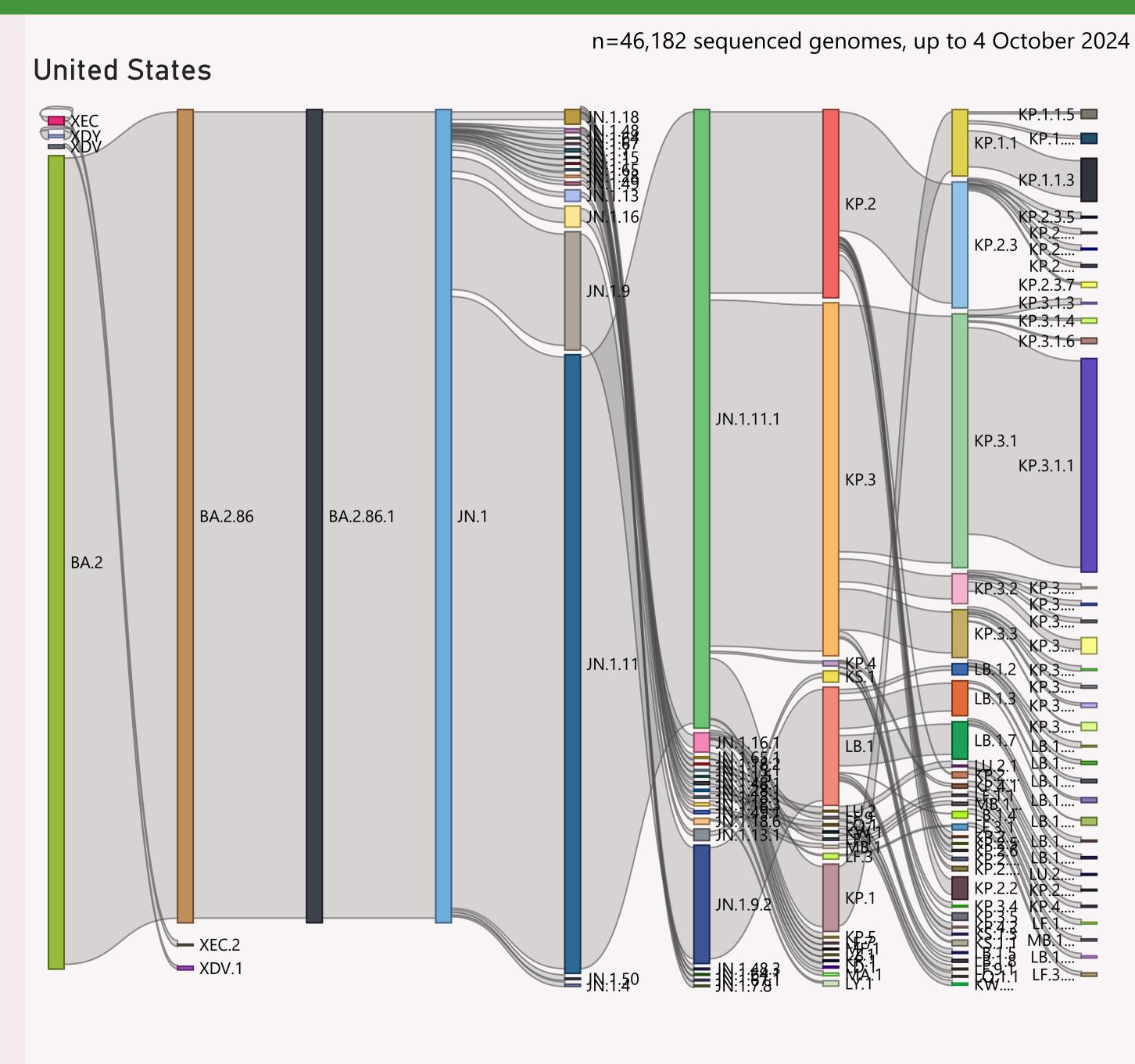


This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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	37,448	10/4/2024		10/5/2024	alla lucció de altributada
California	5,828	10/2/2024	and the control of th	10/5/2024	alle a la laborata de las
New York	5,482	10/3/2024		10/5/2024	وبالوالي ووايون
Texas	4,057	9/27/2024	and the second s	10/5/2024	
Colorado	2,579	9/17/2024	. عالله .	10/5/2024	aran da
New Jersey	1,793	10/2/2024	الماليدين بالماليدين	10/5/2024	allass de tado ando
Virginia	1,486	10/2/2024	والمألف والمستواط والمستول والمستواط والمستواط والمستواط والمستواط	10/5/2024	والأراب والماسا
Ohio	1,281	9/24/2024	. fel.	10/5/2024	a transferance
Illinois	1,235	9/25/2024	conservation and the	10/5/2024	
Tennessee	1,164	9/19/2024	III. aurilia subadada.	10/5/2024	l r
Utah	1,163	10/1/2024		10/5/2024	ara ana lahar
Minnesota	980	9/23/2024		10/5/2024	and the distribution
Hawaii	837	9/25/2024	ومراباه الماران	10/5/2024	
Pennsylvania	769	9/27/2024	and the state of t	10/5/2024	all and the base
Rhode Island	676	9/26/2024	. dhila.	10/5/2024	car ira li sa
Maryland	670	9/23/2024	.lldd.c	10/5/2024	mone lend all
Louisiana	607	10/2/2024		10/5/2024	<u> </u>
Delaware	570	9/21/2024	diditi	10/5/2024	on III di an
Georgia	518	9/19/2024	. milalas	10/2/2024	in a la l
North Carolina	468	9/24/2024	all ha	10/2/2024	all de de la company
Iowa	453	10/4/2024		10/5/2024	- 11 1 1 1 1 1 1
Wisconsin	431	9/18/2024	John Sander	10/2/2024	
Arizona	424	9/25/2024		10/5/2024	da di salata te tan
Nebraska	351	9/24/2024	all trace	10/3/2024	a Lateria in
Florida	342	10/2/2024		10/5/2024	Intale to a care
Connecticut	315	9/18/2024	madde, a	10/5/2024	anar It id.
Nevada	313	10/4/2024	ndjille de .	10/5/2024	والمستلك أراب
Michigan	299	9/21/2024		10/5/2024	adjaladi 💎
Total	37,448	10/4/2024		10/5/2024	alla lata da illa dalla datai.

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.