

Wastewater-based epidemiology of SARS-CoV-2 in Switzerland

Julien Riou

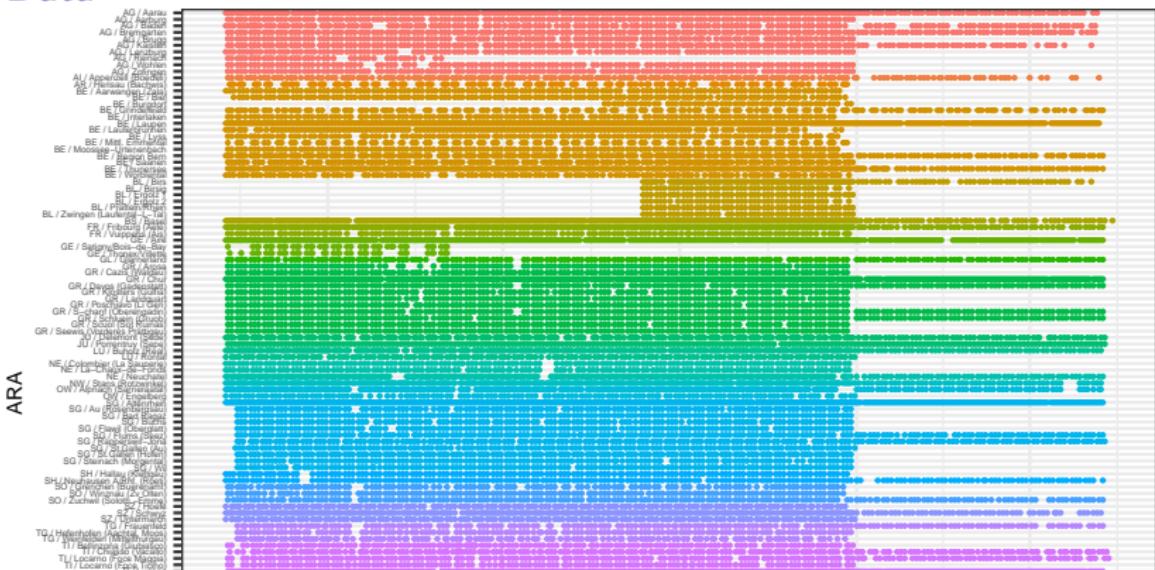
11 August 2023

Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

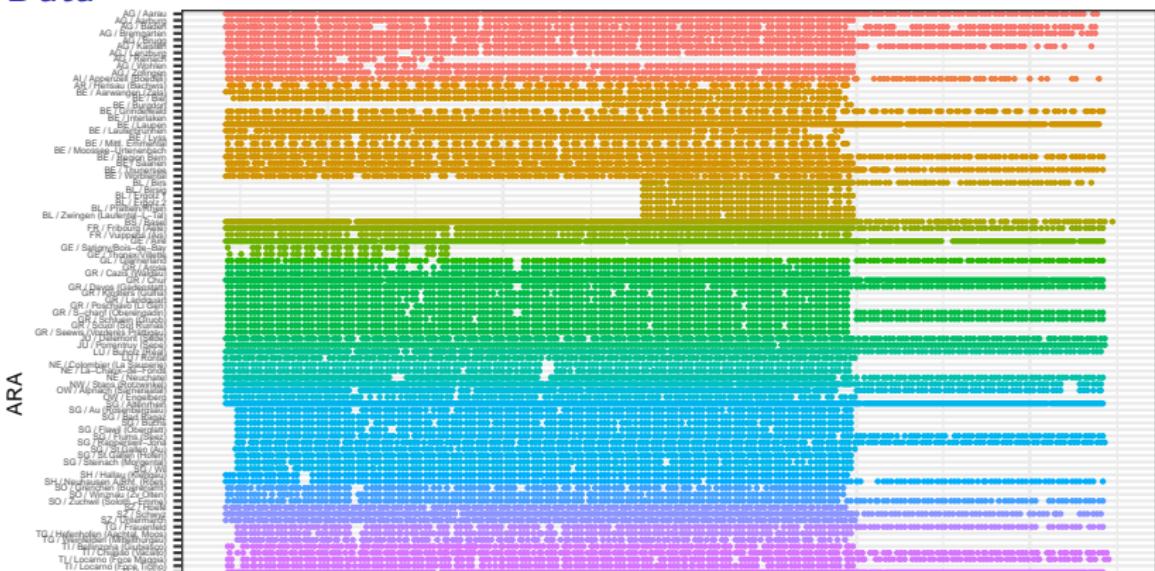


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

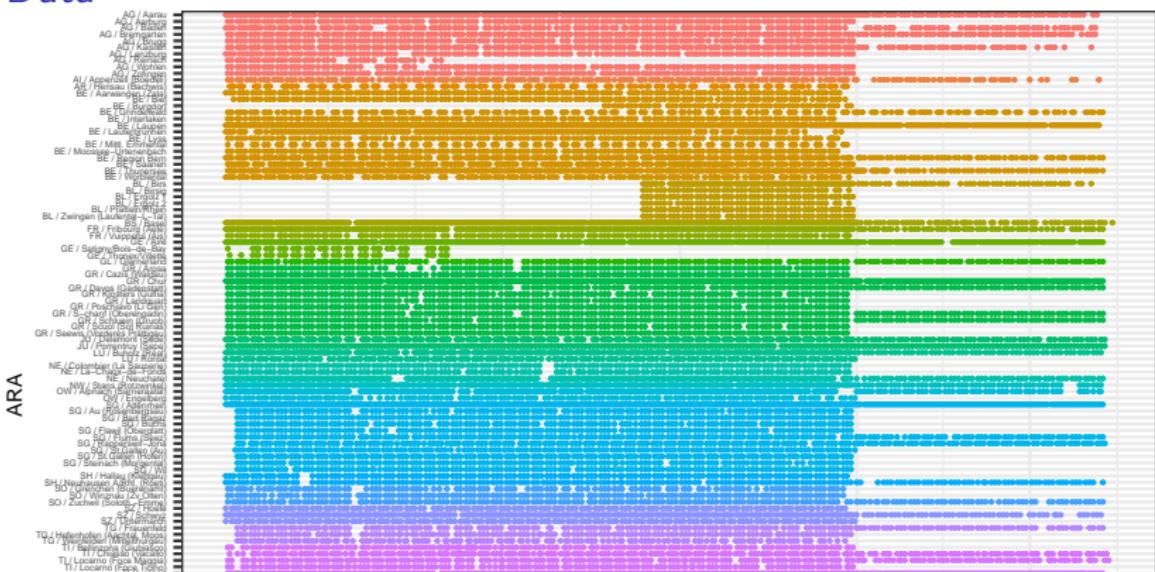


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
 - ▶ 118 ARAs (fluctuating)
 - ▶ various sampling frequencies (from weekly to daily)
 - ▶ samples sent to 9 different laboratories
 - ▶ 20,535 total measurements as of 14 May, 2023

Data

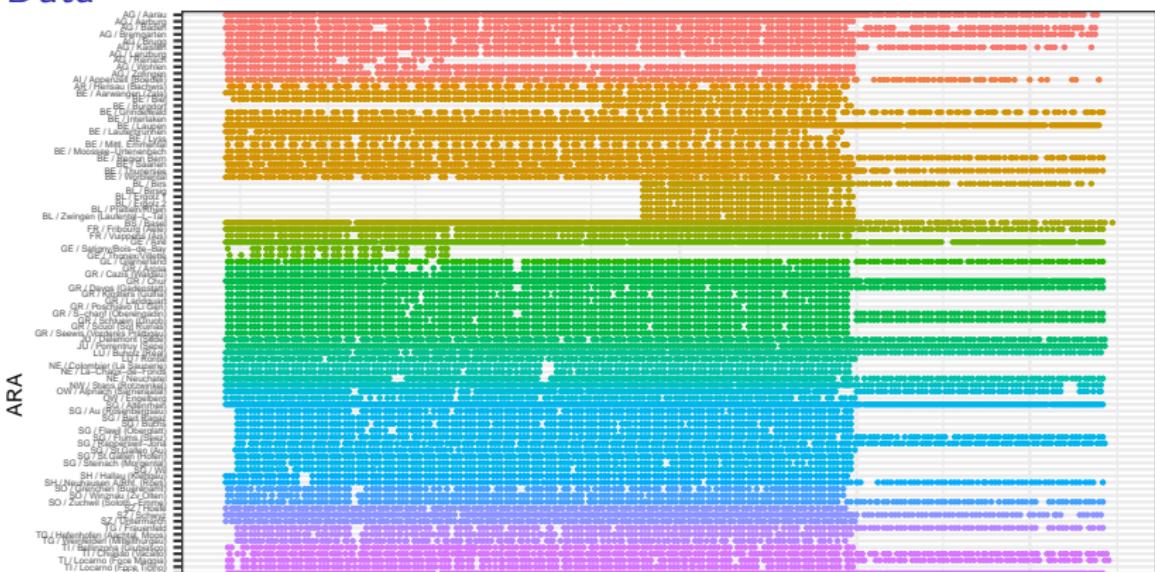


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

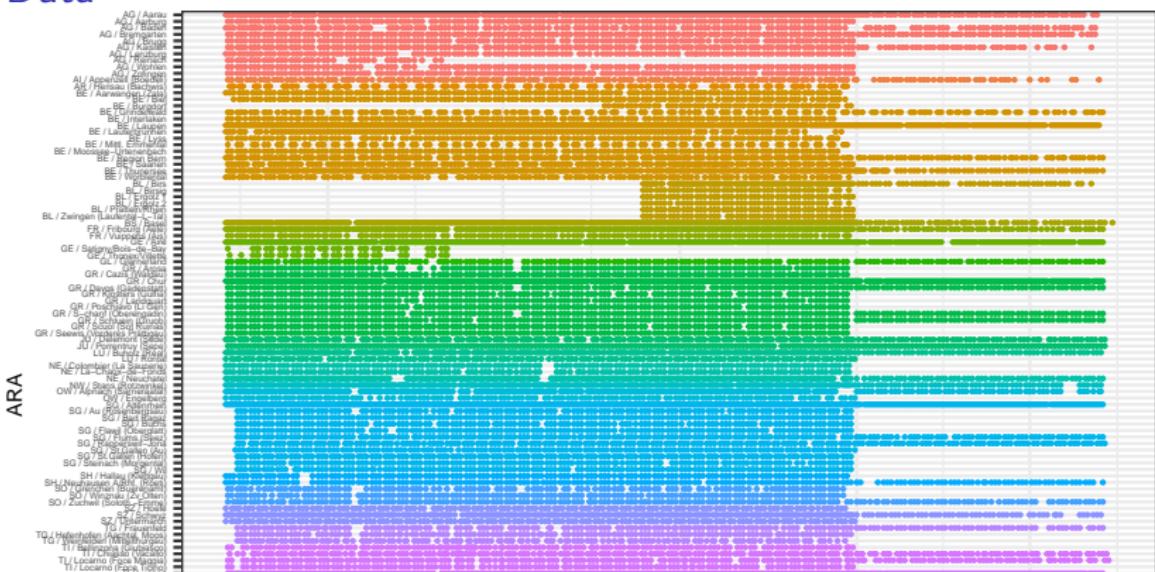


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
 - ▶ 118 ARAs (fluctuating)
 - ▶ various sampling frequencies (from weekly to daily)
 - ▶ samples sent to 9 different laboratories
 - ▶ 20,535 total measurements as of 14 May, 2023

Data

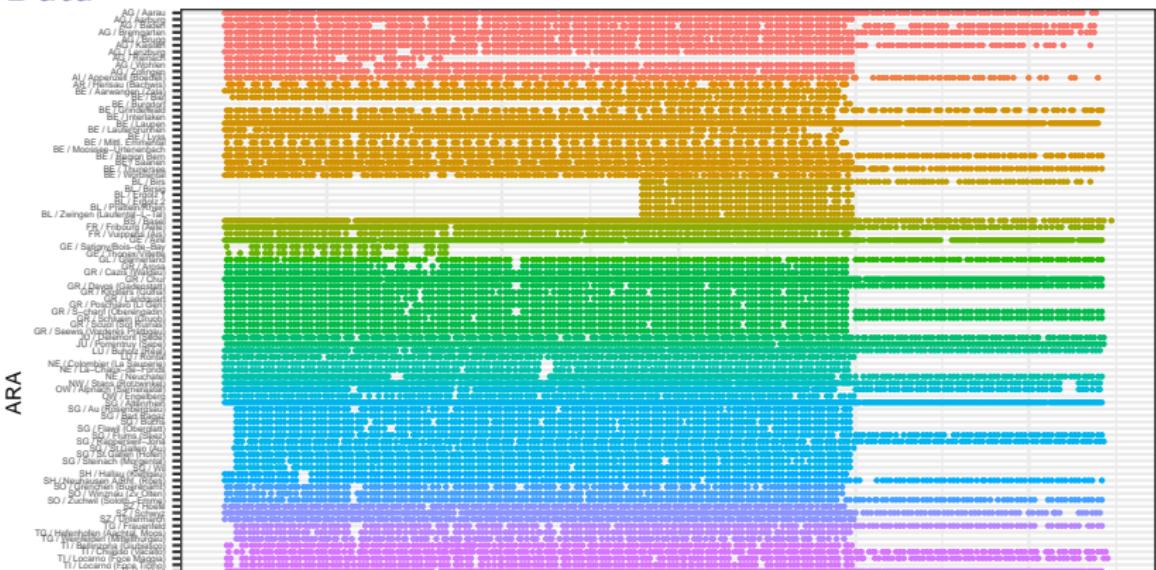


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

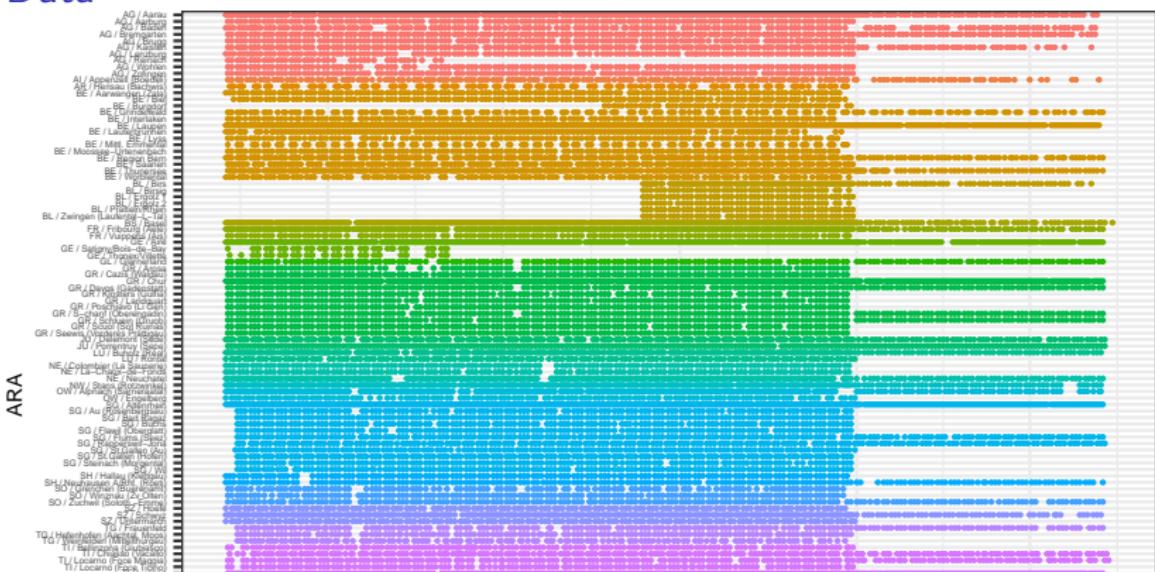


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

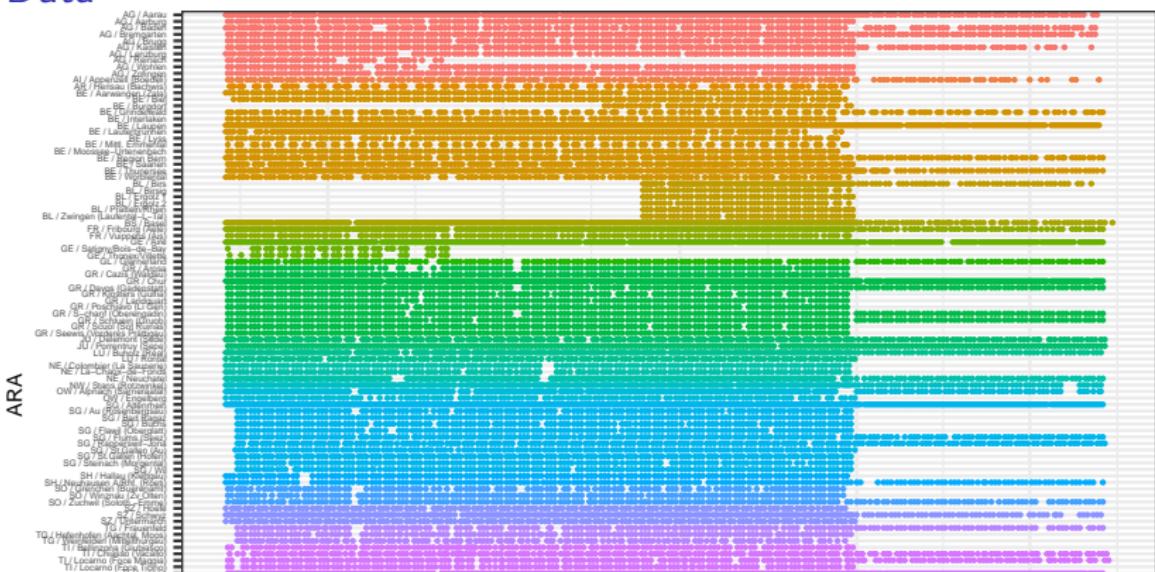


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

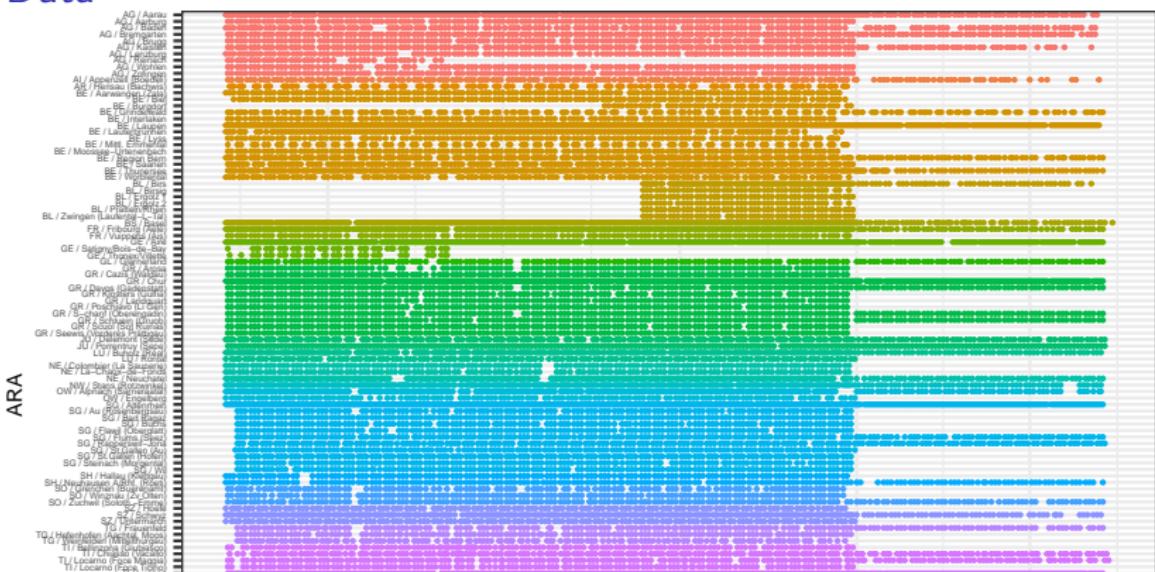


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

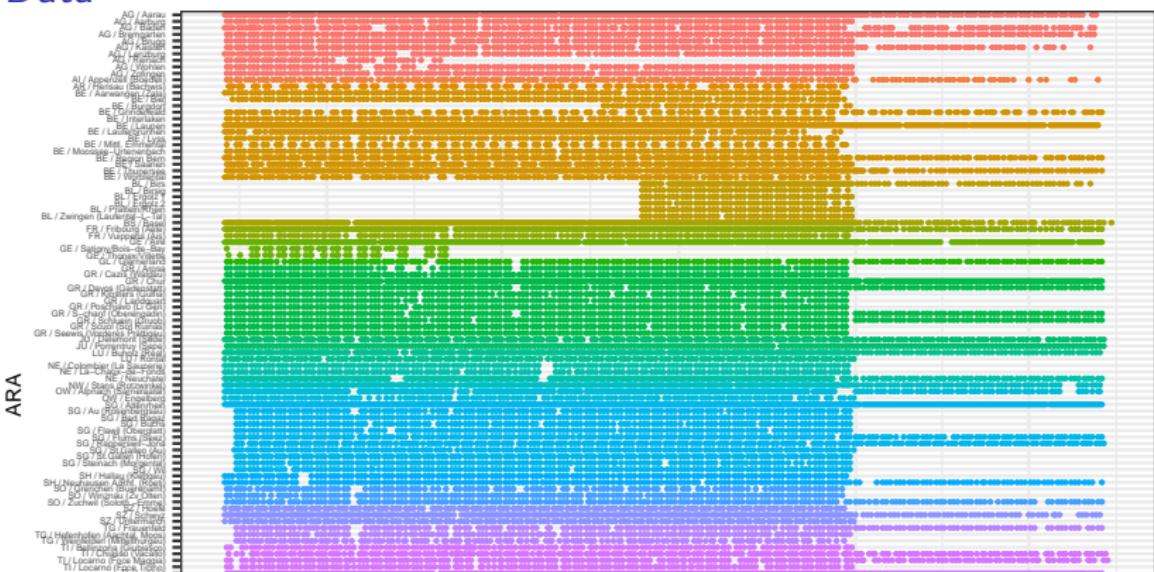


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data

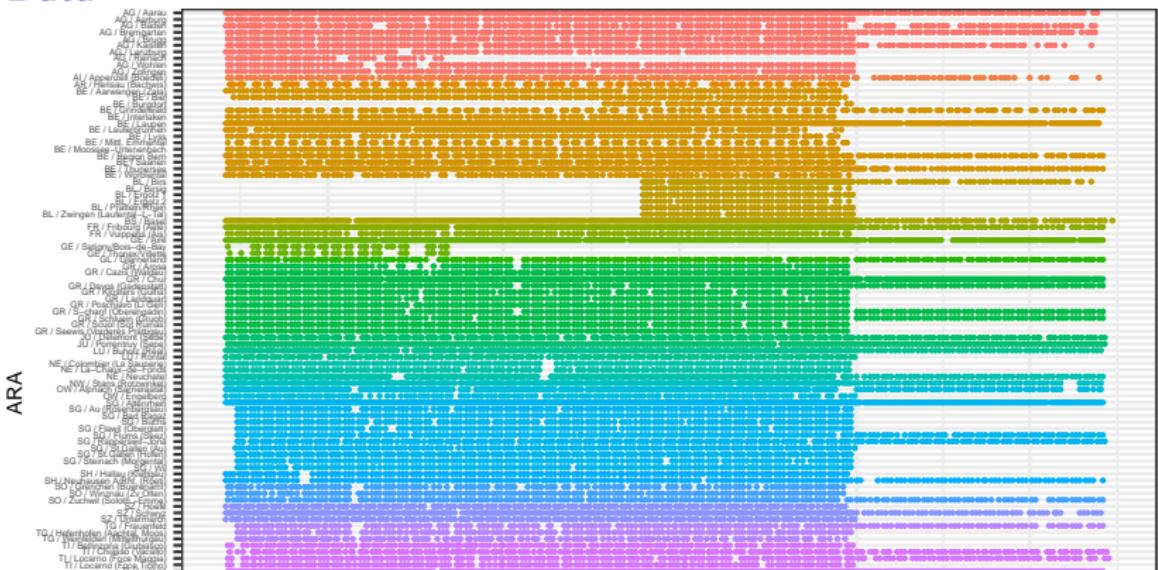


Background

Wastewater surveillance of SARS-CoV-2 in Switzerland:

- ▶ data available from 7 February 2022
- ▶ 118 ARAs (fluctuating)
- ▶ various sampling frequencies (from weekly to daily)
- ▶ samples sent to 9 different laboratories
- ▶ 20,535 total measurements as of 14 May, 2023

Data



Discussion

3. Assess the agreement with other types of surveillance
 - ▶ still ongoing
 - ▶ idea: joint modelling of reported cases/hospitalisations and viral load
 - ▶ discussions planned with France (Sorbonne University, Prof. Boëlle) and UK (Imperial, Prof. Blangiardo)