

Supplementary Figure Legends

Figure S1. COVID-19 test rates of ASEAN, East Asian countries, and the United Kingdom per 1 October 2021

Figure S2. COVID-19 cases and SARS-CoV-2 sequencing rate in ASEAN and East Asia region. A-B) Indonesia currently holds the highest number of positive cases, followed by the Philippines. C-D) Hong Kong has the highest sequencing rate at over 40% of its positive cases.

Figure S3. Proportion of sample sources used for sequencing; Indonesia obtained most of its sequencing samples from swab while the UK did not provide this information to GISAID.

Figure S4. Proportion of PANGO lineages pre- and during Delta outbreak in Indonesia for the world (a) and Asia (b).

Figure S5. Proportions of Indonesian-associated variants in Indonesia, ASEAN, Asia and worldwide pre-Delta outbreak (a) and during the outbreak (b).

Figure S6. Venn diagrams showing the shared and unique total mutations of Indonesian variants versus Delta lineages (a) and compared to just the spike protein mutation (b).

Figure S7. Data of genomes imported into Indonesia per 1 October 2021; most cases came from Malaysia followed by non-specific category where only travel history was mentioned but no recorded location/country.

Figure S8 Circular plot showing inter-nation transmissions of variants in the world per 1 February 2021; transmission events were the highest in Japan.

Figure S1

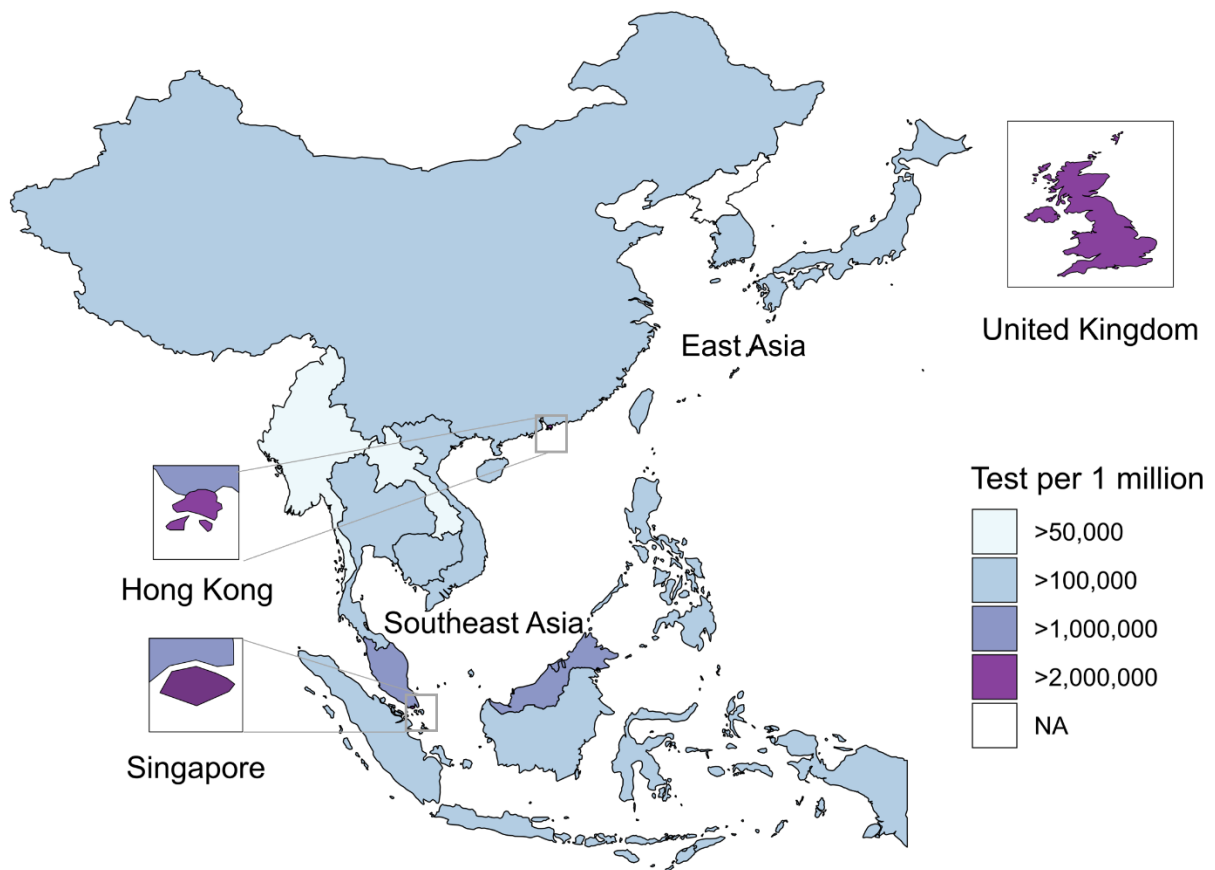
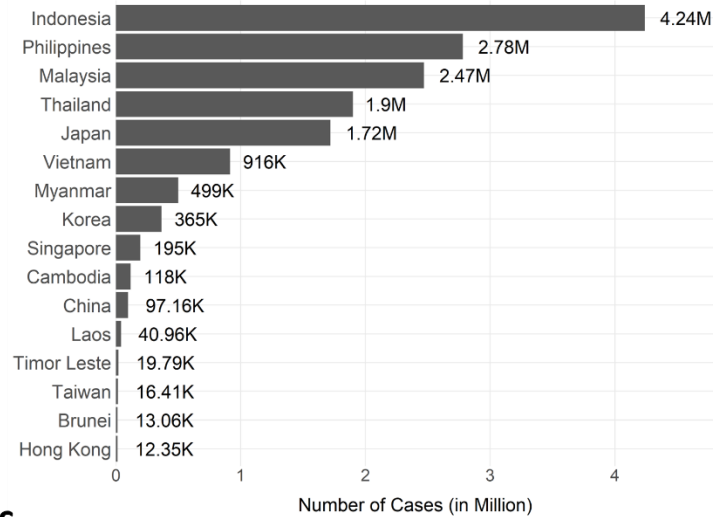
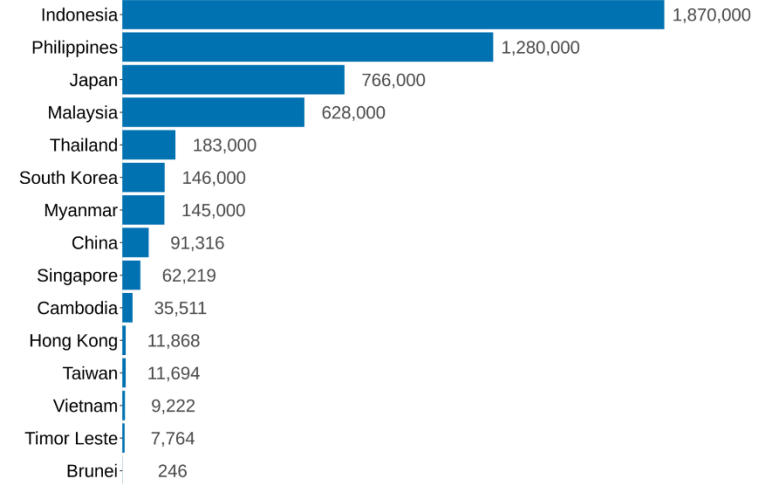


Figure S2

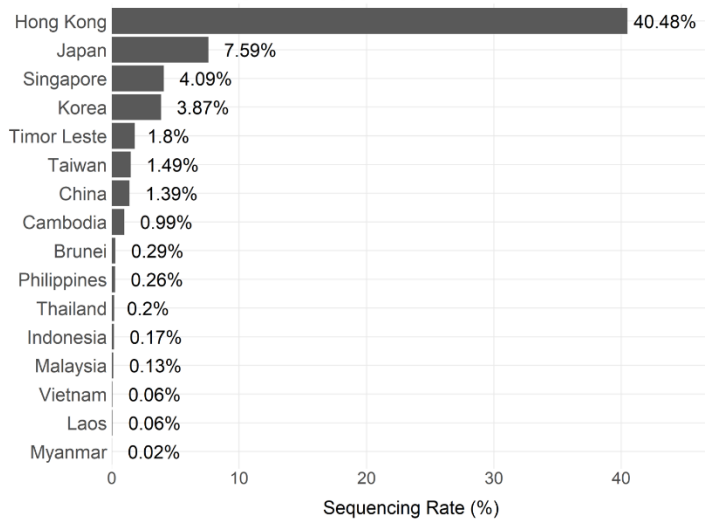
a. Number of Cases (per 30/10/2021)



b. Number of Cases per 1 June 2021



c. Sequencing Rate by Cases (per 1/10/2021)



d. Sequencing Rate per 1 June 2021

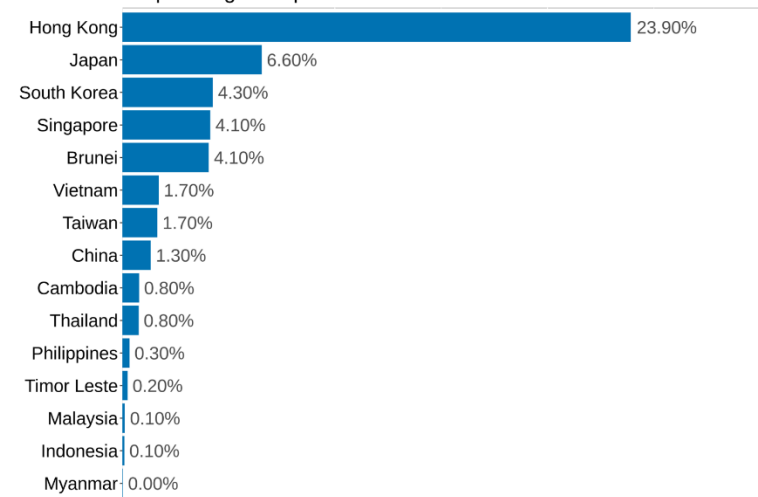


Figure S3

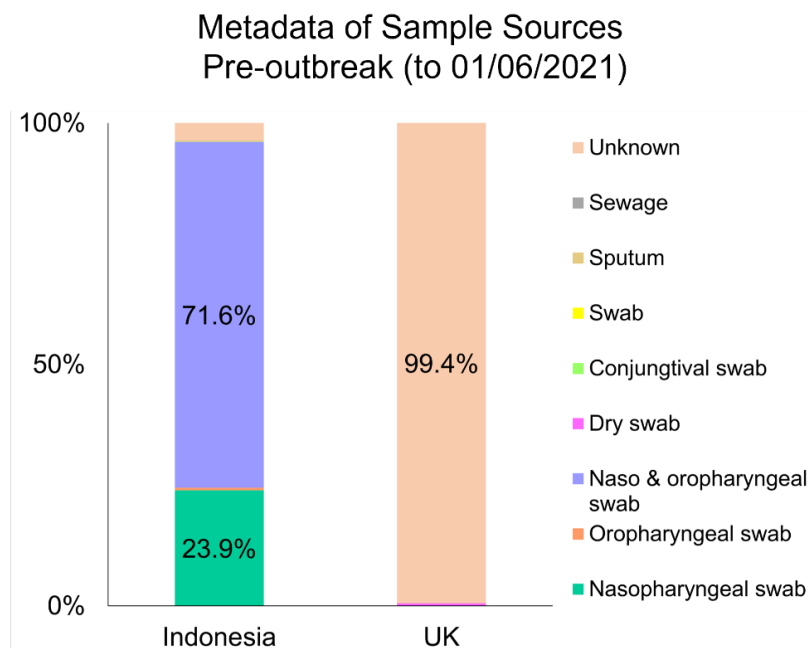


Figure S4

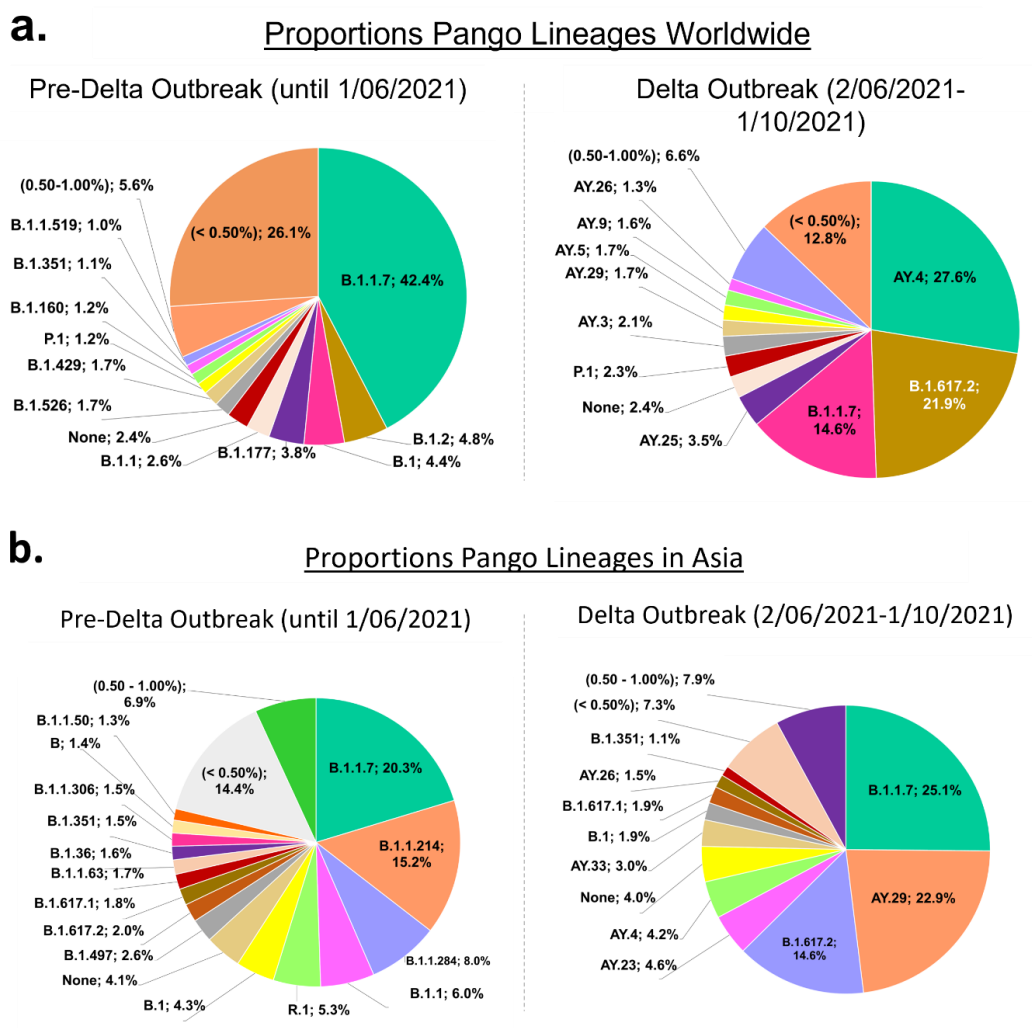
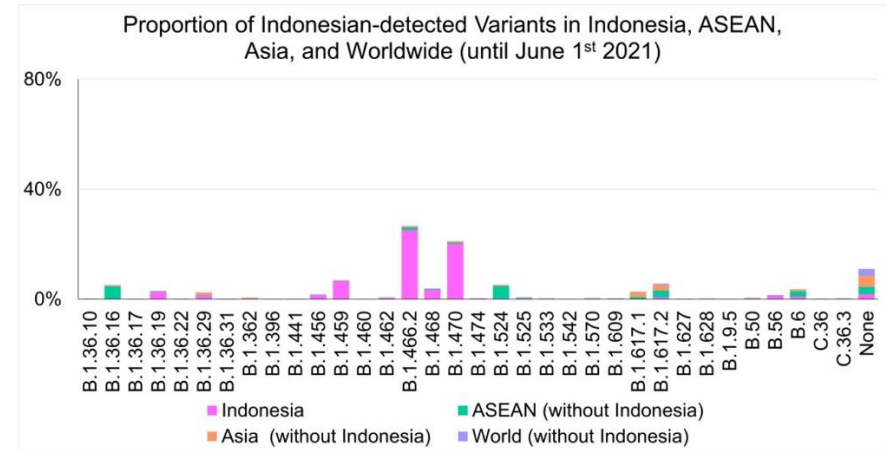
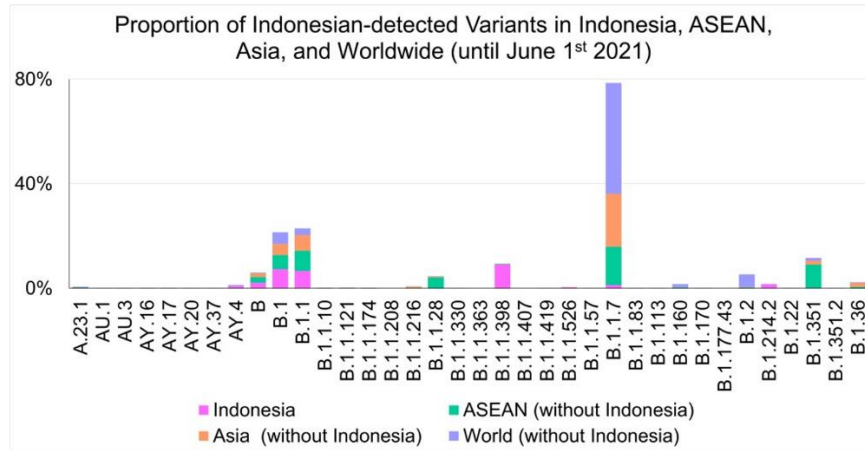


Figure S5

a.

Pre Delta Outbreak



b.

Delta Outbreak

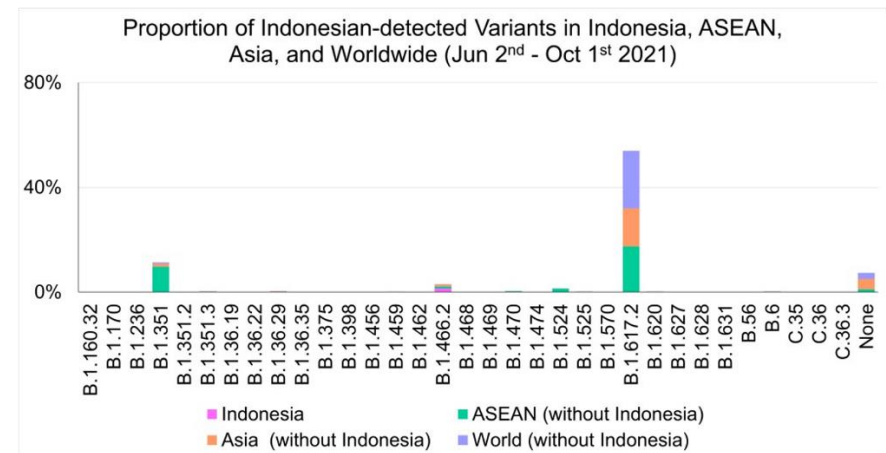
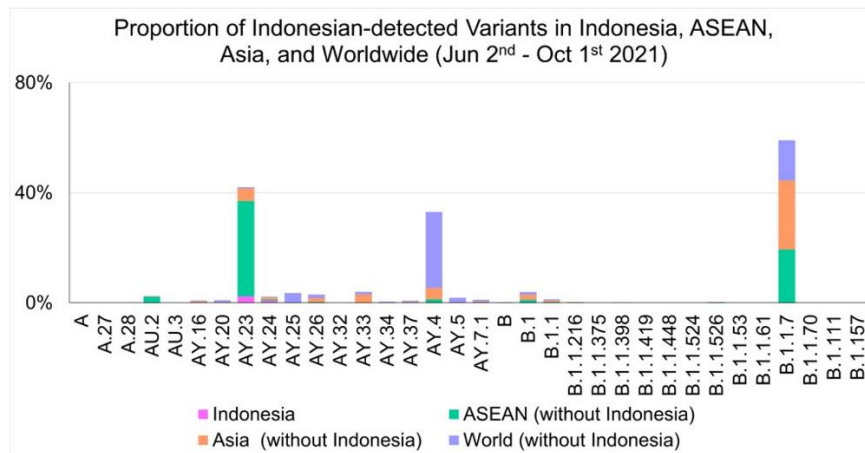
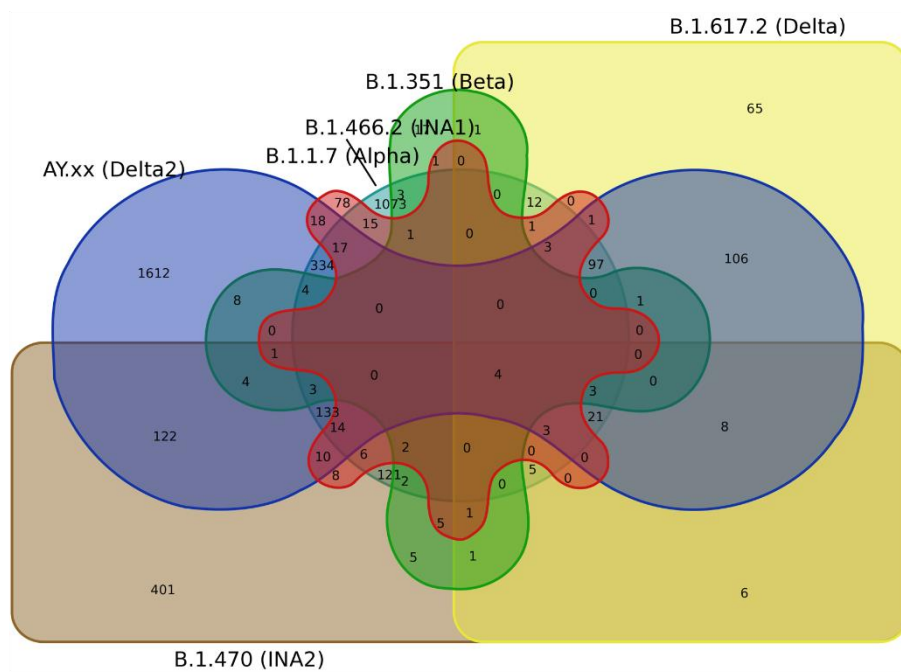


Figure S6

a.

Venn Diagram of All Amino Acid Mutation Types of VoCs and Indonesian Variants ($n = 4357$)



b.

Venn Diagram of All Spike Mutation Types of VoCs and Indonesian Variants ($n = 541$)

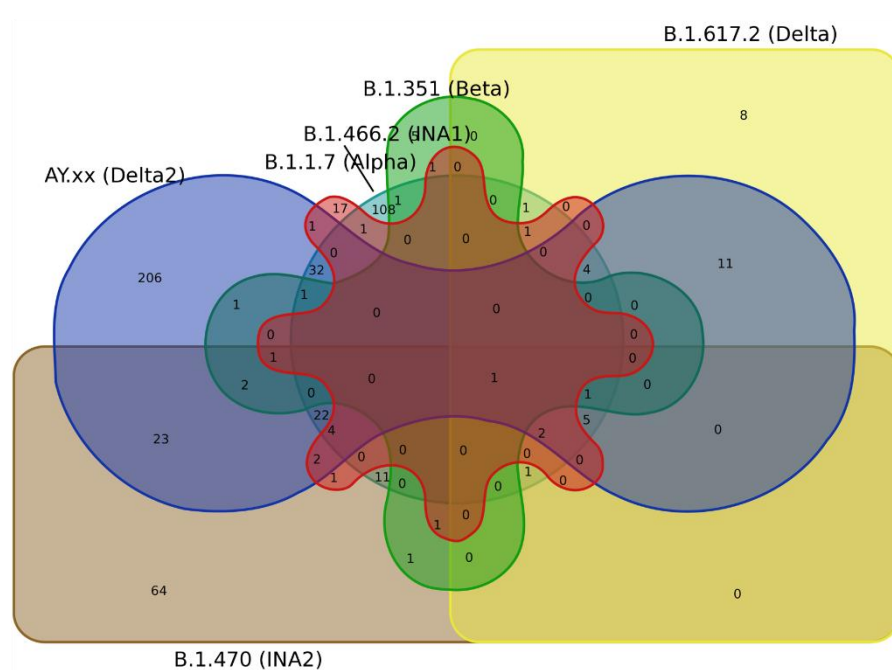


Figure S7

a

Originating country of imported genomes

| Sample ID | Collection Date | Imported Location |
|-----------------|-----------------|--------------------|
| EPI_ISL_576387 | 20/08/2020 | Saudi Arabia |
| EPI_ISL_1239222 | 31/12/2020 | Non-Specific |
| EPI_ISL_1239223 | 4/01/2021 | Non-Specific |
| EPI_ISL_1122422 | 10/01/2021 | United Kingdom |
| EPI_ISL_1239143 | 8/02/2021 | Non-Specific |
| EPI_ISL_2886178 | 13/03/2021 | Malaysia |
| EPI_ISL_2886179 | 13/03/2021 | Malaysia |
| EPI_ISL_2886170 | 13/03/2021 | Malaysia |
| EPI_ISL_2886171 | 13/03/2021 | Malaysia |
| EPI_ISL_2886174 | 13/03/2021 | Malaysia |
| EPI_ISL_2886177 | 13/03/2021 | Malaysia |
| EPI_ISL_2226647 | 21/04/2021 | Non-Specific |
| EPI_ISL_2429146 | 27/04/2021 | Non-Specific |
| EPI_ISL_2364675 | 29/04/2021 | India |
| EPI_ISL_2226648 | 5/05/2021 | Non-Specific |
| EPI_ISL_4056005 | 12/05/2021 | Malaysia |
| EPI_ISL_4056006 | 12/05/2021 | Malaysia |
| EPI_ISL_4056007 | 12/05/2021 | Malaysia |
| EPI_ISL_4056008 | 12/05/2021 | Malaysia |
| EPI_ISL_4742352 | 12/05/2021 | Netherlands |
| EPI_ISL_2692993 | 19/05/2021 | France |
| EPI_ISL_2692994 | 24/05/2021 | Bosnia-Herzegovina |

b

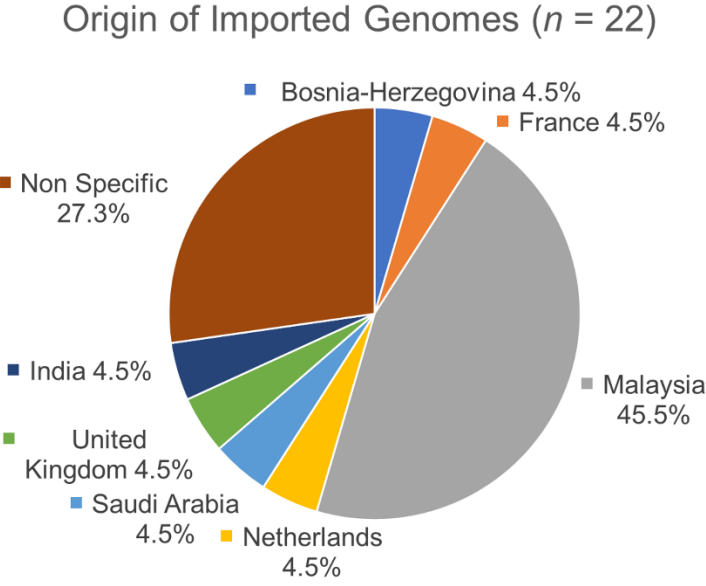


Figure S8

