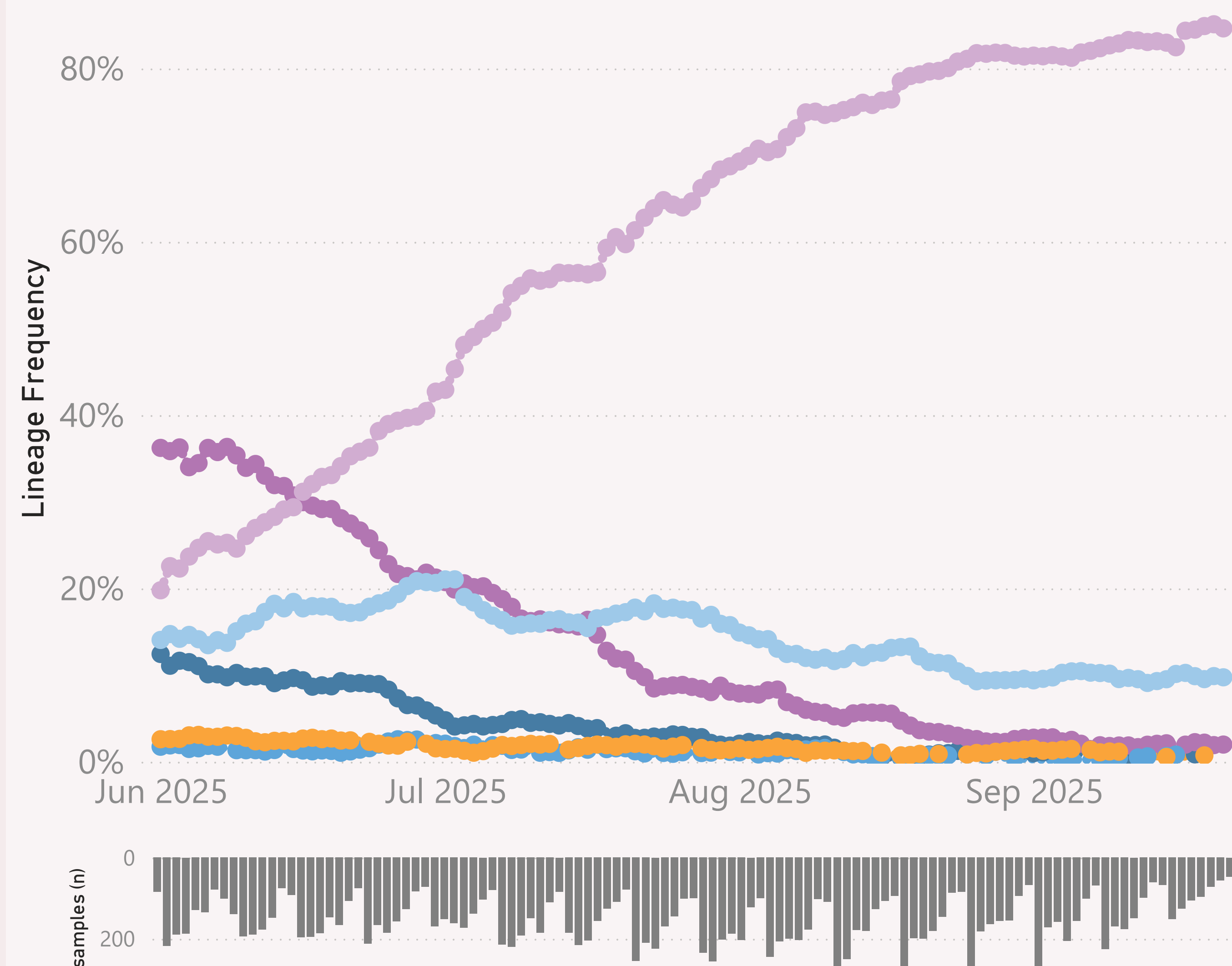


n=17,431 sequenced genomes, from 1 June 2025 up to 21 September 2025

## Europe (excl UK)

● JN.1.\* +FLiRT ● LP.8.1.\* ● NB.1.8.1.\* Nimbus ● XFC.\* ● XFG.\* ● XFI.\*



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.

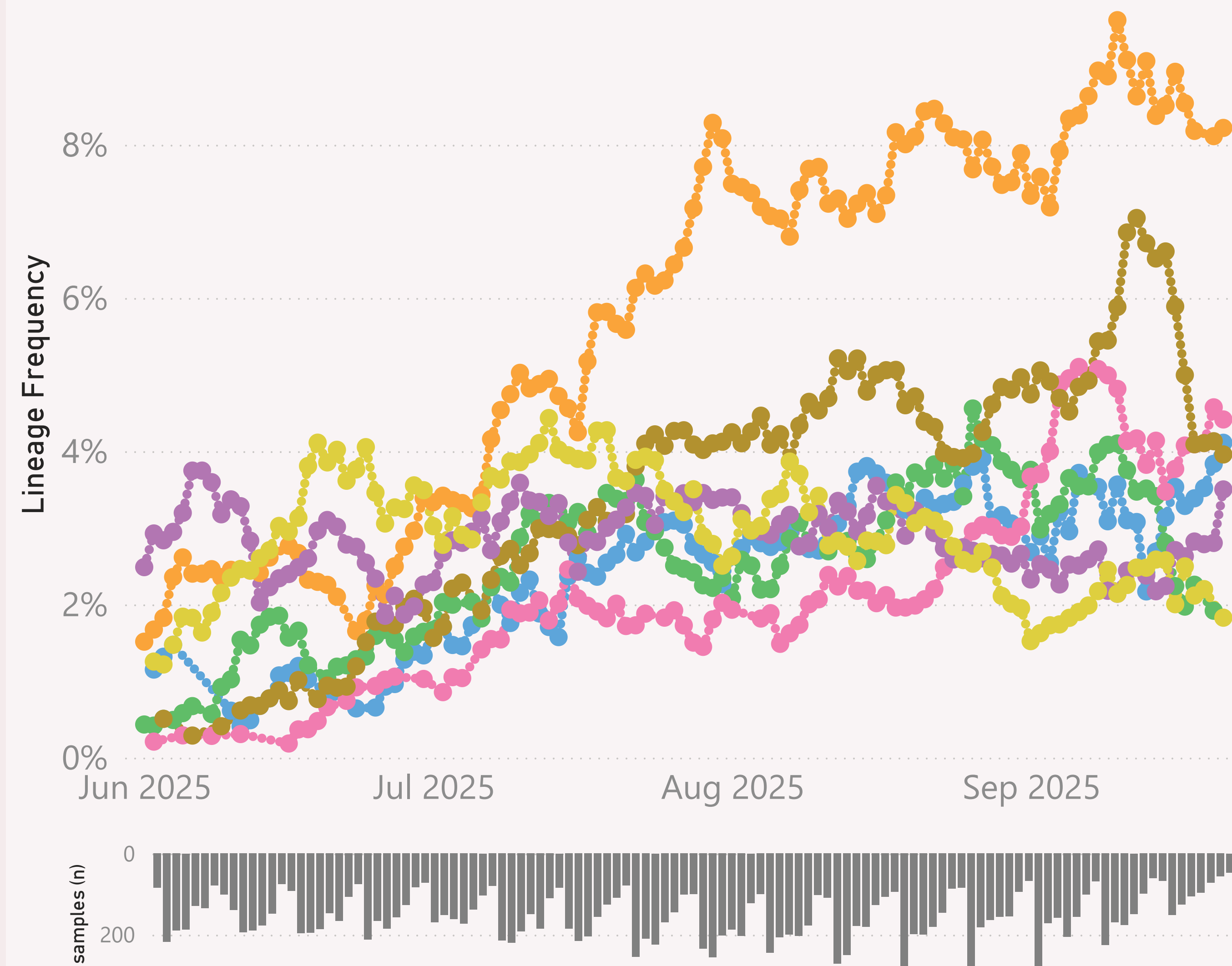
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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

n=17,431 sequenced genomes, from 1 June 2025 up to 21 September 2025

## Europe (excl UK)

● XFG ● XFG.3 ● XFG.3.1 ● XFG.3.4.1 ● XFG.5.1 ● XFG.8 ● XFG.9.3



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.

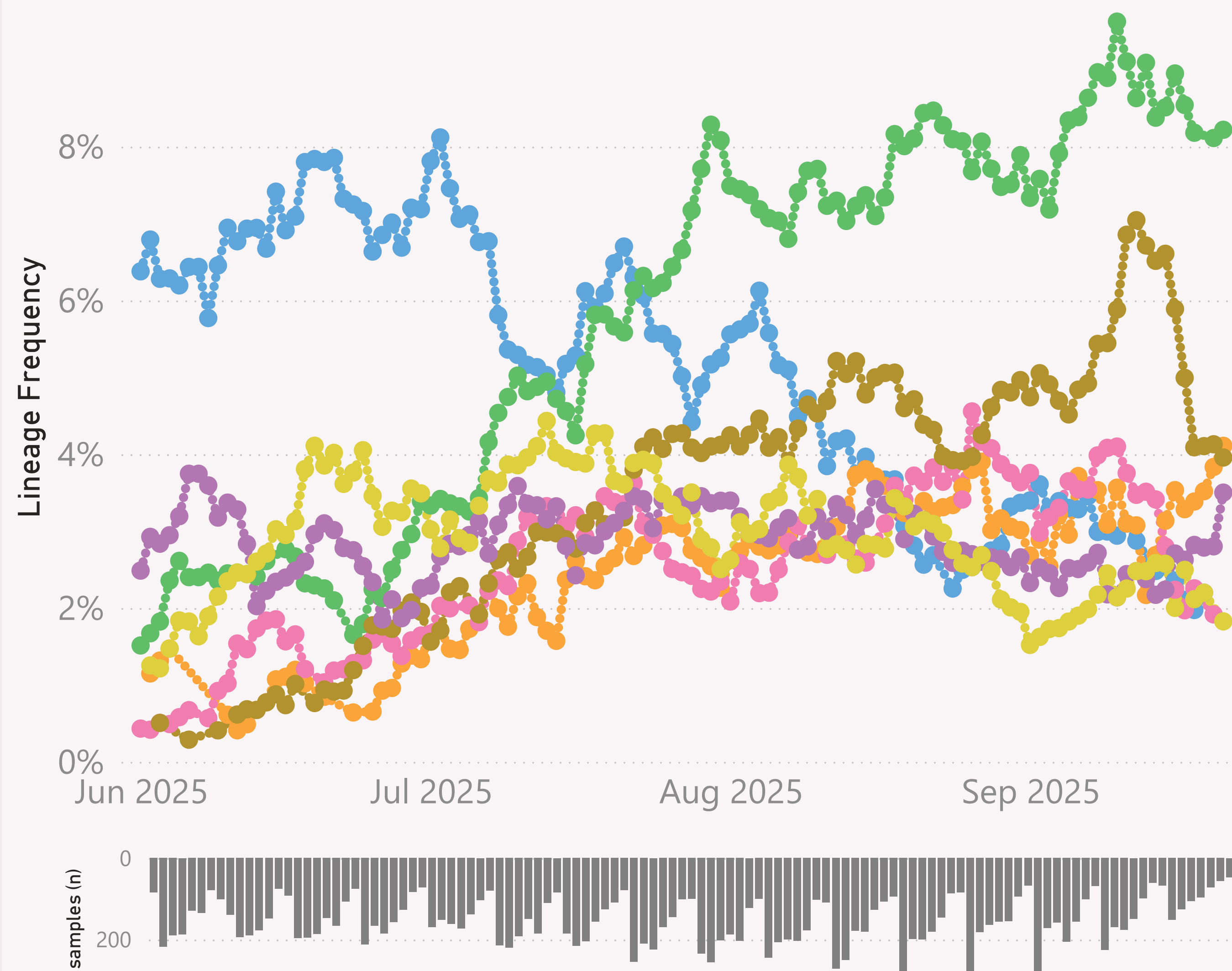
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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

n=17,431 sequenced genomes, from 1 June 2025 up to 21 September 2025

## Europe (excl UK)

● NB.1.8.1 ● XFG ● XFG.3 ● XFG.3.1 ● XFG.5.1 ● XFG.8 ● XFG.9.3



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.

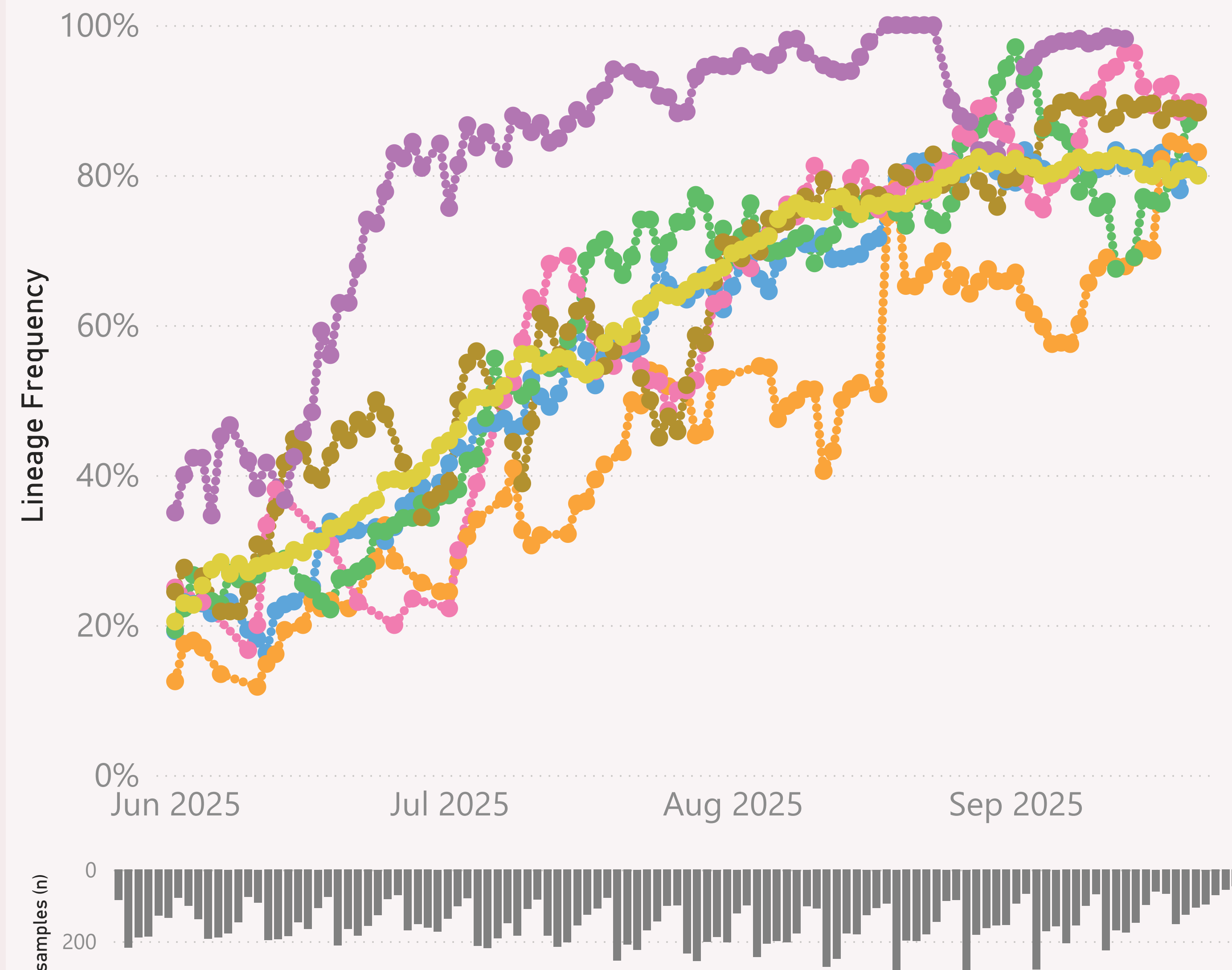
The frequency results calculated for the most recent dates might not be representative, due to those lower sample sizes.



n=17,431 sequenced genomes, from 1 June 2025 up to 21 September 2025

XFG.\*

● France ● Germany ● Ireland ● Italy ● Netherlands ● Russia ● 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.

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

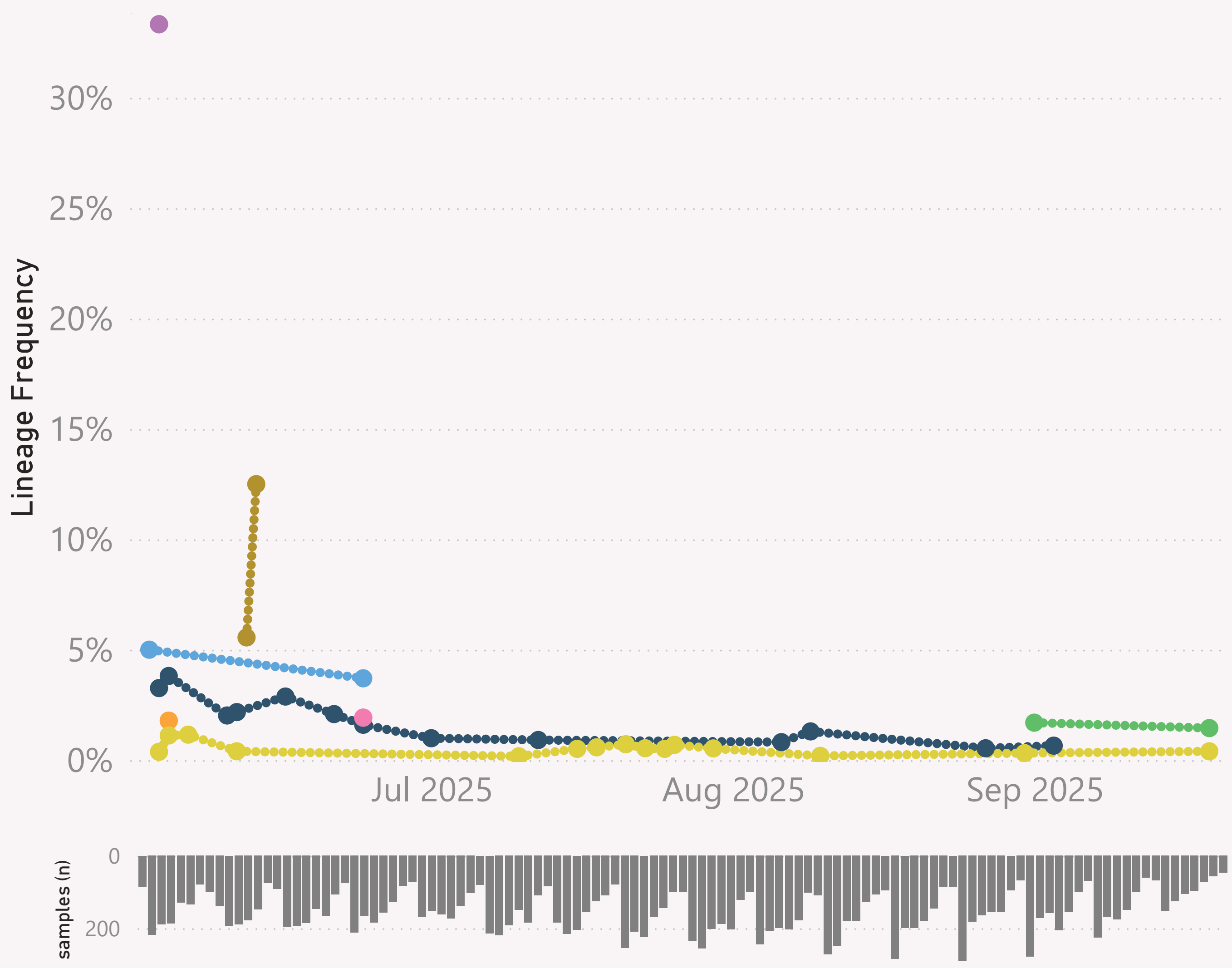
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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

n=17,431 sequenced genomes, from 1 June 2025 up to 21 September 2025

XFJ

● France ● Germany ● Ireland ● Italy ● Netherlands ● Norway ● Poland ● Spain



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.

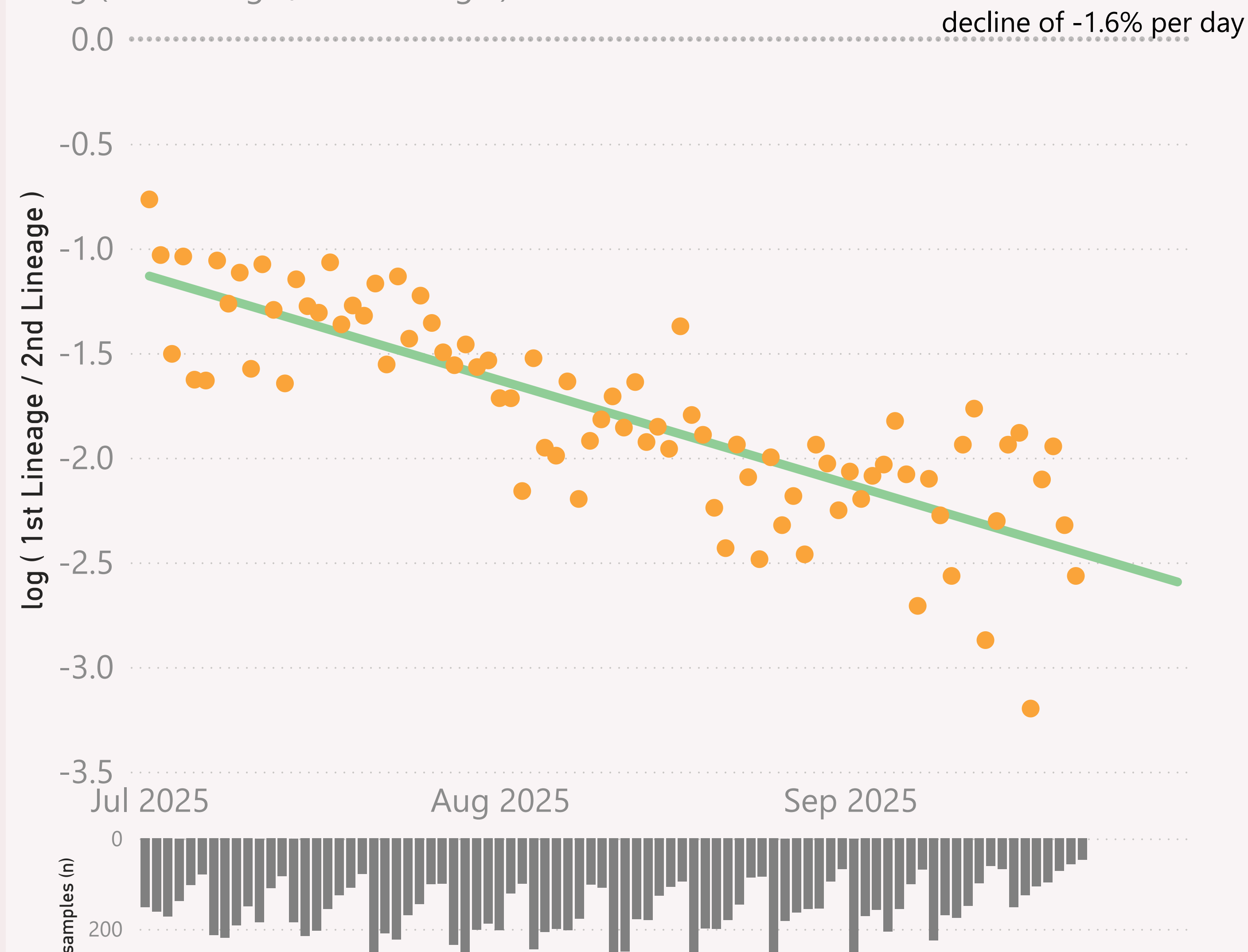
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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

n=13,044 sequenced genomes, from 1 July 2025 up to 21 September 2025

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

● 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.

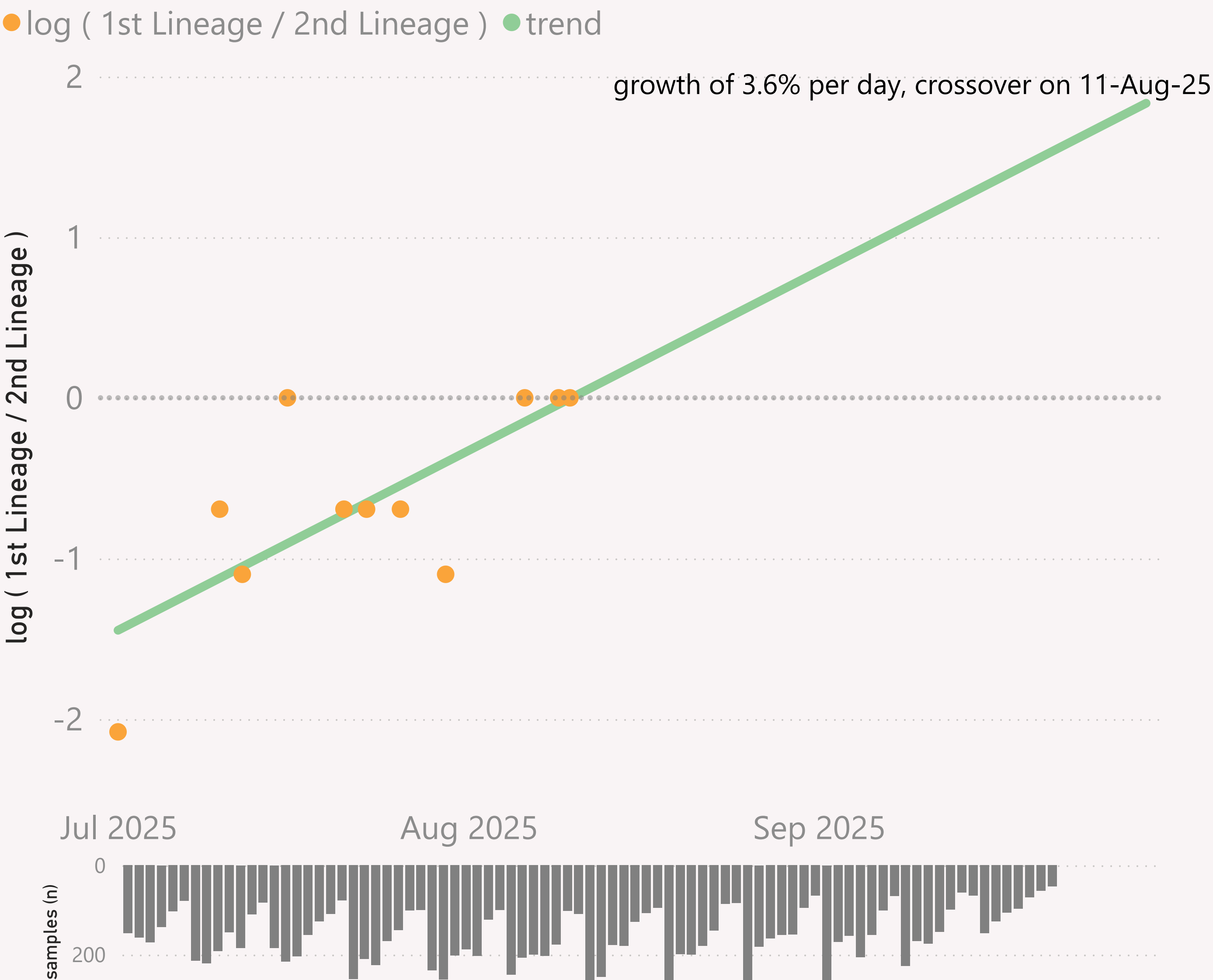
The trend is shown as a green line and expressed as a daily growth % advantage. If the green line crosses over the 0.0 line, the date when that occurred or is predicted to occur will be shown. At that point the challenging Lineage L2 is considered to have "crossed over" or taken over dominance from the 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=13,044 sequenced genomes, from 1 July 2025 up to 21 September 2025

# Europe (excl UK) - XFJ vs LP.8.1.1



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.

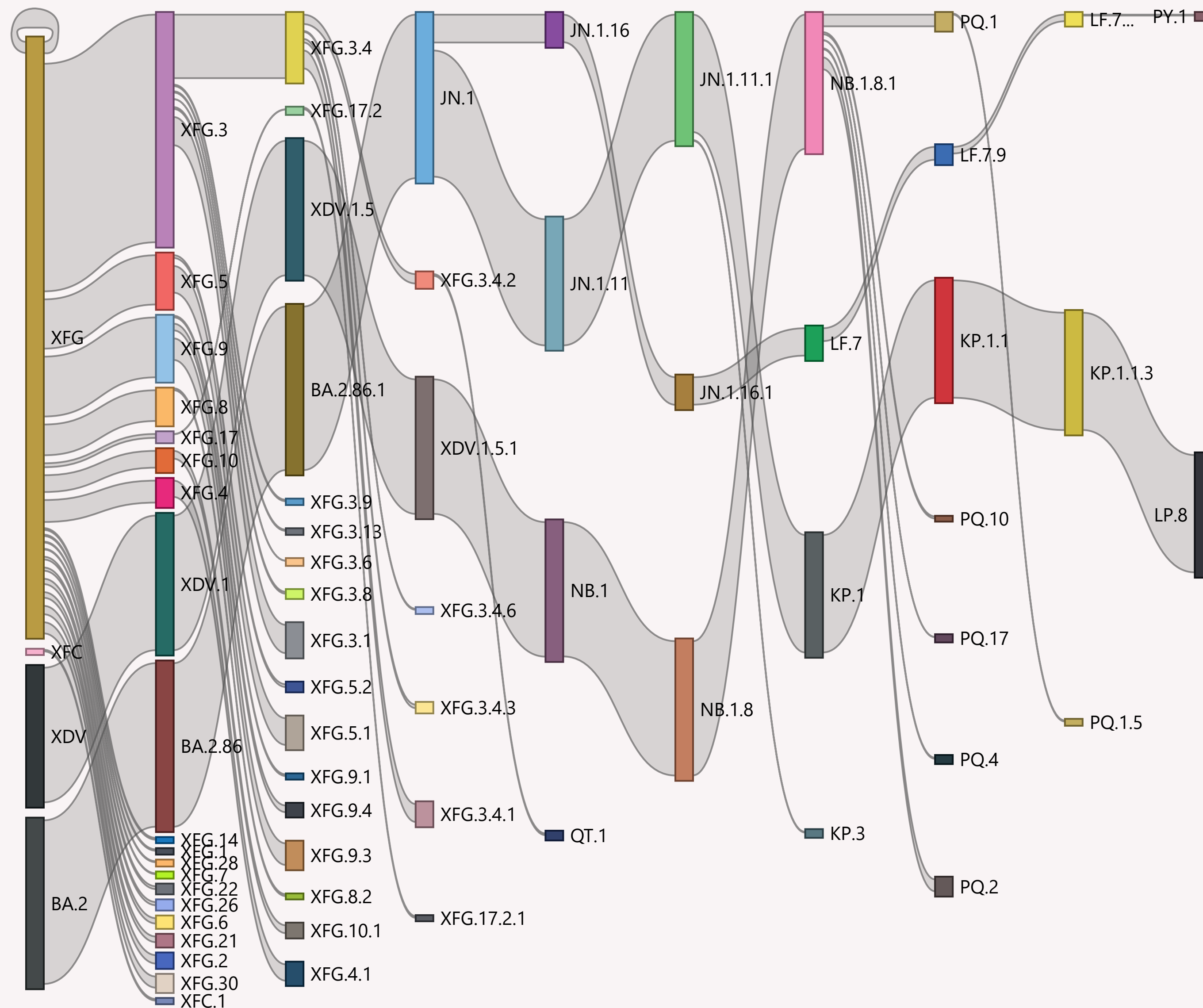
The Lineage classifications are provided by Nextclade.

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.



n=17,431 sequenced genomes, from 1 June 2025 up to 21 September 2025

## Europe (excl UK)



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.

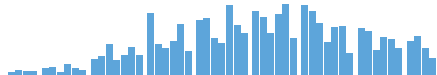




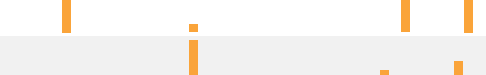


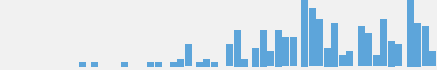
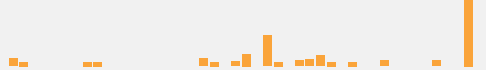





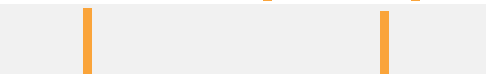









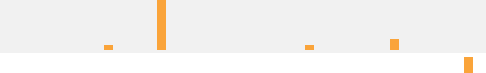
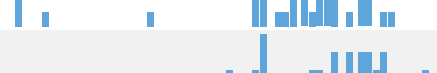



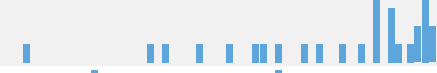


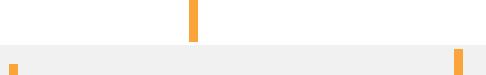


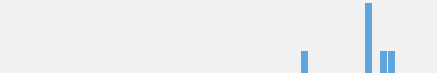
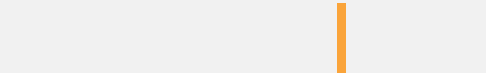








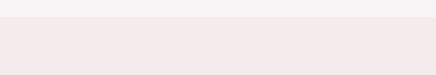
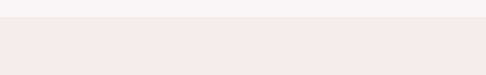
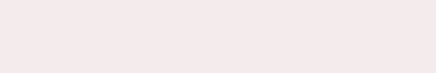
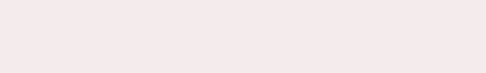
The vertical height of each bar segment represents the relative volume of all the samples of that specific Lineage, as well as all its descendants.

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> Spain	4,435	21/09/2025		30/09/2025	
<div>+</div> France	1,393	21/09/2025		30/09/2025	
<div>+</div> Russia	676	13/09/2025		30/09/2025	
<div>+</div> Netherlands	627	21/09/2025		29/09/2025	
<div>+</div> Germany	538	21/09/2025		30/09/2025	
<div>+</div> Italy	503	21/09/2025		30/09/2025	
<div>+</div> Ireland	497	20/09/2025		30/09/2025	
<div>+</div> Ukraine	417	19/09/2025		30/09/2025	
<div>+</div> Denmark	372	15/09/2025		30/09/2025	
<div>+</div> Luxembourg	363	31/08/2025		22/09/2025	
<div>+</div> Portugal	243	03/08/2025		29/08/2025	
<div>+</div> Switzerland	234	15/09/2025		30/09/2025	
<div>+</div> Sweden	212	20/09/2025		30/09/2025	
<div>+</div> Finland	180	11/09/2025		30/09/2025	
<div>+</div> Romania	105	15/09/2025		30/09/2025	
<div>+</div> Greece	102	13/09/2025		23/09/2025	
<div>+</div> Norway	85	14/09/2025		30/09/2025	
<div>+</div> Belgium	84	21/09/2025		30/09/2025	
<div>+</div> Poland	71	20/09/2025		30/09/2025	
<div>+</div> Slovenia	52	21/09/2025		30/09/2025	
<div>+</div> Hungary	27	25/08/2025		04/09/2025	
<div>+</div> Czechia	20	18/09/2025		30/09/2025	
<div>+</div> North Macedonia	11	20/09/2025		30/09/2025	
<div>+</div> Montenegro	8	10/09/2025		18/09/2025	
Total	11,255	21/09/2025		30/09/2025	

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.