

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

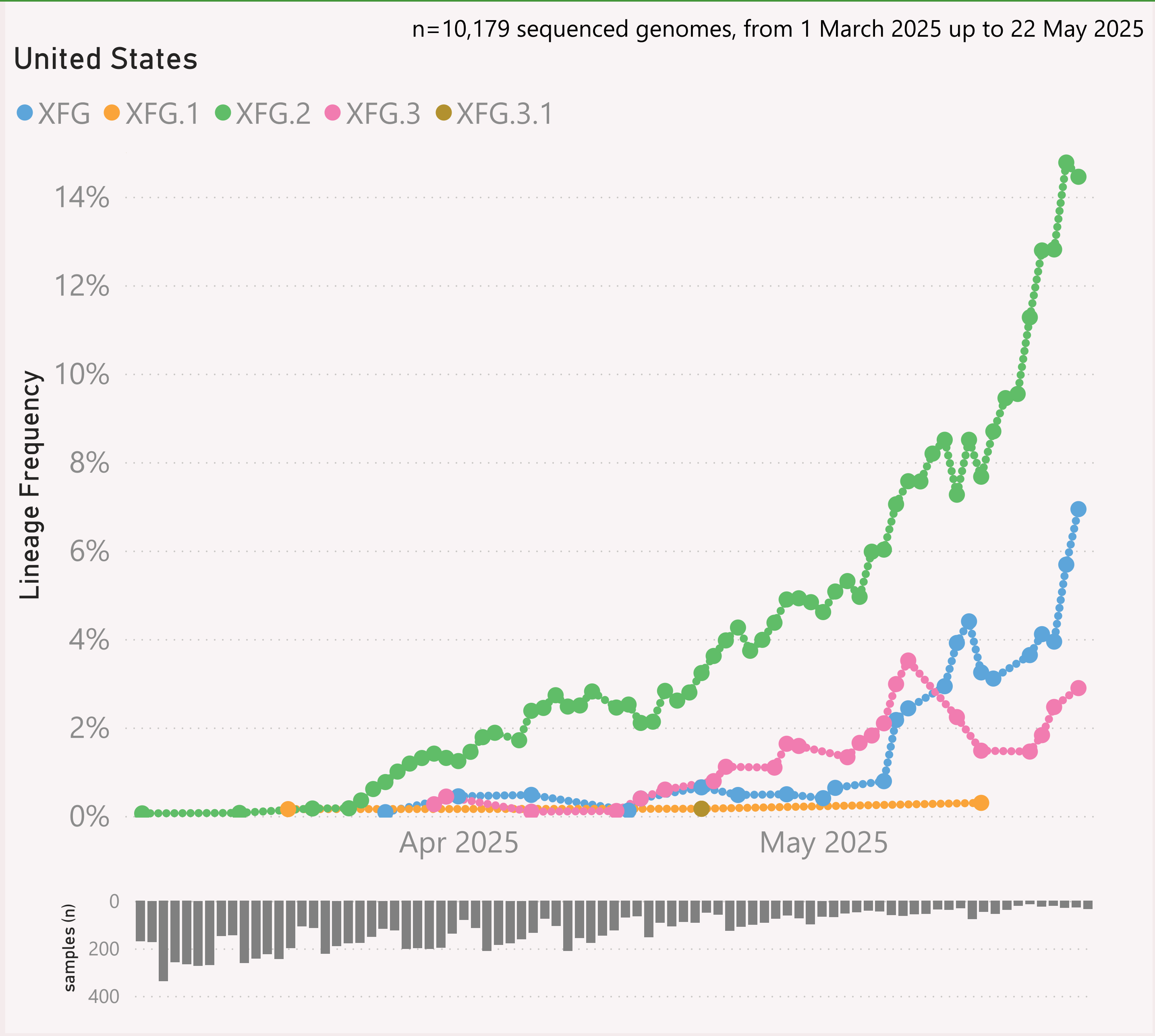
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "BA.2.86.*" group includes BA.2.86 and all it's descendants, e.g. the JN.* lineages.

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.

The frequency results calculated for the most recent dates might not be representative, due to those lower sample sizes.



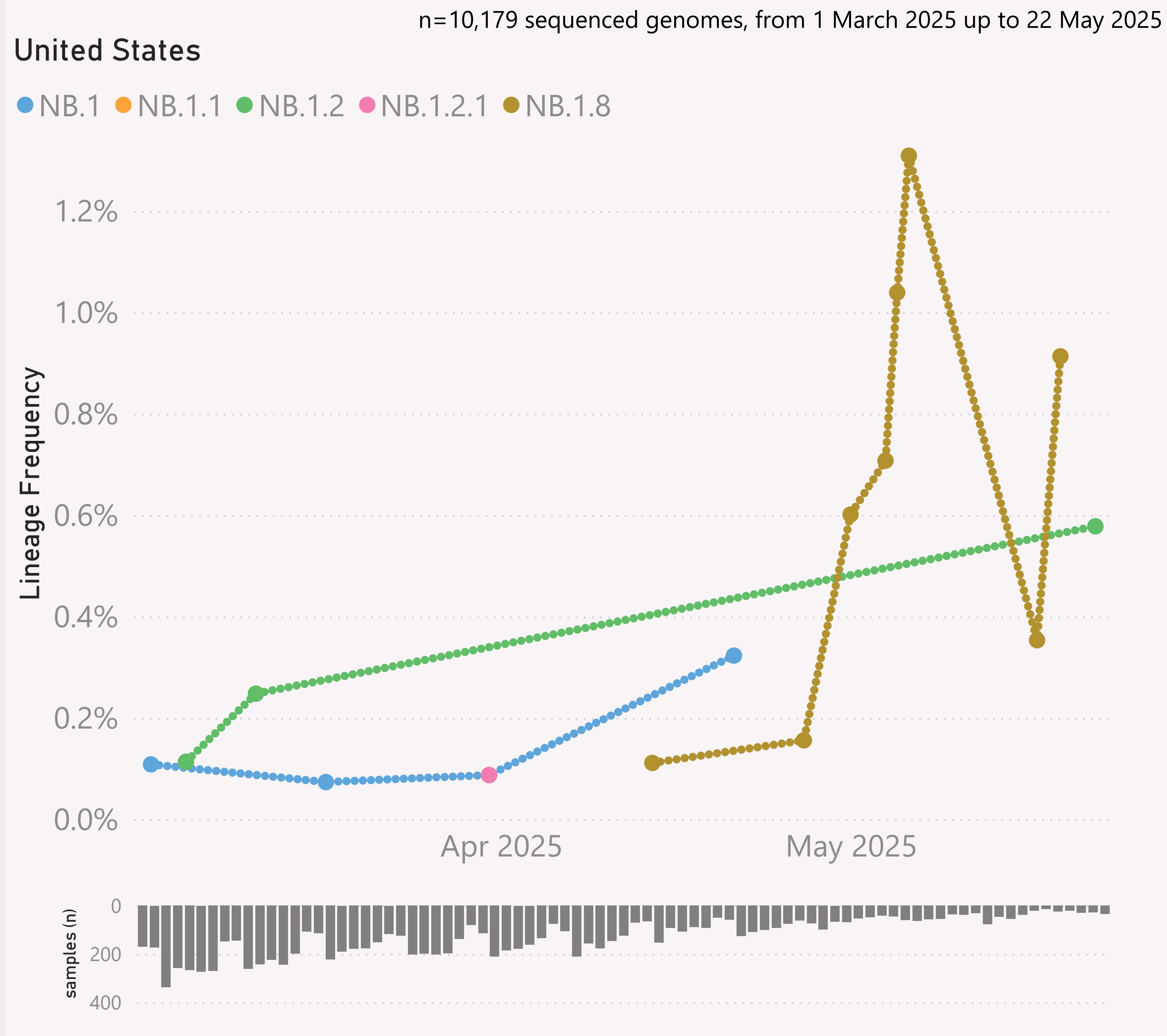
This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently XFG.*.

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

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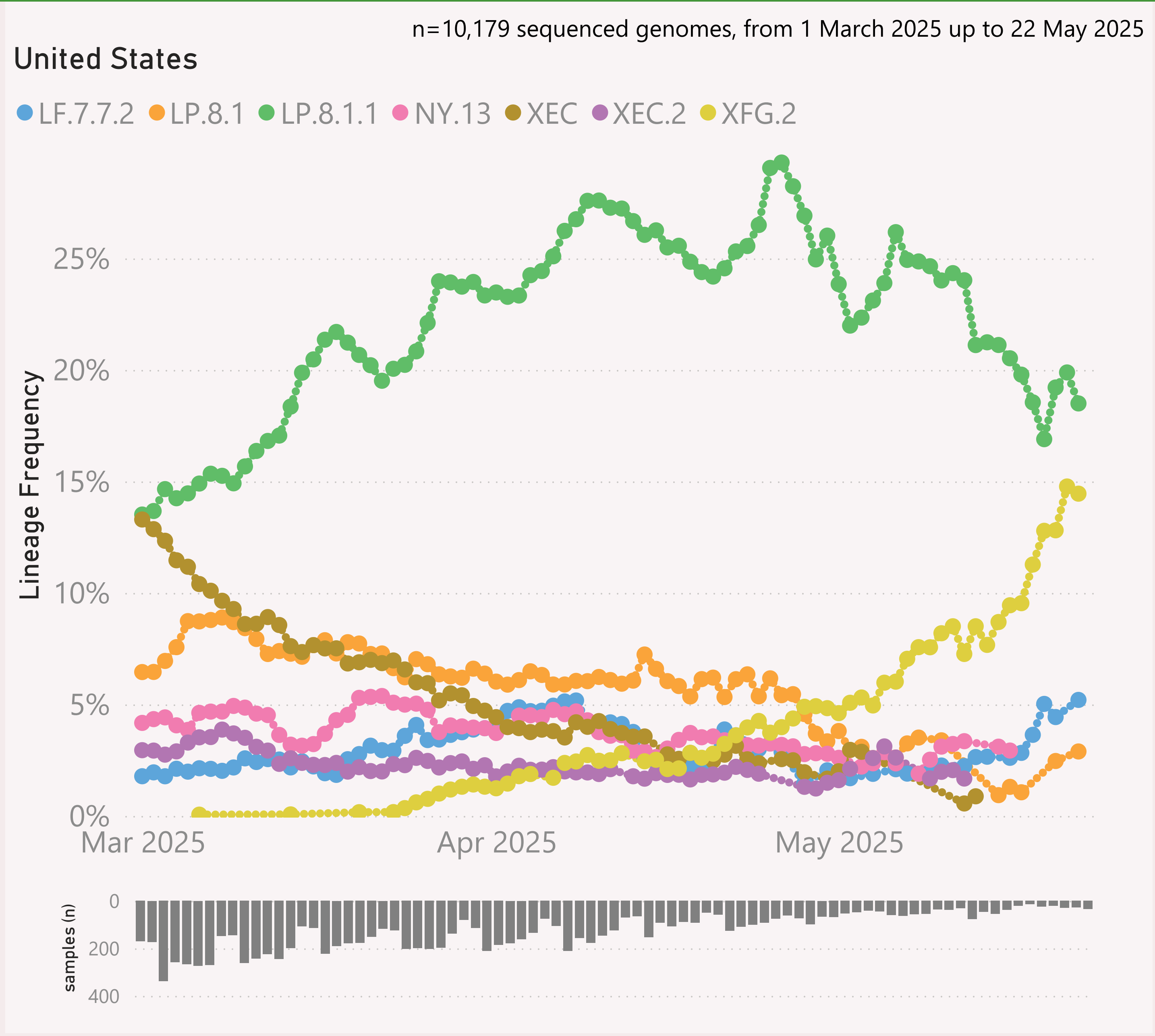
This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently NB.1.8.1.* "Nimbus".

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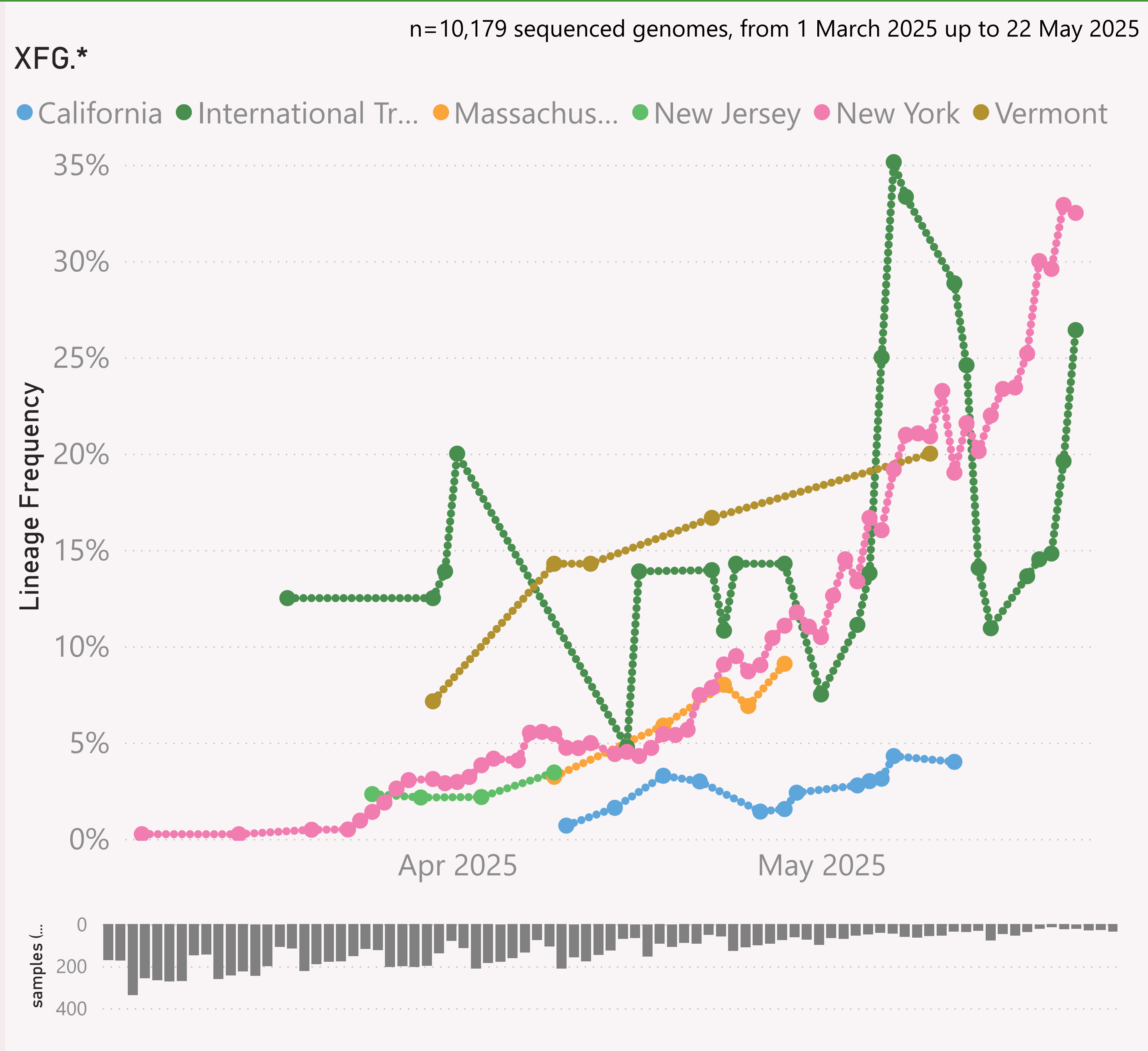
This page shows the frequency of the top 7 lineages, across recent months.

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

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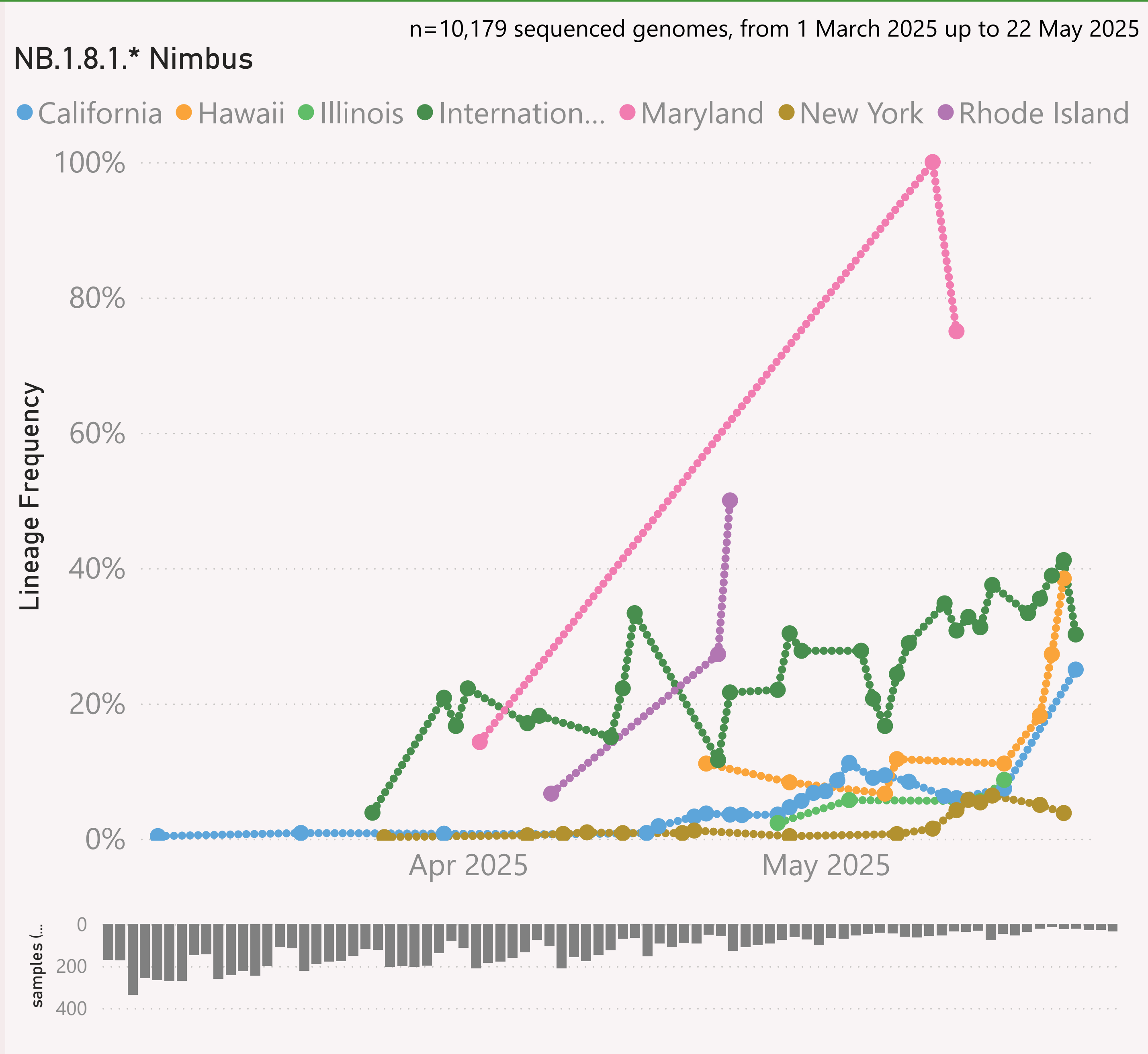
This page shows the frequency of a selected "Lineage L2" group of interest, across the leading States, over recent months.

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.

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.

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

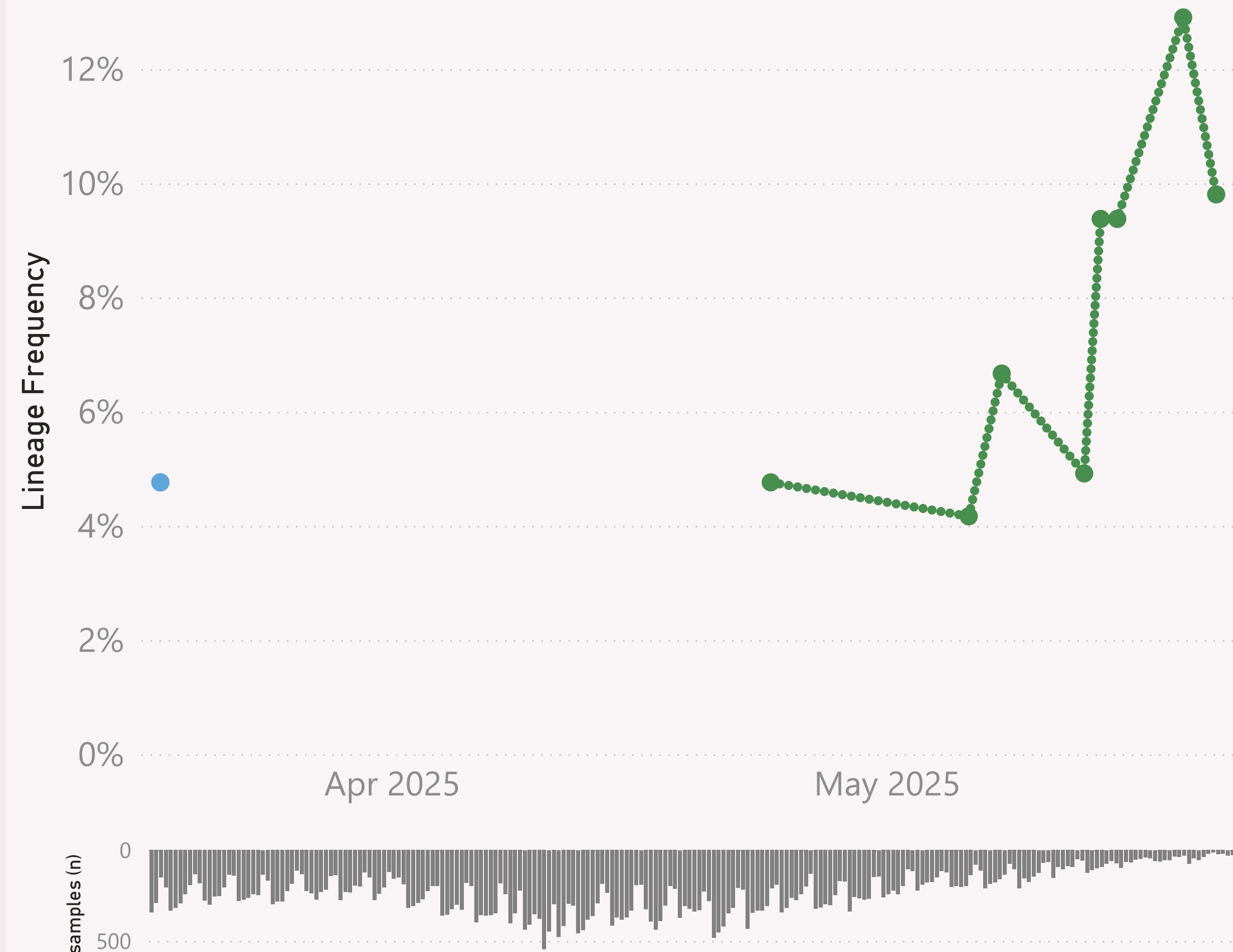
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n=50,273 sequenced genomes, from 10 October 2024 up to 22 May 2025

XFP

● District of Columbia ● International Travellers



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.

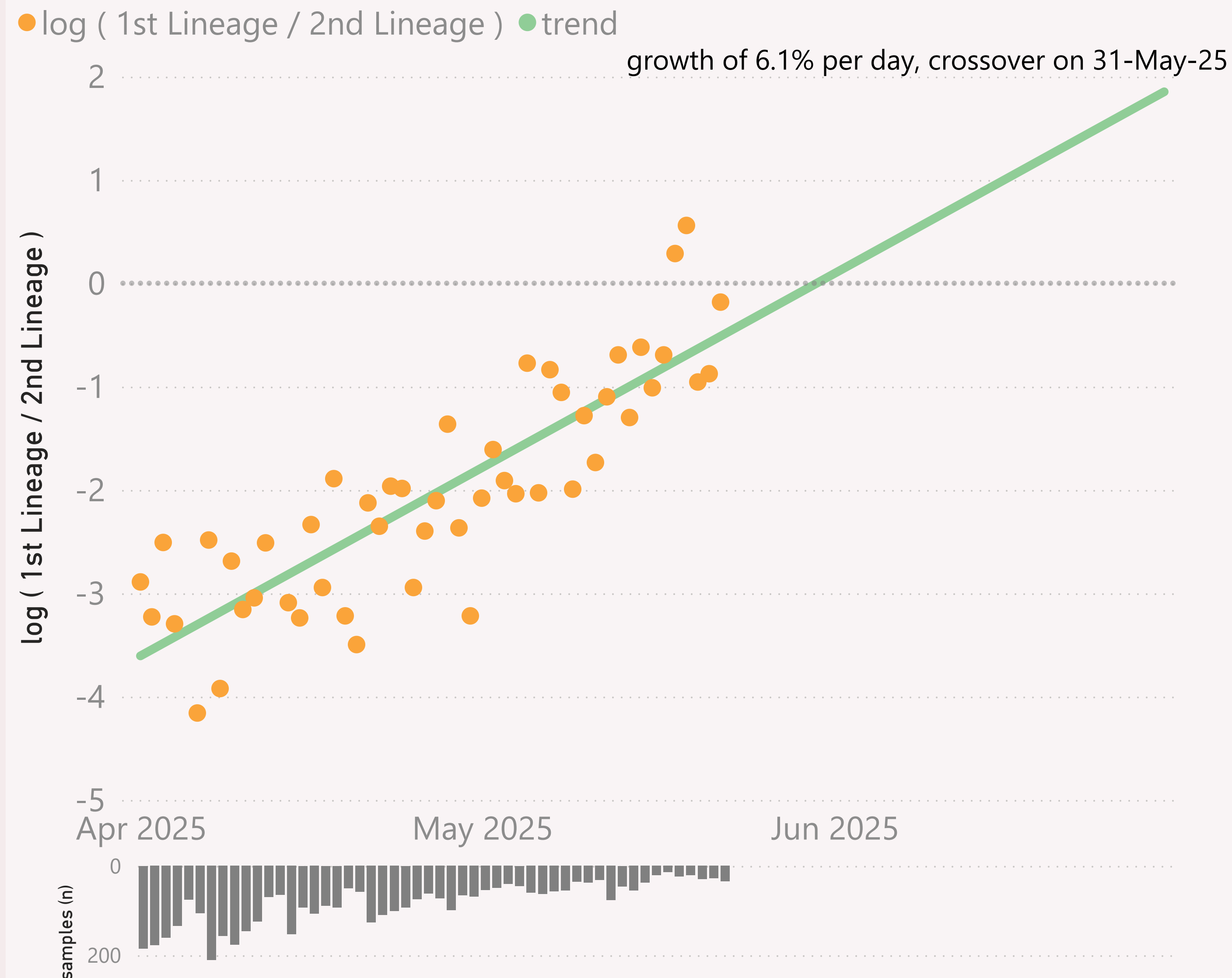
The frequency shown at each point is based on the 7-day rolling average across all lineages, for that state.

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.

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n=4,229 sequenced genomes, from 1 April 2025 up to 22 May 2025

United States - XFG.* vs LP.8.1.*



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".

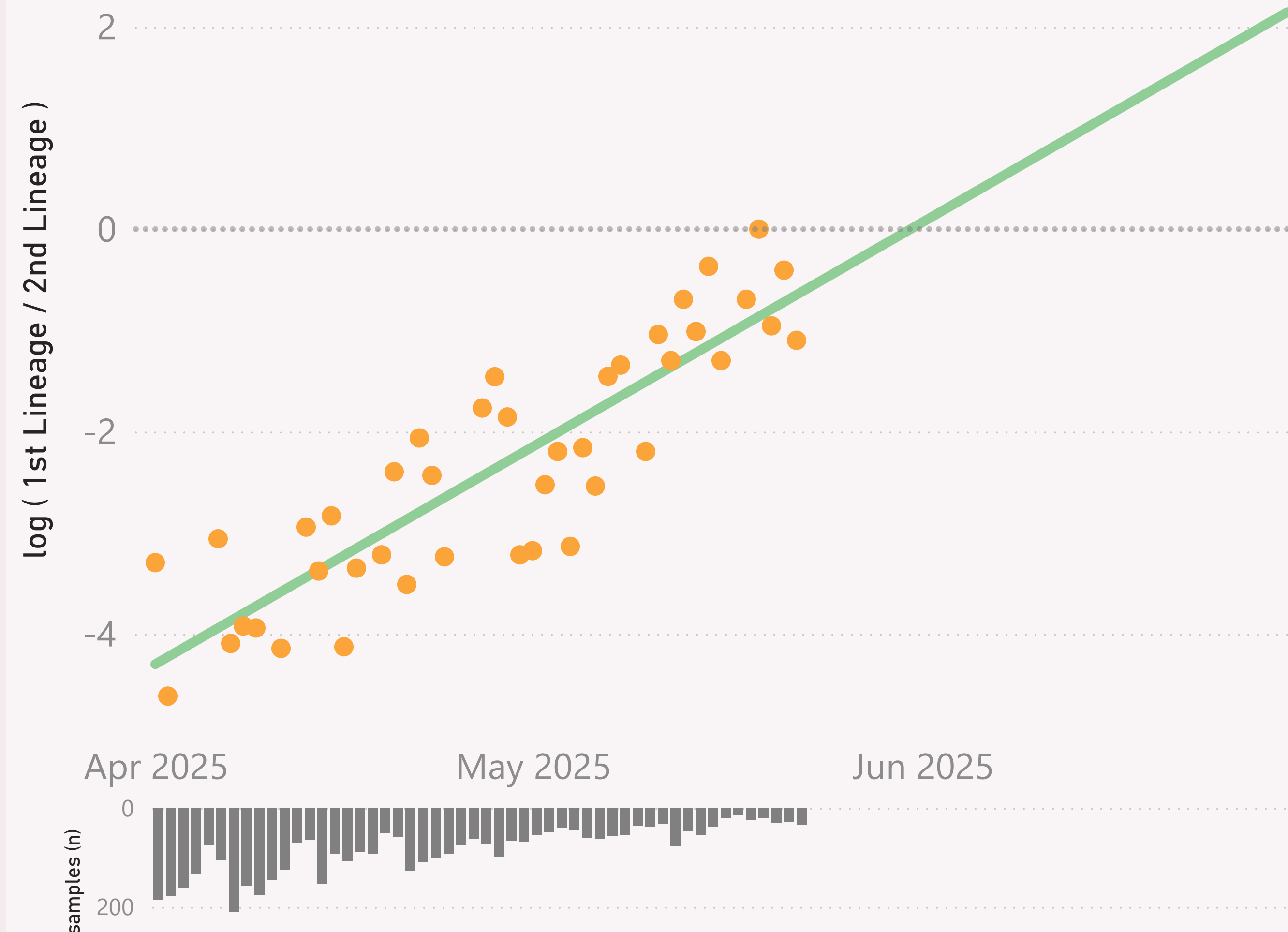
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

n=4,229 sequenced genomes, from 1 April 2025 up to 22 May 2025

United States - NB.1.8.1.* Nimbus vs LP.8.1.*

● log (1st Lineage / 2nd Lineage) ● trend

growth of 7.2% per day, crossover on 01-Jun-25



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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.

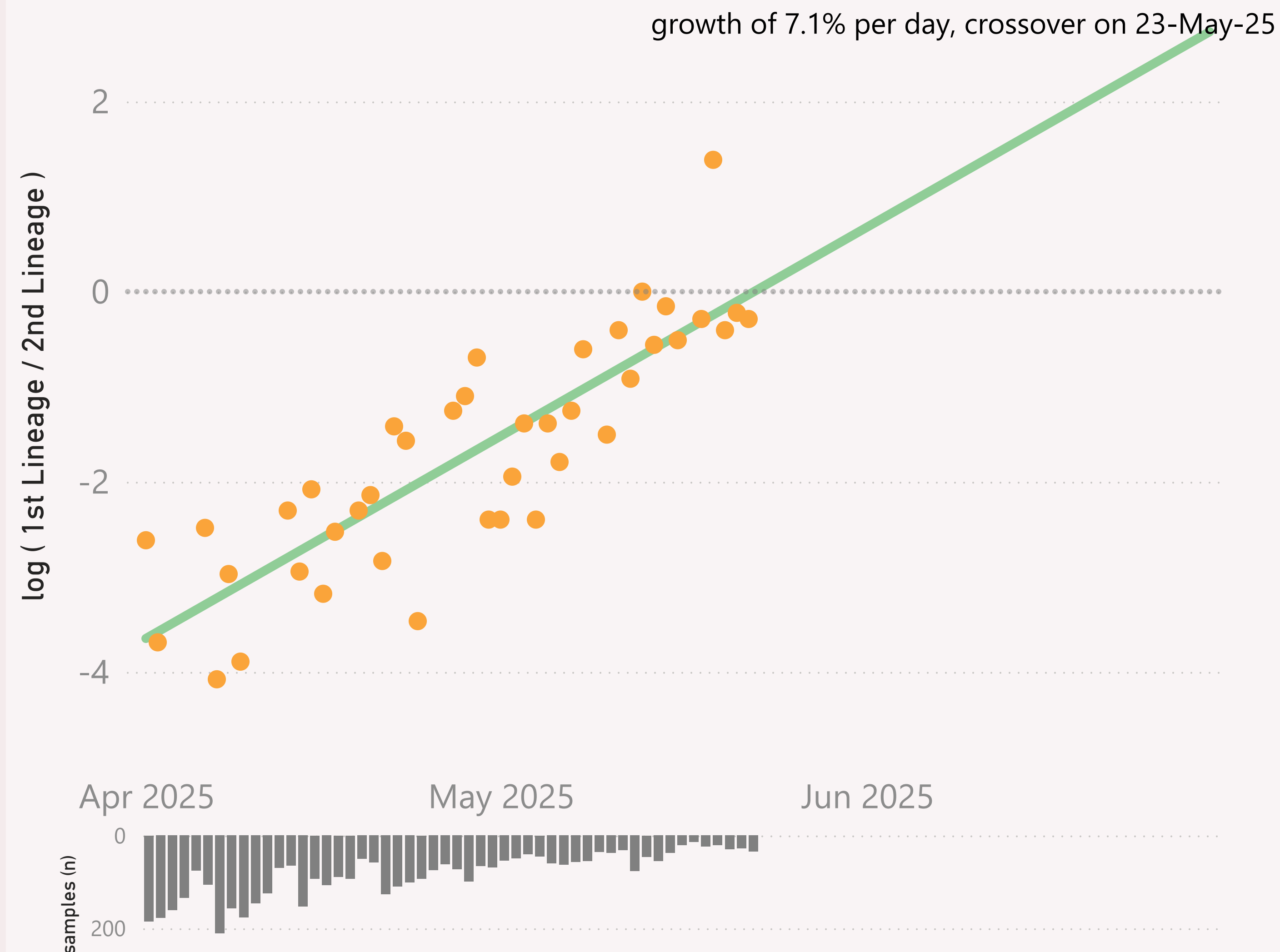
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n=4,229 sequenced genomes, from 1 April 2025 up to 22 May 2025

United States - NB.1.8.1 vs LP.8.1.1

● log (1st Lineage / 2nd Lineage) ● trend



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

The Lineage classifications are provided by Nextclade.

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.

United States



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
<div><div></div>United States</div>	10,944	22/05/2025		20/05/2025	
New York	2,501	22/05/2025		20/05/2025	
California	2,091	22/05/2025		20/05/2025	
Illinois	1,173	20/05/2025		20/05/2025	
Michigan	1,056	09/05/2025		20/05/2025	
Wisconsin	533	10/04/2025		01/05/2025	
Minnesota	435	22/04/2025		20/05/2025	
International Travellers	320	22/05/2025		20/05/2025	
New Jersey	295	14/04/2025		20/05/2025	
Massachusetts	286	03/05/2025		20/05/2025	
Colorado	268	27/04/2025		20/05/2025	
Tennessee	230	17/04/2025		20/05/2025	
Virginia	209	21/04/2025		20/05/2025	
Louisiana	193	14/04/2025		20/05/2025	
Rhode Island	157	15/05/2025		20/05/2025	
Connecticut	136	17/04/2025		20/05/2025	
Hawaii	96	21/05/2025		20/05/2025	
District of Columbia	90	05/05/2025		20/05/2025	
Utah	83	01/05/2025		20/05/2025	
Vermont	81	12/05/2025		20/05/2025	
Arizona	71	18/05/2025		20/05/2025	
Pennsylvania	67	05/05/2025		20/05/2025	
New Mexico	55	09/04/2025		20/05/2025	
Texas	55	08/05/2025		20/05/2025	
Oregon	54	08/05/2025		20/05/2025	
Georgia	48	20/04/2025		20/05/2025	
South Dakota	48	15/04/2025		12/05/2025	
South Carolina	43	22/04/2025		15/05/2025	
Total	10,944	22/05/2025		20/05/2025	

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.