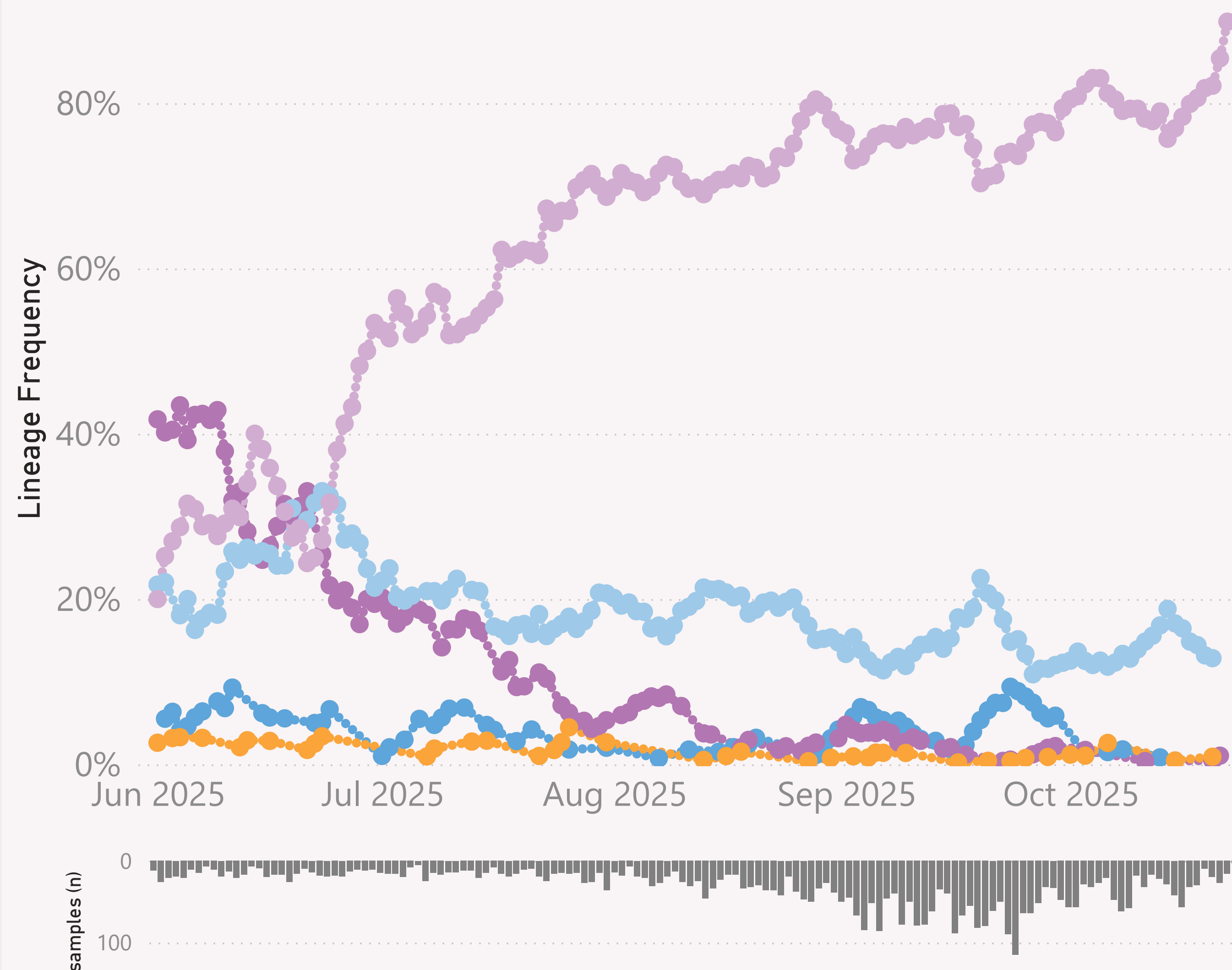n=4,458 sequenced genomes, from 1 June 2025 up to 22 October 2025

Canada – Ontario

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

This page shows the frequency of the top 7 "L2" lineages for Ontario Canada, 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.
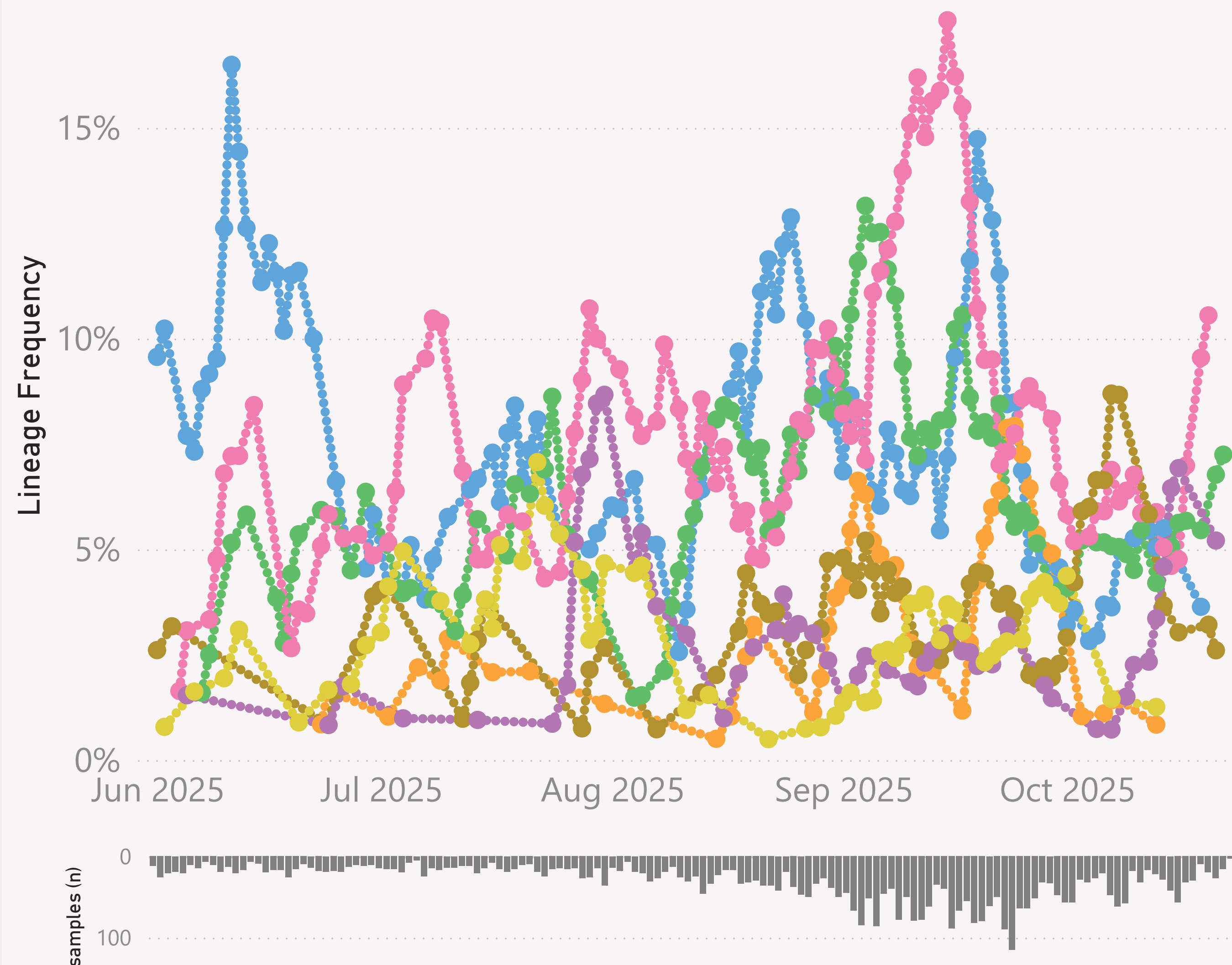
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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

n=4,458 sequenced genomes, from 1 June 2025 up to 22 October 2025

Canada - Ontario

● NB.1.8.1 ● PY.1.1.1 ● XFG.2 ● XFG.3 ● XFG.3.15 ● XFG.3.4.1 ● XFG.4

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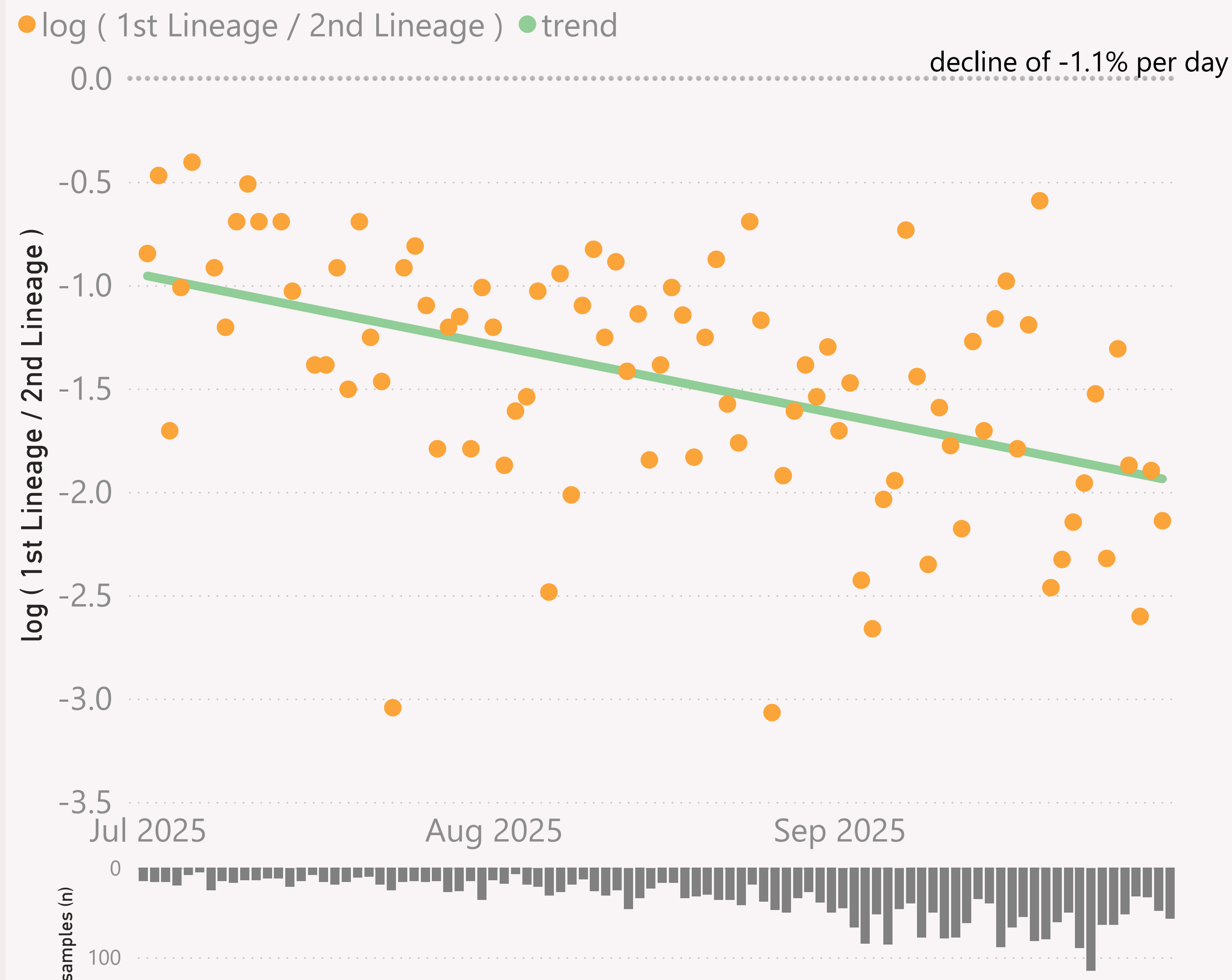
The frequency shown at each point is based on the 7-day rolling average across all lineages.

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.

n=3,299 sequenced genomes, from 1 July 2025 up to 30 September 2025

Canada – Ontario – NB.1.8.1.* Nimbus vs XFG.*

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

decline of -1.1% 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".
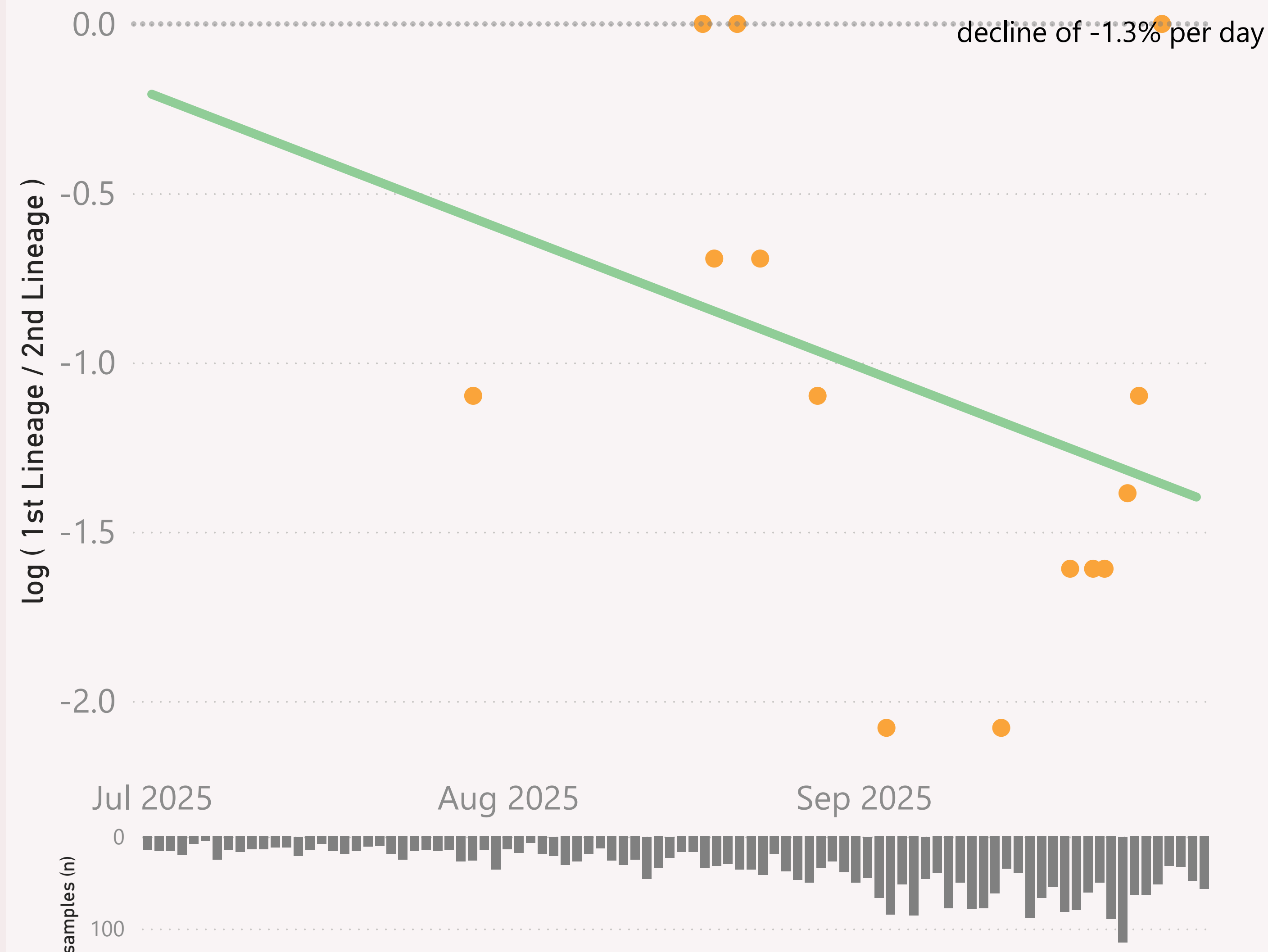
The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

n=3,299 sequenced genomes, from 1 July 2025 up to 30 September 2025

Canada – Ontario – XFG.1.1 vs XFG.3

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

decline of -1.3% per day

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.
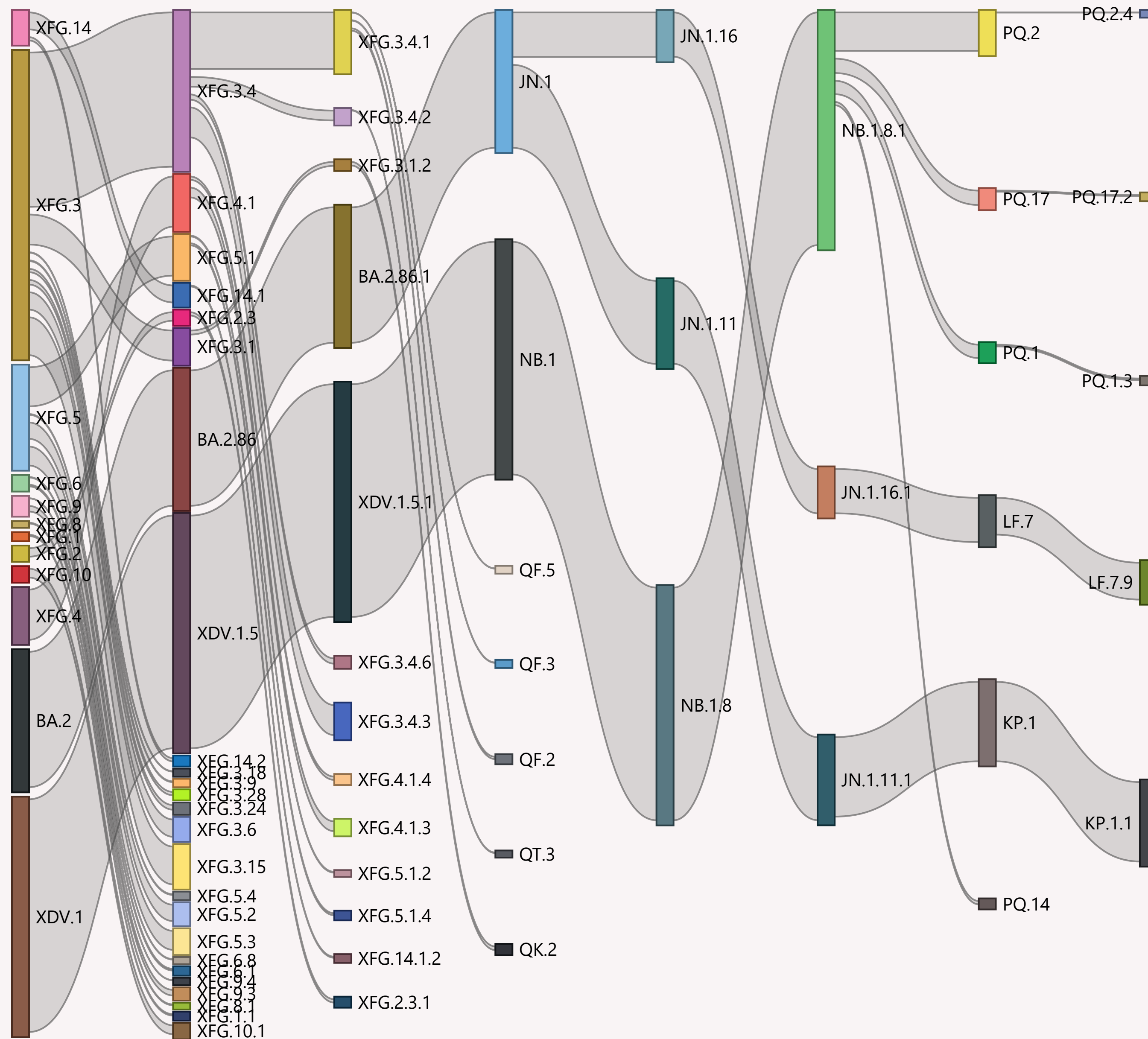
The trend is shown as a green line and expressed as a daily growth % advantage. If the green line crosses over the 0.0 line, the date when that occurred or is predicted to occur will be shown. At that point the challenging Lineage is considered to have "crossed over" or taken over dominance from the 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=4,458 sequenced genomes, from 1 June 2025 up to 22 October 2025

Canada - Ontario

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