

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 its 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.

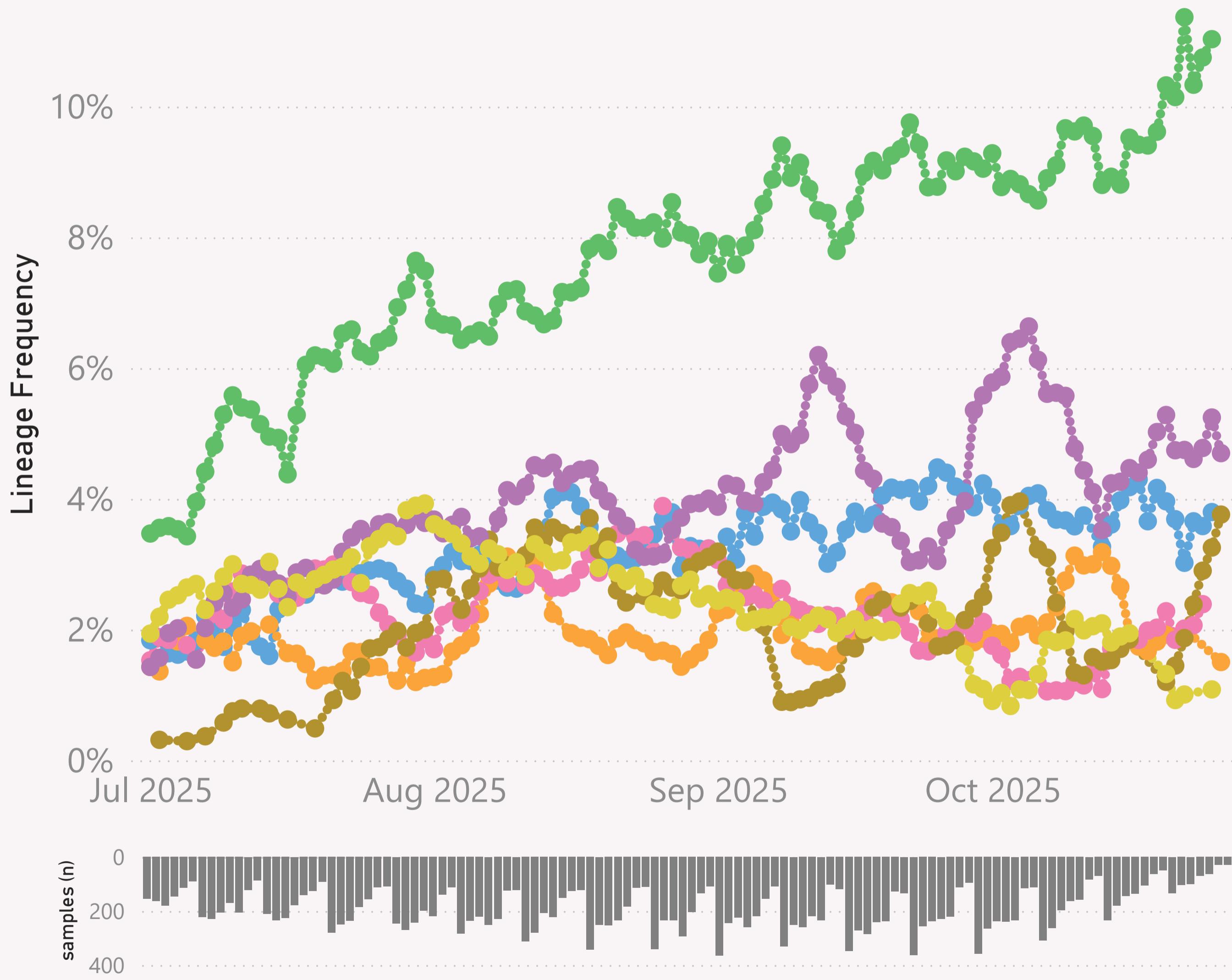
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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

Europe (excl UK)

● XFG ● XFG.2 ● XFG.3 ● XFG.3.1 ● XFG.30 ● XFG.5.1 ● XFG.8

n=22,541 sequenced genomes, from 1 July 2025 up to 26 October 2025



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.*" and "XFJ.*".

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

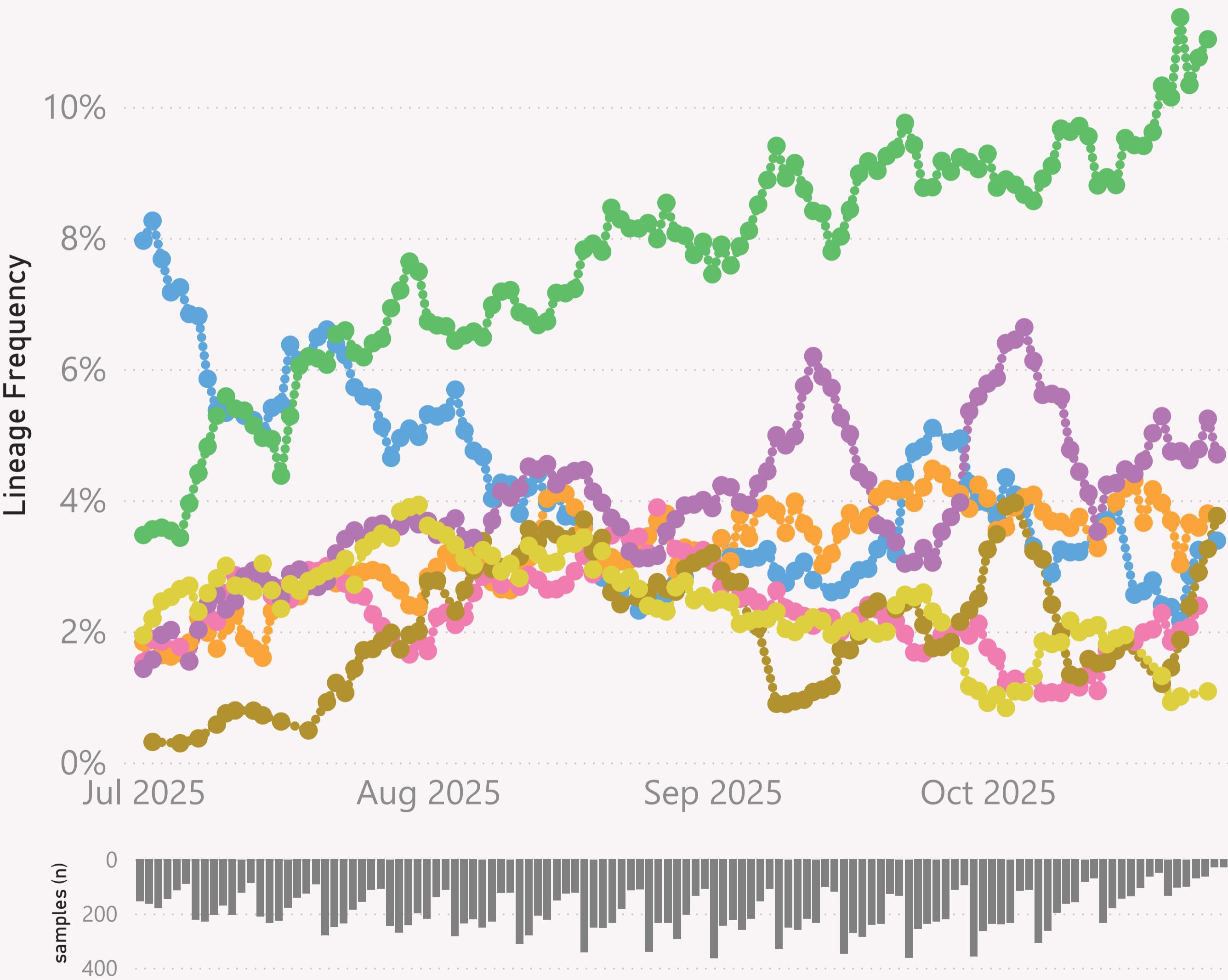
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Europe (excl UK)

• NB.1.8.1 • XFG • XFG.3 • XFG.3.1 • XFG.30 • XFG.5.1 • XFG.8



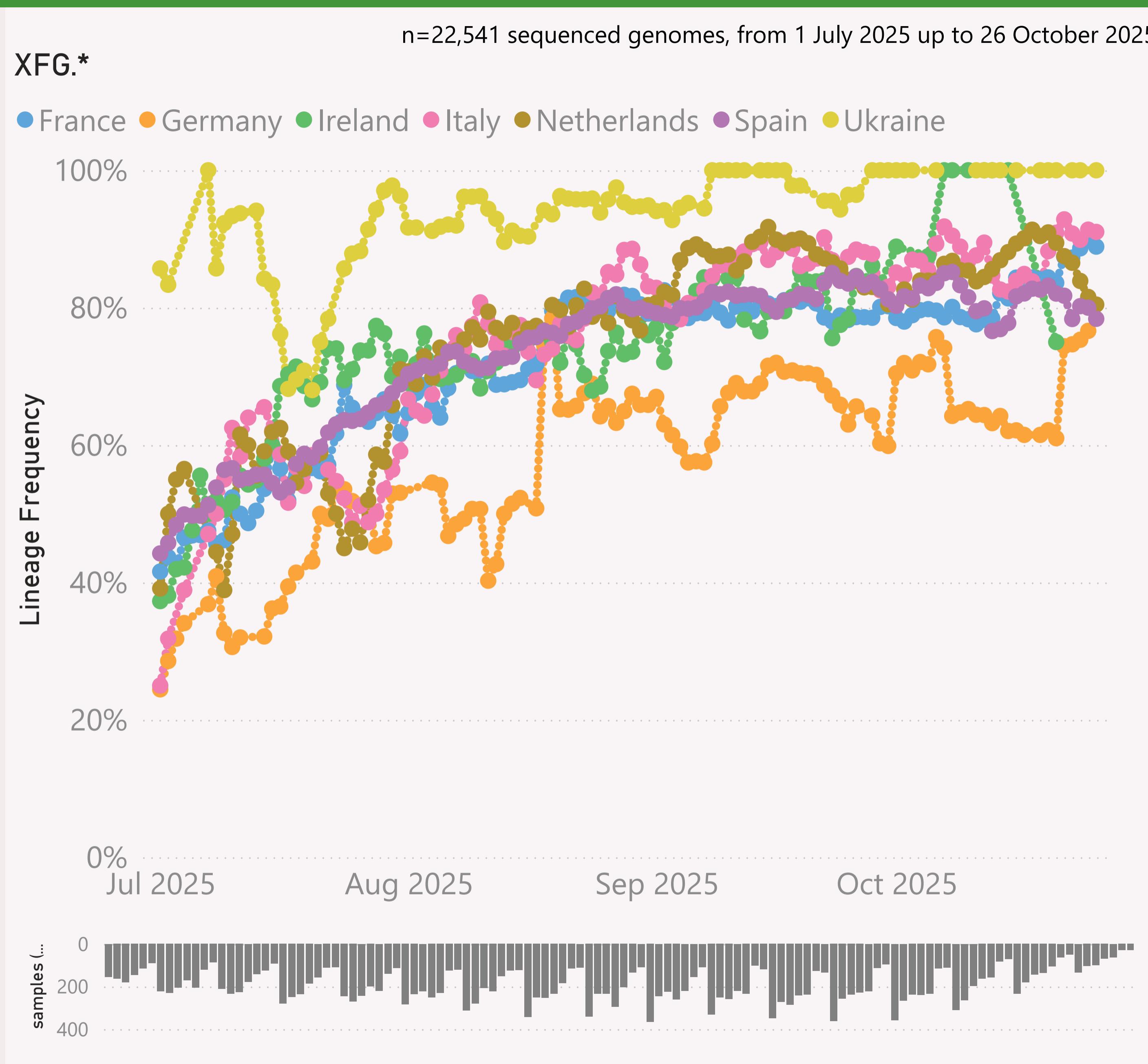
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This page shows the frequency of a selected Lineage L2 of interest, for the 7 countries reporting the most samples over recent months.

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 country.

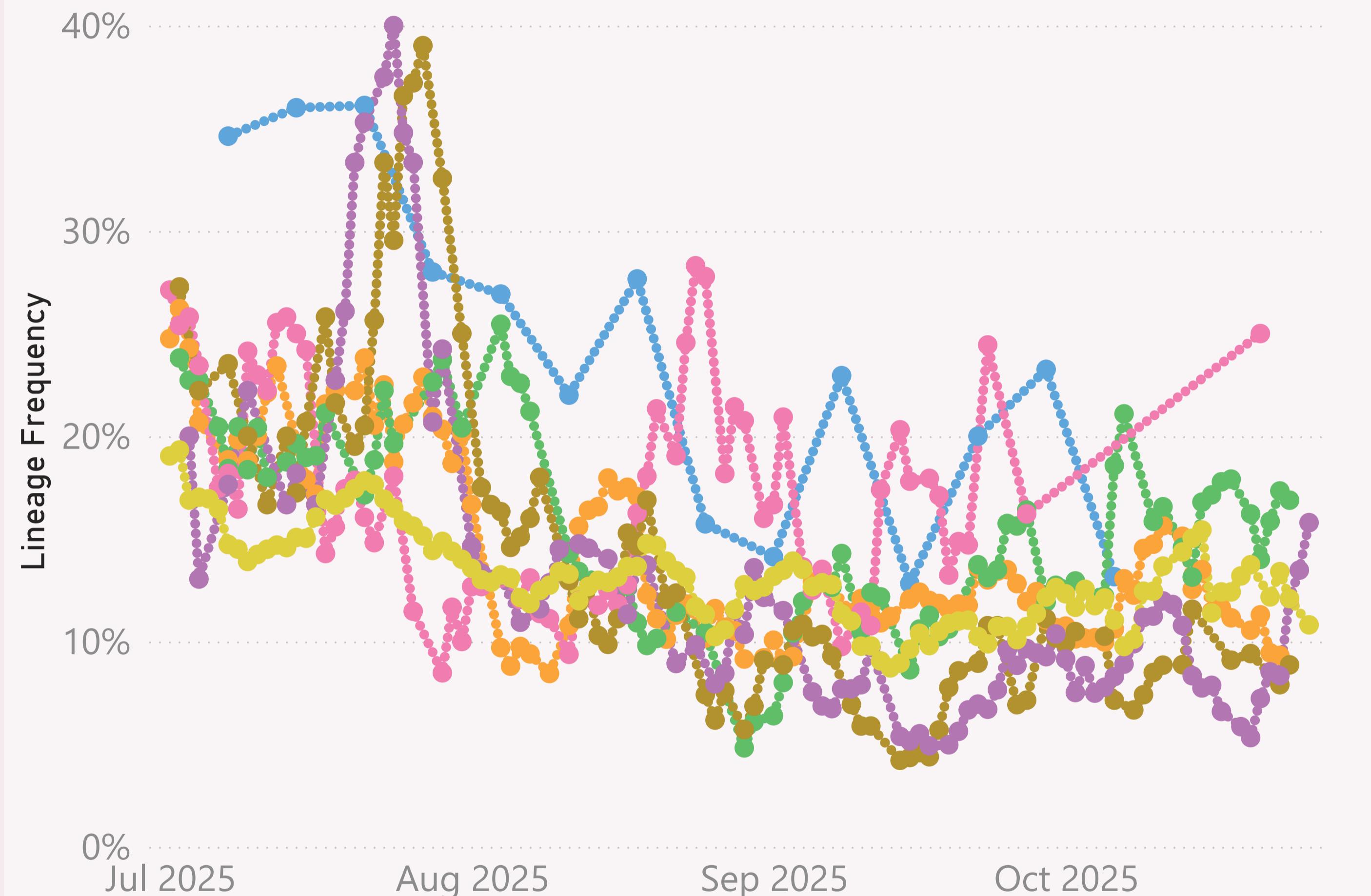
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n=22,541 sequenced genomes, from 1 July 2025 up to 26 October 2025

NB.1.8.1.* Nimbus

- Denmark
- France
- Germany
- Ireland
- Italy
- Netherlands
- Spain



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

The Lineage classifications are provided by Nextclade.

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n=22,541 sequenced genomes, from 1 July 2025 up to 26 October 2025

XFJ

- France ● Germany ● Ireland ● Italy ● Slovenia ● Spain

3.0%

2.5%

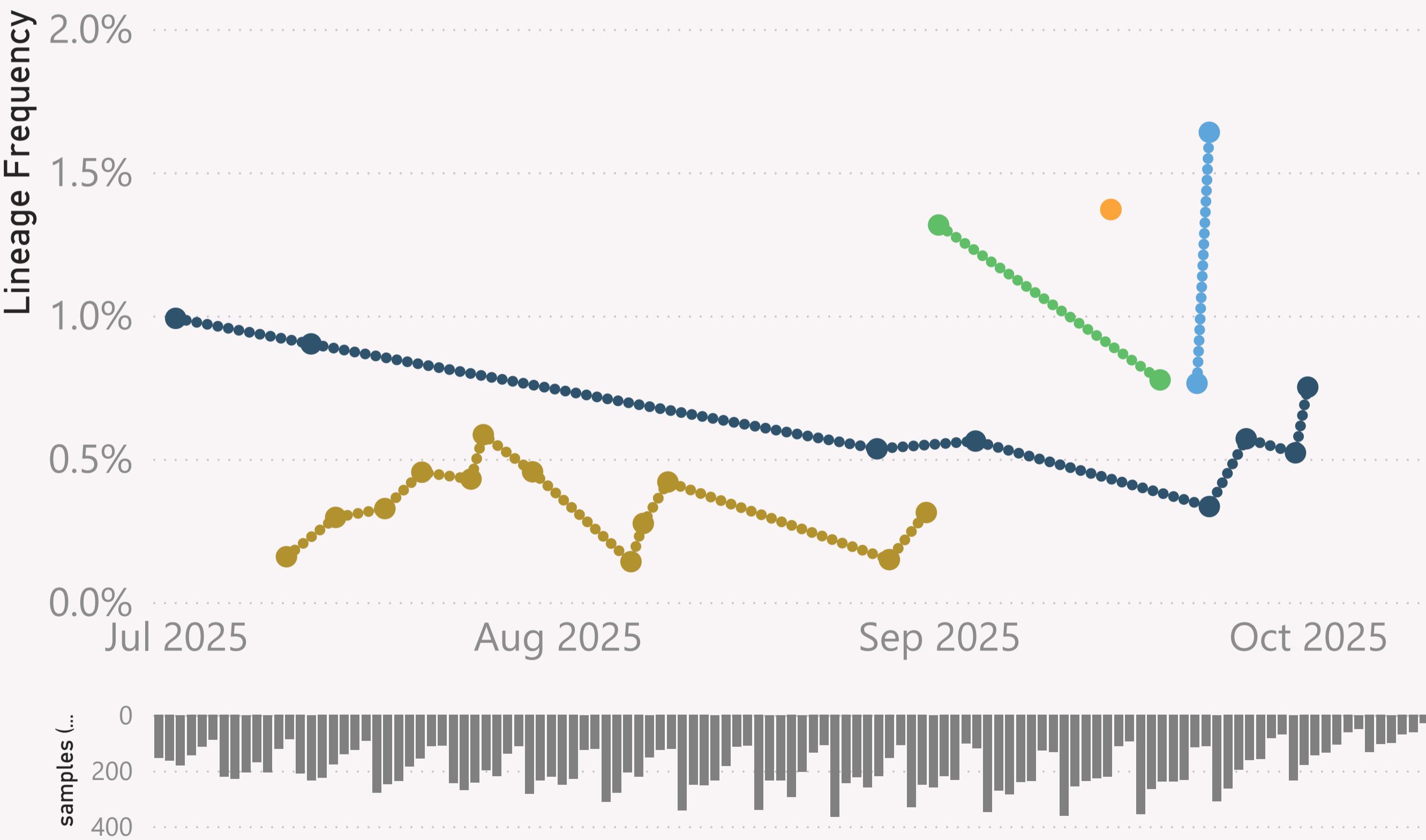
2.0%

1.5%

1.0%

0.5%

0.0%



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

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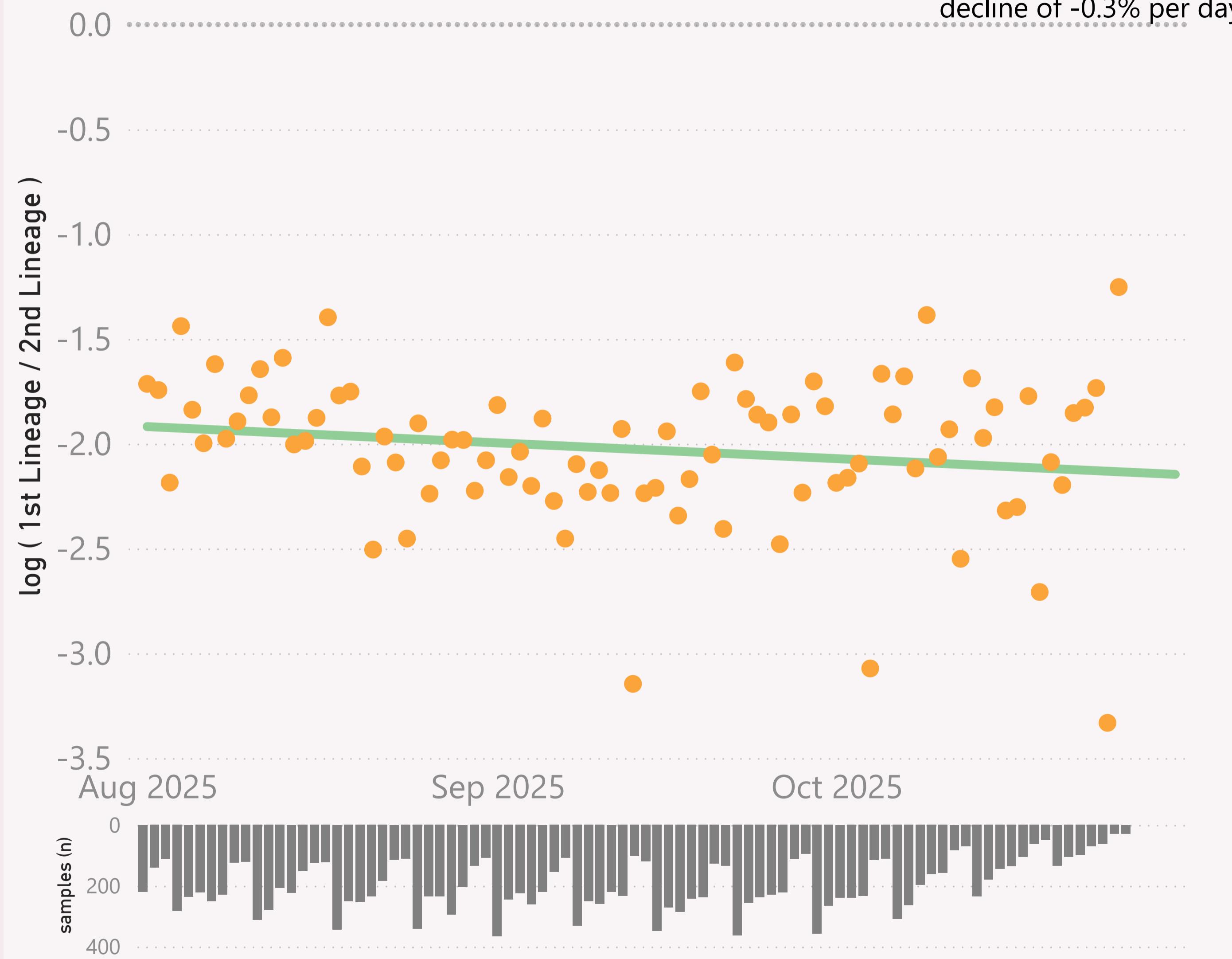
The frequency results calculated for the most recent dates might not be representative, due to those lower sample sizes.

n=16,941 sequenced genomes, from 1 August 2025 up to 26 October 2025

Europe (excl UK) - XFG.* vs LP.8.1.*

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

decline of -0.3% per day



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".

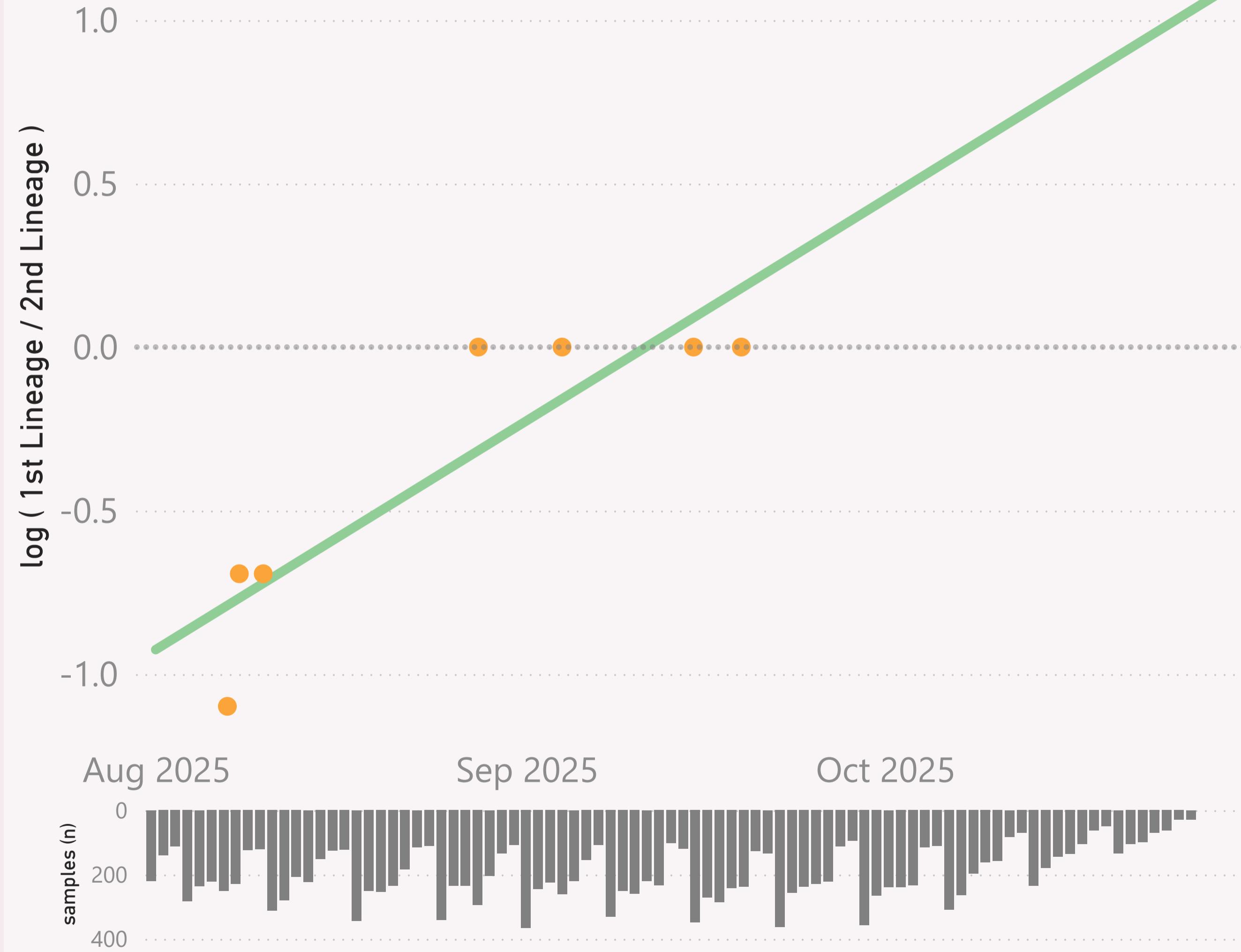
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n=16,941 sequenced genomes, from 1 August 2025 up to 26 October 2025

Europe (excl UK) - XFJ vs LP8.1.1

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

growth of 2.3% per day, crossover on 12-Sep-25



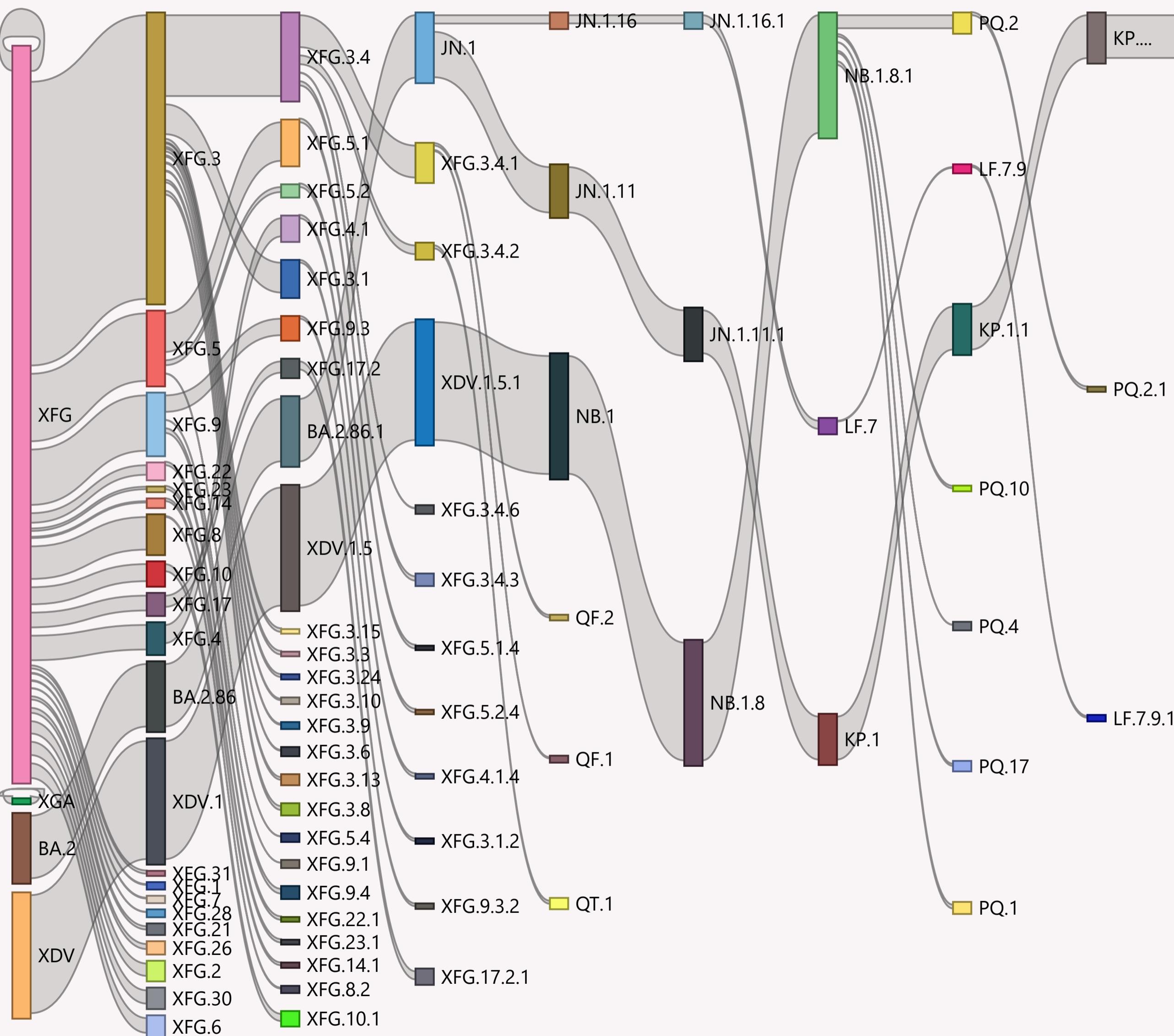
This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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.

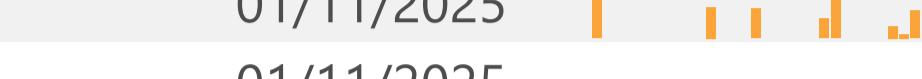
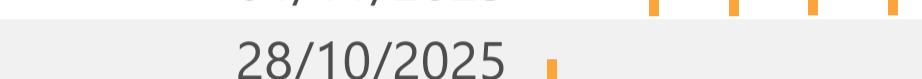
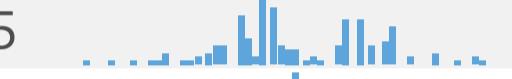
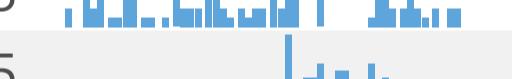
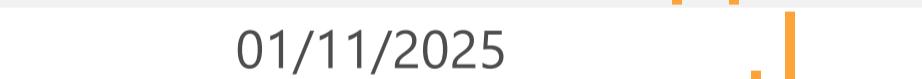
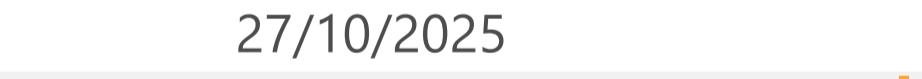
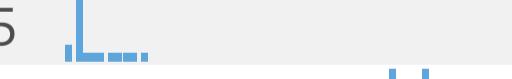
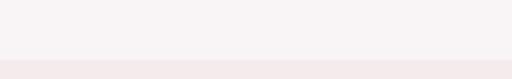
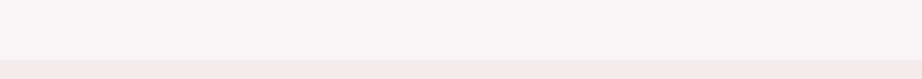
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Europe (excl UK)



Data Submitted in the last 8 weeks

Country	# Samples Sequenced	Latest Collection date	by Collection date	Latest Submission date	by Submission date
+ Spain	4,696	26/10/2025		01/11/2025	
+ France	2,301	26/10/2025		01/11/2025	
+ Netherlands	1,327	26/10/2025		01/11/2025	
+ Italy	910	26/10/2025		01/11/2025	
+ Germany	840	25/10/2025		01/11/2025	
+ Luxembourg	538	10/10/2025		28/10/2025	
+ Denmark	465	06/10/2025		31/10/2025	
+ Russia	398	30/09/2025		06/10/2025	
+ Slovenia	393	25/10/2025		01/11/2025	
+ Ukraine	385	26/10/2025		01/11/2025	
+ Ireland	365	21/10/2025		01/11/2025	
+ Poland	328	26/10/2025		01/11/2025	
+ Sweden	248	26/10/2025		01/11/2025	
+ Switzerland	209	15/09/2025		09/10/2025	
+ Finland	194	19/10/2025		01/11/2025	
+ Lithuania	180	29/09/2025		19/10/2025	
+ Belgium	170	23/10/2025		01/11/2025	
+ Norway	132	21/10/2025		31/10/2025	
+ Romania	85	22/10/2025		01/11/2025	
+ Czechia	52	06/10/2025		15/10/2025	
+ Hungary	51	26/09/2025		27/10/2025	
+ Malta	43	24/07/2025		27/10/2025	
+ Croatia	24	13/10/2025		01/11/2025	
+ North Macedonia	15	30/09/2025		10/10/2025	
+ Greece	12	13/09/2025		23/09/2025	
+ Slovakia	8	23/09/2025		14/10/2025	
Total	14,369	26/10/2025		01/11/2025	

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.