

Supplementary Information

Table S1. SARS-CoV-2 sequences shared on GISAID from 10/01/2020 to 07/07/2025.

Continent	Sequences shared, n (% of total GISAID)	Population, n (% of world population)	Reported COVID-19 cases, n	Reported cases compared to population, %	Sequenced and shared cases, %	Sequences per capita, %
Africa	174.460 (1.1%)	1.393.676.444 (17.6%)	12.443.429	1%	1.4%	0.01%
Asia	1.500.736 (9.6%)	4.694.576.167 (59.4%)	282.463.195	6%	0.5%	0.03%
Europe	7.238.335 (46.1%)	745.173.774 (9.4%)	229.032.501	31%	3.2%	0.97%
South America	460.716 (2.9%)	434.254.119 (5.5%)	69.080.151	16%	0.7%	0.11%
North America	6.035.336 (38.4%)	595.783.465 (7.5%)	123.611.192	21%	4.9%	1.01%
Oceania	301.810 (1.9%)	44.491.724 (0.6%)	15.015.568	34%	2.0%	0.68%

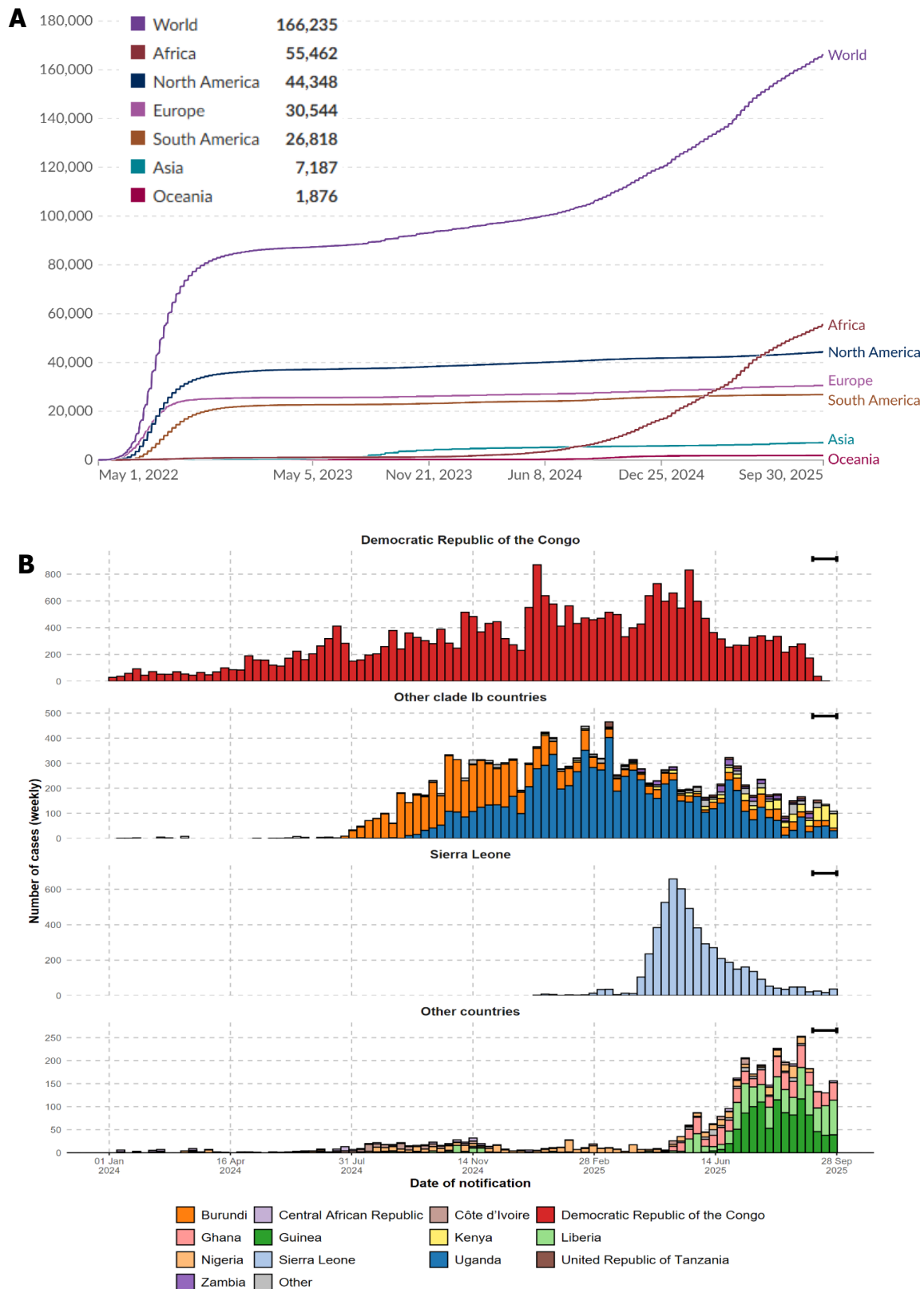


Figure S1. Emergence of mpox virus. **(A)** Global confirmed mpox virus cases from May 2022 to September 2025 in the most impacted continents (data source World Health Organization, [<https://ourworldindata.org/mpox>; Edouard Mathieu et al., 2022]). **(B)** Confirmed mpox cases in Africa. Bracket at the end of the curve indicates potential reporting delays in recent weeks of data (data source: World Health Organization, https://worldhealthorg.shinyapps.io/mpx_global/).