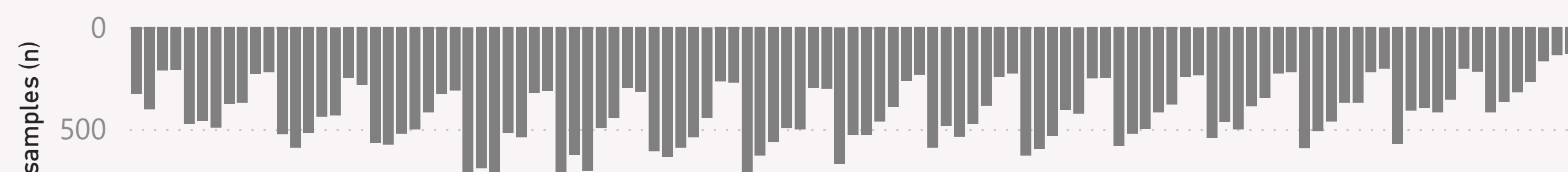
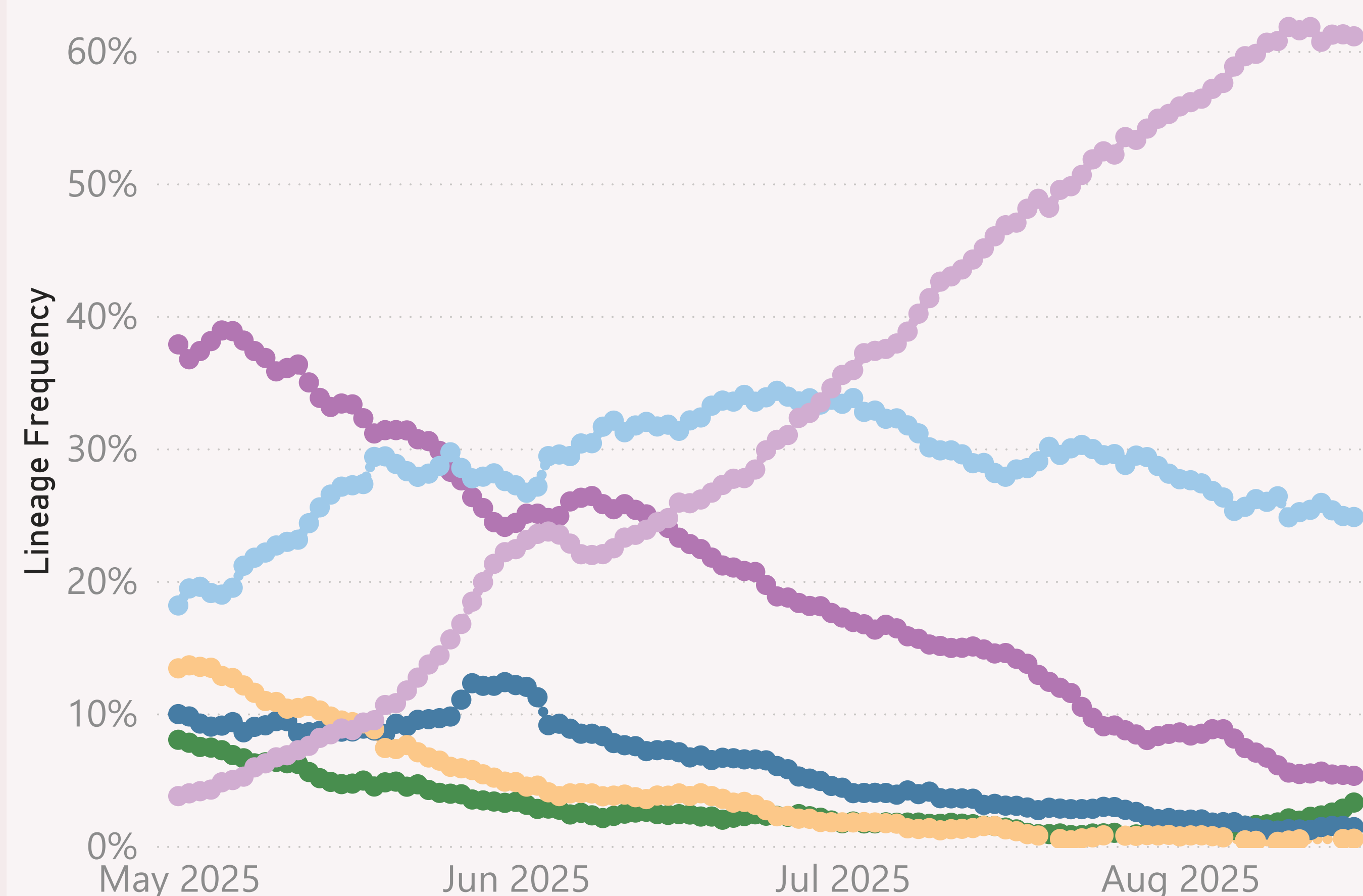


n=46,409 sequenced genomes, from 1 May 2025 up to 17 August 2025

Global

● JN.1.* +DeFLuQE ● JN.1.* +FLiRT ● LP.8.1.* ● NB.1.8.1.* Nimbus ● XEC.* ● XFG.*



This page shows the frequency of the top 6 "L2" lineages, across recent months.

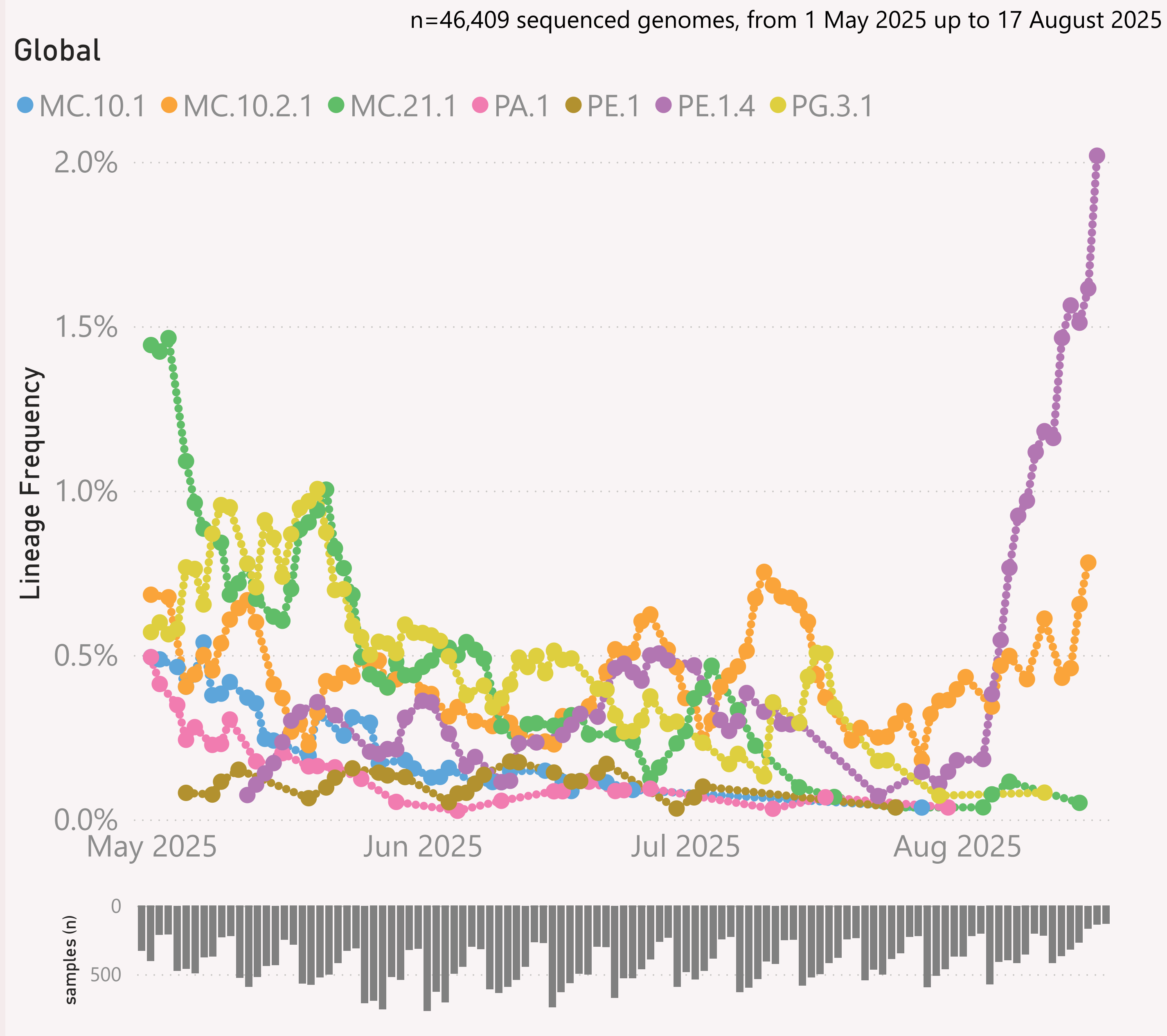
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "BA.2.86.*" group includes BA.2.86 and all it's descendants, e.g. the JN.* lineages.

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.



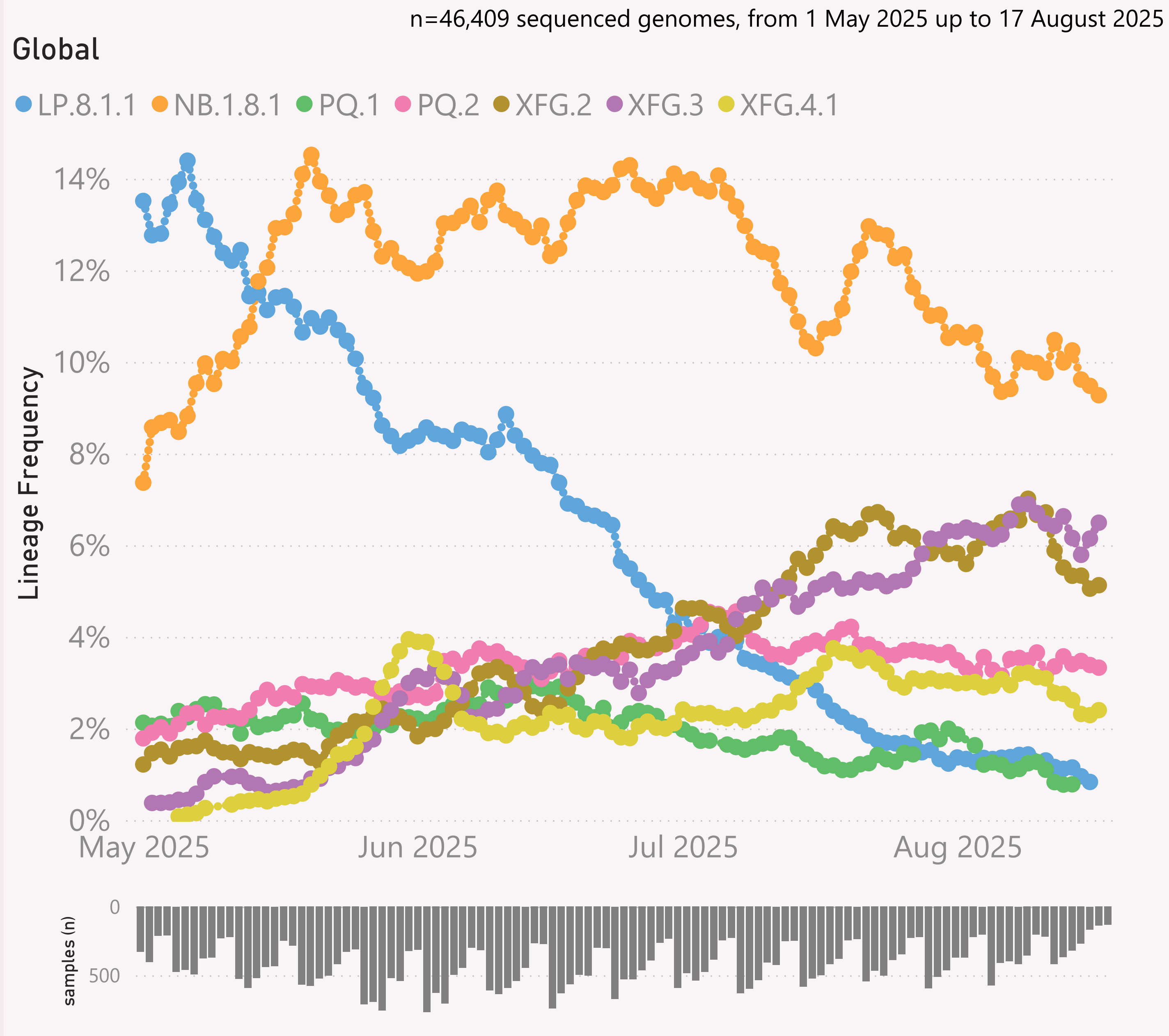
This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest.

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

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

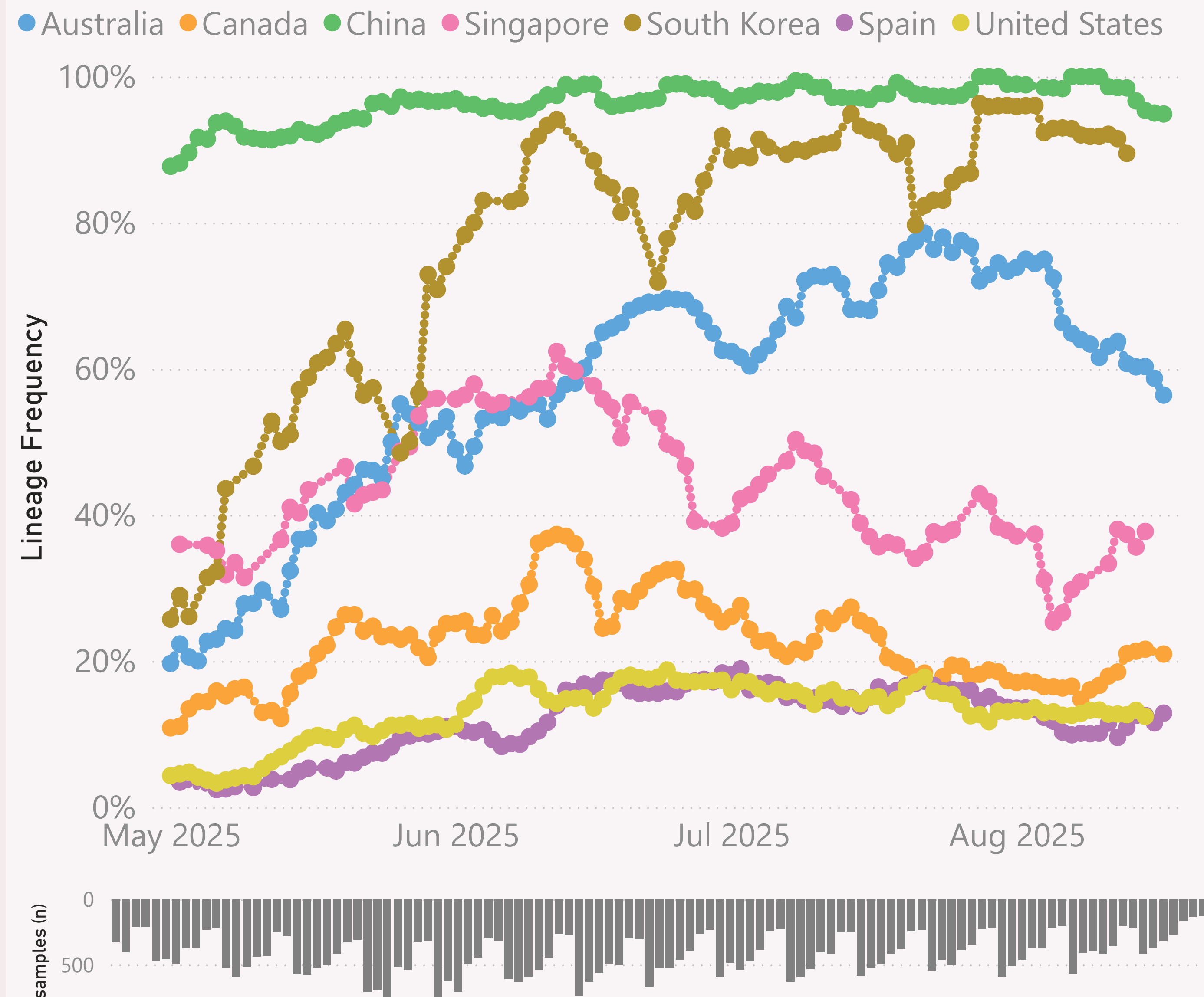
The frequency shown at each point is based on the 7-day rolling average across all lineages.

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.

n=46,409 sequenced genomes, from 1 May 2025 up to 17 August 2025

NB.1.8.1.* Nimbus



This page shows the frequency of a selected "Lineage L2" group of interest, for the 7 countries reporting the most samples over recent months.

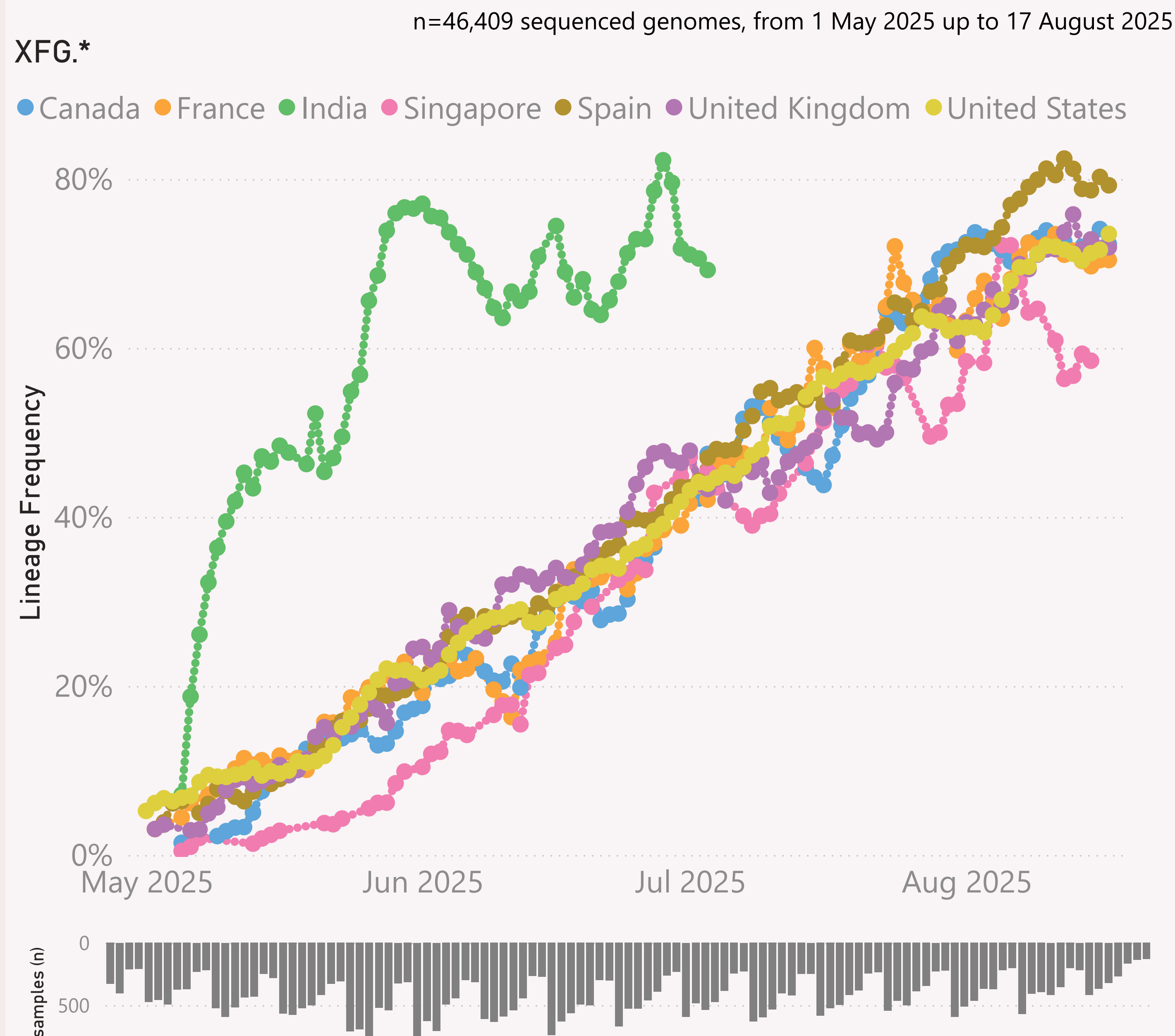
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "JN.1.* +FLiRT" group includes the descendants of JN.1.* with the mutations: F456L & R346T.

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, for that country.

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 a selected "Lineage L2" group of interest, for the 7 countries reporting the most samples over recent months.

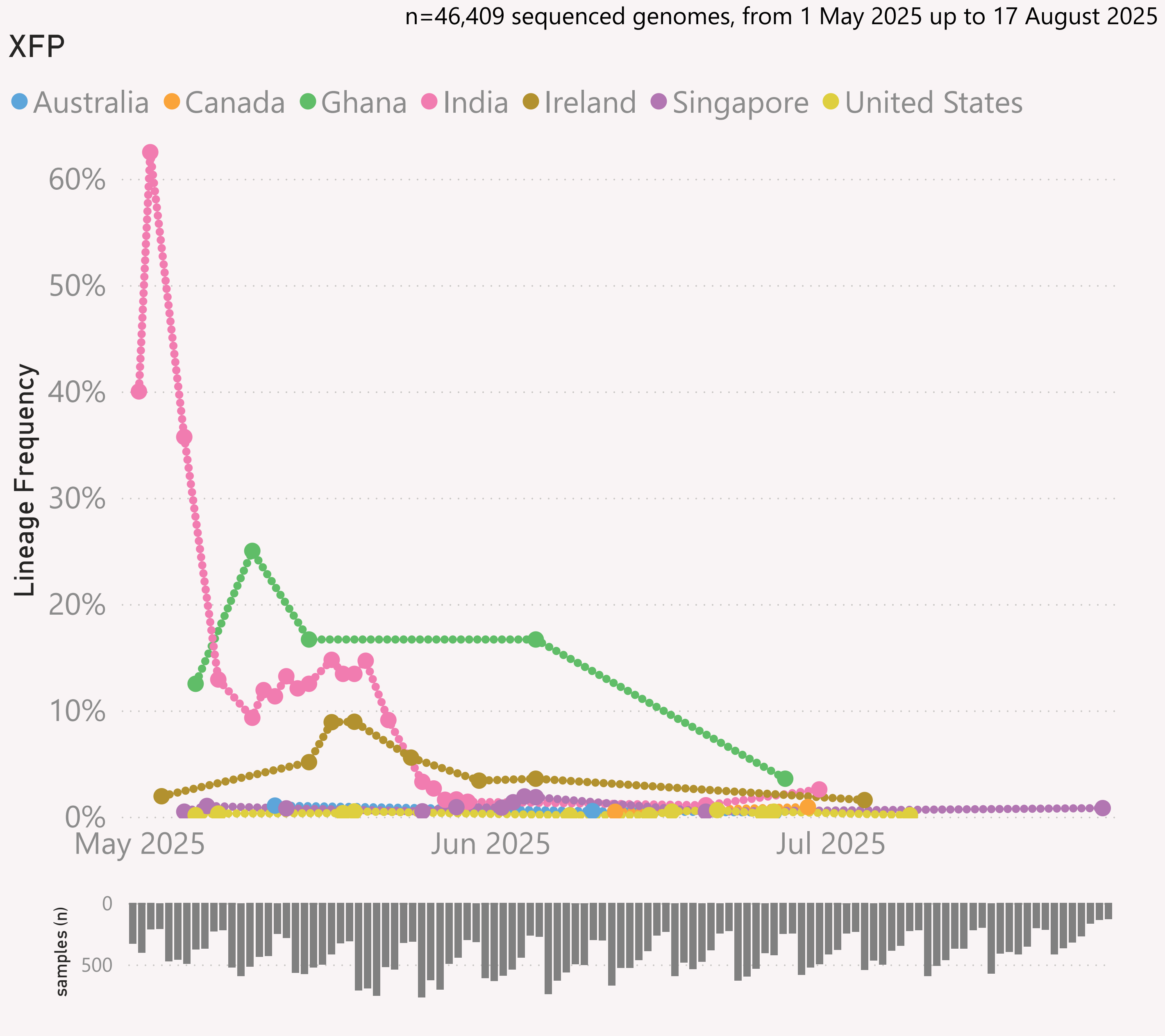
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "JN.1.* +FLiRT" group includes the descendants of JN.1.* with the mutations: F456L & R346T.

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, for that country.

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.



Date

01/01/2025

31/12/2025

Continent, Country, Location

All

Lineage L2, Lineage (nextclade)

XFP.* (Lineage L2) + XFP (Lineage (nextclad...

Samples Sequenced (gisaid)

89

Host

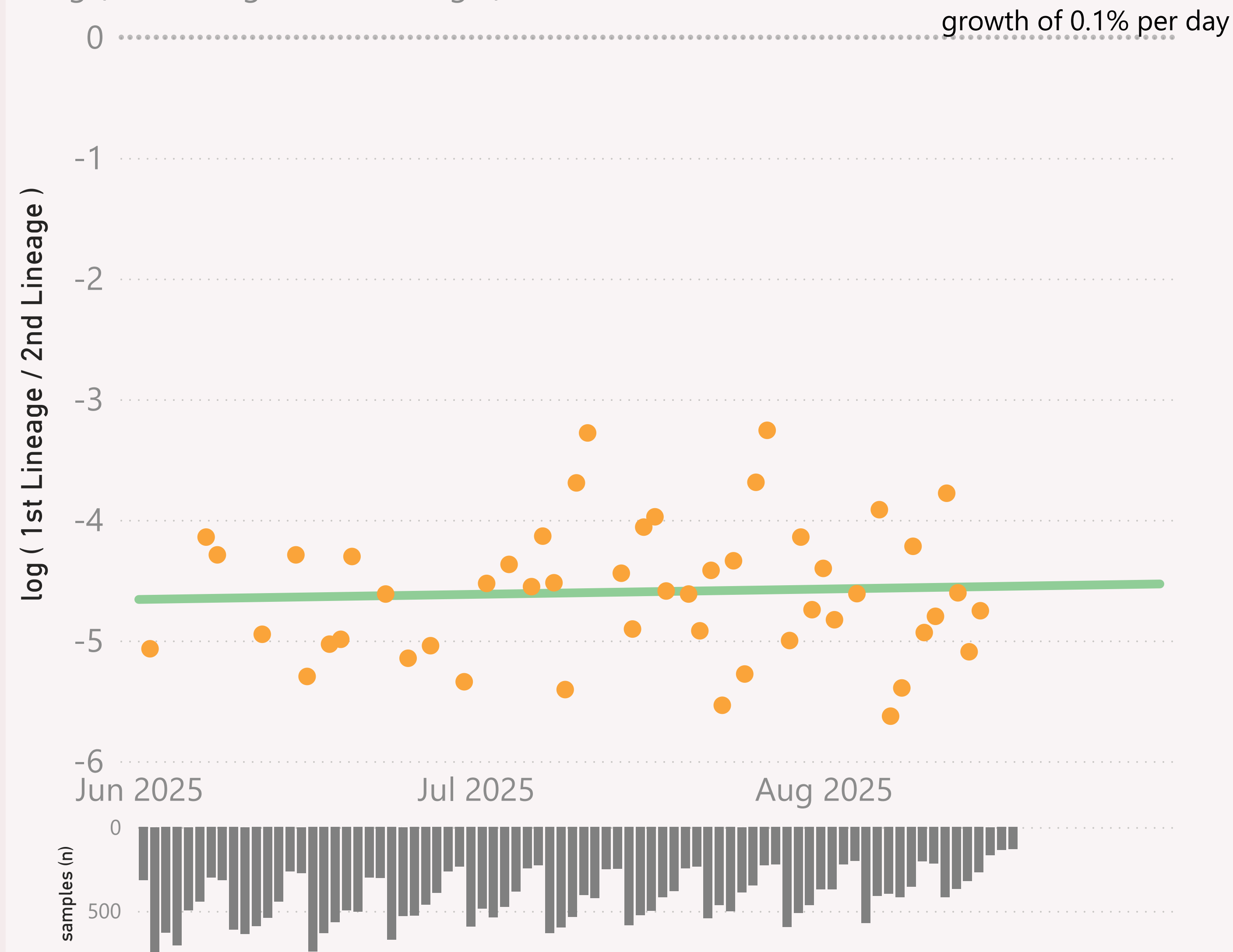
Human

Country	Location	Addi...	Collection date	Lineage L2	Lineage (nextc
France	Auvergne-Rho...		04/08/2025	XFP.*	XFP
Singapore			25/07/2025	XFP.*	XFP
Luxembourg			24/07/2025	XFP.*	XFP
Japan		Quar...	15/07/2025	XFP.*	XFP
USA	Texas		08/07/2025	XFP.*	XFP
Ireland	Dublin		04/07/2025	XFP.*	XFP
India	Maharashtra		30/06/2025	XFP.*	XFP
Canada	Ontario		29/06/2025	XFP.*	XFP
Ghana	Ashanti		27/06/2025	XFP.*	XFP
Germany	Rhineland-Pala...		27/06/2025	XFP.*	XFP
United Kingdom	Wales		27/06/2025	XFP.*	XFP
USA	Minnesota		26/06/2025	XFP.*	XFP
Australia	Victoria		26/06/2025	XFP.*	XFP
USA	Minnesota		25/06/2025	XFP.*	XFP
USA	Oregon		21/06/2025	XFP.*	XFP
France	Provence-Alpe...		21/06/2025	XFP.*	XFP
Singapore			20/06/2025	XFP.*	XFP
India	Chhattisgarh		20/06/2025	XFP.*	XFP
USA	Massachusetts		17/06/2025	XFP.*	XFP
USA	Minnesota		17/06/2025	XFP.*	XFP
USA	International Tr...		15/06/2025	XFP.*	XFP
Canada	Ontario		12/06/2025	XFP.*	XFP
Total					

n=32,778 sequenced genomes, from 1 June 2025 up to 17 August 2025

Global - Xfv.* vs Xfg.*

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



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.

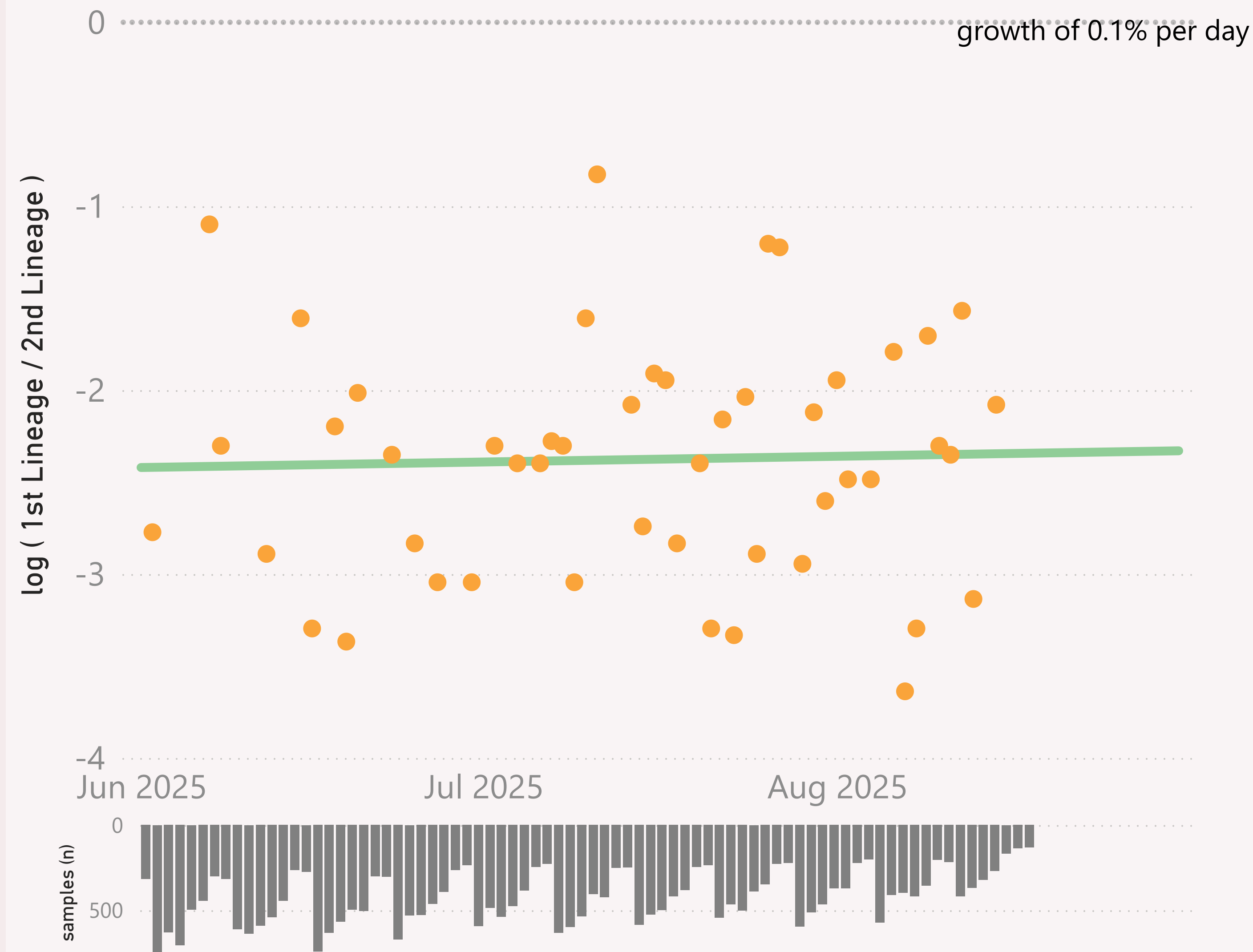
The Lineage classifications are provided by Nextclade. I add the "Lineage L2" groups, typically following common variant groupings, but occasionally being "creative".

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=32,778 sequenced genomes, from 1 June 2025 up to 17 August 2025

Global - XfV vs XFG.3

● $\log (1st \text{ Lineage} / 2nd \text{ Lineage})$ ● trend

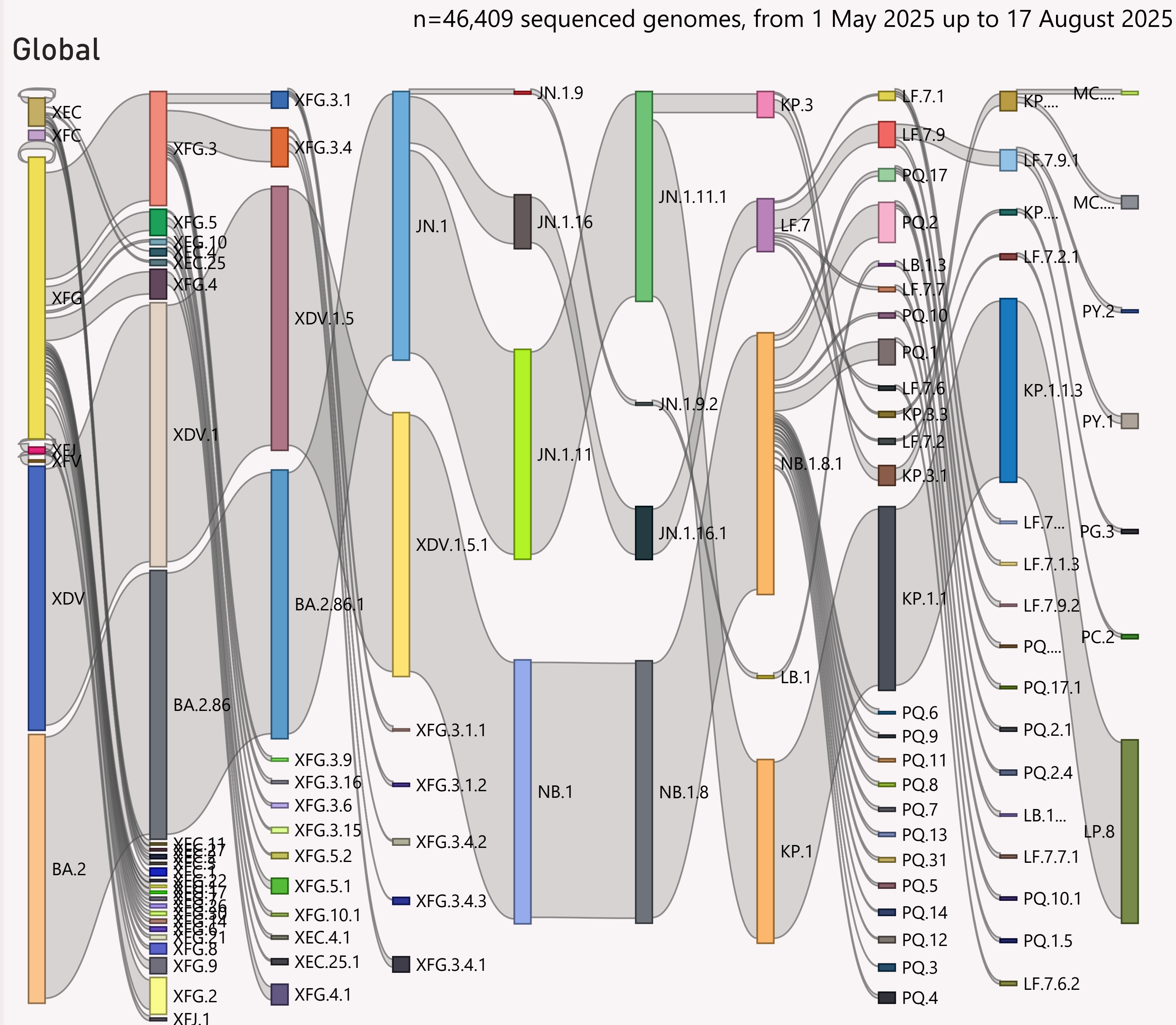


This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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.



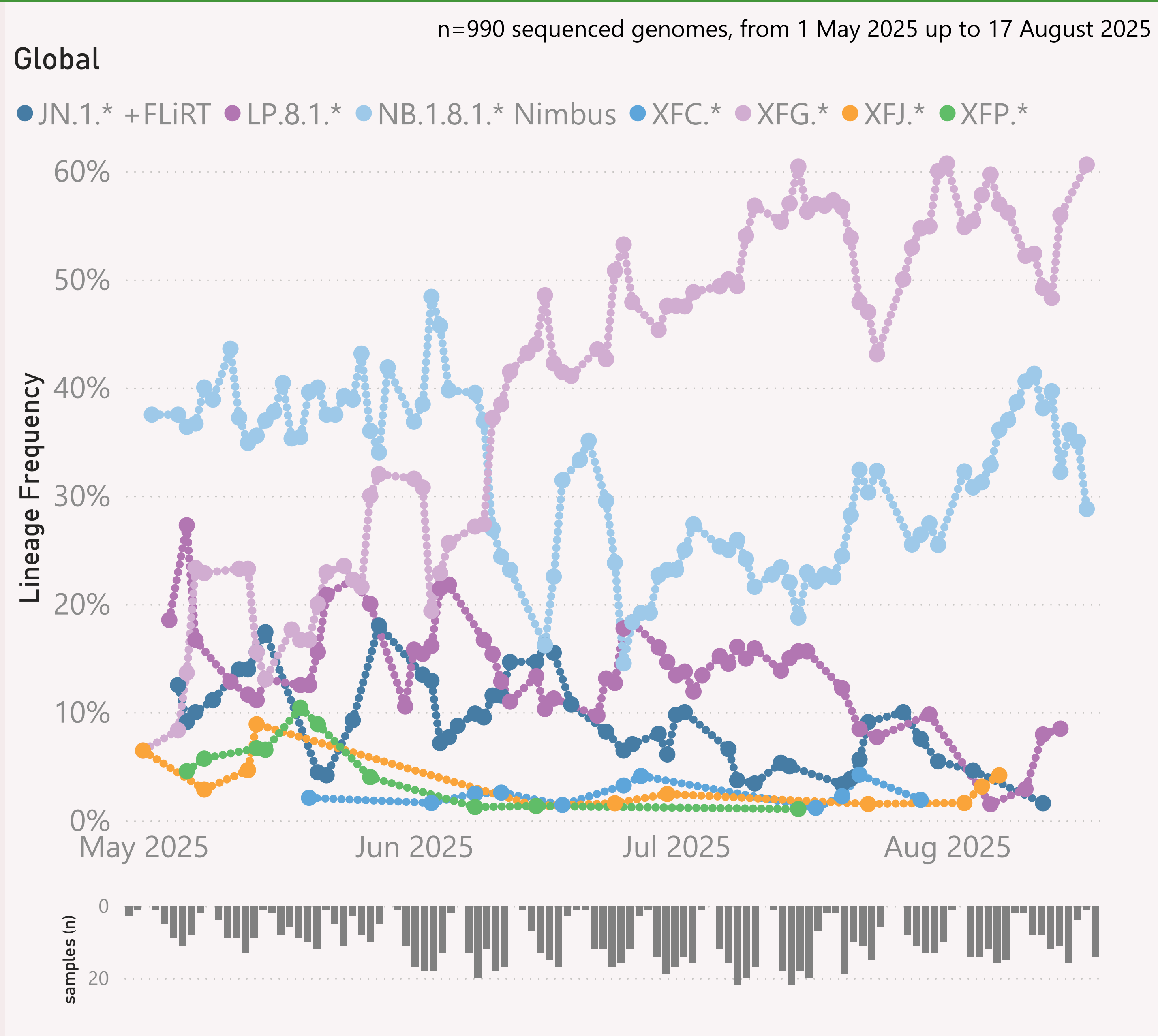
This page shows the hierarchy of the significant Lineages, over recent months.

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.




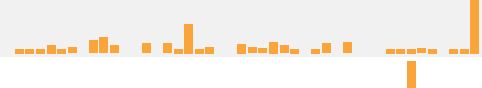


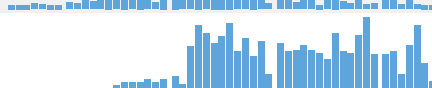





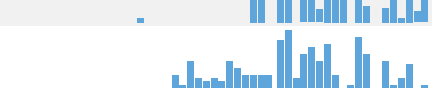

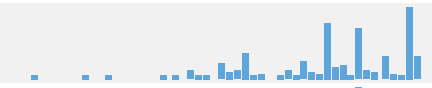



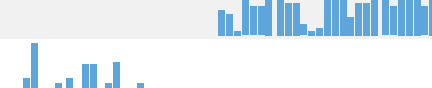


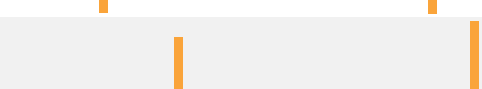


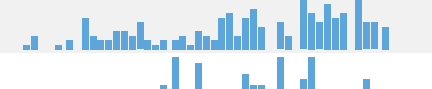

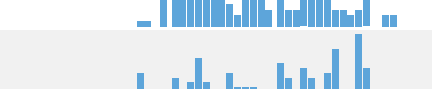

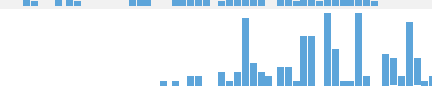


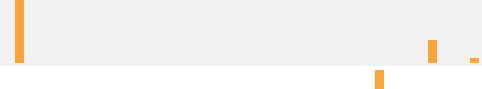





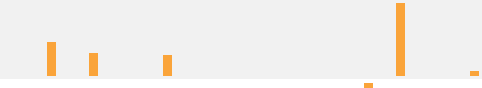








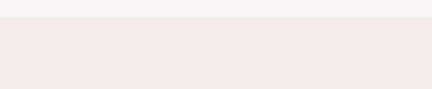
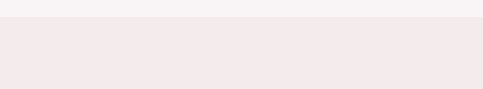
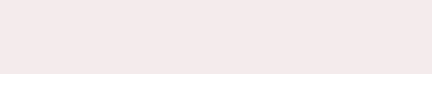
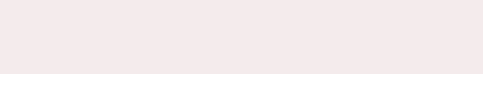


This page shows the frequency of the top 6 "L2" lineages, across recent months, for "International Traveller" samples.

This is probably a more randomised sample than the "Global" aggregate of all samples submitted to GISAID, as those are dominated by the US and Canada

These samples are mainly collected from arrivals into the US and Japan.

Data Submitted in the last 8 weeks

Country	# Samples Sequenced	Latest Collection date	by Collection date	Latest Submission date	by Submission date
<div>+ </div> United States	6,295	17/08/2025		26/08/2025	
<div>+ </div> Spain	3,778	17/08/2025		26/08/2025	
<div>+ </div> United Kingdom	1,957	17/08/2025		26/08/2025	
<div>+ </div> China	1,809	17/08/2025		26/08/2025	
<div>+ </div> Canada	1,725	17/08/2025		26/08/2025	
<div>+ </div> Australia	1,208	17/08/2025		26/08/2025	
<div>+ </div> France	1,044	17/08/2025		26/08/2025	
<div>+ </div> Singapore	744	15/08/2025		25/08/2025	
<div>+ </div> Ireland	639	17/08/2025		26/08/2025	
<div>+ </div> South Korea	599	13/08/2025		26/08/2025	
<div>+ </div> Japan	509	17/08/2025		26/08/2025	
<div>+ </div> New Zealand	509	17/08/2025		26/08/2025	
<div>+ </div> Mexico	485	19/06/2025		22/08/2025	
<div>+ </div> Portugal	434	03/08/2025		26/08/2025	
<div>+ </div> Brazil	429	15/08/2025		26/08/2025	
<div>+ </div> Russia	405	05/08/2025		26/08/2025	
<div>+ </div> Costa Rica	371	12/08/2025		26/08/2025	
<div>+ </div> Luxembourg	361	04/08/2025		25/08/2025	
<div>+ </div> Germany	322	17/08/2025		26/08/2025	
<div>+ </div> Thailand	317	14/08/2025		26/08/2025	
<div>+ </div> India	293	03/07/2025		17/08/2025	
<div>+ </div> Ukraine	285	15/08/2025		26/08/2025	
<div>+ </div> Netherlands	266	17/08/2025		26/08/2025	
<div>+ </div> Puerto Rico	232	16/08/2025		26/08/2025	
<div>+ </div> Denmark	221	11/08/2025		26/08/2025	
<div>+ </div> Taiwan	214	30/07/2025		26/08/2025	
<div>+ </div> Malaysia	199	11/08/2025		26/08/2025	
<div>+ </div> Italy	183	17/08/2025		26/08/2025	
<div>- </div> Total	27,030	17/08/2025		26/08/2025	

This page shows the volume and currency/timeliness of the genomic sequencing data shared via GISAID, over the last 8 weeks, for the countries sharing the most samples.

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.