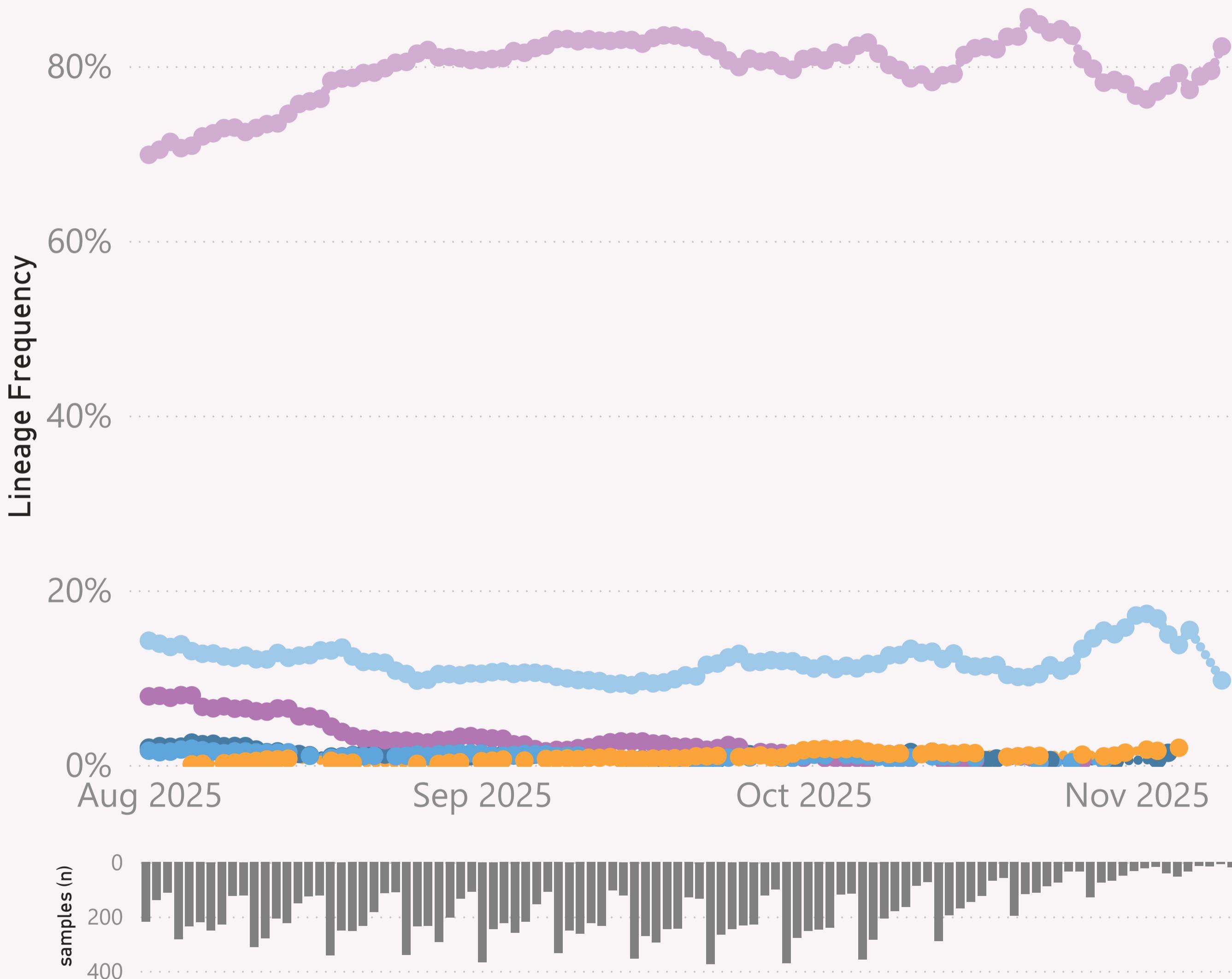


## Europe (excl UK)

● JN.1.\* +FLiRT ● LP.8.1.\* ● NB.1.8.1.\* Nimbus ● XFG.\* ● XFJ.\* ● XGA.\*



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.17.2.1 ● XFG.3 ● XFG.3.1 ● XFG.3.4.1 ● XFG.30 ● XFG.5.1

12%

10%

8%

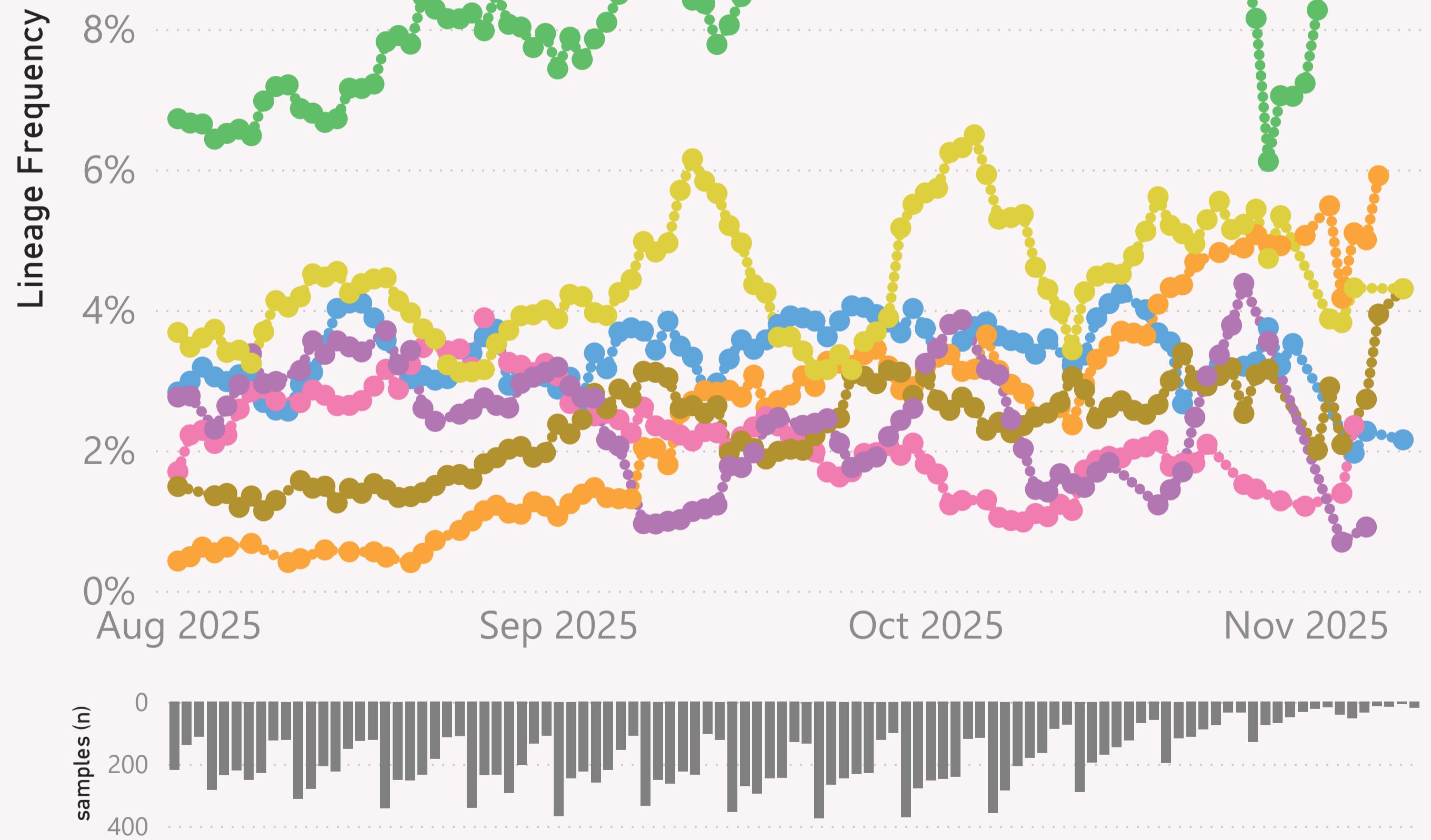
6%

4%

2%

0%

n=18,076 sequenced genomes, from 1 August 2025 up to 9 November 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.

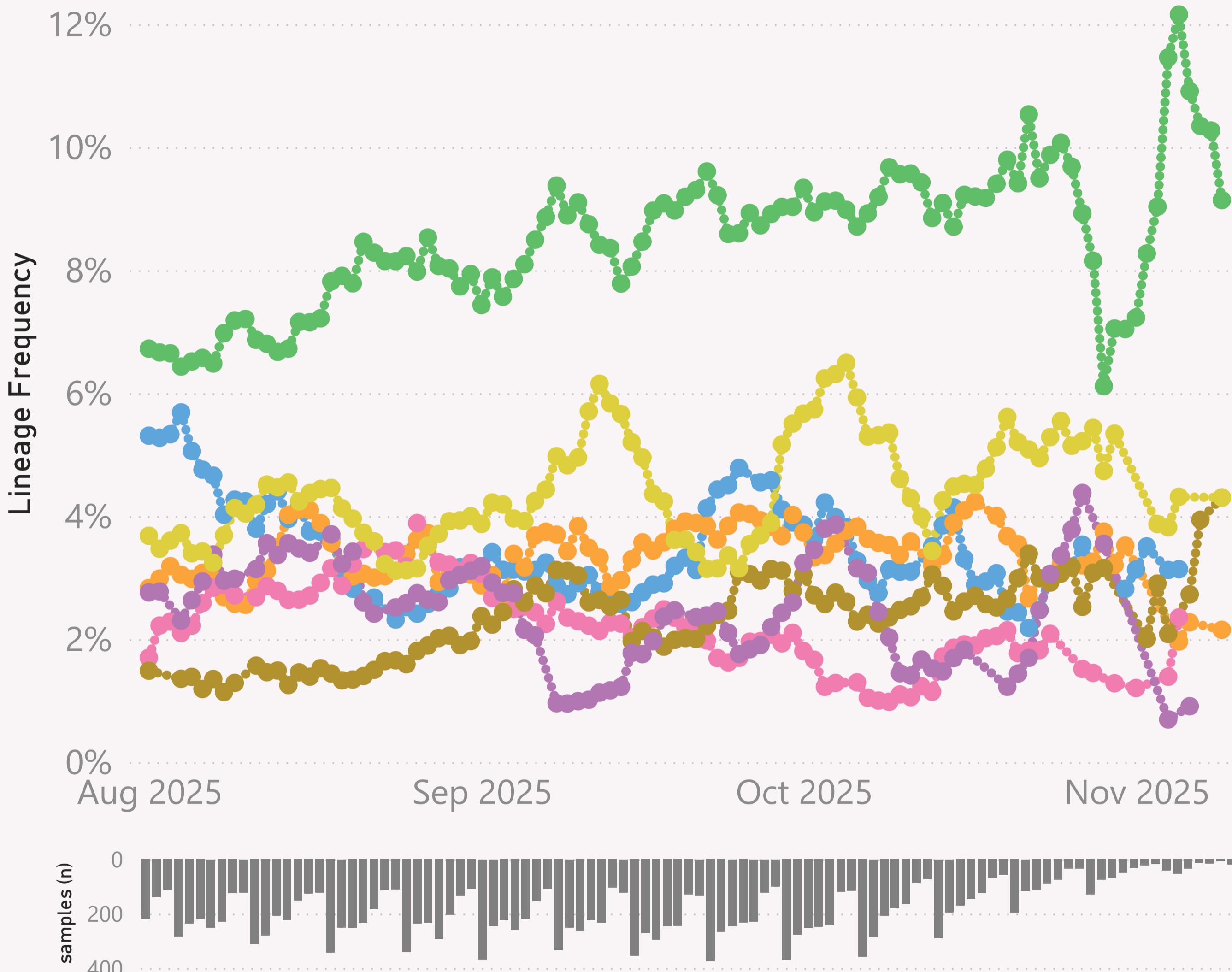
The frequency shown at each point is based on the 7-day rolling average across all lineages.

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)**

● NB.1.8.1 ● XFG ● XFG.3 ● XFG.3.1 ● XFG.3.4.1 ● XFG.30 ● XFG.5.1



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.

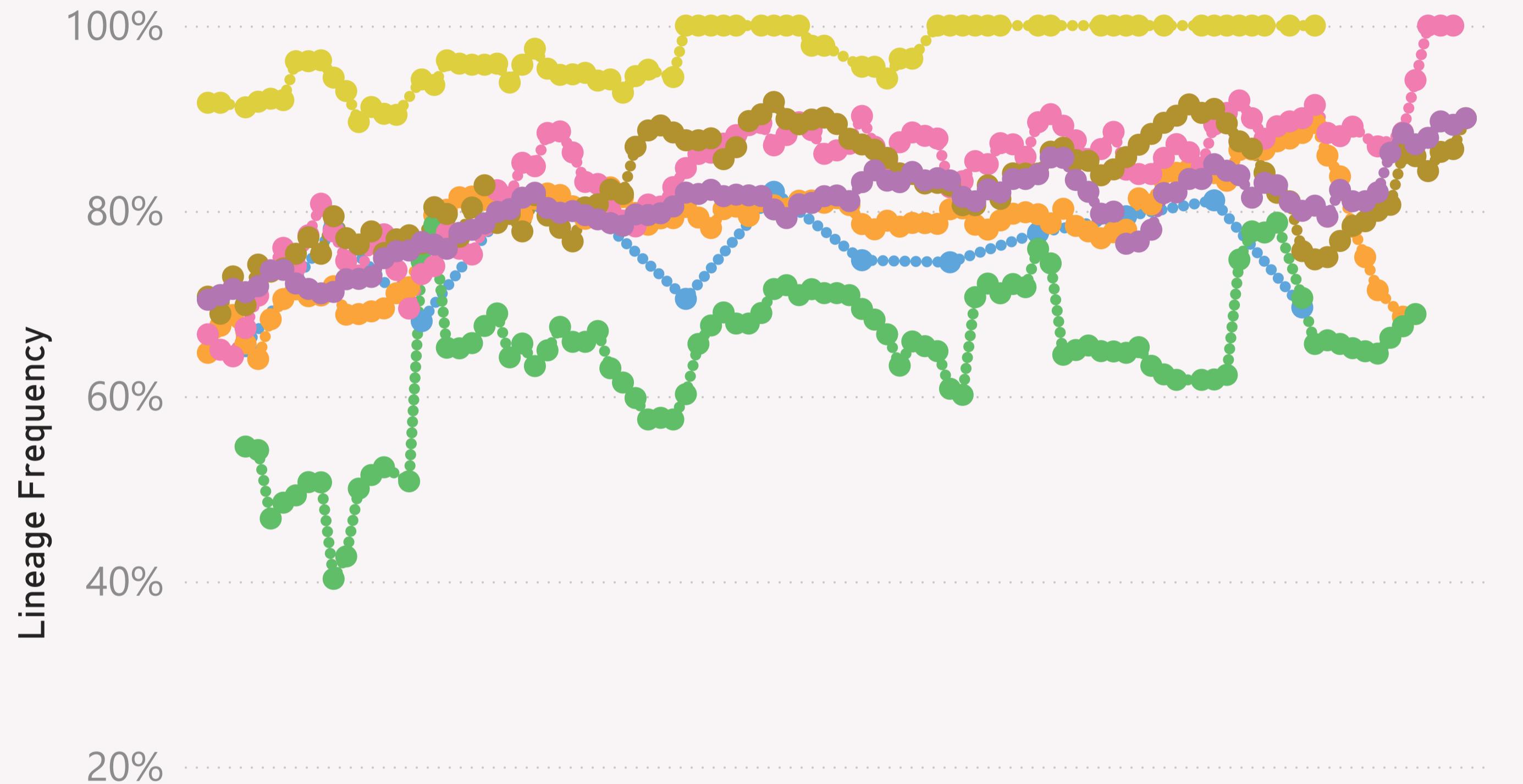
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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

XFG.\*

n=18,076 sequenced genomes, from 1 August 2025 up to 9 November 2025

- Denmark
- France
- Germany
- Italy
- Netherlands
- Spain
- Ukraine



Lineage Frequency

100%

80%

60%

40%

20%

0%

Aug 2025

Sep 2025

Oct 2025

Nov 2025

samples (...)

0

200

400

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.

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=18,076 sequenced genomes, from 1 August 2025 up to 9 November 2025

**NB.1.8.1.\* Nimbus**

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

100%

80%

60%

40%

20%

0%

Lineage Frequency

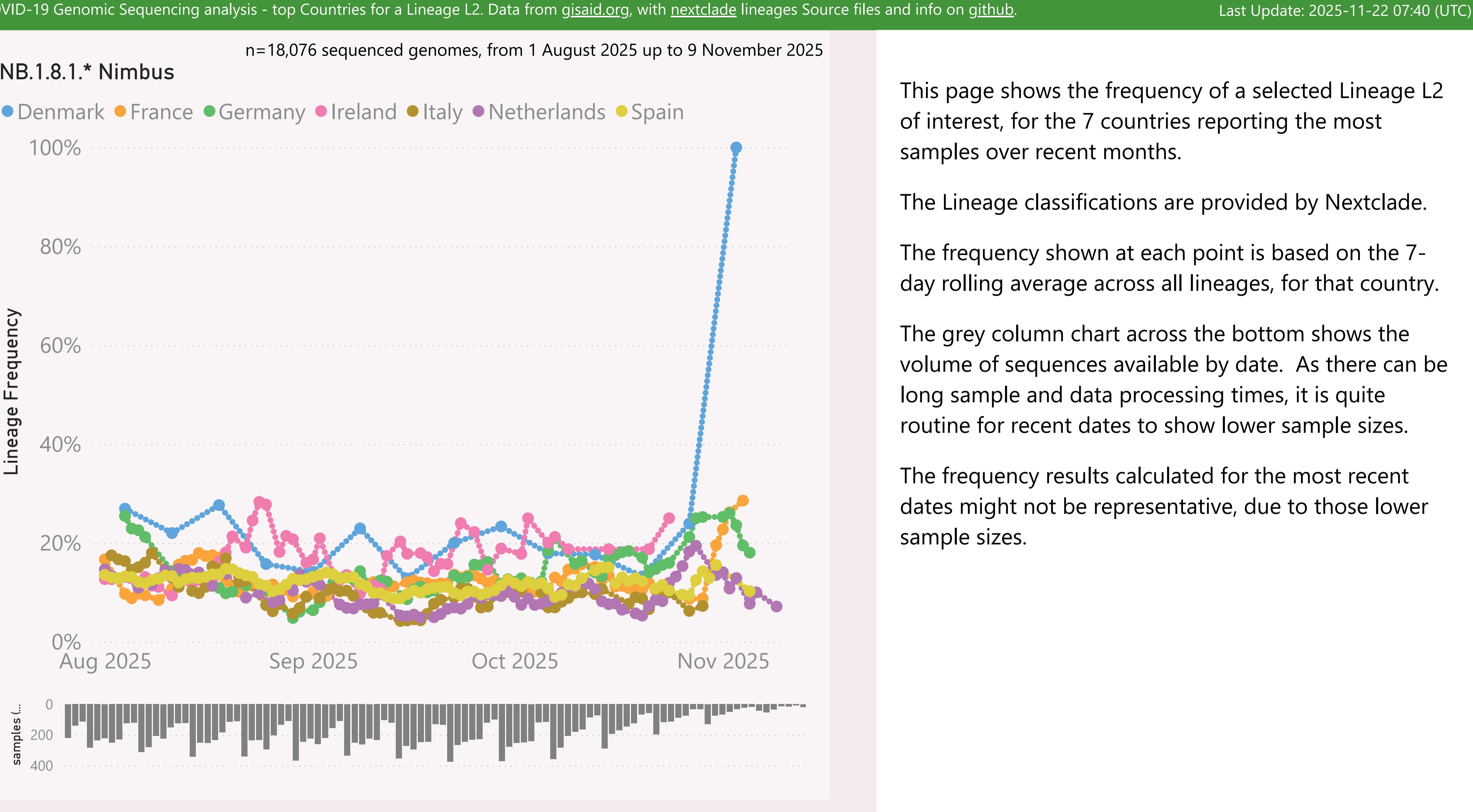
samples (...)

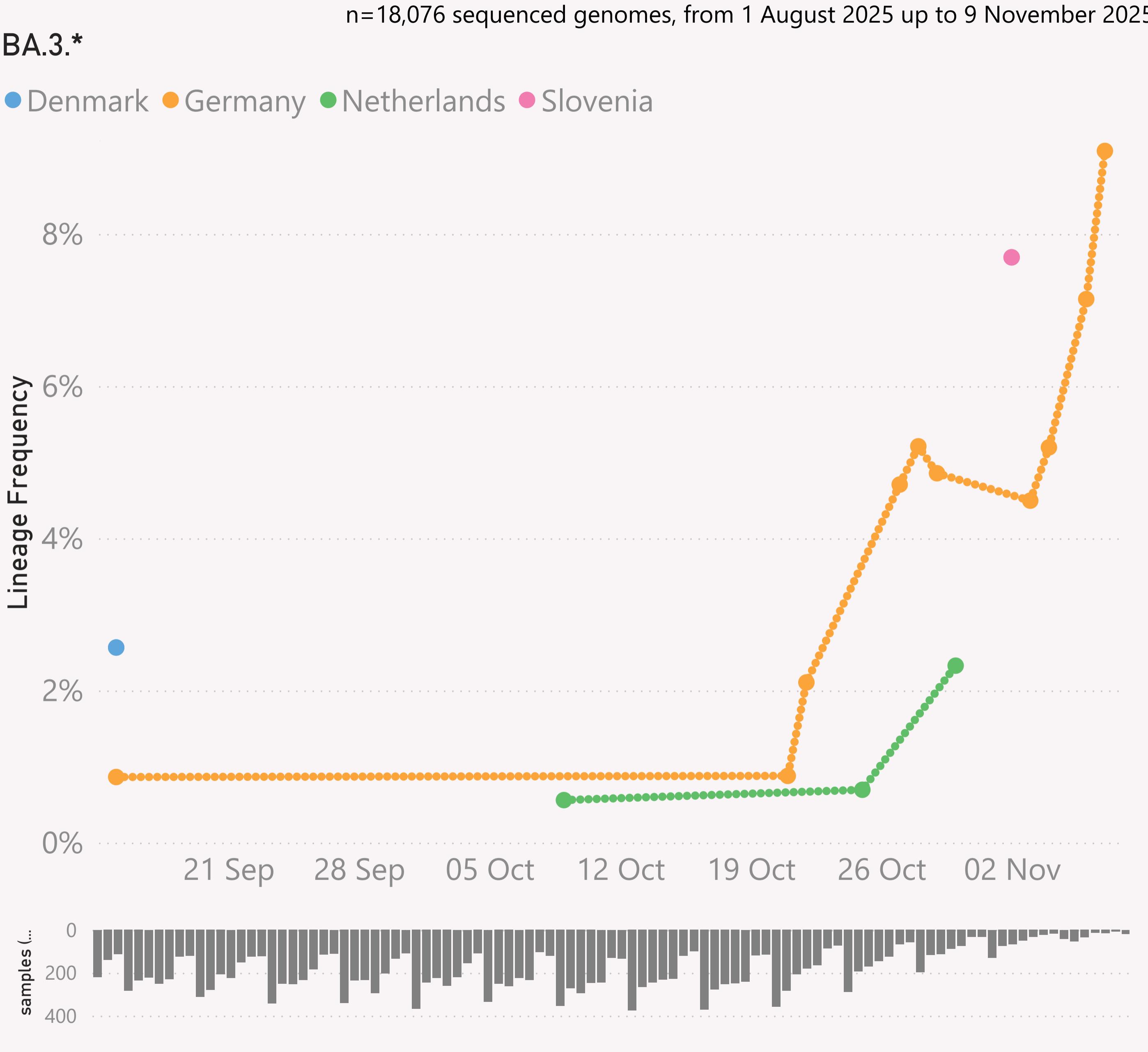
Aug 2025

Sep 2025

Oct 2025

Nov 2025





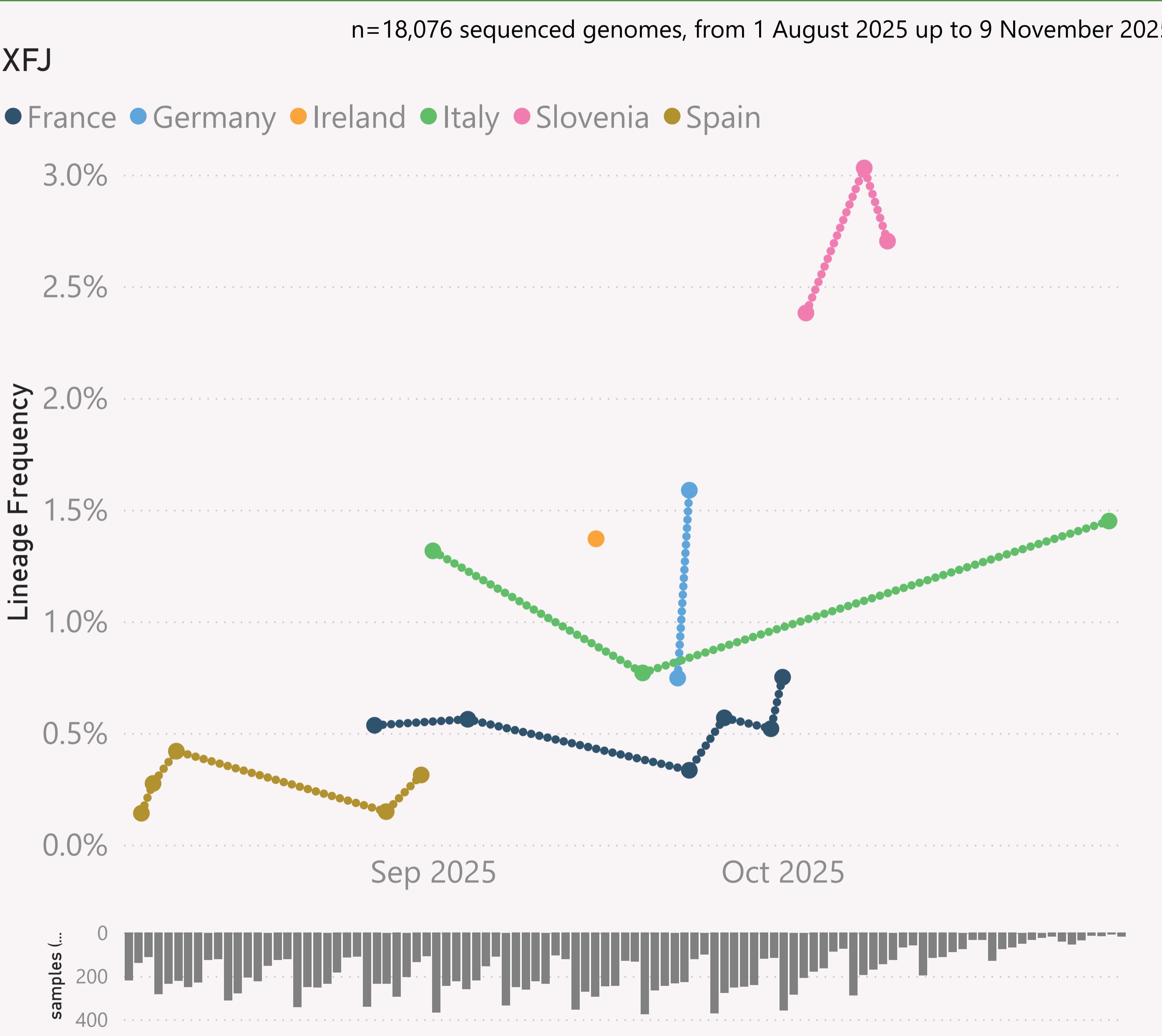
This page shows the frequency of a selected Lineage L2 of interest, for the 7 countries reporting the most samples over recent months.

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.

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 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.

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.

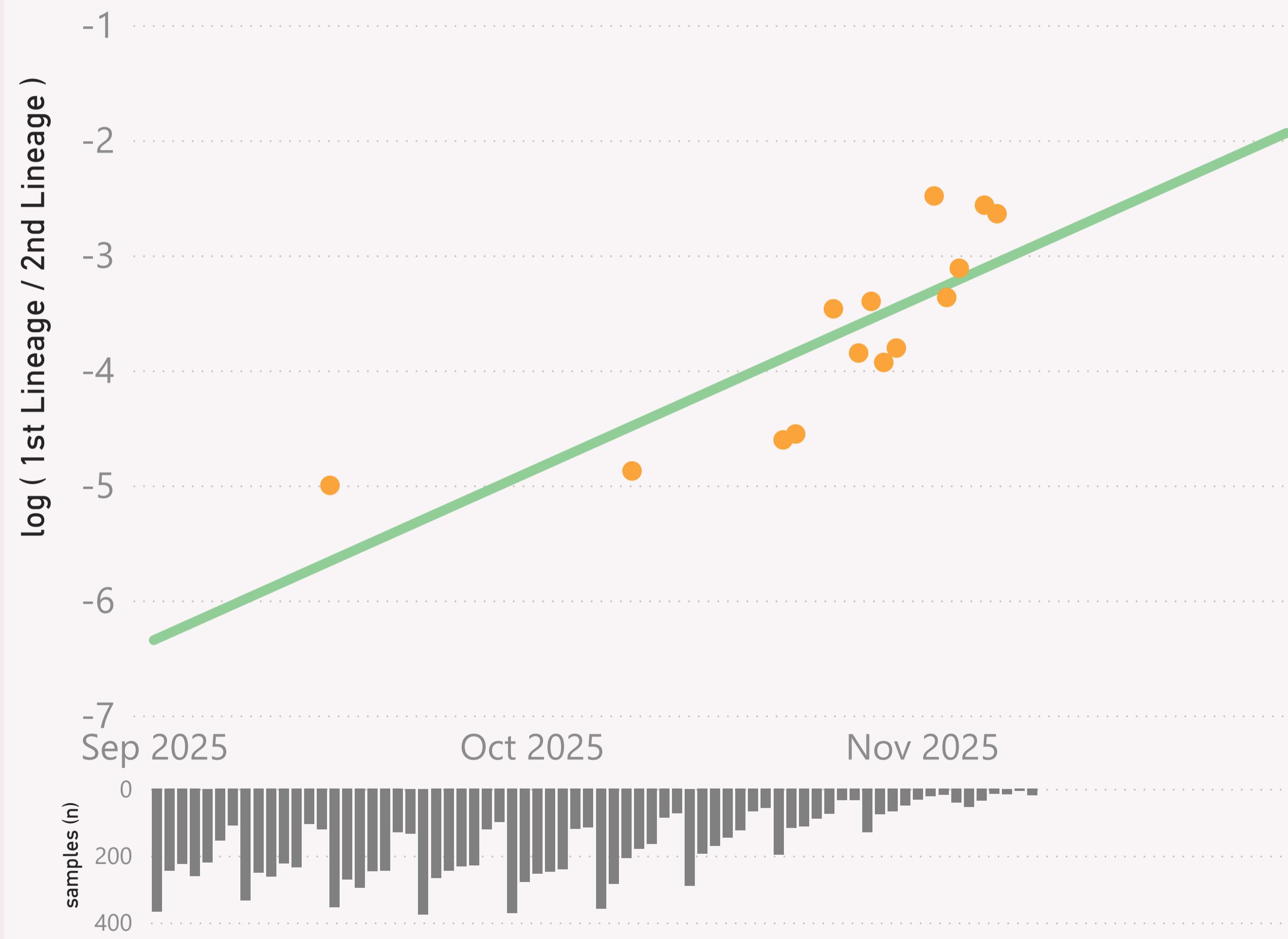
The frequency results calculated for the most recent dates might not be representative, due to those lower sample sizes.

n=11,658 sequenced genomes, from 1 September 2025 up to 9 November 2025

## Europe (excl UK) - BA.3.2.\* vs XFG.\*

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

0 ..... growth of 4.9% per day

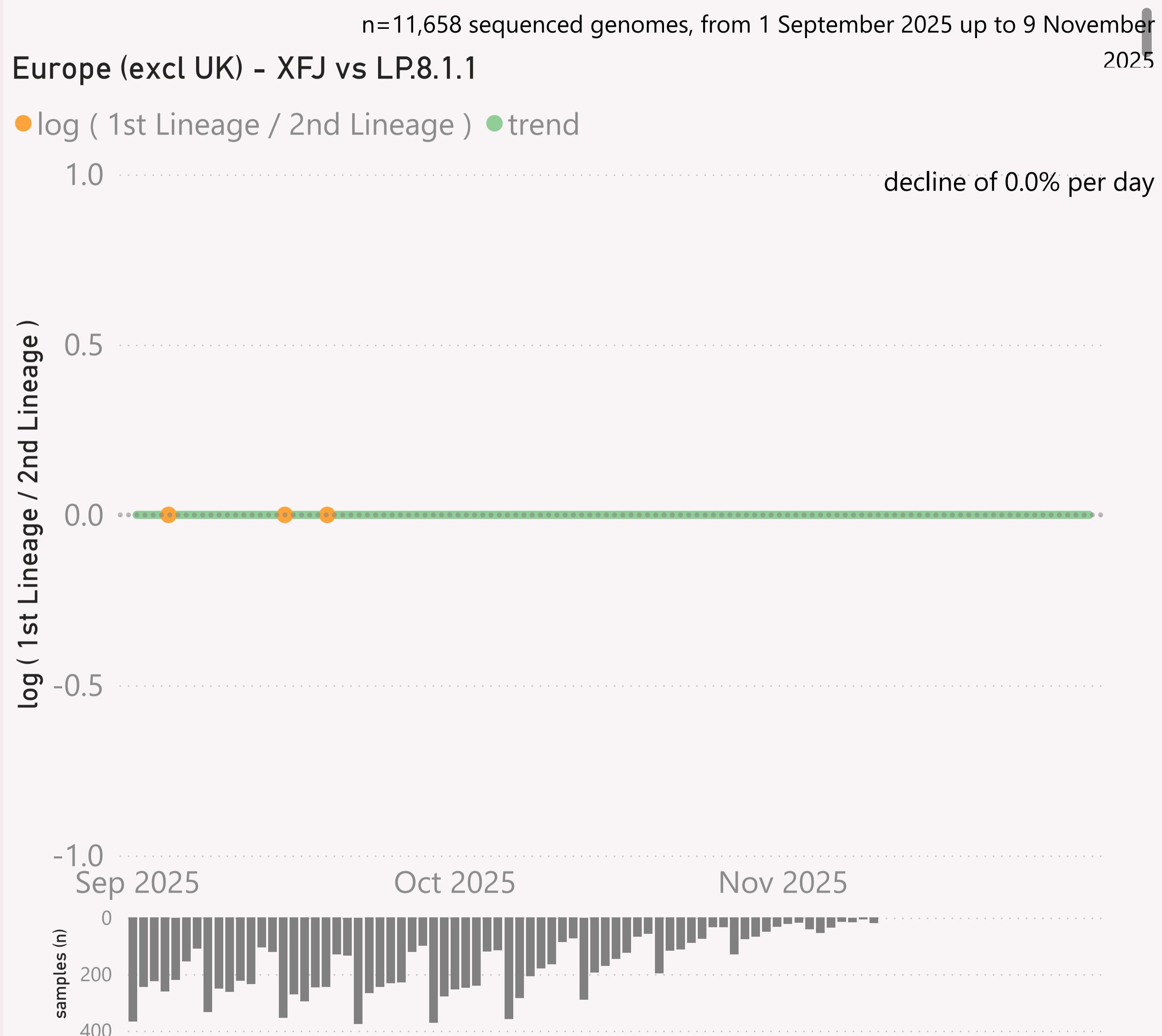


This page compares the relative frequency of 2 selected "Lineage L2" groups, over recent months. A challenging Lineage L2 is selected first, and compared to the incumbent.

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".

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.



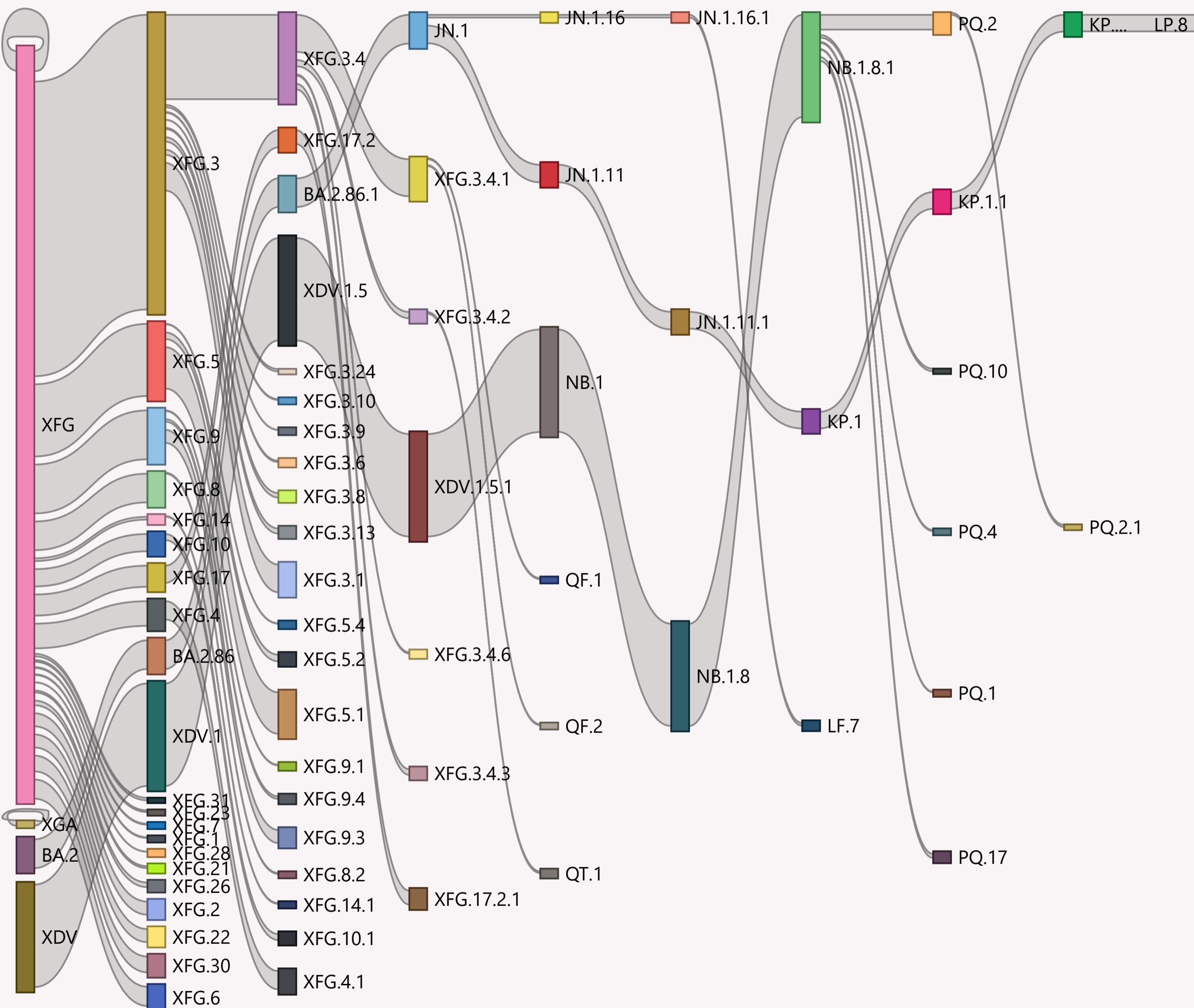
This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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.

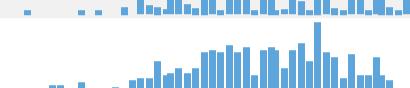
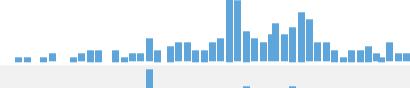
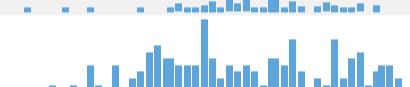
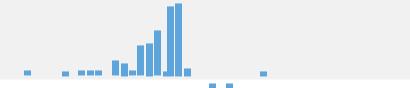
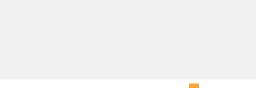
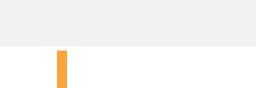
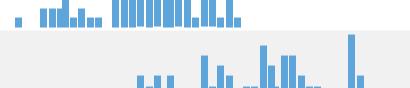
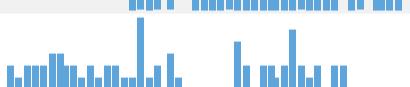
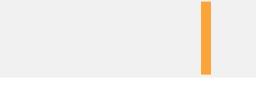
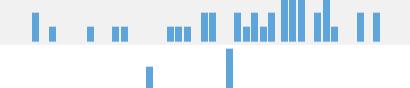
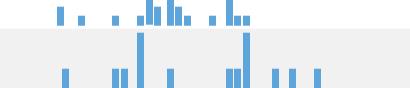
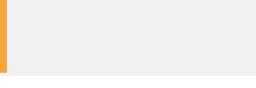
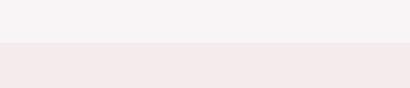
The Lineage classifications are provided by Nextclade.

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.

## 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	3,617	09/11/2025		07/11/2025	
+ France	2,039	04/11/2025		07/11/2025	
+ Netherlands	1,130	09/11/2025		07/11/2025	
+ Germany	1,020	07/11/2025		07/11/2025	
+ Italy	951	08/11/2025		07/11/2025	
+ Denmark	498	03/11/2025		07/11/2025	
+ Slovenia	408	09/11/2025		07/11/2025	
+ Ireland	394	02/11/2025		07/11/2025	
+ Luxembourg	360	10/10/2025		28/10/2025	
+ Poland	331	29/10/2025		07/11/2025	
+ Sweden	294	02/11/2025		07/11/2025	
+ Russia	252	30/09/2025		06/10/2025	
+ Ukraine	224	28/10/2025		07/11/2025	
+ Switzerland	181	15/09/2025		09/10/2025	
+ Lithuania	158	29/09/2025		19/10/2025	
+ Belgium	144	01/11/2025		07/11/2025	
+ Finland	141	19/10/2025		07/11/2025	
+ Norway	125	21/10/2025		31/10/2025	
+ Romania	86	27/10/2025		07/11/2025	
+ Czechia	77	27/10/2025		07/11/2025	
+ Hungary	51	26/09/2025		27/10/2025	
+ Croatia	23	13/10/2025		04/11/2025	
+ North Macedonia	12	30/09/2025		10/10/2025	
+ Slovakia	8	23/09/2025		14/10/2025	
<b>Total</b>	<b>12,524</b>	<b>09/11/2025</b>		<b>07/11/2025</b>	

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.