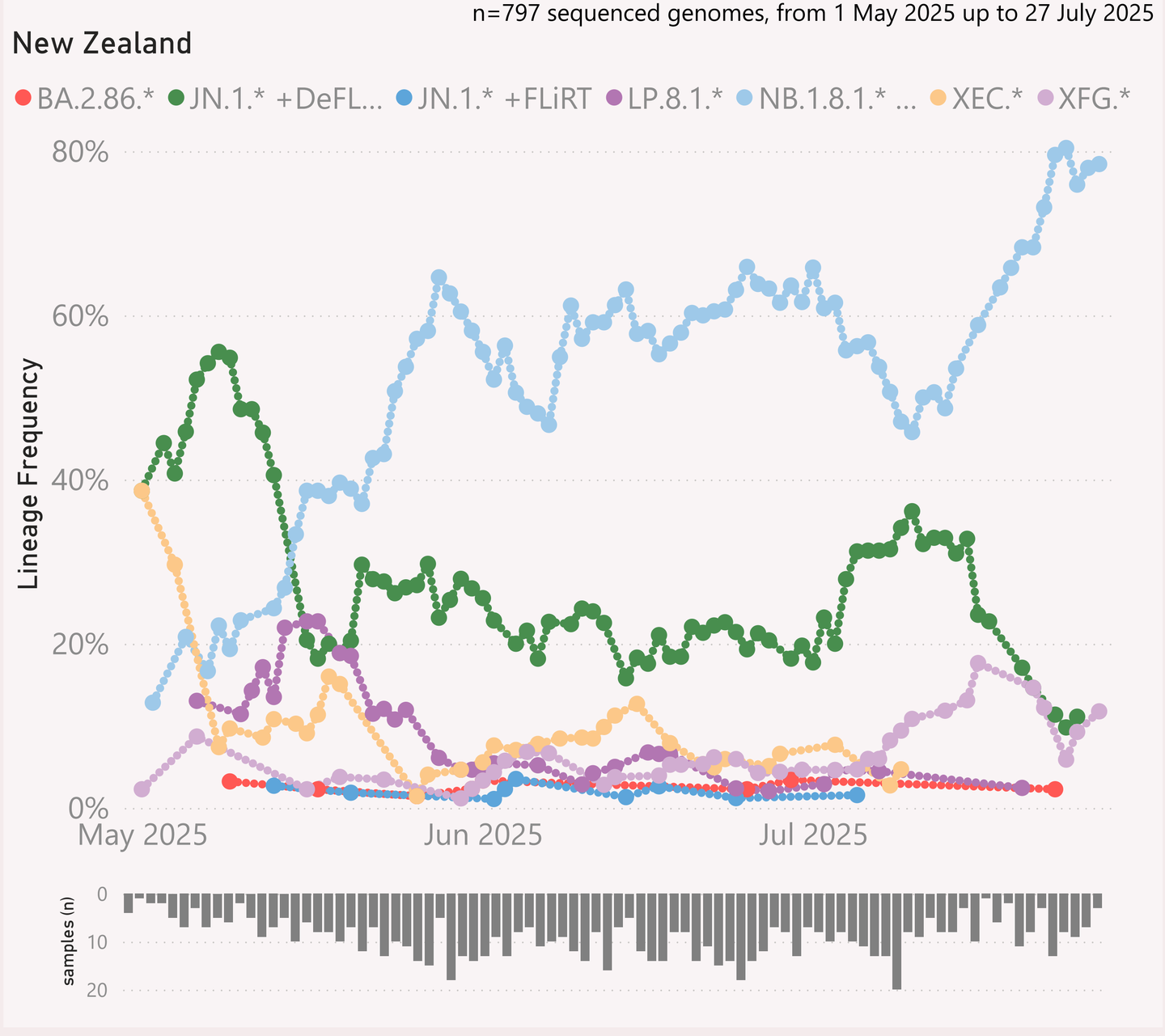
COVID-19 Genomic Sequencing analysis. Lineage Frequencies. Data from gisaid.org, with nextclade lineages. Source files and more info on github. Last Update: 2025-08-08 22:27 (UTC)

n=797 sequenced genomes, from 1 May 2025 up to 27 July 2025



This page shows the frequency of the top 7 "L2" lineages for NZ, 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.

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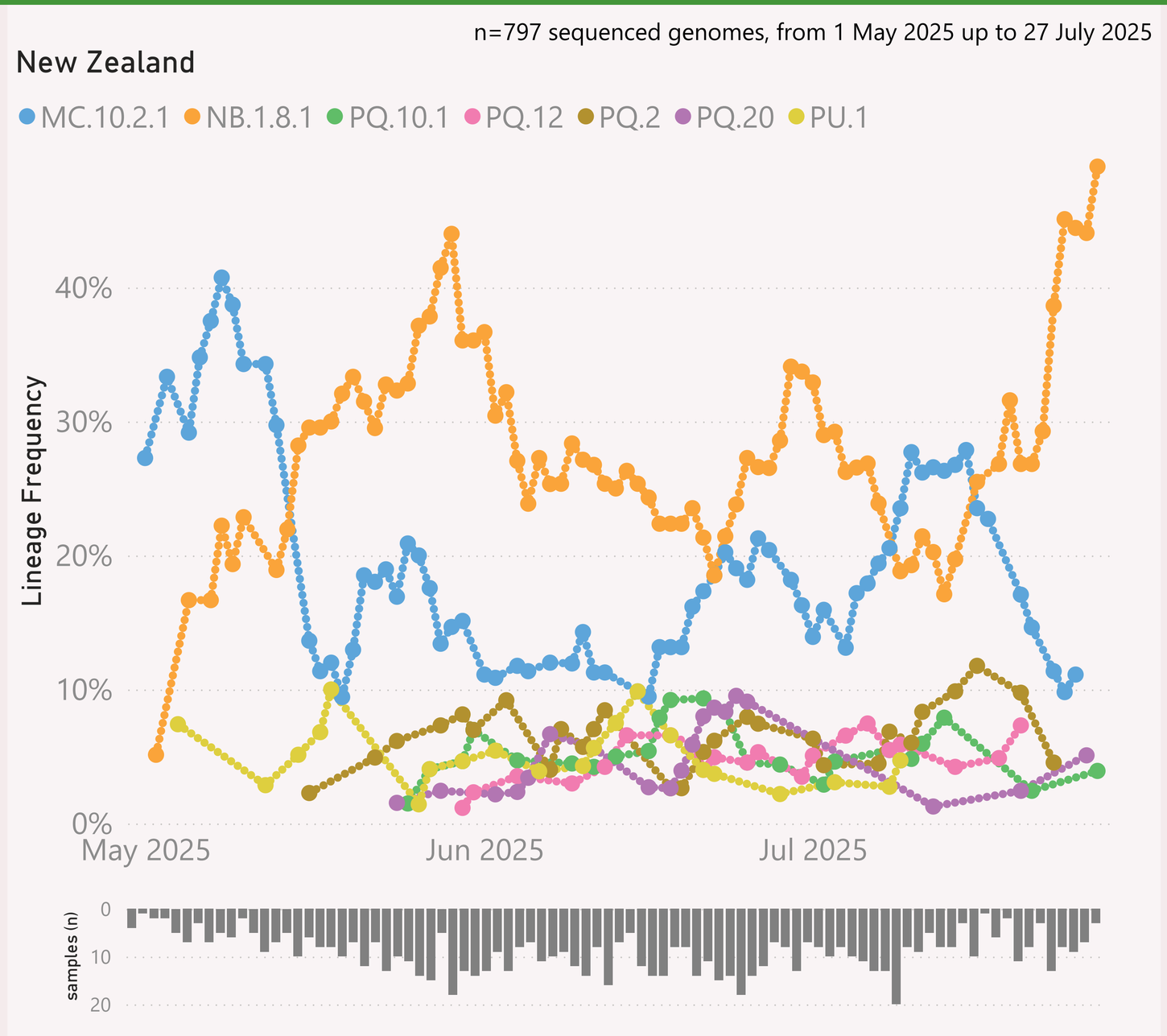

This page shows the frequency of the top 7 lineages for NZ, across recent months.

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.

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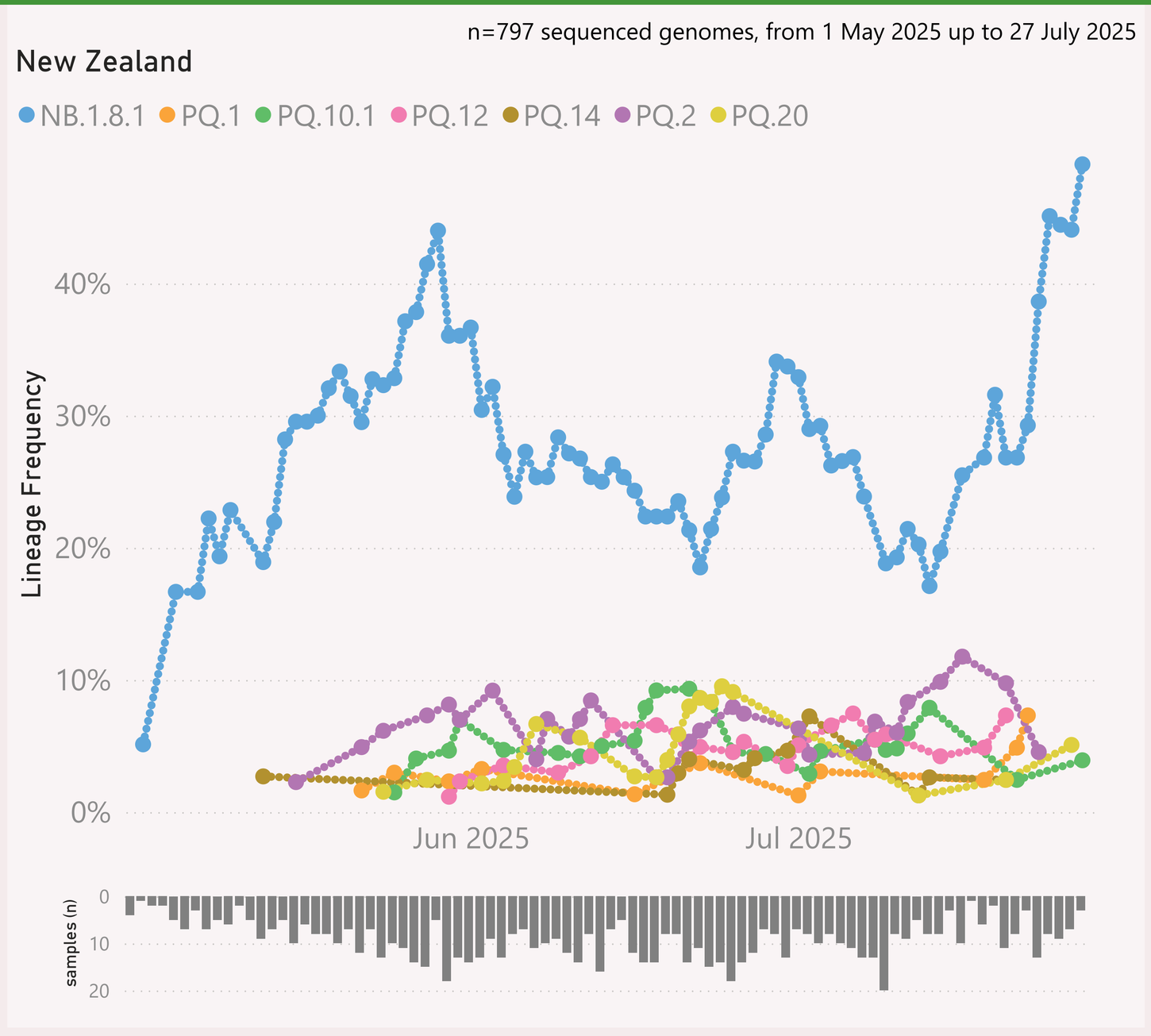

This page shows the frequency of the top 7 lineages for NZ, across recent months, for a selected Lineage L2: NB.1.8.1.* "Nimbus".

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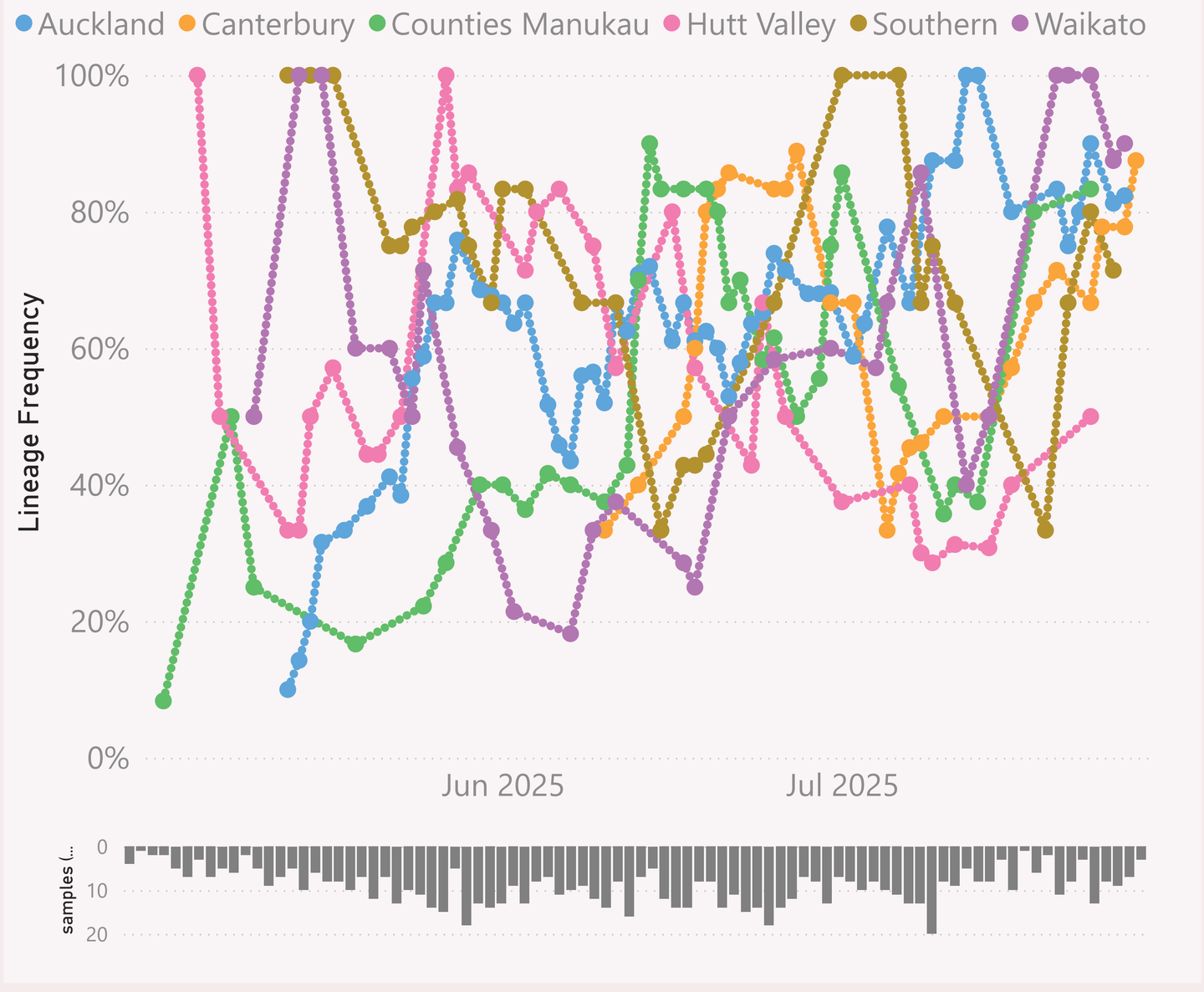

This page shows the frequency of a selected Lineage L2 of interest, across the District Health Boards (DHB) of NZ, over recent months. The top 6 locations are shown, based on the volume of samples.

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 DHB.

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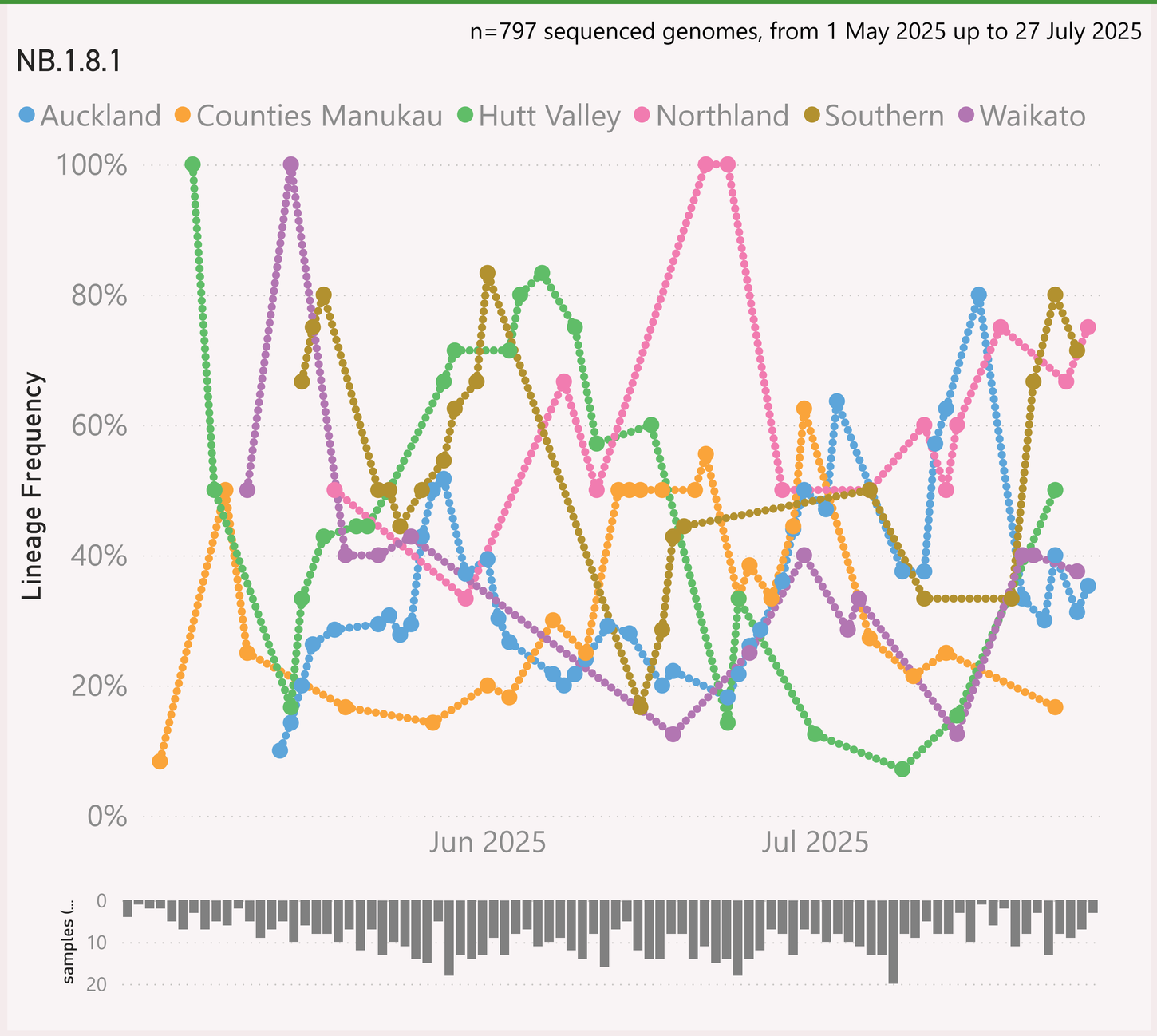

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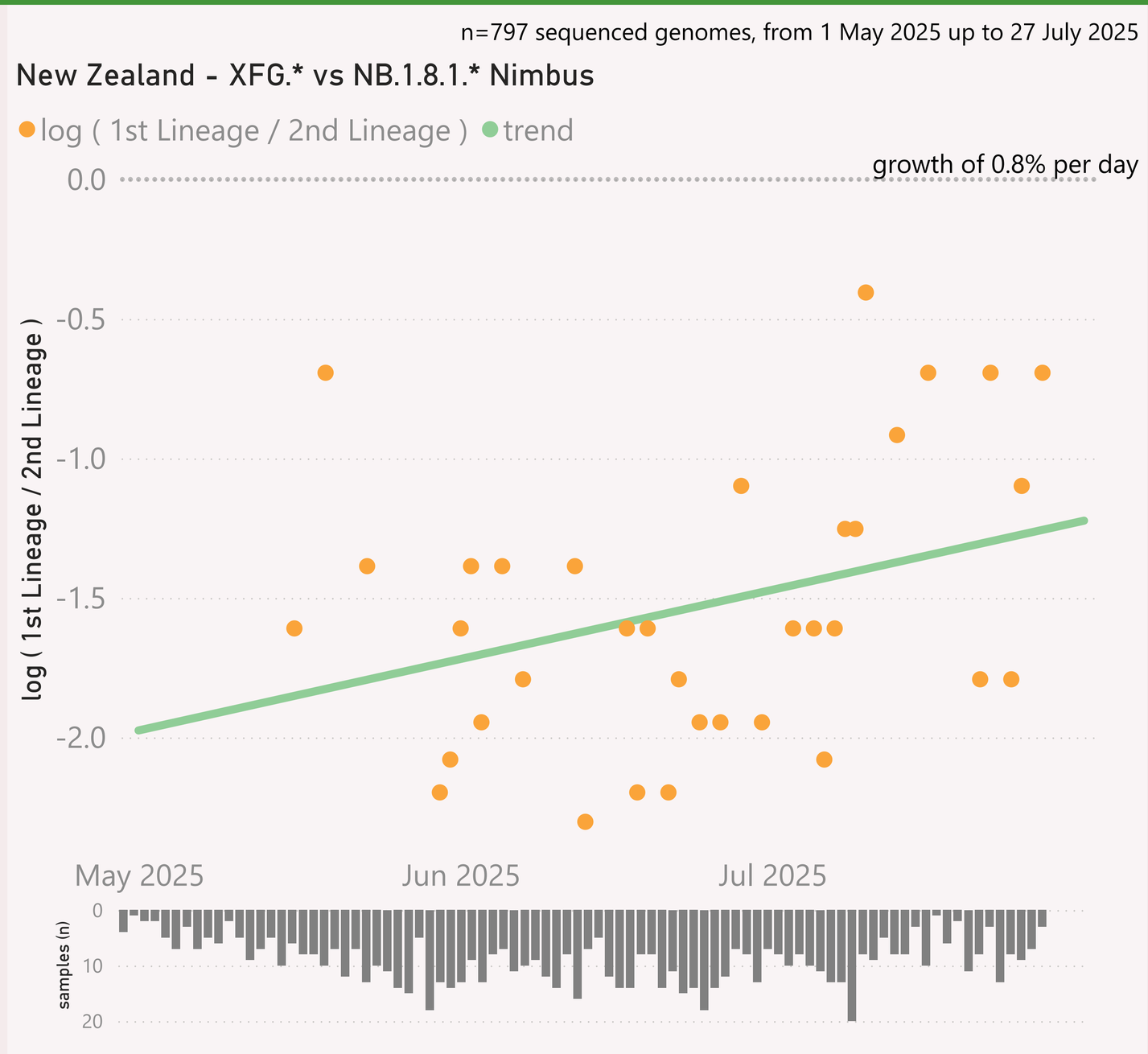

This page compares the relative frequency of 2 selected "L2" Lineages for NZ, over recent months. A challenging "L2" Lineage is selected first, and compared to the incumbent.

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 "L2" Lineage is considered to have "crossed over" or taken over dominance from the incumbent Lineage

The 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.

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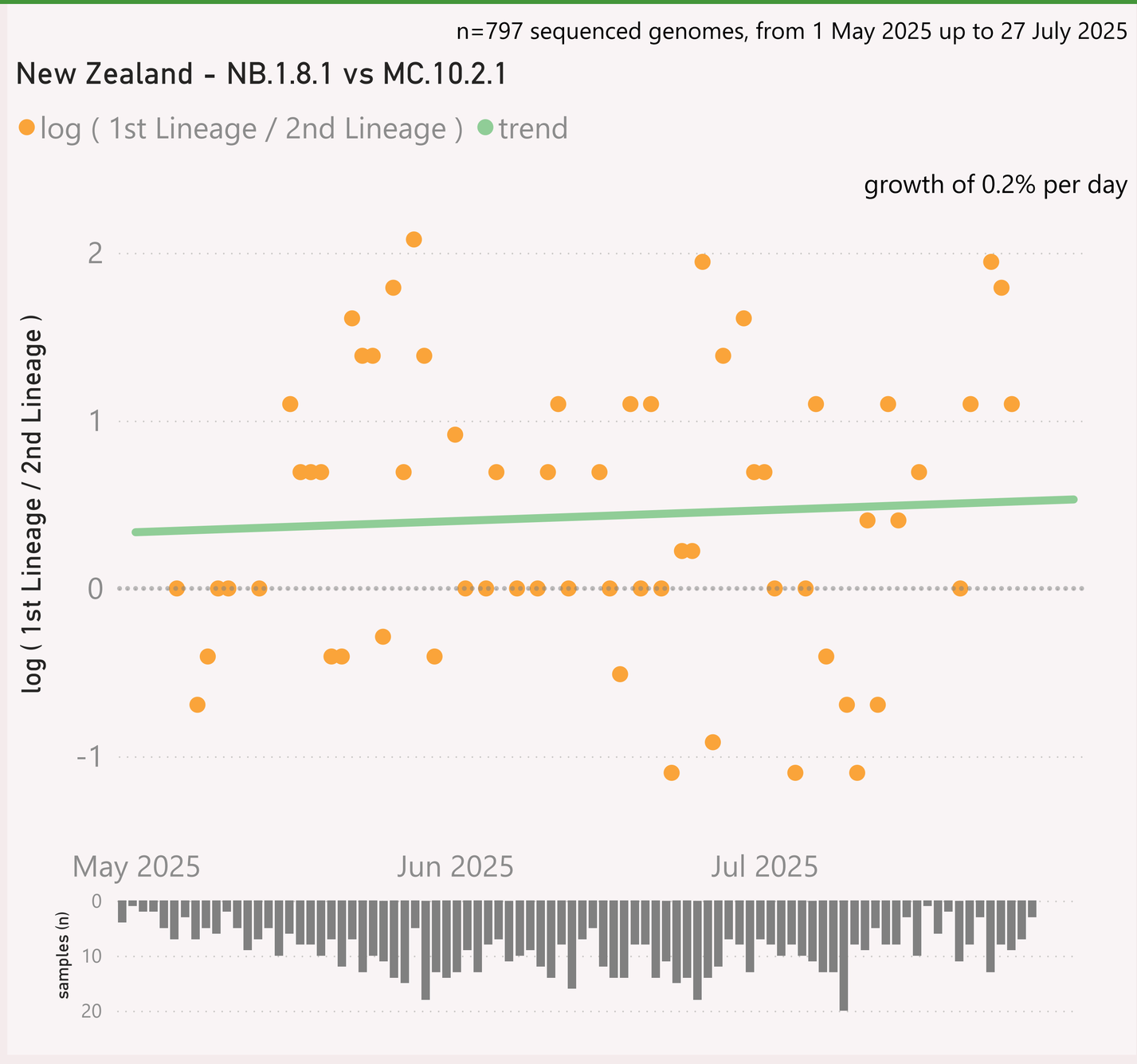

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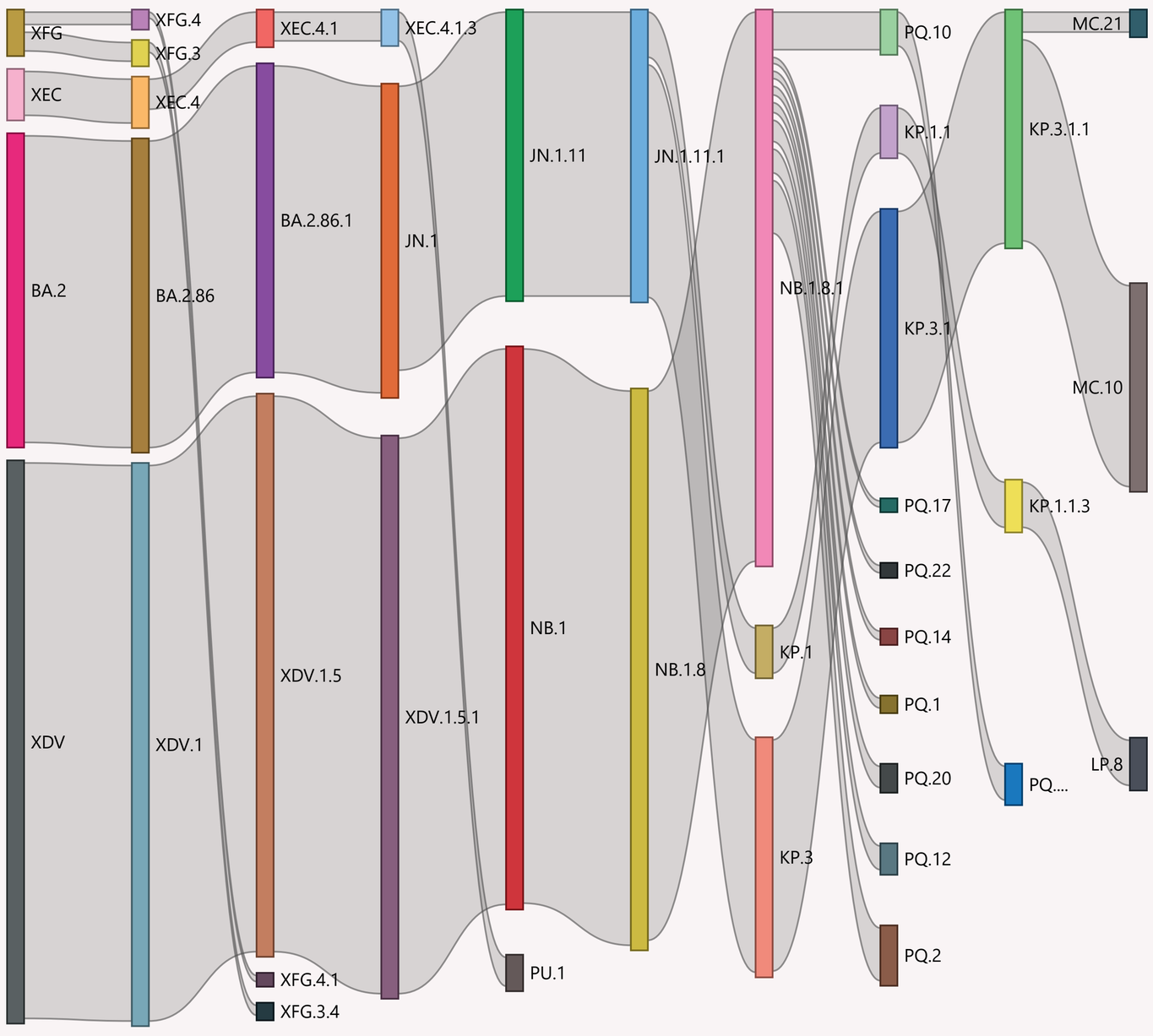
New Zealand



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

COVID-19 Genomic Sequencing analysis - Data Currency. Data from gisaid.org. Source files and info on github.

Last Update: 2025-08-08 22:27 (UTC)

Data Submitted in the last 8 weeks

Country	# Samples Sequenced	Latest Collection date	by Collection date	Latest Submission date	by Submission date
New Zealand	**571**	**27/07/2025**		**04/08/2025**	
Auckland	125	26/07/2025		04/08/2025	
Counties Manukau	66	23/07/2025		04/08/2025	
Waikato	62	26/07/2025		04/08/2025	
Hutt Valley	59	23/07/2025		04/08/2025	
Canterbury	55	27/07/2025		04/08/2025	
Southern	40	25/07/2025		04/08/2025	
Northland	29	26/07/2025		04/08/2025	
Taranaki	27	27/07/2025		04/08/2025	
Bay of Plenty	18	23/07/2025		04/08/2025	
Waitemata	17	24/07/2025		04/08/2025	
MidCentral	16	27/07/2025		04/08/2025	
Hawkes Bay	15	21/07/2025		04/08/2025	
Nelson Marlborough	12	13/07/2025		21/07/2025	
Lakes	8	07/07/2025		21/07/2025	
Capital and Coast	6	13/07/2025		31/07/2025	
Wairarapa	4	27/06/2025		21/07/2025	
Whanganui	4	29/06/2025		14/07/2025	
South Canterbury	3	09/07/2025		21/07/2025	
Tairawhiti	3	09/07/2025		21/07/2025	
West Coast	2	01/07/2025		31/07/2025	
Total	**571**	**27/07/2025**		**04/08/2025**	

This page shows the volume and currency/timeliness of the genomic sequencing data shared for NZ via GISAID, over the last 8 weeks. A breakdown by location is also shown.

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.