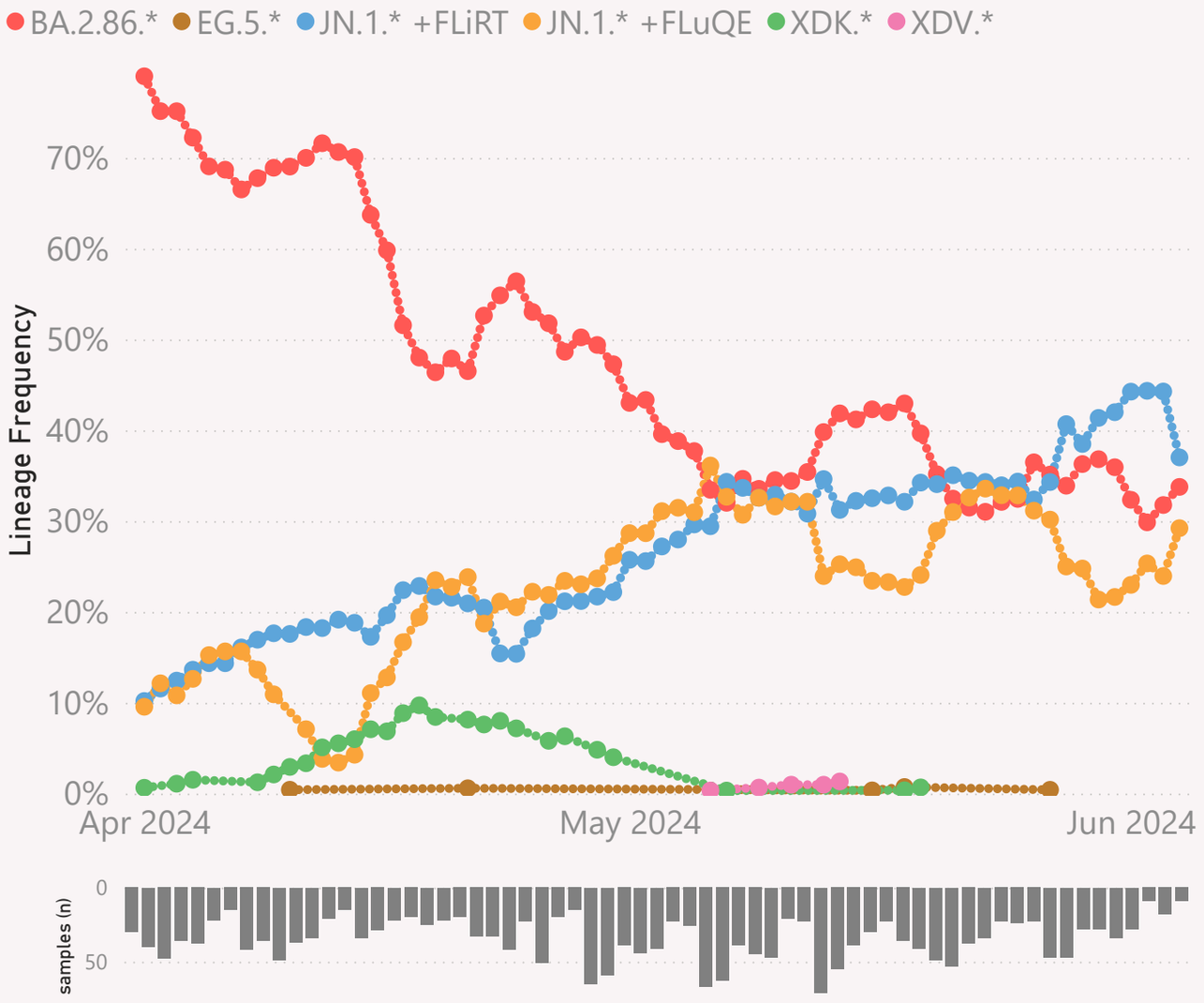
COVID-19 Genomic Sequencing analysis. Lineage Frequencies. Data from gisaid.org, with nextclade lineages. Source files and more info on github. Last Update: 2024-06-14 23:49 (UTC)

n=2,241 sequenced genomes, up to 4 June 2024

Canada - Ontario



Date

1/04/2024 — 31/12/2024

Continent, Country, Location

North America (Continent) + Canada (Count...

Lineage L2, Lineage (nextclade)

All

Host

Human

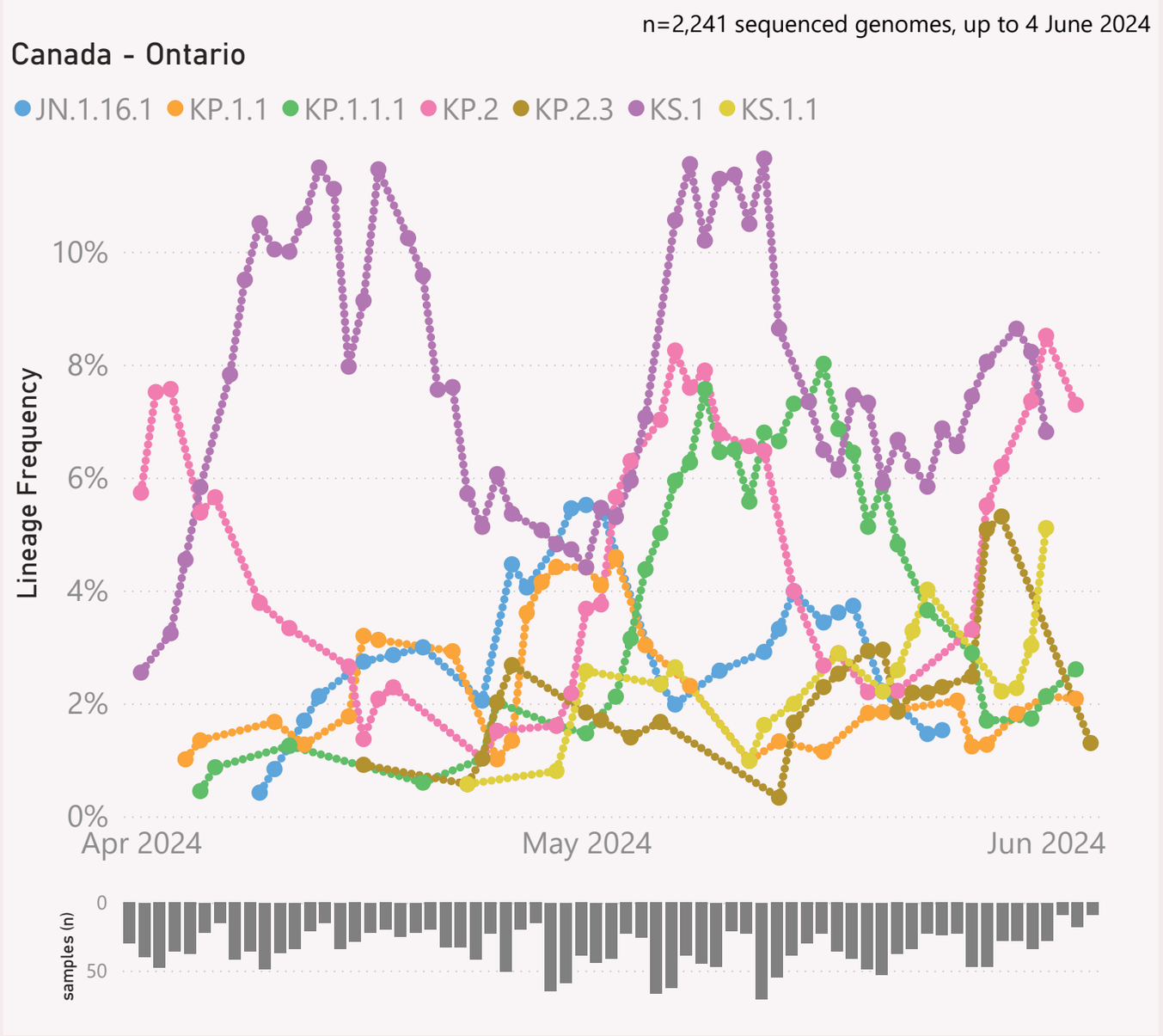
Samples Sequenced (gisaid)

2,241

Country	Location	Addi...	Collection date	Lineage L2	Lineage (nextcla
Canada	Ontario		4/06/2024	JN.1.* +F...	KP.2.3
Canada	Ontario		4/06/2024	BA.2.86.*	JN.1.7
Canada	Ontario		4/06/2024	BA.2.86.*	JN.1.7.4
Canada	Ontario		4/06/2024	BA.2.86.*	LB.1
Canada	Ontario		4/06/2024	JN.1.* +F...	KP.3.1.4
Canada	Ontario		4/06/2024	JN.1.* +F...	KP.3.2
Canada	Ontario		4/06/2024	JN.1.* +F...	KP.3.2.3
Canada	Ontario		3/06/2024	BA.2.86.*	KV.2
Canada	Ontario		3/06/2024	BA.2.86.*	LB.1
Canada	Ontario		3/06/2024	JN.1.* +F...	KP.1.1
Canada	Ontario		3/06/2024	JN.1.* +F...	KP.1.1.1
Canada	Ontario		3/06/2024	JN.1.* +F...	KP.1.1.3
Canada	Ontario		3/06/2024	JN.1.* +F...	KP.2
Canada	Ontario		3/06/2024	JN.1.* +F...	KP.3
Canada	Ontario		3/06/2024	BA.2.86.*	JN.1.50
Canada	Ontario		3/06/2024	BA.2.86.*	JN.1.7.4
Canada	Ontario		3/06/2024	BA.2.86.*	LB.1
Canada	Ontario		3/06/2024	JN.1.* +F...	KP.2.2
Canada	Ontario		3/06/2024	JN.1.* +F...	KP.3.2
Canada	Ontario		2/06/2024	BA.2.86.*	JN.1.18.5
Canada	Ontario		2/06/2024	JN.1.* +F...	KP.3.1
Canada	Ontario		2/06/2024	JN.1.* +F...	KP.3.1.4

Total

COVID-19 Genomic Sequencing analysis. Lineage Frequencies. Data from gisaid.org, with nextclade lineages. Source files and more info on github. Last Update: 2024-06-14 23:49 (UTC)



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.* + FLiRT".

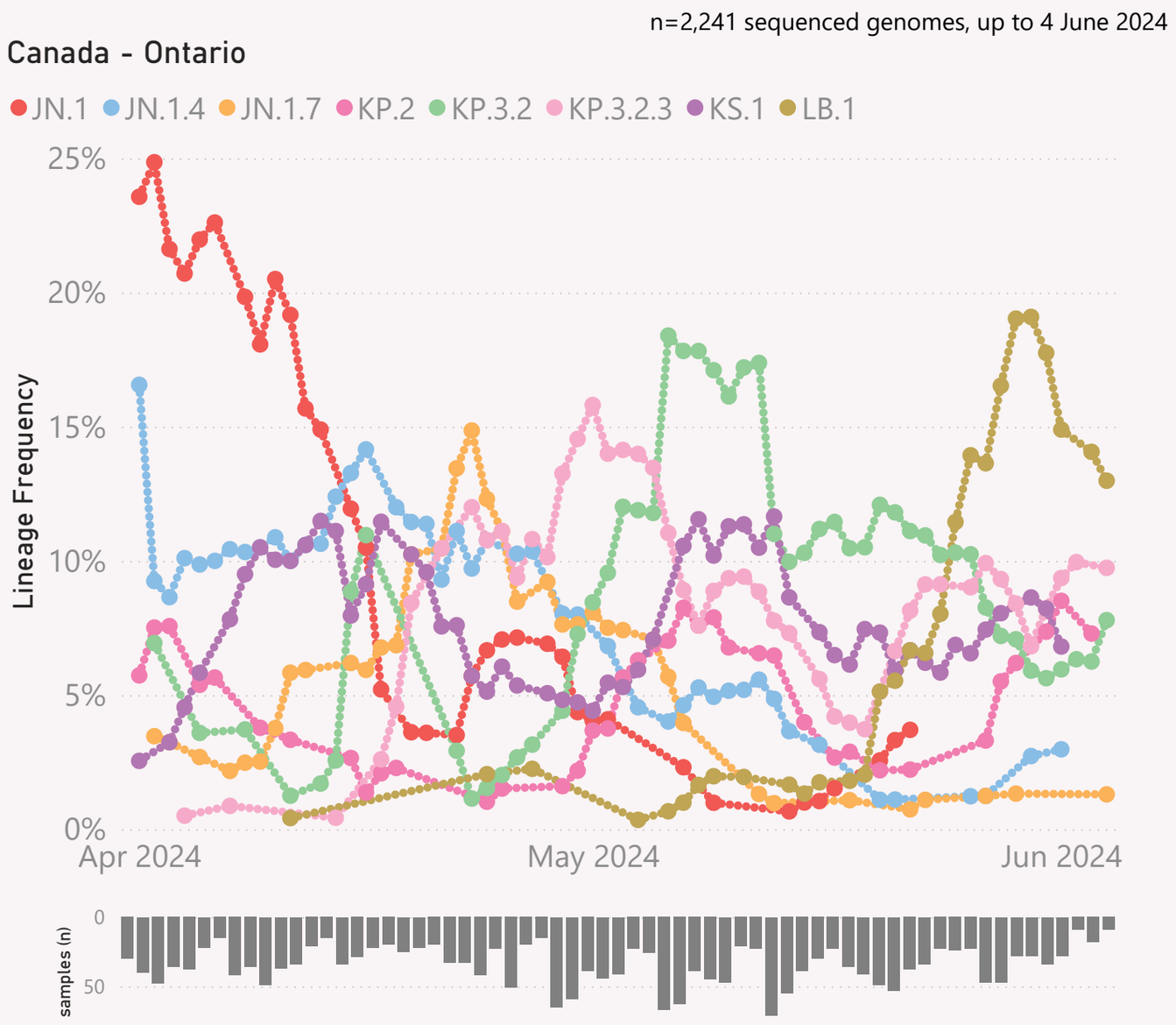
The Lineage classifications are provided by Nextclade. The colour assignments are random.

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=2,241 sequenced genomes, up to 4 June 2024



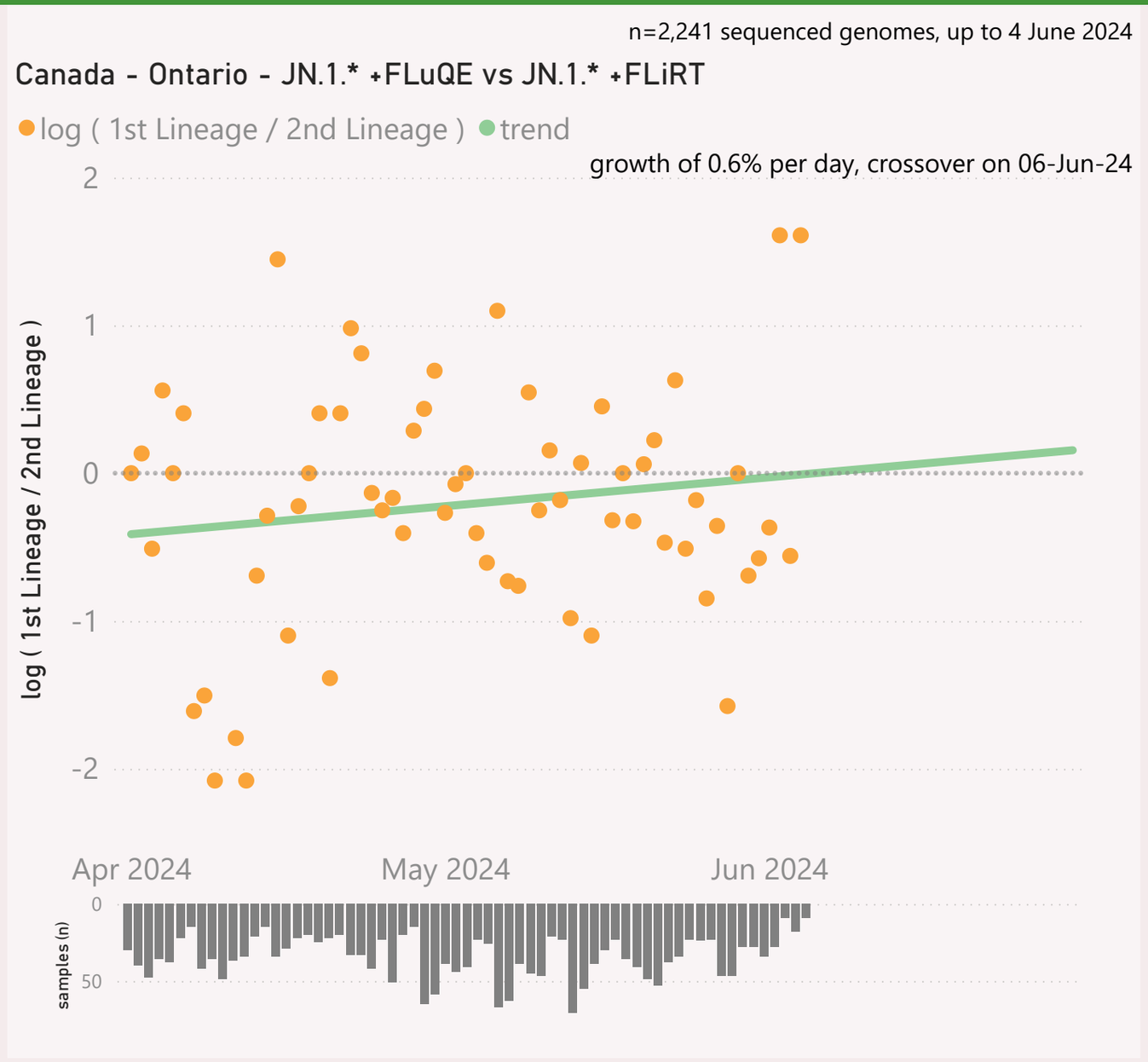
This page shows the frequency of the top 7 lineages for Ontario Canada, across recent months.

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.



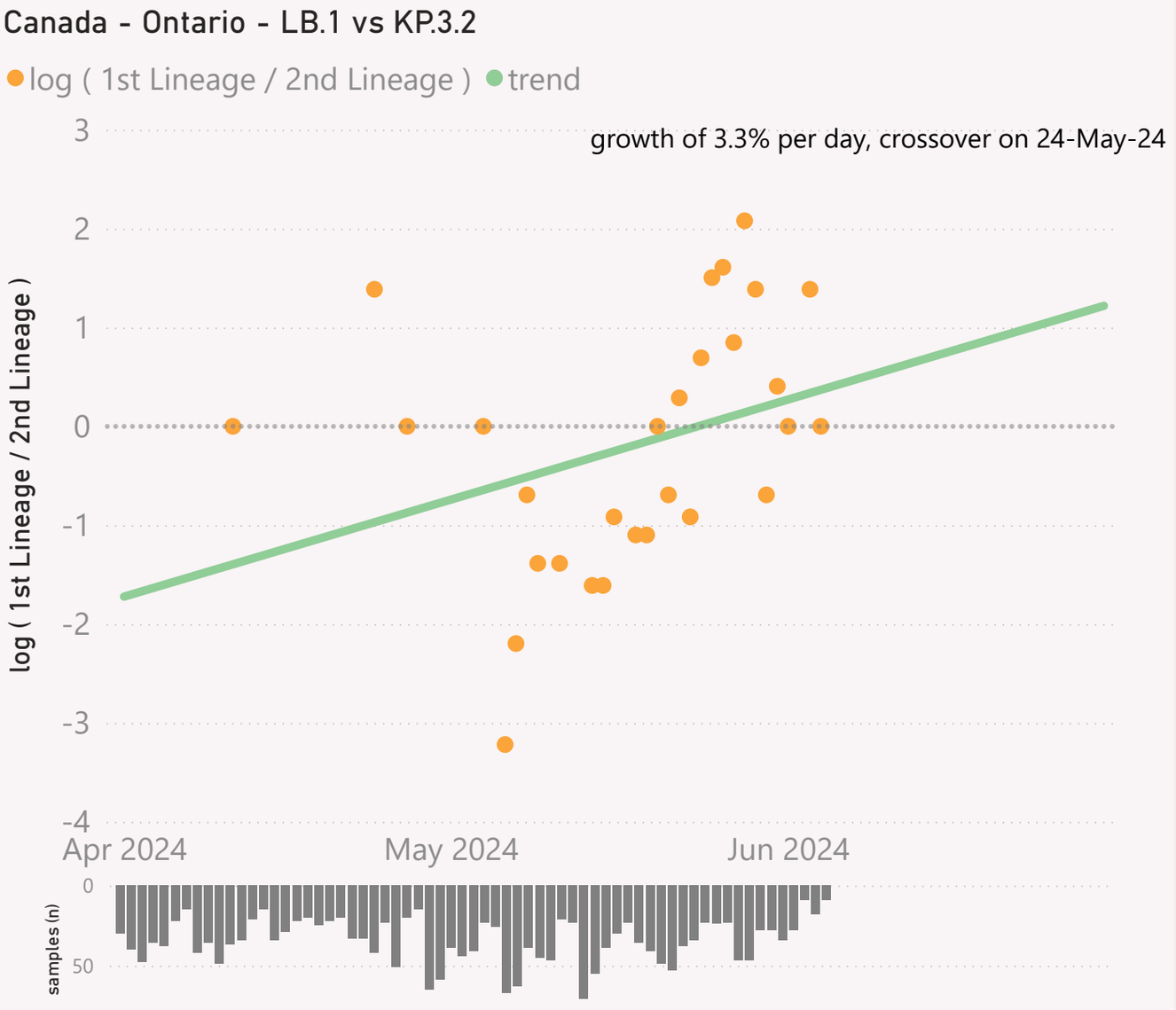
This page compares the relative frequency of 2 selected "Lineage L2" groups, over recent months. A challenging Lineage L2 is selected first, and compared to the incumbent.

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=2,241 sequenced genomes, up to 4 June 2024



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

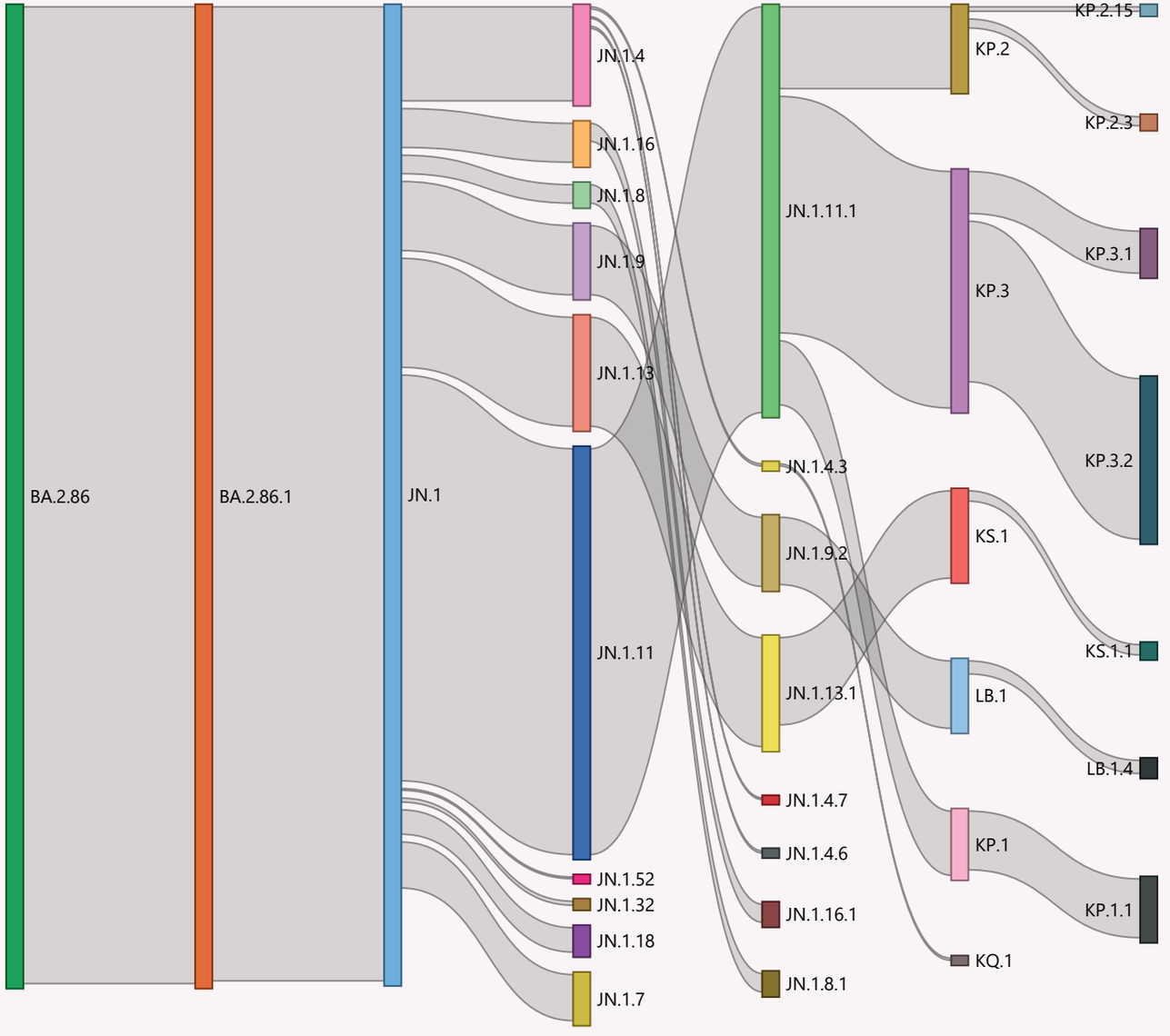
The trend is shown as a green line and expressed as a daily growth % advantage. If the green line crosses over the 0.0 line, the date when that occurred or is predicted to occur will be shown. At that point the challenging Lineage is considered to have "crossed over" or taken over dominance from the 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=2,242 sequenced genomes, up to 4 June 2024

Canada - Ontario



This page shows the hierarchy of the significant Lineages for Canada, 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.