

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

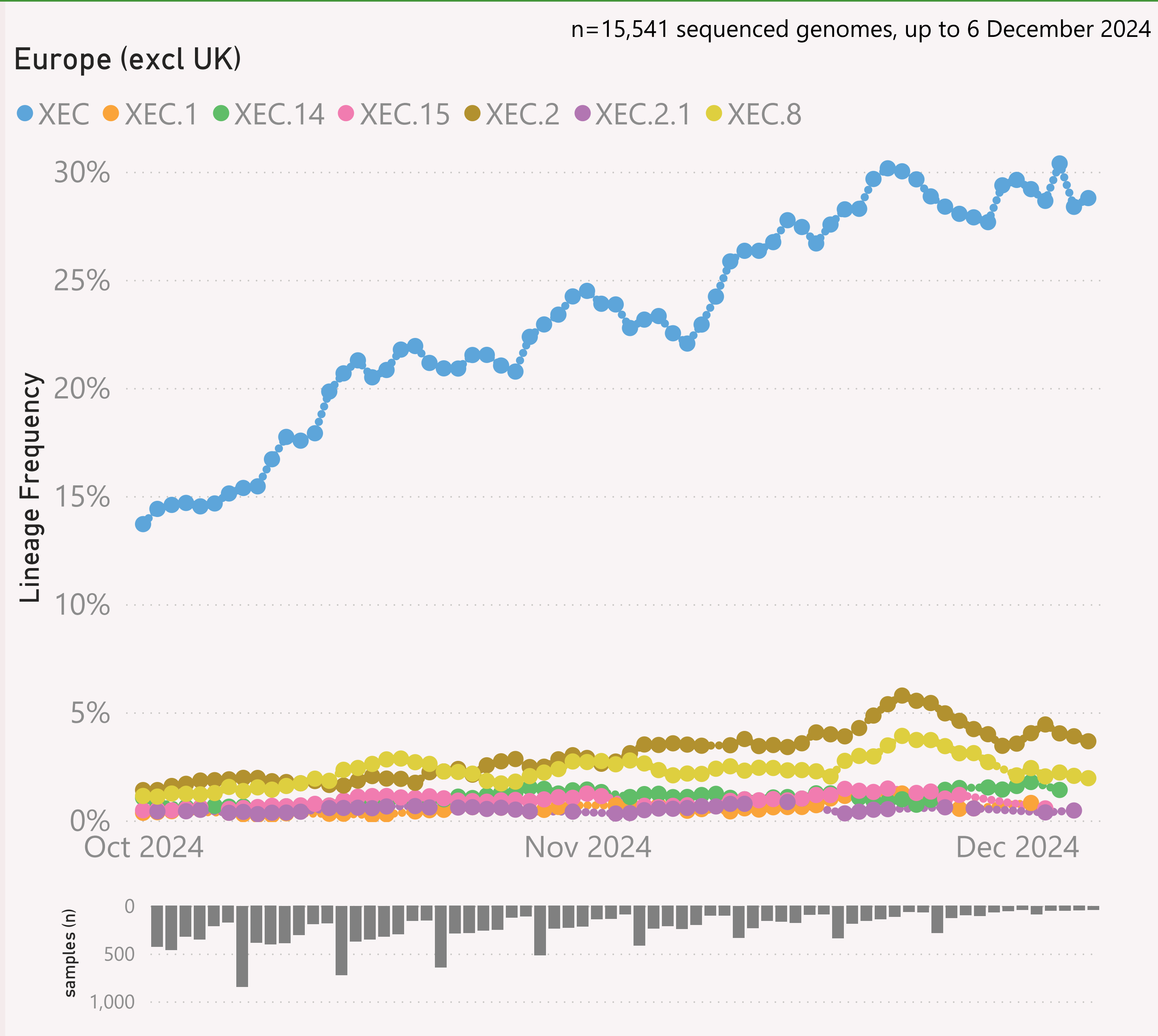
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "BA.2.86.*" group includes BA.2.86 and all it's descendants, e.g. the JN.* lineages.

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.



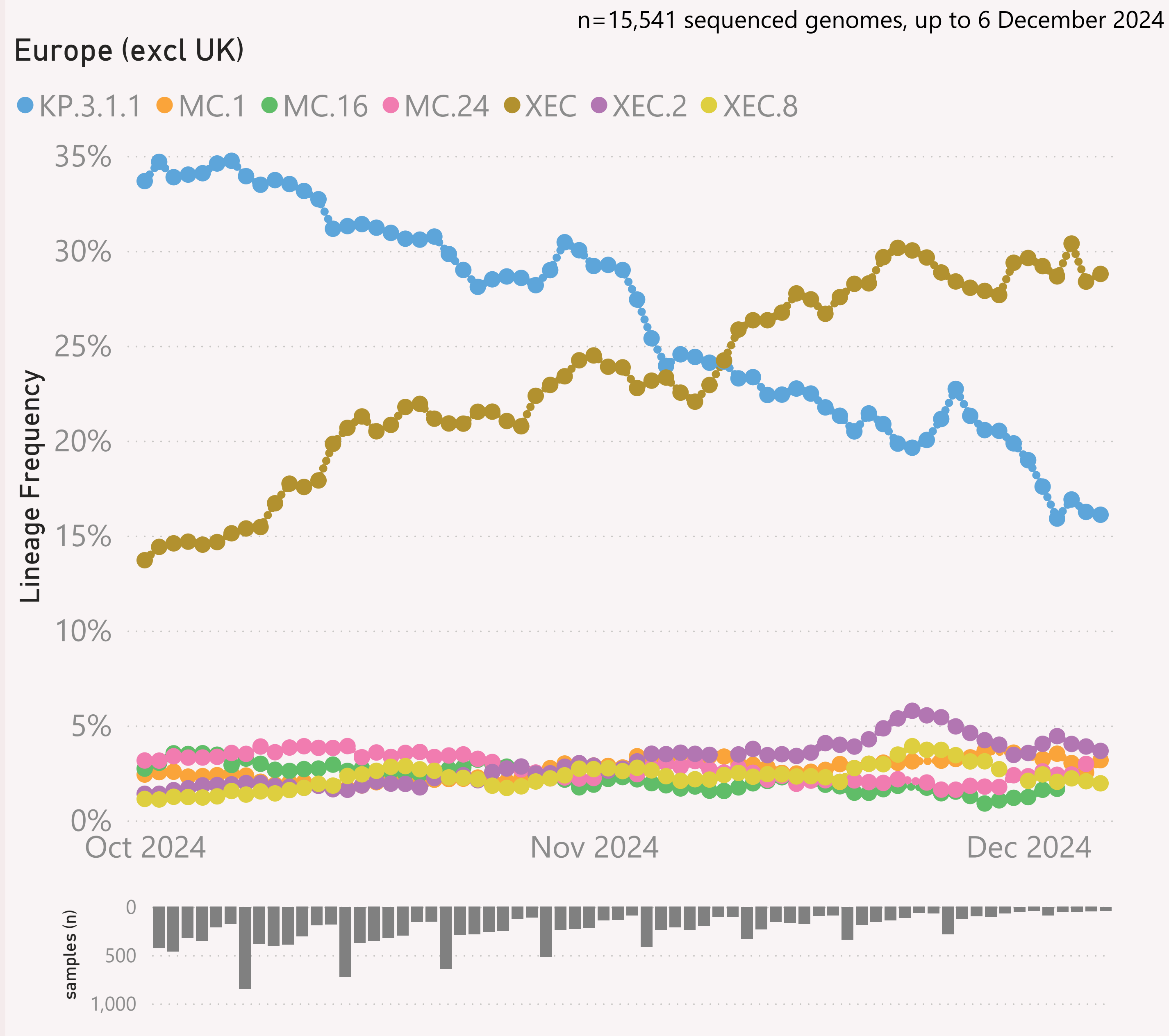
This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently "XEC.*".

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.

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



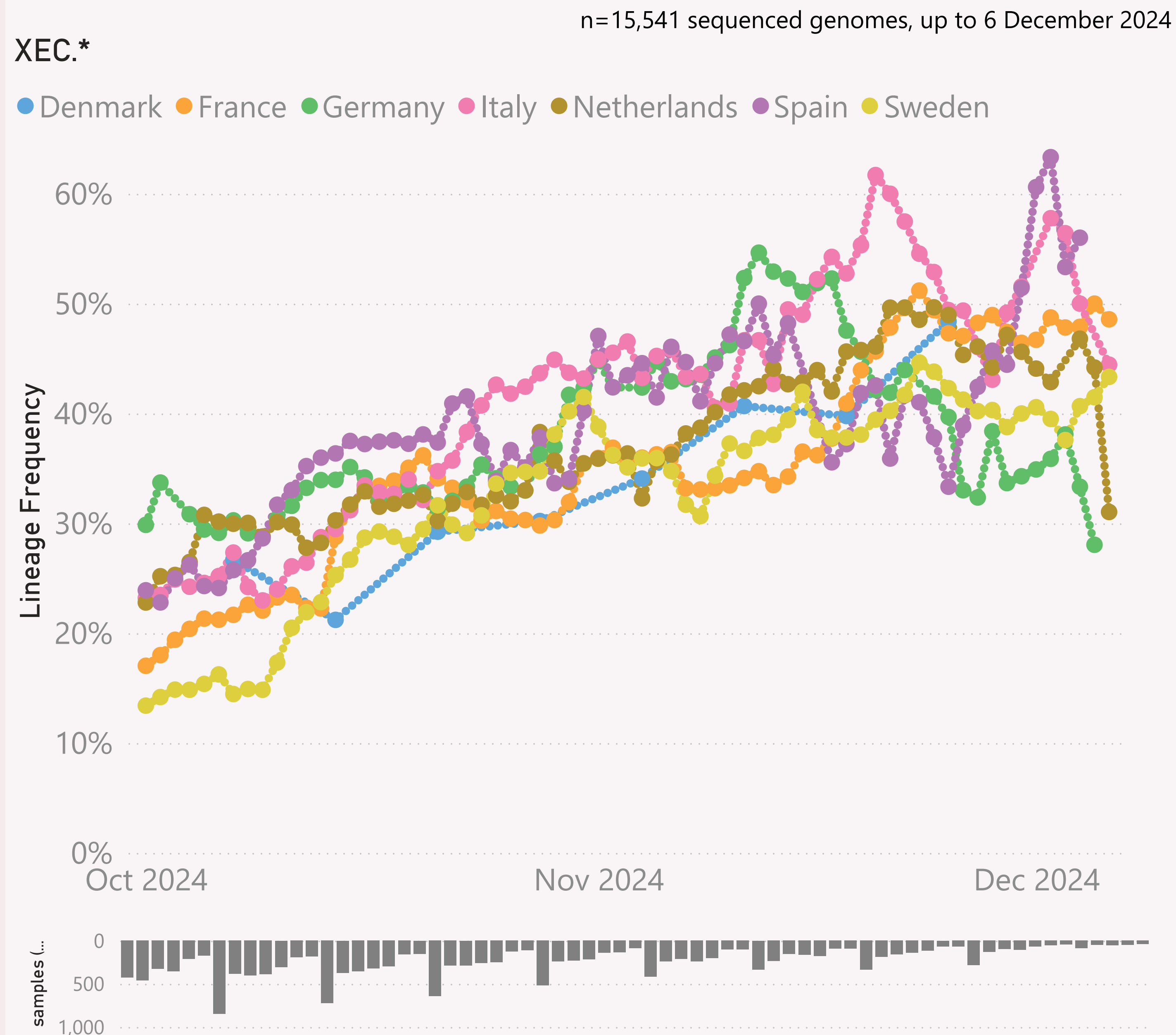
This page shows the frequency of the top 7 lineages, across recent months.

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.

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

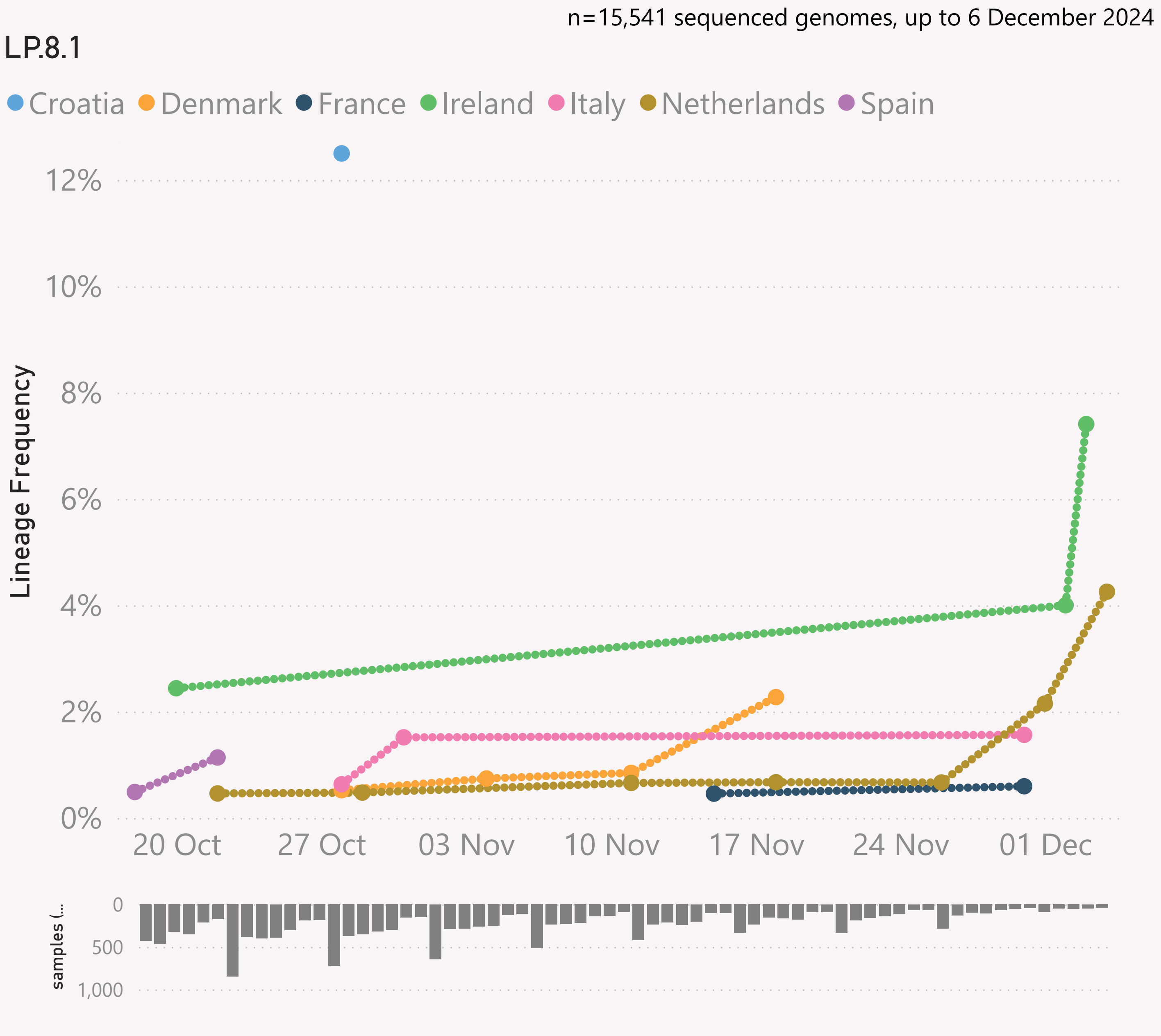
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "JN.1.* +FLiRT" group includes the descendants of JN.1.* with the mutations: F456L & R346T.

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.



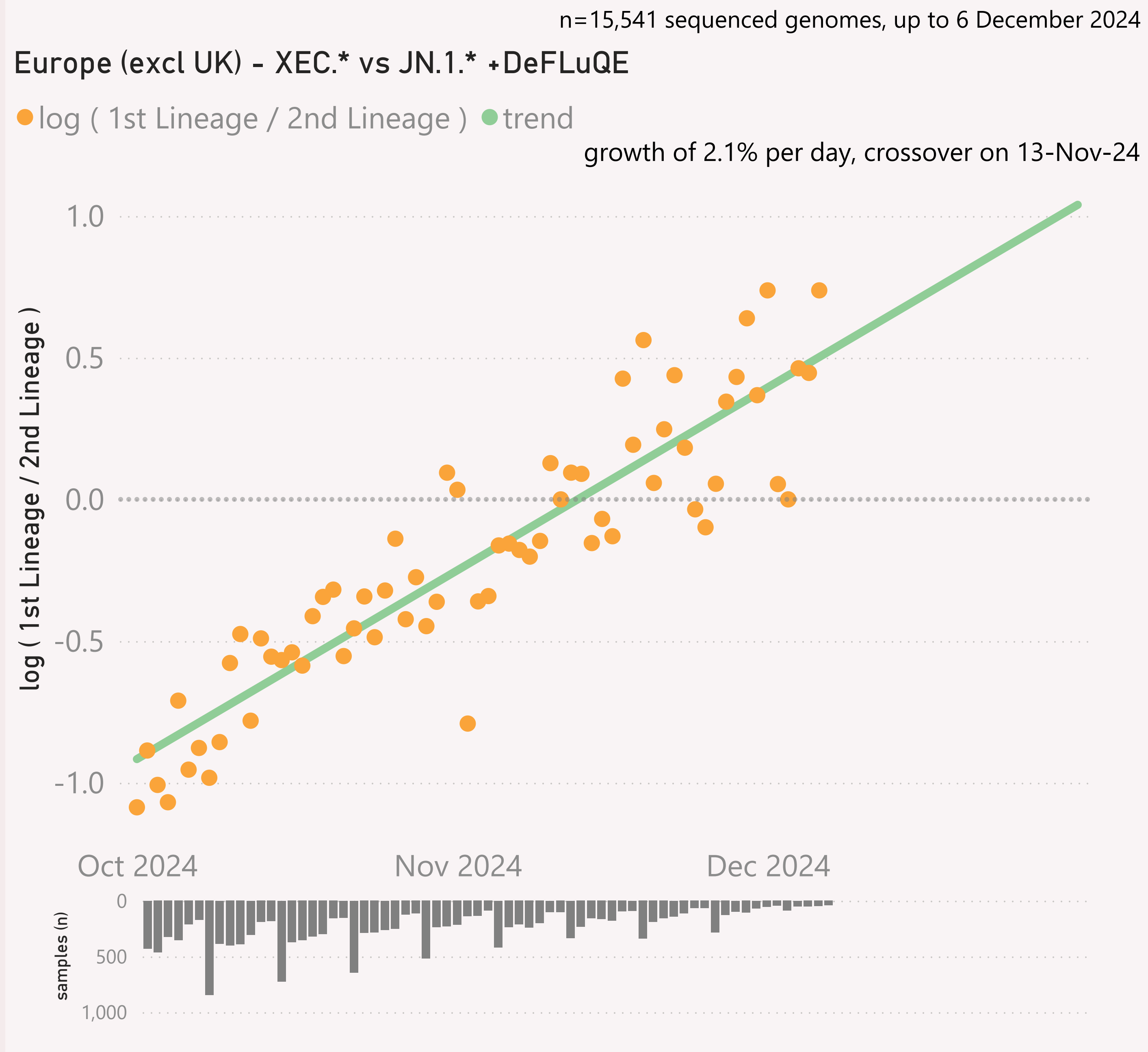
This page shows the frequency of a selected Lineage of interest, for the 7 countries reporting the most samples over recent months.

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 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.

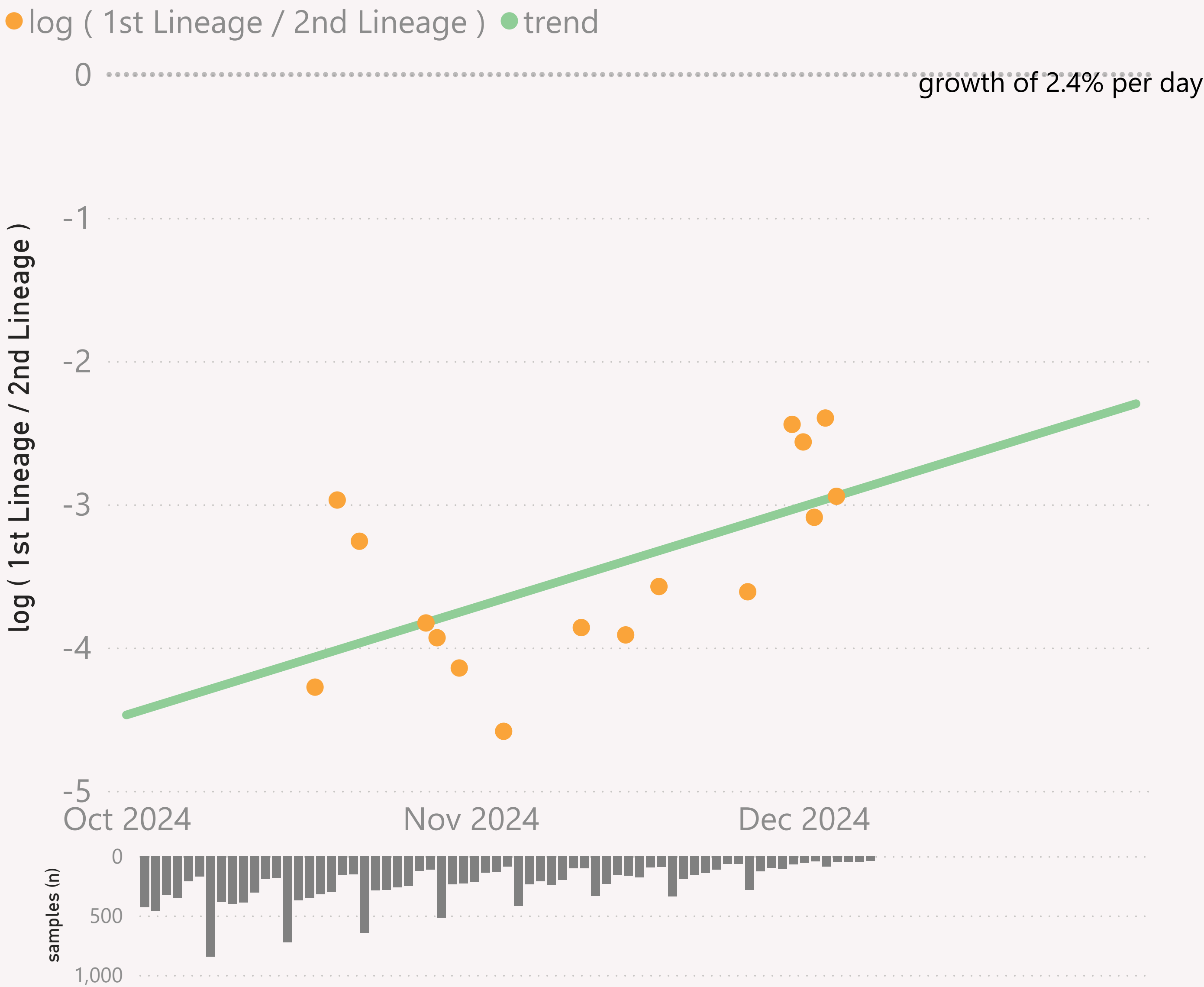
The trend is shown as a green line and expressed as a daily growth % advantage. If the green line crosses over the 0.0 line, the date when that occurred or is predicted to occur will be shown. At that point the challenging Lineage L2 is considered to have "crossed over" or taken over dominance from the 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=15,541 sequenced genomes, up to 6 December 2024

Europe (excl UK) - LP.8.1 vs XEC



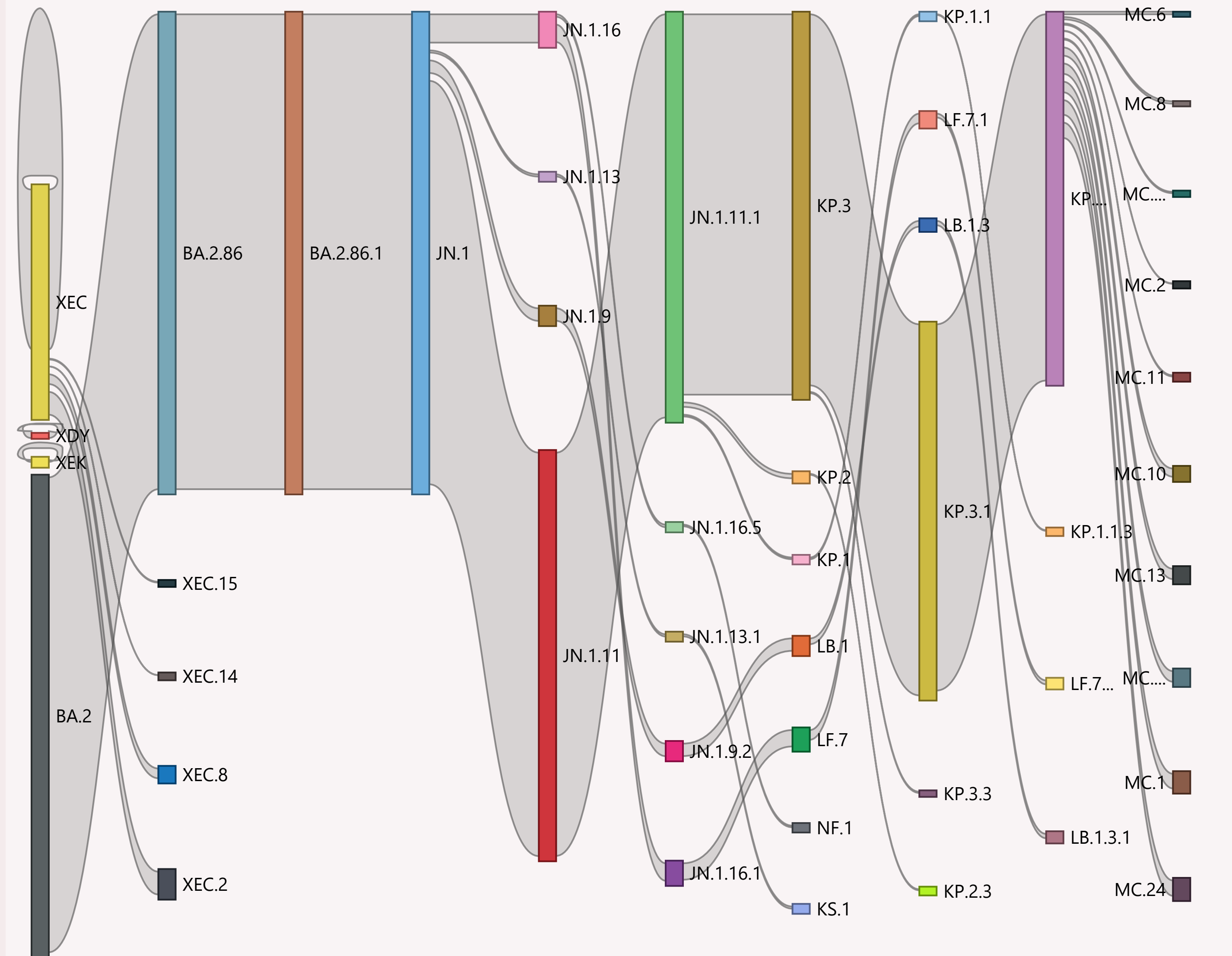
This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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.

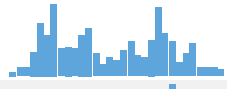













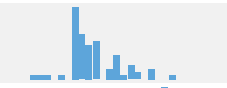
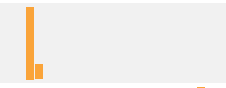











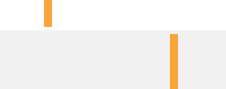









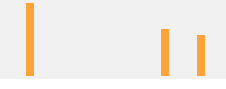








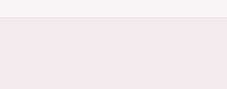
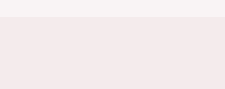
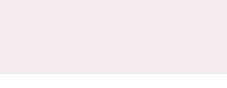
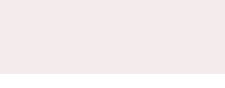


The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

Europe (excl UK)



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>+ Spain</div>	2,965	05/12/2024		18/12/2024	
<div>+ Sweden</div>	2,476	06/12/2024		18/12/2024	
<div>+ Germany</div>	2,380	05/12/2024		18/12/2024	
<div>+ France</div>	2,255	06/12/2024		18/12/2024	
<div>+ Netherlands</div>	1,579	06/12/2024		16/12/2024	
<div>+ Italy</div>	1,413	06/12/2024		18/12/2024	
<div>+ Denmark</div>	1,119	25/11/2024		11/12/2024	
<div>+ Russia</div>	1,010	16/11/2024		17/12/2024	
<div>+ Slovenia</div>	867	06/12/2024		18/12/2024	
<div>+ Greece</div>	496	12/11/2024		15/12/2024	
<div>+ Ireland</div>	409	06/12/2024		18/12/2024	
<div>+ Finland</div>	399	02/12/2024		16/12/2024	
<div>+ Poland</div>	341	20/11/2024		09/12/2024	
<div>+ Cyprus</div>	309	28/02/2024		28/10/2024	
<div>+ Luxembourg</div>	299	30/10/2024		27/11/2024	
<div>+ Hungary</div>	172	05/11/2024		13/12/2024	
<div>+ Norway</div>	136	02/12/2024		18/12/2024	
<div>+ Slovakia</div>	126	19/11/2024		18/12/2024	
<div>+ Portugal</div>	116	19/11/2024		09/12/2024	
<div>+ Ukraine</div>	106	21/11/2024		18/12/2024	
<div>+ Belgium</div>	94	28/11/2024		11/12/2024	
<div>+ Croatia</div>	94	08/11/2024		26/11/2024	
<div>+ Czechia</div>	93	07/10/2024		18/11/2024	
<div>+ Austria</div>	82	06/11/2024		18/11/2024	
<div>+ Bulgaria</div>	24	22/08/2024		24/11/2024	
<div>+ Romania</div>	10	26/11/2024		18/12/2024	
<div>+ Serbia</div>	7	19/09/2024		29/11/2024	
<div>Total</div>	19,377	06/12/2024		18/12/2024	

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.