

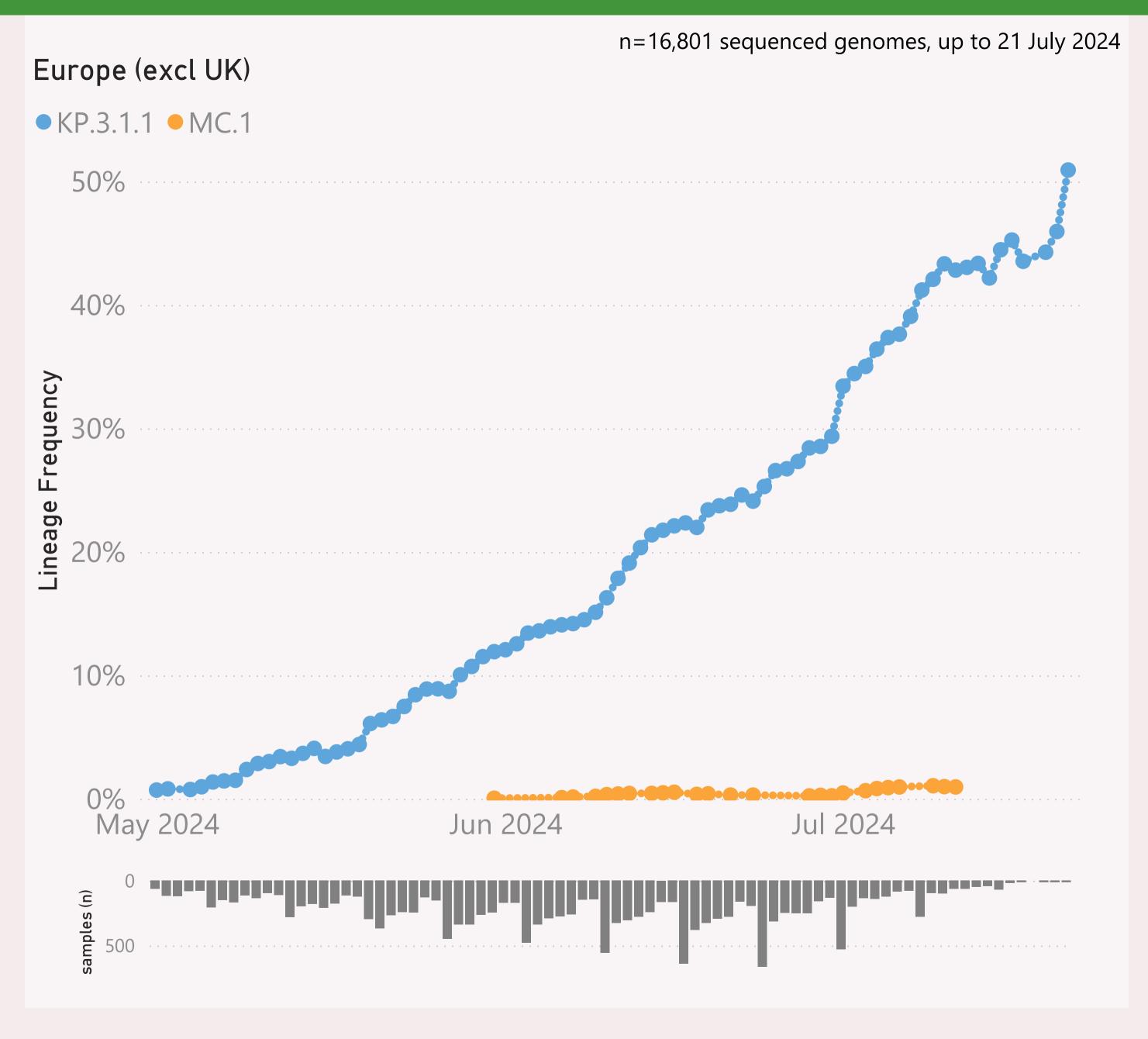
This page shows the frequency of the top 6 "L2" lineages, across recent months.

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.

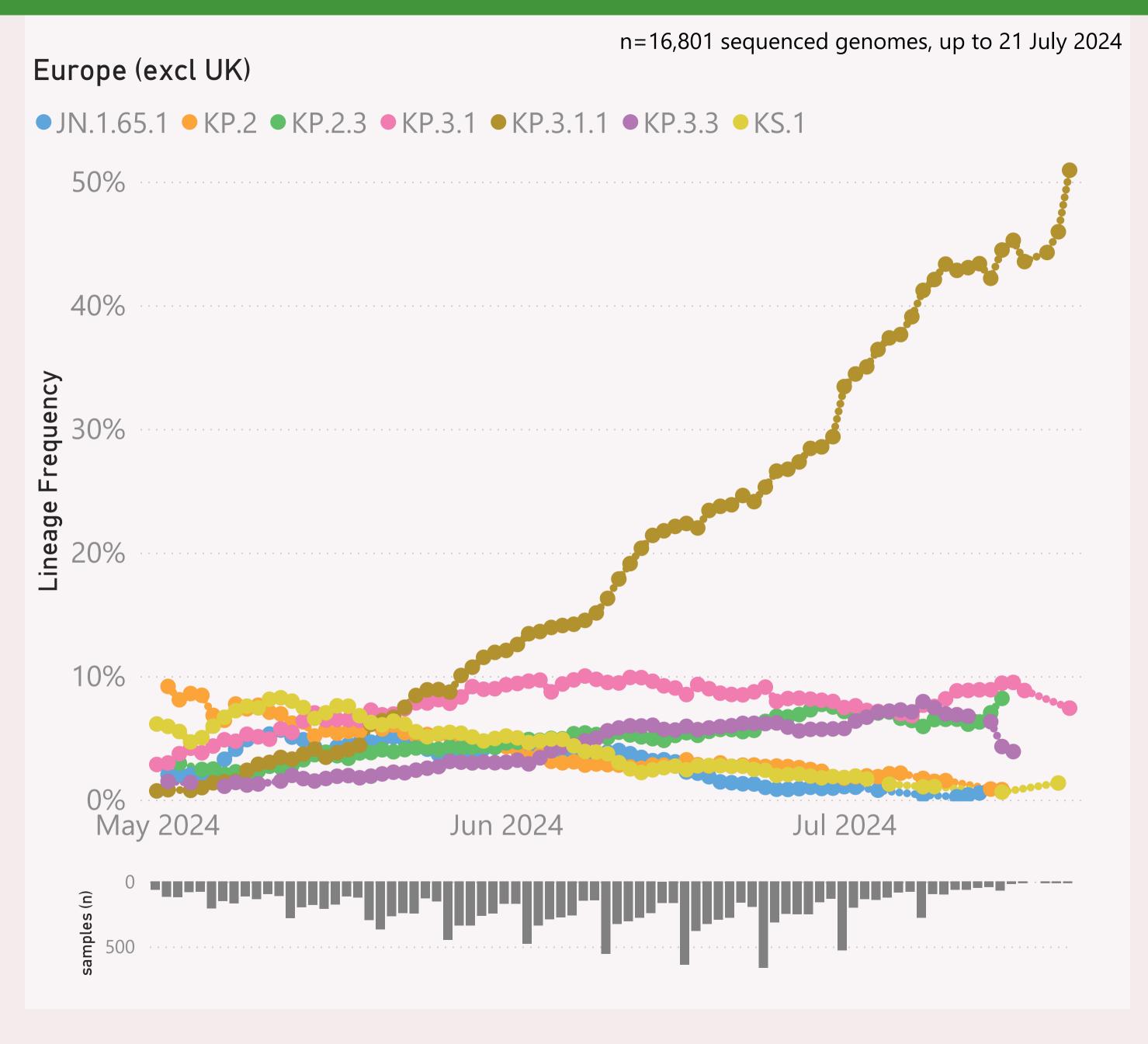


This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently "JN.1.\* + DeFLuQE".

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.

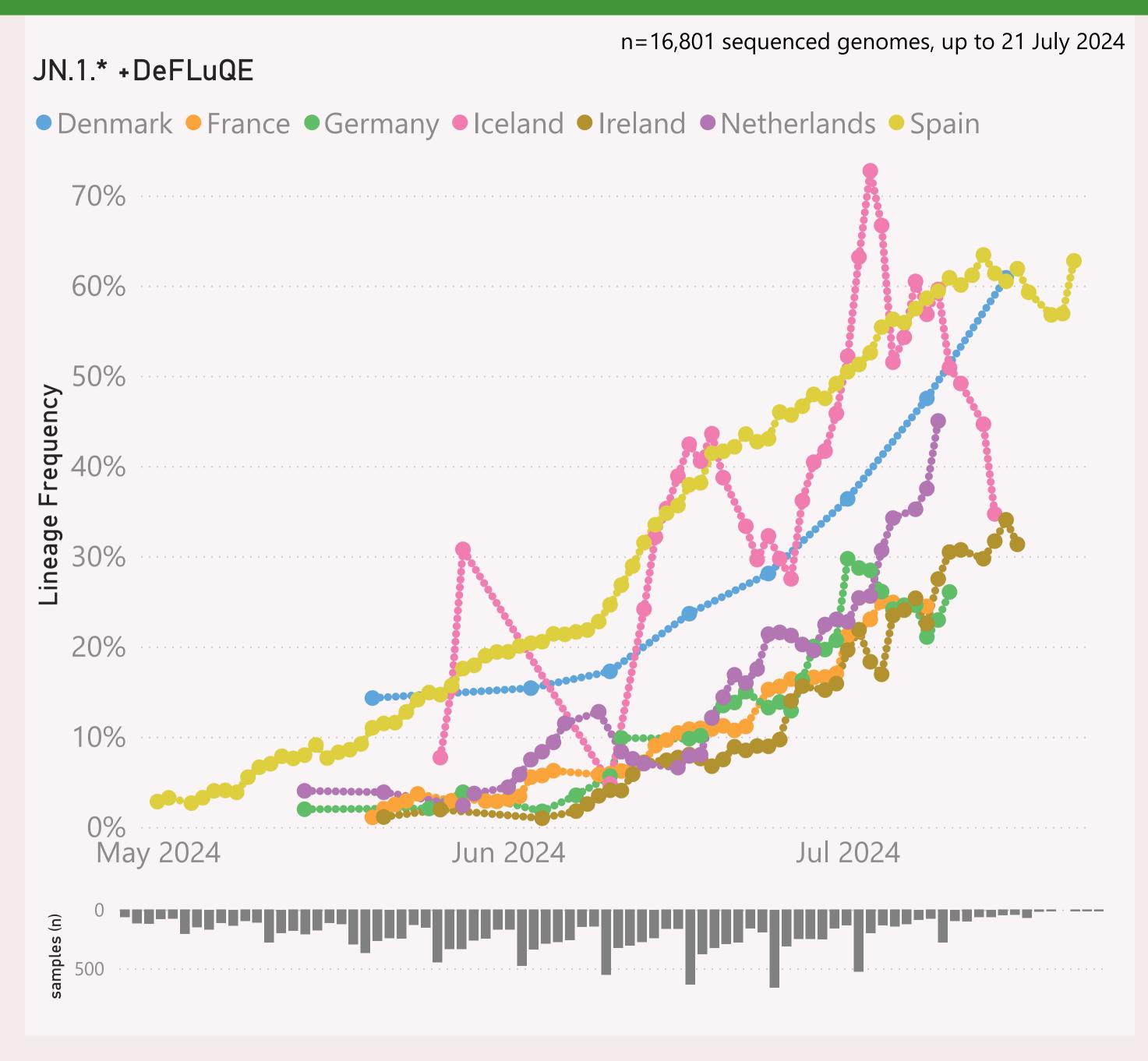


This page shows the frequency of the top 7 lineages, across recent months.

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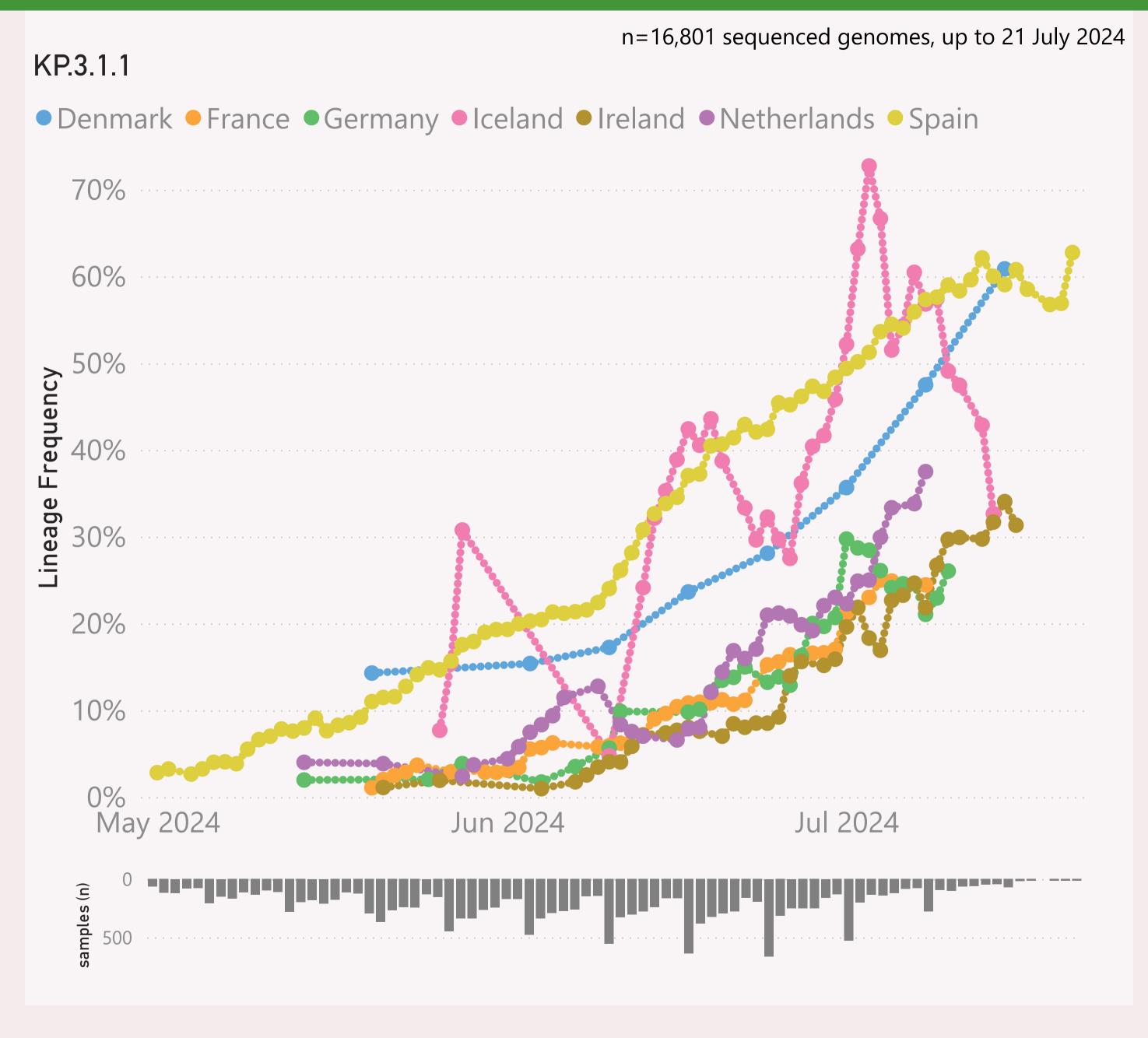
This page shows the frequency of a selected "Lineage L2" group of interest, for the 7 countries reporting the most samples over recent months.

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 state.

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.



Continent, Country, Location

This page shows the fre interest, for the 7 countries reporting the most samples over recent months.

Multiple selections

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 state.

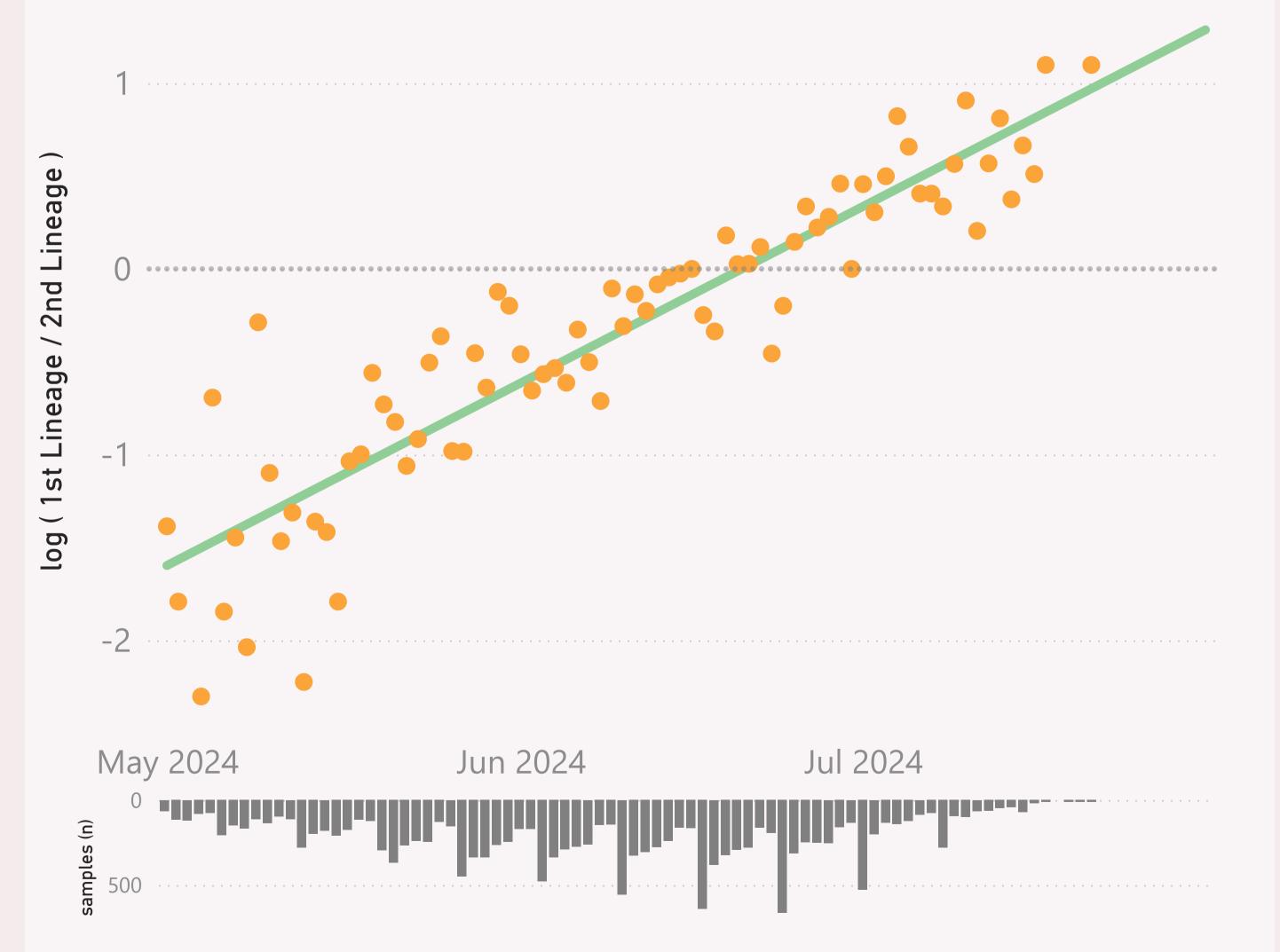
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n=16,801 sequenced genomes, up to 21 July 2024



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

growth of 3.2% per day, crossover on 21-Jun-24

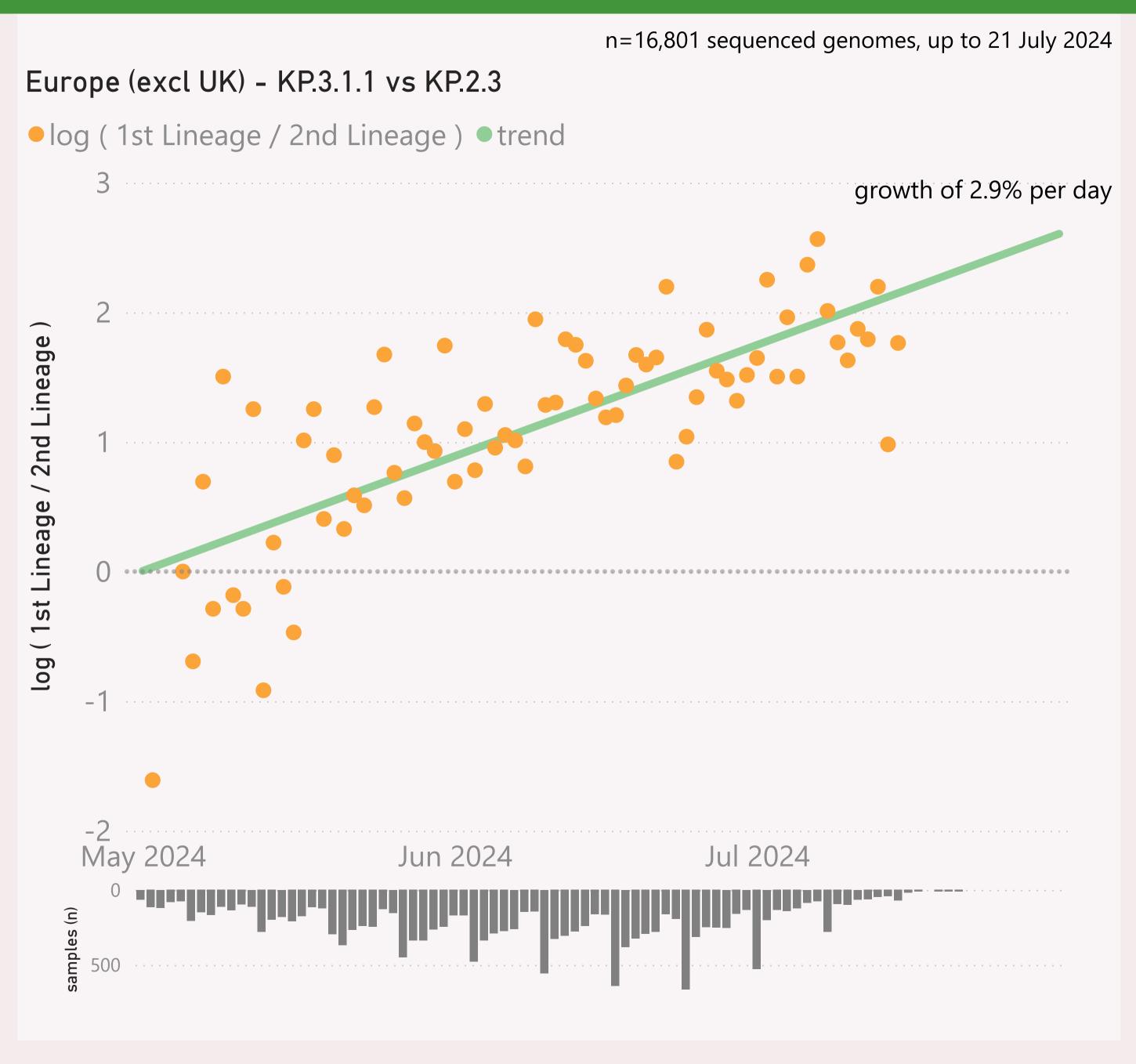


This page compares the relative frequency of 2 selected "Lineage L2" groups, over recent months. A challenging Lineage L2 is selected first, and compared to the incumbent.

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.

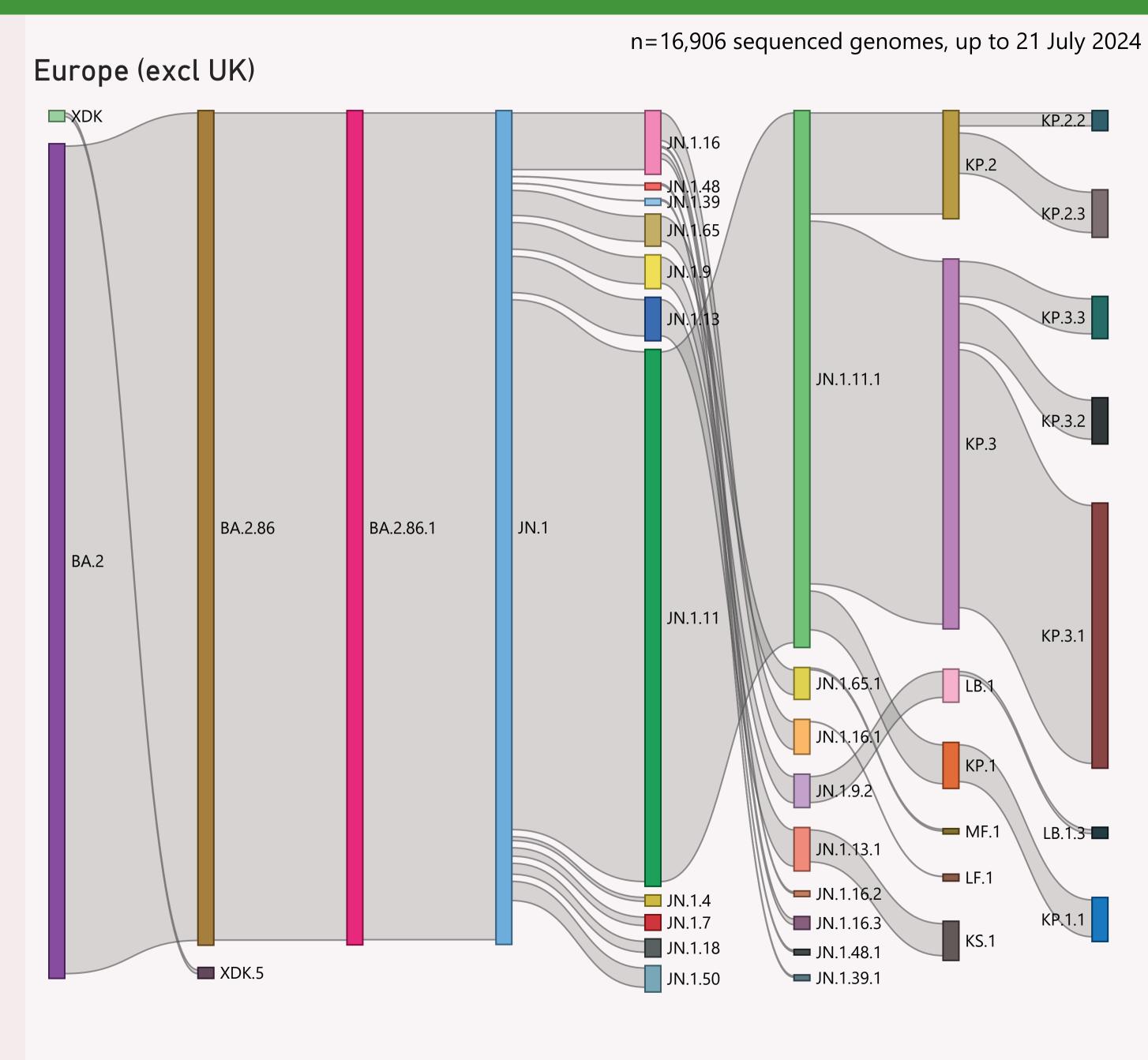


This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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.



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.

Country	# Samples Sequenced	Latest Collection date	by Collection date	Latest Submission date	by Submission date
⊕ Spain	7,297	7/21/2024		7/23/2024	أدرالل يما مسيال مماملين
⊕ France	2,501	7/8/2024	أحواله الخروب والمساورة	7/23/2024	arche untabiend
⊞ Ireland	1,238	7/16/2024		7/23/2024	أنسما مطامعات والأ
	884	7/12/2024		7/23/2024	and the latest terms of th
⊕ Russia	806	7/2/2024	. La Mandalana	7/23/2024	and the latest
<b>H</b> Germany	748	7/10/2024		7/23/2024	
	579	7/2/2024	علاماله الجرور	7/16/2024	
Sweden	561	7/15/2024	والما أنشاروني	7/23/2024	
Italy	524	7/15/2024		7/23/2024	الللأ أرا المرد وبالرزاية
Denmark	507	7/15/2024		7/23/2024	
Switzerland	246	6/29/2024		7/11/2024	1 Lul
⊕ Iceland	245	7/14/2024		7/17/2024	
	231	6/5/2024	a.c.atal.	7/2/2024	
Belgium	164	7/9/2024	le annum	7/23/2024	
⊕ Ukraine	164	7/5/2024	mlit	7/19/2024	1 1 1 1
	117	6/28/2024	and the	7/17/2024	i i i
<b>Slovenia</b>	88	7/16/2024		7/23/2024	1 1
⊕ Finland	83	5/28/2024		6/13/2024	
⊕ Poland	51	7/17/2024		7/23/2024	
⊕ Austria	42	7/4/2024		7/15/2024	
⊕ Moldova	39	4/15/2024	Tu .	6/28/2024	
⊕ Greece	38	5/19/2024	r a little	6/25/2024	
⊕ Czechia	33	6/17/2024	1 1 1	7/4/2024	
⊕ Croatia	23	7/15/2024	1.1	7/22/2024	
⊞ Romania	21	5/31/2024		6/19/2024	T. (
	16	6/1/2024		6/8/2024	
	4	4/14/2024		6/30/2024	
	1	4/30/2024		7/23/2024	
Total	17,251	7/21/2024	اعتابا المناب	7/23/2024	أحالها تاخاليه وعادي

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.