

Accession ID	Sampling location	Sampling date	Travel location
EPI_ISL_1241728	Belgium	2021-03-01	Cameroon
EPI_ISL_1369646	Switzerland	2021-03-16	Cameroon
EPI_ISL_1382294	Belgium	2021-03-14	Cameroon
EPI_ISL_1406653	France	2021-02-26	Cameroon
EPI_ISL_1495980	France	2021-03-18	Cameroon
EPI_ISL_1576950	Lithuania	2021-03-26	France
EPI_ISL_1671822	France	2021-03-31	Cameroon
EPI_ISL_1673323	Equatorial Guinea	2021-02-06	Cameroon
EPI_ISL_1675656	Czech Republic	2021-03-25	Mali
EPI_ISL_2131284	Belgium	2021-05-03	Cameroon
unsampled	Lithuania	2021-02-26	Belgium/Germany/Poland

Table 1. Individual travel histories collected for the core genomic data set analysed in this study. Importantly, documented travel cases from Cameroon to several European countries were retrieved from the labs that submitted the genomes to GISAID, often with detailed travel dates. Additionally, we were able to retrieve one suspected travel case from Belgium to Lithuania traveling by land through contact tracing, but without the accompanying genome sequence.

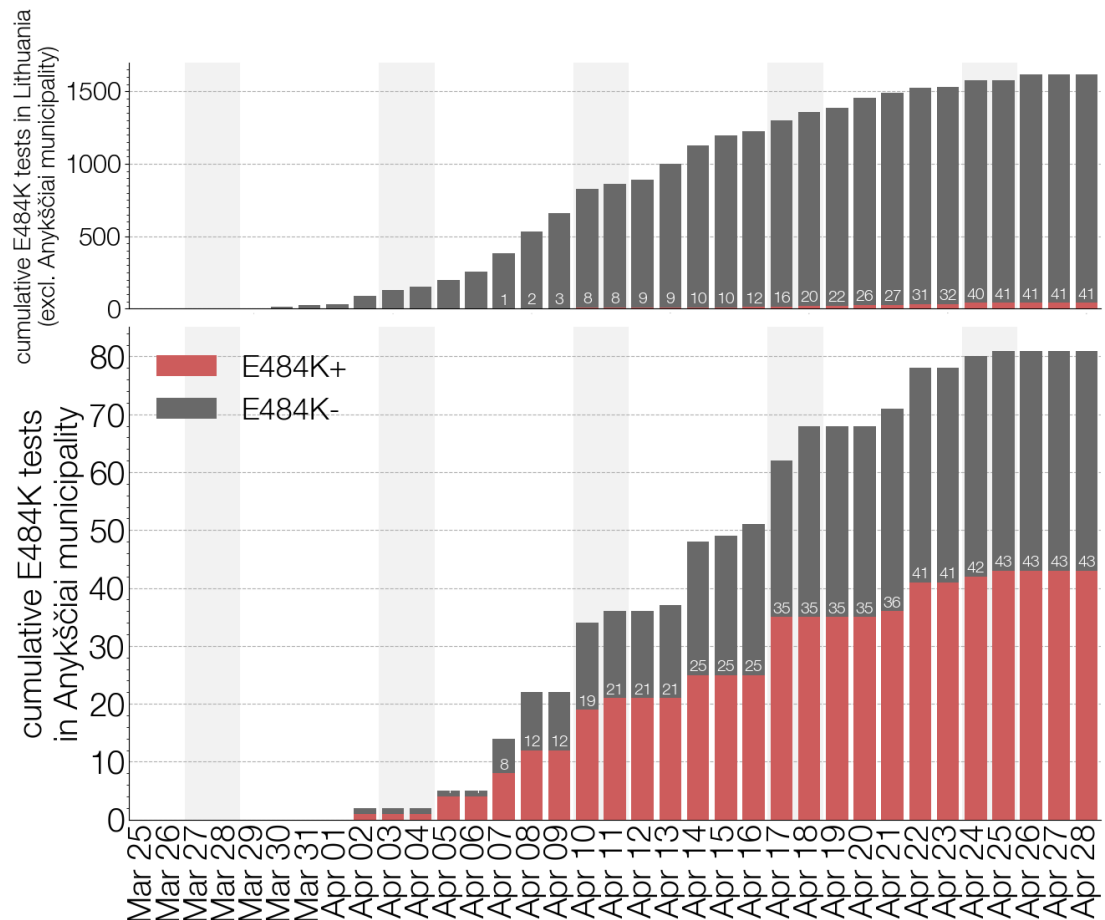


Figure S1. E484K PCR testing in Lithuania. Top panel shows the cumulative number of E484K PCR tests carried out in Lithuania (excluding Anyksčiai municipality) with E484K positive samples (E484K+) shown in red, and E484K negative samples (E484K-) shown in grey. Bottom panel shows the same information for Anyksčiai municipality.

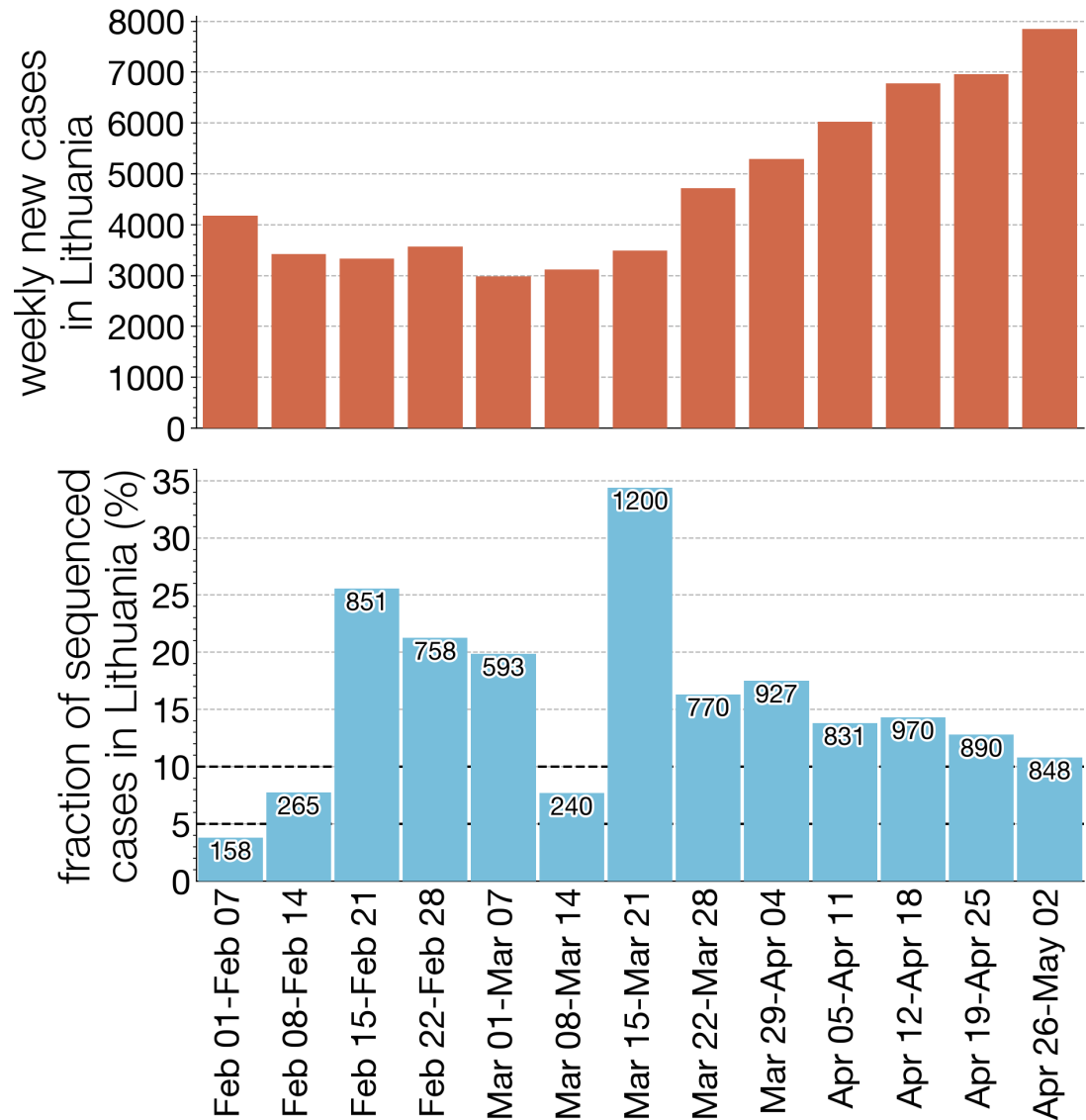


Figure S2. SARS-CoV-2 sequencing programme and epidemic context in Lithuania. Bar chart at the top in red shows weekly new cases in Lithuania, bar chart at the bottom in blue shows the percentage of cases that were sequenced with number at the tip of each bar indicating the actual number of genomes. Since its inception in February 2021, Lithuania's SARS-CoV-2 sequencing programme has largely sequenced above the European Commission recommended 5% of positive cases. The sequencing programme began at the tail end of the second wave in Lithuania before restrictions were loosened in March 2021.

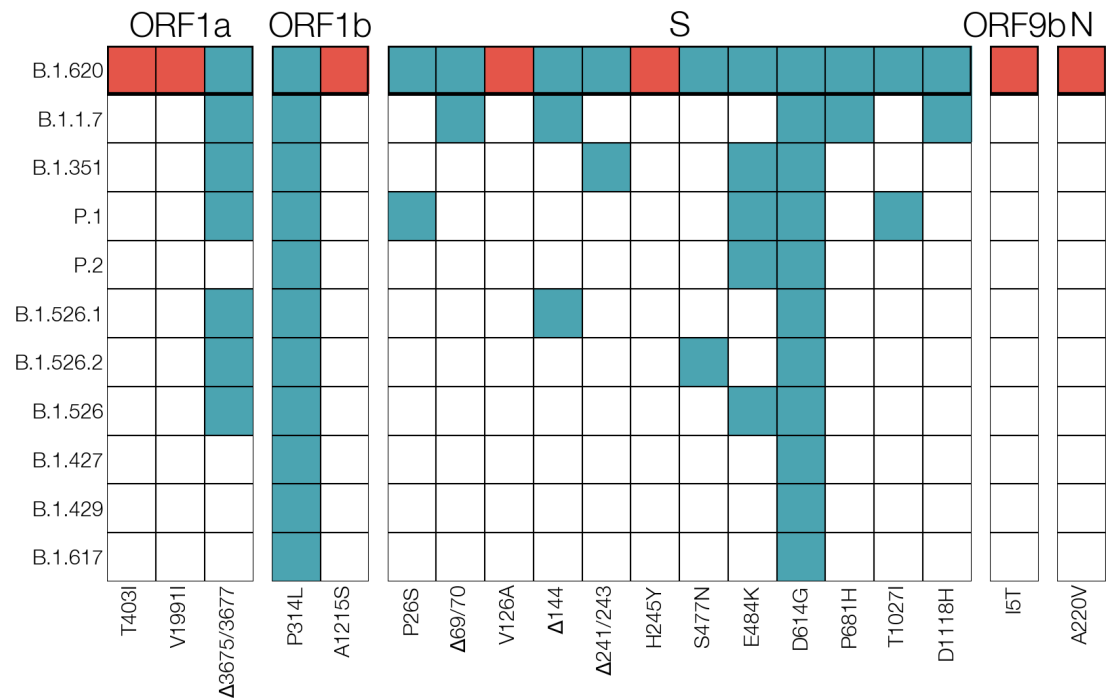


Figure S3. Comparison of amino acid mutations present in lineage B.1.620 and VOCs. Each row corresponds to lineage B.1.620 and current variants of concern (VOC) or interest (VOI). Each column is an amino acid change observed in lineage B.1.620 with cells indicating whether the mutation is unique to lineage B.1.620 in this comparison (red), shared with other VOCs/VOIs (blue) or absent (white). Of VOC amino acid changes lineage B.1.620 shares most in common with B.1.1.7 (ORF1a: SGF3675/3677Δ, S: Y144Δ, S: HV69/70Δ, S: P681H, and S: D1118H), followed by P.1 (ORF1a: SGF3675/3677Δ, S:P26S, S:E484K, S: T1027I) and B.1.351 (ORF1a: SGF3675/3677Δ, S: E484K, S: LLA241/243Δ).



Figure S4. Shared SNPs of investigated lineages. SNP alignment of multiple high-quality genomes from Cameroon, available genomes of lineage B.1.620 as well as earliest and latest genomes of lineages B.1.1.7, B.1.351, P.1, B.1.526.2, B.1.177.60, B.1.177.57, and B.1.1.280. Only polymorphic SNPs within the alignment that are shared by at least eight B.1.620 are shown and lineage B.1.620 is outlined with a dashed line. Sites identical to the reference (GenBank accession NC_045512) are shown in grey, changes from the reference are indicated and coloured by nucleotide (green for thymidine, red for adenosine, blue for cytosine, yellow for guanine, dark grey for ambiguities, black for gaps). The first 100 and the last 50 nucleotides are not included in the figure but were used to infer the phylogeny. If mutation results in an amino acid change, the column label indicates the gene, reference amino acid, amino acid site, and amino acid change in brackets. The maximum-likelihood phylogeny on the right shows the relationships between depicted genomes and was rooted on the reference sequence. Tip circles indicate each genome's country of origin in the same colour scheme as Figures 2 and 3.

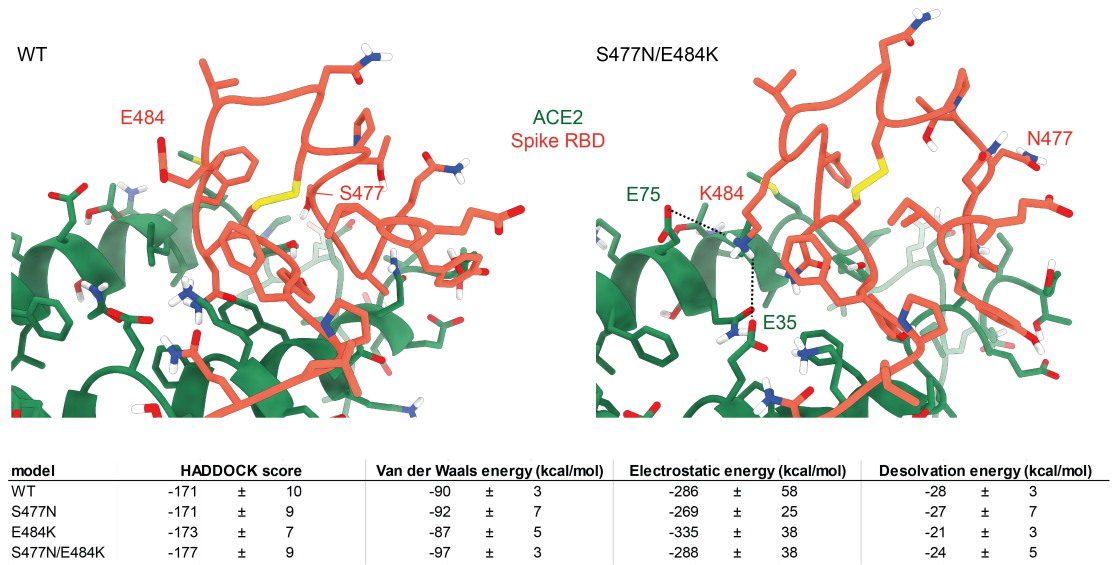


Figure S5. HADDOCK models of ACE2-RBD interaction. HADDOCK scores and energy terms are listed as average $\pm$ standard error of the cluster.

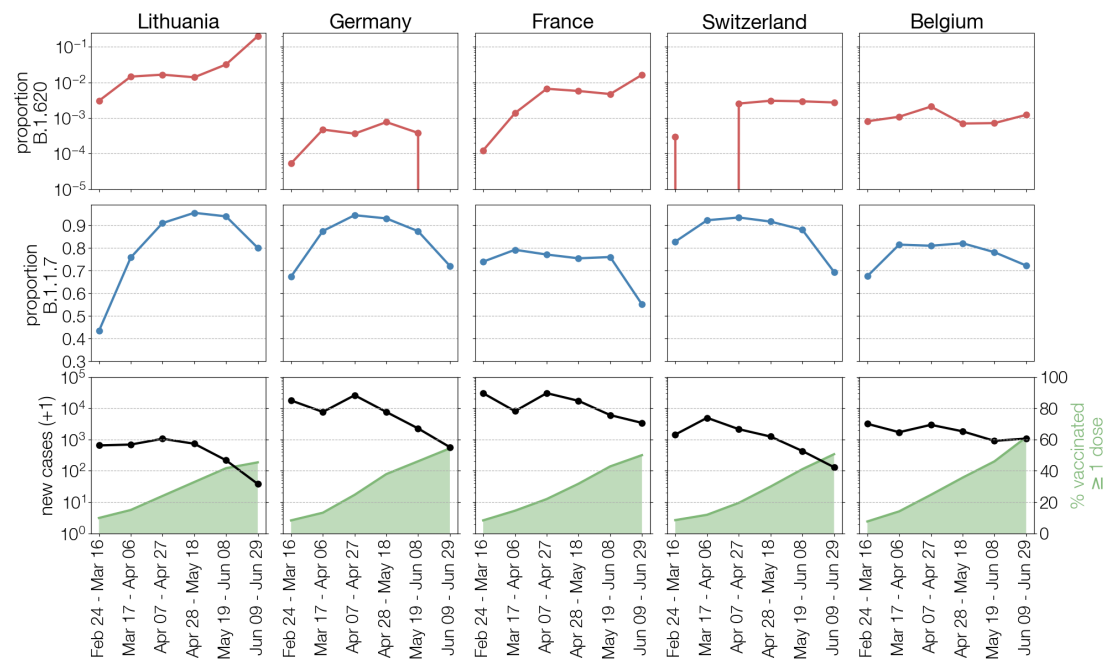


Figure S6. Relative success of B.1.620 compared to B.1.1.7 in affected European countries under increasing vaccinations. Each column corresponds to one of five countries that saw most local B.1.620 transmission. Top row indicates, in red, (log-scaled) frequency of B.1.620 in each country in three week intervals going back to February. Middle row shows, in blue, the frequency of B.1.1.7 in each country. Bottom row depicts the percentage of population who have received at least one vaccine dose in green and log-scaled number of new cases (+1) in black for each country. Despite increasing vaccination rates and decrease in new cases the frequency of B.1.620 remains roughly stable or increasing in many countries, unlike B.1.1.7 which exhibits uniform decline across all five countries.

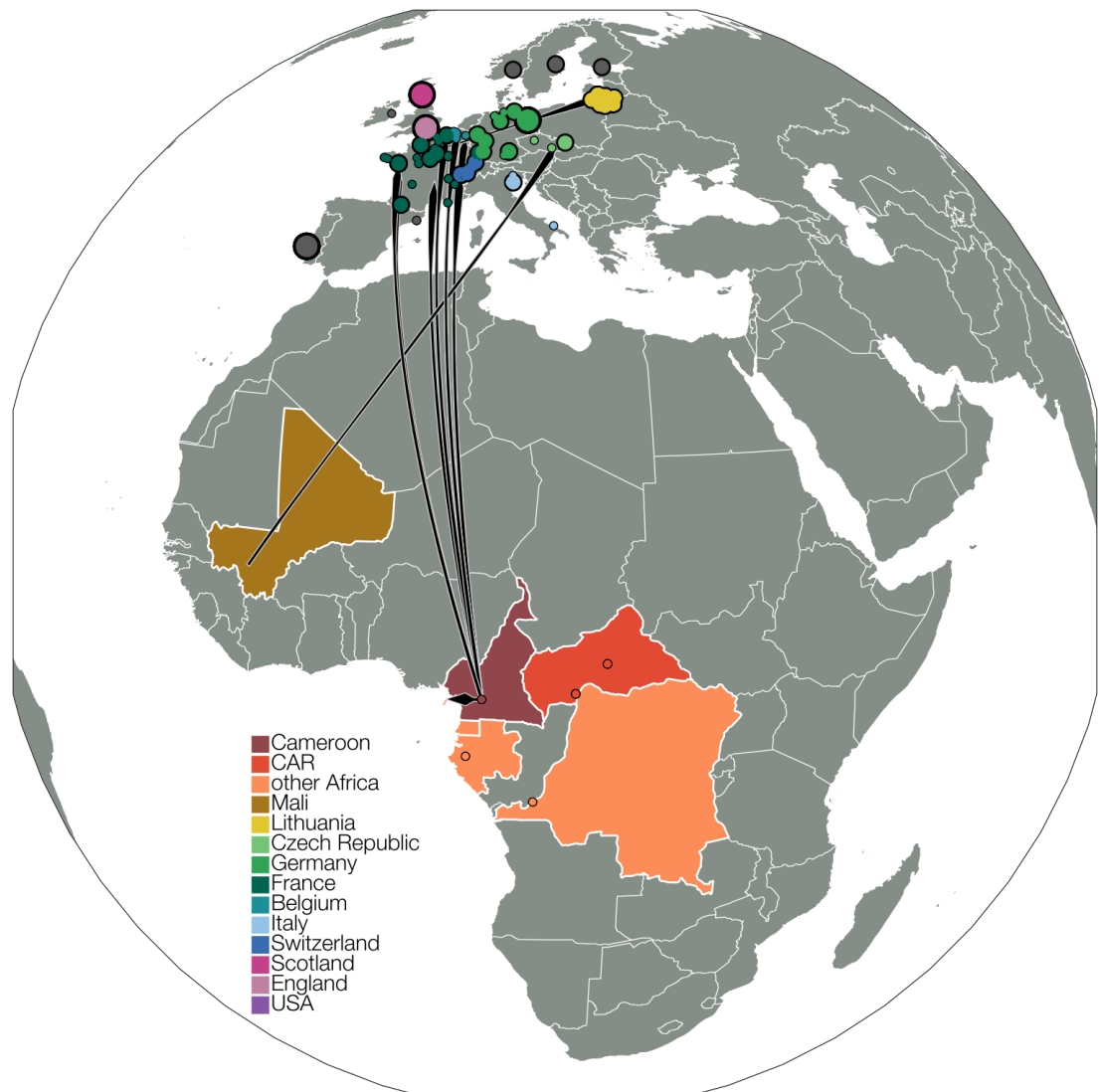


Figure S7. Travel cases and distribution of B.1.620 infections across Africa and Europe. Mali, Democratic Republic of the Congo, Cameroon, Central African Republic (CAR), Gabon and Equatorial Guinea are highlighted in Africa and known B.1.620 cases related to travel are displayed as arrows going from known country of origin to destination country. Precise locations for B.1.620 cases in Africa are often indicated as the capital of the country, marked here with circles. European cases for which no travel information is available and which may represent cases resulting from local transmission are indicated with circles sized according to available location precision, same as Figure 2. Map vector data are in the public domain courtesy of Natural Earth.

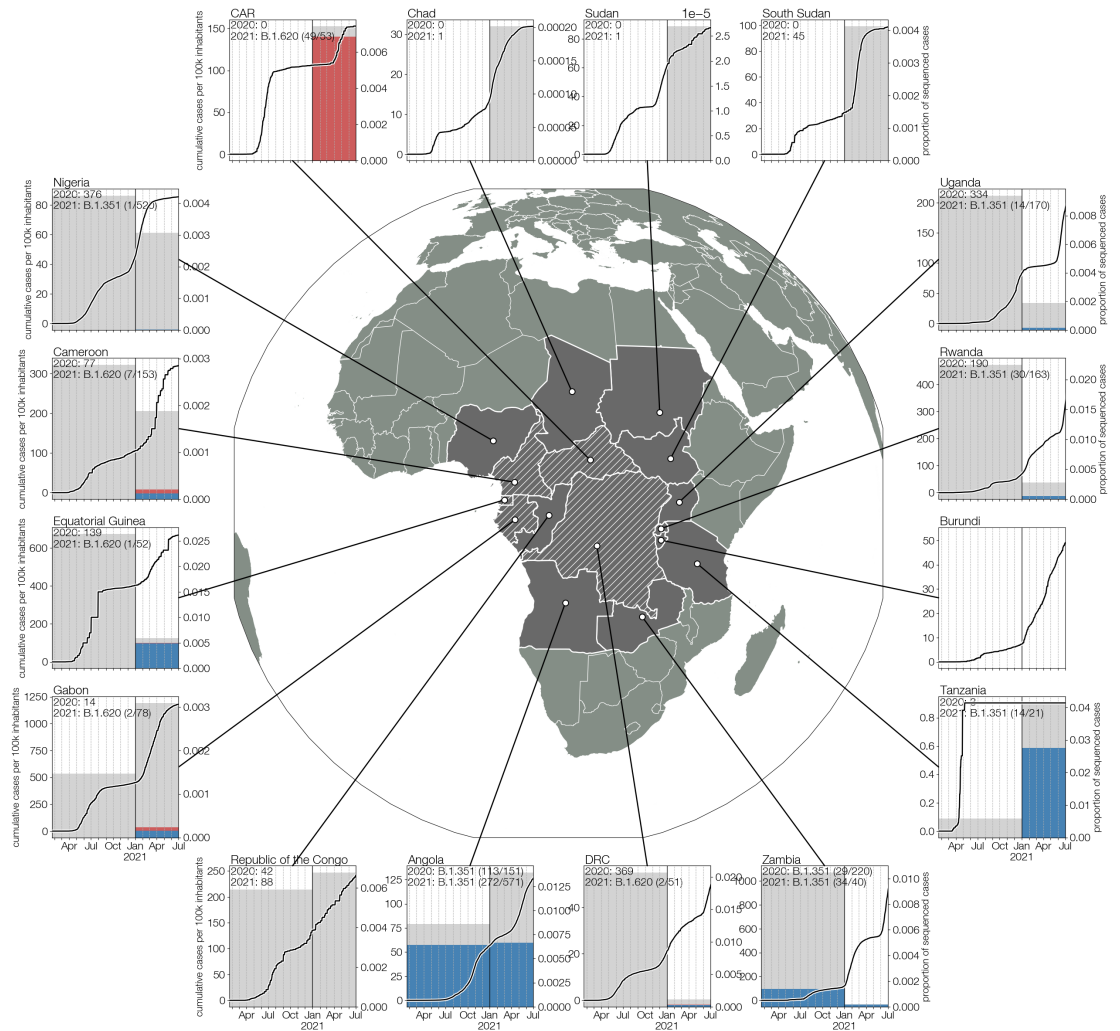


Figure S8. SARS-CoV-2 epidemics and sequencing in the central African region and its neighbours. A map of Africa highlighting the countries where B.1.620 was found to be circulating by sequencing (coloured dark purple and hatched) as well as their immediate neighbours (coloured dark purple). Lines in each subplot indicate the cumulative number of reported SARS-CoV-2 cases per capita according to JHU CSSE COVID-19 Data. In the background of each subplot the number of sequences submitted to GISAID (per reported case) for the years 2020 and 2021 are shown as coloured blocks: red for lineage B.1.620, blue for lineage B.1.351 or grey for all others. Map vector data are in the public domain courtesy of Natural Earth.

JHU CSSE COVID-19 Data available at <https://github.com/CSSEGISandData/COVID-19>

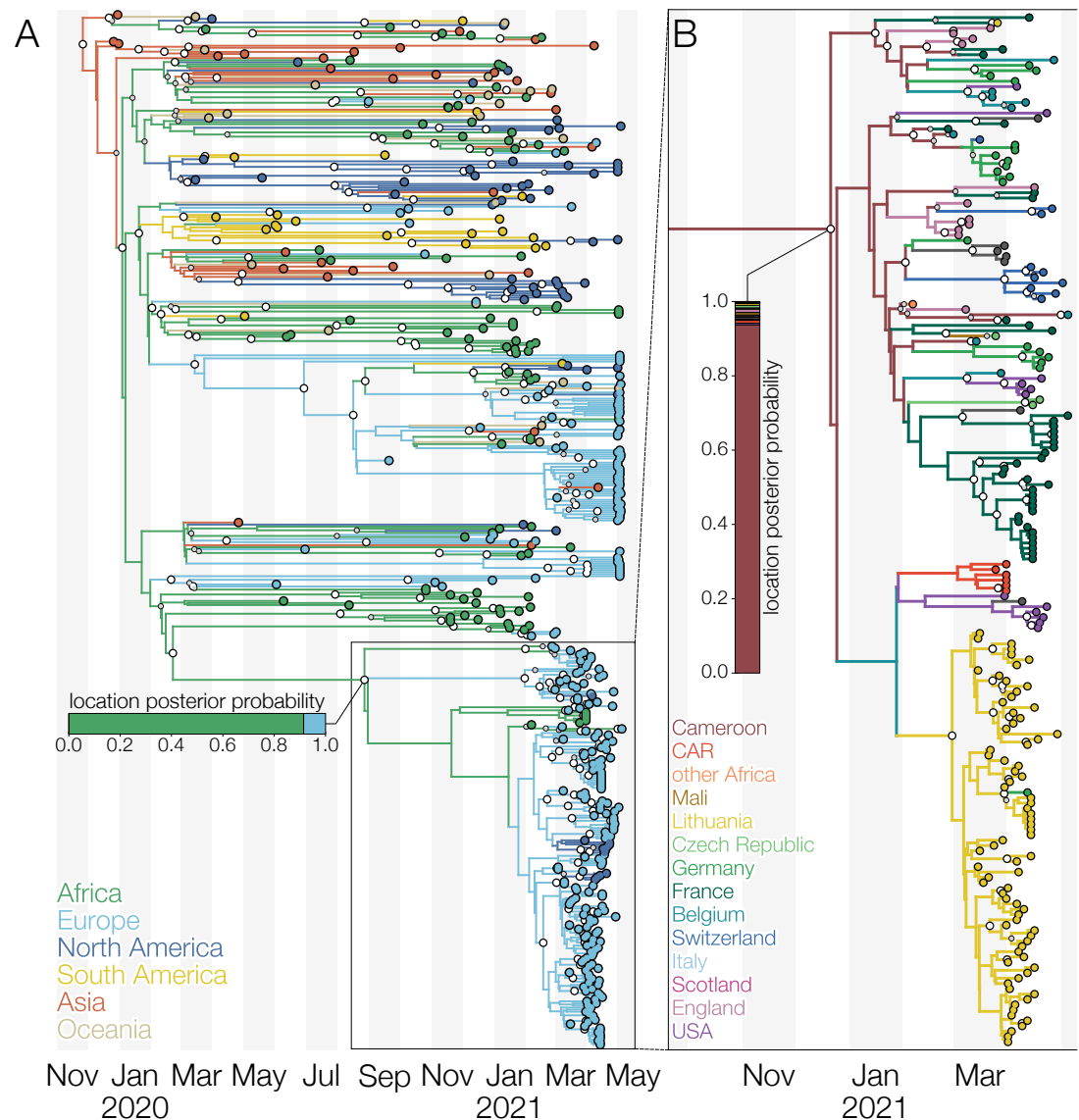


Figure S9. Maximum clade credibility trees of lineage B.1.620 using mostly genomes from Europe and their travel histories as available in April 2021. A) Using European B.1.620 genomes and their travel histories, as well as six genomes from Central African Republic (CAR), Africa is reconstructed as the most likely location (posterior probability 0.915) where B.1.620 originated. B) Using B.1.620 genomes from Europe and their travel histories, as well as six genomes from CAR, Cameroon is reconstructed as the most likely location (posterior probability 0.937) of the common ancestor of lineage B.1.620. Larger white dots at nodes indicate nodes with posterior probability of at least 95%, while smaller grey circles indicate nodes with posterior probability of at least 50%.

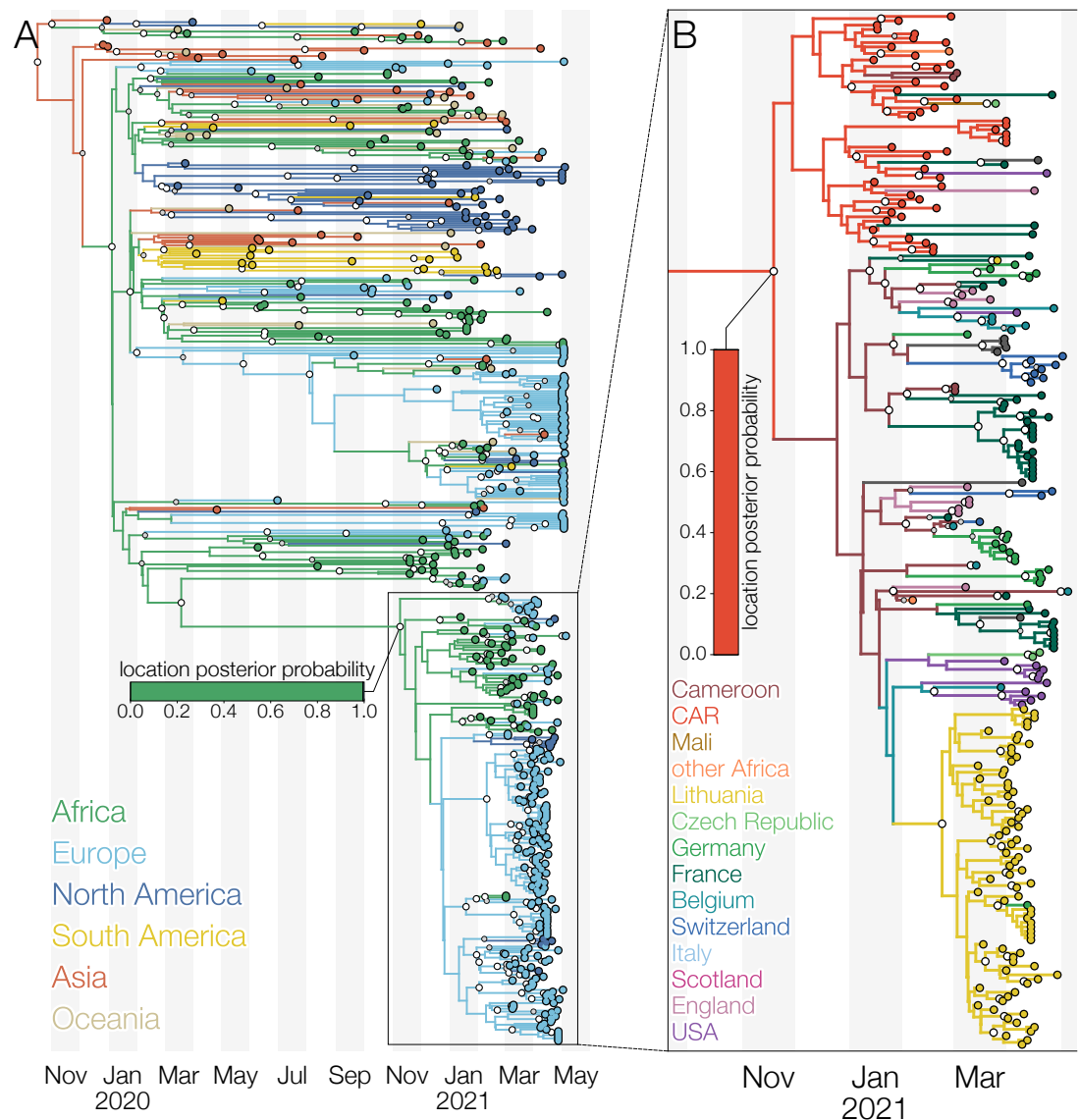


Figure S10. Maximum clade credibility trees of lineage B.1.620 coloured by reconstructed location as available in April 2021, but including a larger collection of CAR genomes. A) Global phylogeny of SARS-CoV-2 genomes with branches coloured by inferred continent from a Bayesian phylogeographic analysis that makes use of individual travel histories. Lineage B.1.620 is outlined and a horizontal bar shows posterior probability of its common ancestor existing in a given continent. Africa is reconstructed as the most likely location (posterior probability 0.995) where B.1.620 originated; B) Phylogeny of lineage B.1.620 with branches coloured by inferred country from a Bayesian phylogeographic analysis that makes use of travel histories. A vertical bar shows posterior probabilities of where the common ancestor of B.1.620 existed. In this analysis including more sequences from Central African Republic (CAR), Central African Republic is reconstructed as the most likely location (posterior probability 0.999) of the common ancestor of lineage B.1.620. Larger white dots at nodes indicate nodes with posterior probability of at least 95%, while smaller grey circles indicate nodes with posterior probability of at least 50%.

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All Submitters of data may be contacted directly via www.gisaid.org

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EPI_ISL_1590223 EPI_ISL_1278684 EPI_ISL_1968946, EPI_ISL_1968959 EPI_ISL_1993911, EPI_ISL_2102102 EPI_ISL_2492427 EPI_ISL_632284	Centrá Laboratoria; Eurofins Genomics Europe Sequencing GmbH Clalit Health Services Laboratories, Israel Clinical Microbiology, Infection Prevention and Control Clinical Virology Cliniques universitaires Saint-Luc	Riga East University Hospital-National Microbiology Reference Laboratory; Eurofins Genomics Europe Sequencing GmbH Stern Lab Section for Molecular Diagnostics Clinical Bacteriology UCLouvain/REC/MBLG	Arzu Altuglieva; Dáiana Dusacka; Dárta Pópola; Iva Pole; Jana Osler; Reinis Vangravs; Reinis Zeltmatis; Sergejs Niklins; Stella Lapina; Ģirts Špenders
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EPI_ISL_1571290, EPI_ISL_1643902, EPI_ISL_1643915, EPI_ISL_1845845, EPI_ISL_1845921, EPI_ISL_1845926, EPI_ISL_2110753, EPI_ISL_2123767, EPI_ISL_2315648, EPI_ISL_2316829	see above	Robert Koch Institute	Claire Bertelli; Damien Jacot; Gilbert Greub; Sébastien Aebys; Trestan Pilone
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EPI_ISL_1688635, EPI_ISL_1688660, EPI_ISL_1827069, EPI_ISL_1827401, EPI_ISL_2191990, EPI_ISL_2192008, EPI_ISL_2192010, EPI_ISL_2192021, EPI_ISL_2192037, EPI_ISL_2192125	Lab voor klinische biologie	Lab voor klinische biologie	Bruno Verhassel; Hannelore Hamerlinck; Marijka Jansvca
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EPI_ISL_1718408, EPI_ISL_1985921, EPI_ISL_1986041, EPI_ISL_1986064, EPI_ISL_1986113, EPI_ISL_1986114, EPI_ISL_1986168, EPI_ISL_1986203	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Cordelia Langford; David K. Jackson; Dominic Kwiatkowski; Ewan Harrison; Ian Johnston; Jacquelyn Wynn; Jeffrey Barrett; John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team; Mairead Hyland; Roberto Amato; Sonia Gonçalves; The Lighthouse Lab in Alderley Park and Alex Alderton
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EPI_ISL_1939681, EPI_ISL_1986251, EPI_ISL_1986254, EPI_ISL_1986282, EPI_ISL_1986325, EPI_ISL_1986509, EPI_ISL_2238624	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Anna Dominiczak and Alex Alderton; Carol Clugston; Cordelia Langford; David Gray; David K. Jackson; Dominic Kwiatkowski; Ewan Harrison; Harper VanSteenehouse; Ian Johnston; Jeffrey Barrett; John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team; Roberto Amato; Sonia Gonçalves; Yumi Kasa
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EPI_ISL_2265478 EPI_ISL_2115390 EPI_ISL_2265010 EPI_ISL_2265019	Medizinische Laboratorien Düsseldorf Medizinisches Labor Wahl Lüdenscheid Medizinisches Labor Wahl Lüdenscheid	Robert Koch Institute Robert Koch Institute Robert Koch Institute		
EPI_ISL_2448608, EPI_ISL_2448615	Microbiologia e Virologia	Istituto Zooprofilattico Sperimentale delle Venezie	Adelaide Milani; Alessia Schivo; Alice Fusaro; Ambra Pastorì; Annalisa Salvati; Antonia Ricci; Calogero Terregino; Edoardo Giussani; Elisa Palumbo; Erika Giorgia Quaranta; Isabella Monne; Luca Tassoni	
EPI_ISL_1583577, EPI_ISL_1583618, EPI_ISL_1761494, EPI_ISL_1761505	Microbiology Department, Laboratori Clinici Metropolitana Nord, Hospital Universitari Germans Trias i Pujol	Can Ruti SARS-CoV-2 Sequencing Hub (HUGTPIrslCaixa/GTPI)	Alba Sánchez; Anna Not; Antoni E Bordoy; Bonaventura Clotet; Cristina Casañ; Cristina Esteban; Francesc Catala-Moll; Gemma Clara; Ignacio Blanco; Marc Noguera-Julian; Maria Casadellà; Mariona Parera; Mercedes Guerrero; Montserrat Giménez; Pere-Joan Cardona; Pilar Amengol; Roger Paredes; Verónica Saludes; and Elisa Martíol on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.	
EPI_ISL_548145, EPI_ISL_1016855, EPI_ISL_1135111 EPI_ISL_718146 EPI_ISL_482959	Middlemore Hospital Ministry of Health Hospitals Minnesota Department of Health, Public Health Laboratory	Institute of Environmental Science and Research (ESR) Institute of Health and Community Medicine Minnesota Department of Health, Public Health Laboratory	Anja Werno; Antje van der Linden; Arlo Upton; Chris Mansell; David Hammer; Dragana Drinkovic; Erasmus Smit; Gary McAuliffe; Hana Sofia Andersson; Hermes Perez; James Usher; Jill Sherwood; Jing Wang; Joep de Lig; Josh Freeman; Julia Howard; Juliet Elvy; Lauren Jelly; Mary DeAlmeida; Matt Blakiston; Matt Storey; Matthew Rogers; Max Bloomfield; Michael Addide; Michelle Balm; Muhammad Faisal; Nikki Freed; Olin Silander; Olivia Strevens; Rachel Boyle; Sally Roberts; SallyAnn Harrison; Sarah Jefferies; Shamim Muttalayah; Susan Morpeth; Susan Taylor; Timothy Blackmore; Vani Sathyendran; Veronica Playle; Virginia Hope; Xiaoyun Ren Chan Chia Jui; Chua Hock Hin; David Perera; Ooi Mong How; Tonni Sia Loong Loong; Wong Jyn Shan; Wong King Aik Jacob Garfin; Matt Plumb; and Xiong Wang	
EPI_ISL_1365031, EPI_ISL_1367678, EPI_ISL_1367685 EPI_ISL_1446920	Molecular diagnostic unit for viral haemorrhagic fevers and emerging viruses, Bouaké CHU Laboratory NC State Laboratory of Public Health	Molecular diagnostic unit for viral haemorrhagic fevers and emerging viruses, Bouaké CHU Laboratory Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Adjaratou Traoré; Bamba Fatoumata Touré; Chantal Akoua-Koffi; Coulibaly Mbegan; Diané Bamourou; Essia Belarbi; Etlié Anoh; Fabian Leendertz; Grit Schubert; Kara Ouffoué; Monemo Pacome; Oby Wayoro; Safiatou Karidolu; Soundélé Mahé	
EPI_ISL_529742 EPI_ISL_1540680, EPI_ISL_1540683 EPI_ISL_1579527, EPI_ISL_1579571, EPI_ISL_1579607, EPI_ISL_1579784, EPI_ISL_1579903	NHLIS-LALCH NMVRVI NMVRVI	KRISP, KZN Research Innovation and Sequencing Platform Lithuanian University of Health Sciences Hospital, Department of Genetics and Molecular Medicine National Public Health Surveillance Laboratory	Astrita Vitkauskienė; Darius Cereskevicius; Inga Nasvytiene; Mantas Saraukas; Marius Sukys; Rasa Ugenskiene; Renaldas Jurkevicius; Rima Vainoriene; Zvilie Zemeckiene Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_1579691, EPI_ISL_1565854, EPI_ISL_1656882, EPI_ISL_1911429	NVSPL	National Public Health Surveillance Laboratory	Ana Steponkiene; Arnoldas Pautienius; Astrita Vitkauskienė; Danas Baksa; Dovydas Gecys; Ingrida Olendraitė; Jelena Razmuk; Kamile Tamusauskaitė; Laura Pareckaitė; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte; Vaiva Lesauskaitė	
EPI_ISL_1960165, EPI_ISL_1960181, EPI_ISL_1960198, EPI_ISL_1960606, EPI_ISL_1960607, EPI_ISL_1960608, EPI_ISL_1960609, EPI_ISL_1960610, EPI_ISL_1960611, EPI_ISL_1960612, EPI_ISL_1960613, EPI_ISL_1960614, EPI_ISL_1960615, EPI_ISL_1960616, EPI_ISL_2095985, EPI_ISL_2095990, EPI_ISL_2428377, EPI_ISL_2509615	see above Nacionalinė visuomenės sveikatos priežiūros laboratorija	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_2334203, EPI_ISL_2334879, EPI_ISL_2428278, EPI_ISL_2694567, EPI_ISL_2694569, EPI_ISL_2694576	Nacionalinis maisto ir veterinarijos rizikos vertinimo institutas	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_1415344 EPI_ISL_1909844, EPI_ISL_1909875	National Centre For Cell Science National Food and Veterinary Risk Assessment Institute (NMVRVI)	National Centre For Cell Science - INSACOG National Public Health Surveillance Laboratory	Ajay Pillai; Dhiraj Paul; INSACOG Consortium team; Manoj Kumar Bhar; Mitail Inamdhar; Mohak P Gajare; Shivang P. Bhanushali; Sonal Manik Chavan; Yogesh Shouche. Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_1407196	National HIV Reference Laboratory, Ministry of Health, Public Health Institute of Malawi	KRISP, KZN Research Innovation and Sequencing Platform	Auld A; Chilima B; Chiwaula M; Emmanuel SJ; Kaba M; Kampira E; Kasambara W; Kim L; Lessells R; Maids A; Mwula B; Mwangomba W; Naidoo Y; Panja L; Pillay S; Tegally H; Wadonda N; Wilkinson E; de Oliveira T	
EPI_ISL_862079	National Influenza Center, Virology Department	National Influenza Center	A Nejat; F Ajaminejad; J Yavarian; K Sadeghi; N Ghavvami and T Mokhtari Azad; NZ Shafiei Jandaghi; V Salimi	
EPI_ISL_2285857	National Influenza Centre	National Influenza Centre	: Benjamin B. Lindsey; Benjamin H. Foulkes; Dennis Laryea; Ernest Asiedu; Franklin Asiedu-Bekoe; Gordon Awarande; Ivy A. Asante; Joseph Oliver-Commy; Joyce Ngoi; Linda Boatema; Lorreta Kwashah; Mathew D. Parker; Michael Marks; Mildred Adusei-Poku;	
EPI_ISL_402125	National Institute for Communicable Disease Control and Prevention (ICDC) Chinese Center for Disease Control and Prevention (China CDC)	National Institute for Communicable Disease Control and Prevention (ICDC) Chinese Center for Disease Control and Prevention (China CDC)	Chen; Dai; F.-H.; Hu, Y.; J.-H.; J.-J.; J.-L. and Zhu; Liu, Y.; Pei; Q.-M.; She; Song; T.-Y.; Tao; Tian; Wang; Wang, W.; Wu, F.; Xu, L.; Y.-L.; Y.-M.; Y.-Y.; Y.-Z.; Yu, B.; Z.-G.; Z.-W.; Zhang; Zhao, S.; Zheng	
EPI_ISL_1404880	National Institute for Food and Veterinary Risk Assessment	Lithuanian University of Health Sciences	Arnoldas Pautienius; Dovydas Gecys; Gediminas Alzbutas; Kamile Tamusauskaitė; Lukas Zemaitis; Vaiva Lesauskaitė	
EPI_ISL_1910043, EPI_ISL_1910156, EPI_ISL_1910341, EPI_ISL_1911399	National Institute for Food and Veterinary Risk Assessment (NMVRVI)	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_469254	National Institute for Viral Disease Control and Prevention, China CDC	Institute of Viral Disease Control and Prevention, China CDC	Chun Huang; Dayan Wang; George Fu Gao; Guizhen Wu; Li Zhao; Lijuan Chen; Peihua Niu , Baoying Huang; Roujian Lu; Wenbo Xu; Wenjie Tan; Wenling Wang; Yubai Bi	
EPI_ISL_498694, EPI_ISL_591277,	National Institute for Viral Disease Control and Prevention, China CDC	National Institute for Viral Disease Control and Prevention, China CDC	Cao Chen; Dayan Wang; George F.Gao; Hong Wang; Huilai Ma; Ji Wang; Jingdong Song; Jun Han; Kai Nie; LingLing Mao; Ruqin Gao; Shiwen Wang; Weimin Zhou; WenQing Yao , Wenbo Xu; Wenbo Xu; Wenjie Tan; Xiang Zhao; Yang Song; Yanhai Wang; Yao Meng; Yanan Feng; Yong Zhang; Yong Zhang , Bo Zhang , Jianqun Zhang; Yuehao Wu; Zhonguo Wang; Zhixiao Chen	

EPI_ISL_850949, EPI_ISL_850951					
EPI_ISL_2324621	National Institute of Public Health	National Institute of Public Health		Alexander Nagy; Dusan Trnka; Helena Jirincova; Jaromira Vecerova; Timotej Suri	
EPI_ISL_1261374	National Institute of Public Health	National Reference Laboratory for Influenza and Respiratory Viruses CZE		Alexander Nagy; Dusan Trnka; Helena Jirincova; Jaromira Vecerova; Timotej Suri	
EPI_ISL_1828718, EPI_ISL_1971075, EPI_ISL_1955886	National Institute of Public Health	State Veterinary Institute Prague		A; D; H; J; Jirincova; Nagy; Suri; T; Trnka; Vecerova	
	National Laboratory for Health, Environment and Food	CISLO (Clinical Institute of Special Laboratory Diagnostics), University Children's Hospital, University Medical Center Ljubljana		Ana Grom; Barbara Jenko Blizjan; Jernej Kovač; Katarina Kozmos; Marko Pokorn; Maruša Debeljak; Robert Šket; Tadej Battelino; Tine Tesovnik	
EPI_ISL_1112166	National Laboratory for Health, Environment and Food, OMH, Nalbor	CISLO (Clinical Institute of Special Laboratory Diagnostics), University Children's Hospital, University Medical Center Ljubljana		Ana Grom; Barbara Jenko Blizjan; Jernej Kovač; Katarina Kozmos; Marko Pokorn; Maruša Debeljak; Robert Šket; Tadej Battelino; Tine Tesovnik	
EPI_ISL_1195207	National Public Health Center, COVID Laboratory	National Public Health Center, National Biosafety Laboratory		Bernadett Pályi; Dániel Déri; Judit Henczki; Norbert Solymosi; Nóra Magyar; Zoltán Kis	
EPI_ISL_845545, EPI_ISL_845546, EPI_ISL_845548, EPI_ISL_845549, EPI_ISL_845550, EPI_ISL_845551, EPI_ISL_845552, EPI_ISL_845553, EPI_ISL_845554, EPI_ISL_845557, EPI_ISL_845558, EPI_ISL_845560, EPI_ISL_845561, EPI_ISL_845562, EPI_ISL_845563, EPI_ISL_845564, EPI_ISL_845565	see above	National Public Health Laboratory, Cameroon	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University	Oluniji P.E. et al	
EPI_ISL_1715187, EPI_ISL_1715188, EPI_ISL_1715190, EPI_ISL_1715191, EPI_ISL_1715192, EPI_ISL_1715193, EPI_ISL_1715194, EPI_ISL_1715195, EPI_ISL_1715196, EPI_ISL_1715197, EPI_ISL_1715199, EPI_ISL_1715201, EPI_ISL_1715203	see above	National Public Health Laboratory, Cameroon	African Centre of Excellence for Genomics of Infectious Diseases, Redeemer's University	I.B. et al; Olawoye	
EPI_ISL_479581, EPI_ISL_981024	National Public Health Laboratory, National Centre for Infectious Diseases	National Public Health Laboratory, National Centre for Infectious Diseases		Chavatte JM; Cui L; Lin Cui; Lin RTP; Mak TM; Octavia S; Raymond Tzer Pin Lin; Tze Minn Mak; Zhenyang Zhou; Zhou Z	
EPI_ISL_2095980, EPI_ISL_2095981, EPI_ISL_2095982, EPI_ISL_2095983, EPI_ISL_2095984, EPI_ISL_2095986, EPI_ISL_2095987, EPI_ISL_2095988, EPI_ISL_2095989	see above	National Public Health Surveillance Laboratory	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razumk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrieliute; Svajune Muralyte	
EPI_ISL_1273393	National Reference Laboratory - Ministry of Health Maseru Lesotho	National Institute for Communicable Diseases of the National Health Laboratory Service		Amoako DG; Banda R; Bhiman JN; Gorova V; Ismail A; Mahlangu B; Mathabo M; Mohale T; Mooko M; Ntuli N; Scheepers C	
EPI_ISL_1785368, EPI_ISL_444999	National Virus Reference Laboratory	National Virus Reference Laboratory		Calum Walsh; Charlene Bennet; Cillian F De Gascun; Fiona Crispie; Gabriel Gonzalez; Jonathan Dean; Matthew McCabe; Michael Carr; Paul Cotter; Zoe Yandle	
	Naval Health Research Center	Naval Medical Research Center Biological Defense Research Directorate		Adrian Paskey; Chris Myers; Dessiree Pena-Gomez; Ewell Hollis; Kimberly Bishop-Lilly; Kyle Long; Logan Voegty; Melinda Balansay-Ames; Nathaniel Christy; Regina Cer; Roger Pan	
EPI_ISL_1061033	New South Wales Health Pathology Royal Prince Alfred Hospital	Microbiology RPAH		Au, J.; Bull, R.; Deveson, I.; Foster, C.; Rawlinson, W.; Ruiz Silva, M.; Van Hal, S.	
EPI_ISL_872606	Nigeria Centre for Disease Control (NCDC)	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University		Oluniji P.E. et al	
EPI_ISL_527877	Nigeria Centre for Disease Control (NCDC)	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University, Ede, Osun State, Nigeria		Oluniji P.E. et al	
EPI_ISL_579406	North Shore Hospital	Institute of Environmental Science and Research (ESR)		Anja Werno; Antje van der Linden; Arlo Upton; Chris Mansell; David Hammer; Dragana Drinkovic; Erasmus Smit; Gary McAuliffe; Hana Sofia Andersson; Hermes Perez; James Usher; Jill Sherwood; Jing Wang; Joep de Lig; Josh Freeman; Julia Howard; Juliet Elvy; Lauren Jelly; Mary DeAlmeida; Matt Blackston; Matt Storey; Matthew Rogers; Max Bloomfield; Michael Addicks; Michelle Balm; Muhammad Faisal; Nikki Freed; Olin Slander; Sally Roberts; Sarah Jefferies; Shamini Muttaiyah; Susan Morpeth; Susan Taylor; Timothy Blackmore; Vani Sathiyendran; Veronica Playle; Virginia Hope; Xiaoyun Ren	
EPI_ISL_1302680	Nucleic Acid Testing, National Reference Laboratory	GIGA Medical Genomics		Bouchra Boujemla; Esperence Umumarungu; Jacob Sougguip; Keith Durkin; Léon Mutesa; Maria Artesi; Marie-Pierre Hayette; Nathalie Renotte; Patrick Tuysenge; Robert Rutayisire; Sabin Nanzimana; Swaibu Gatara; Sébastien Bontems; Vincent Bours; Yvan Butera	
EPI_ISL_1117426	Núcleo de Pesquisa em Inovacao Terapeutica - UFPE	LABBE, Federal University of Pernambuco		Bruno Sampaio; Heidi Lacerda Alves da Cruz; Maira Galdino da Rocha Pitta; Marco Katzenberger; Marcos da Silveira Regueira Neto; Michelly Cristiny Pereira; Reginaldo Goncalves de Lima Neto; Valdir de Queiroz Balbino; Wilson Jose da Silva Junior	
EPI_ISL_1516300	OK Public Health Laboratory, Oklahoma State DOH	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery		Alison Laufer Halpin; Ben L Rambo-Martin; Clinton R. Paden; Dakota Howard; Darlene Wagner; Dave Wentworth; Dhvani Batra; Jasmine Padilla; Justin Lee; Katie Dillon; Krista Queen; Kristen Knipe; Kristine Lacey; Mark Burroughs; Matthew Schmerer; Mili Sheeth; Peter Cook; Sam Shepard; Sarah Nobles; Shoshona Le; Suxiang Tong; Vivien Dugan; Yvette Unoarumhi	
EPI_ISL_2545564	OKMI FN Bmo	CEITEC MU		Bystry V.; Deissova T.; Dolejska M.; Machackova T.; Parly F.; Zdravizova Dubska L.	
EPI_ISL_1620228	OLVZ Aalst	OLVZ Aalst		Astrid Helderbeke	
EPI_ISL_1366745	OUCRU	OUCRU		Guy Thwaites; Huynh Trung Triet; Lam Minh Yen; Le Manh Hung; Le Nguyen Truc Nhi; Le Thi Thu Huong; Le Van Tan; Nghiem My Ngoc; Ngo Ngoc Quang Minh; Nguyen Thanh Dung; Nguyen Thanh Phong; Nguyen Thanh Truong; Nguyen Thi Thu Hong; Nguyen To Anh; Nguyen Tri Dung; Nguyen Van Vinh Chau; Tran Nguyen Hoang Tu; Tran Tan Thuan	
EPI_ISL_492020	Oman-NIC	Department of Microbiology and Immunology-SQUH		Abdulla Balkhair; Ahlam Al-Amri; Aisha Al-Amri; Aisha Al-Busaidi; Amina Al Jandani; Fahad Zadjaji; Fatma BaAlawi; Hamida Al Barwani; Hanan Al-kind; Intisar Al-Shukri; Khulood Al-Mammary; Mohammed Al-Tobi; Samiha Al Kharusi; Samira Al-Marqui; Zeyana Al-Dahmani	
EPI_ISL_1979313, EPI_ISL_1979568, EPI_ISL_1979626, EPI_ISL_1979648	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre		Alec Birchley; Alexander Adams; Amy Gaskin; Angela Marchbank; Bree Gatica-Wilcox; Catherine Moore; Jason Coombes; Joanne Watkins; Joel Southgate; Johnathan Evans; Laura Gifford; Lauren Gilbert; Lee Graham; Malorie Perry; Matthew Bull; Nicole Pacchiarini; Sally Corden; Sara Kumtuzien-Summerhayes; Sara Rey; Sarah Taylor; Simon Cottrell; Sophie Jones; Tom Connor	
EPI_ISL_1490266	Ostfold Hospital Trust - Kaines, Centre for Laboratory Medicine, Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology		Atiya R Ali; Debech Nahi; Engebretsen Serina Beate; Garcia Llorente Ignacio; Hilde Elshaug; Hilde Volla; Jon Bråte; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Marie Paulsen Madsen; Olav Hungnes; Pedersen Benedikte Nevjen; Rasmus Riis Kopperud	
EPI_ISL_1543465, EPI_ISL_1543808	Pandemic Response Lab - NYC	Pandemic Response Lab, R&D		Cybill del Castillo; Dylan Law; Haiping Hao; Henry Lee; Jon Laurent; Katharine Nelson; Melissa Hopkins; Michael Hammerling; Pradeep Bugga; Shinyoung Clair Kang; Sol Rey; William Ward	
EPI_ISL_810801, EPI_ISL_810804	PathWest Laboratory Medicine WA	PathWest Laboratory Medicine WA Microbial Surveillance Unit		PathWest Laboratory Medicine WA Microbial Surveillance Unit	
EPI_ISL_112081	Port Elizabeth Provincial Hospital, National Health Laboratory Services, Eastern Cape, South Africa	National Institute for Communicable Diseases of the National Health Laboratory Service		Allam M; Bhiman JN; Ismail A; Mahlangu B; Mohale T; Ntuli N	
EPI_ISL_2171204, EPI_ISL_2188629	Prime Care Alpha Covid-19 Testing Laboratory	Philippine Genome Center		Alethea R. de Guzman; Anna Ong-Lim; Arianne A. Zamora; Asla Louisa U. Chong; Benedict A. Maralit; Candice Franchessa B. Tambaoan; Carlo M. Lapid; Cecilia Carlos; Devon Ray Pacial; Edsel Maurice Salvaña; El King D. Morado; Elcid Aaron R. Panglinan; Eva Maria Cufrengo-de-la Paz; Francis A. Tadillo; Irish Colleen A. Asin; Jaime C. Morlaya; Jan Michael C. Yap; Jo-Hannah S. Llores; John Q. Wong; Joshua Gregor A. Dion; Juan Antonio R. Magalang; Karol Sophia Agapir R. Padilla; Kenneth M. Kim; Kris P. Punayayan; Marc Edcel C. Ayes; Marc Jerone R. Castro; Maria Rosario Singh-Vergere and Cynthia P. Saloma; Maria Sofia L. Yangzon; Marissa Alejandria; Razel Nikka M. Hao; Renato Jacinto Q. Mantaring; Rianna Patricia S. Cruz; Sheila Mae M. Aralza	
EPI_ISL_849747	Public Health Virology Laboratory, Forensic and Scientific Services (PHV-FSS)	Public Health Virology Laboratory, Forensic and Scientific Services (PHV-FSS)		Son Nguyen et al	
EPI_ISL_1300526	Public Health Virology-Forensic and Scientific Services (PHV-FSS)	Public Health Virology-Forensic and Scientific Services (PHV-FSS)		Son Nguyen	
EPI_ISL_950607	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium		Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debebe; Jonathan Ball; Joseph Chappell; Manjinder Khakh; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsoleridis; Vicki M Fleming; Victoria Wright; Wendy Smith	
EPI_ISL_530250	Queensland Health Forensic and Scientific Services, Public Health Virology	Public Health Virology Laboratory, Forensic and Scientific Services, Queensland Health		Son Nguyen et al	
EPI_ISL_1424529, EPI_ISL_1424599	Queensland Medical Laboratories	Victorian Infectious Diseases Reference Laboratory (VIDRL) and the Melbourne Diagnostic Unit Public Health Laboratory (MDU-PHL)		N.L.; Palou, T.; Seemann, T.; Sherry; Vaccher, S.	
EPI_ISL_572163	Quest Diagnostics	Quest Diagnostics		Anderson, B.; D.F.; Gerasimova, A.; Grover, D.; Hua, M.; K.E.; Kagan; Lacabawan, F.; Liu Y.; Livingston; Owen, R.; R.M.; Rosenthal; S.H.; Shalhout	
EPI_ISL_1253511, EPI_ISL_1314567	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery		A. Gerasimova; A. Perez; B. Anderson; Ben L. Rambo-Martin; Clinton R. Paden; Dakota Howard; Dhvani Batra; Duncan MacCannell; F. Lacabawan; I. A. Shiyakhter; K.E. Livingston; L.E. Bernstein; M. Hua; P. Tanpaiboon; Peter W. Cook; R. M. Kagan; R. Owen; R. V. Rolando; S. H. Rosenthal; Suxiang Tong; Y. Liu	
EPI_ISL_1986751	Randox Laboratories	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium		Cordelia Langford; David K. Jackson; Dominic Kwiatkowski; Ewan Harrison; Ian Johnston; Jeffrey Barrett; John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team; Randox Laboratories and Alex Alderton; Roberto Amato; Sonia Goncalves	
EPI_ISL_2095895	RezuLT	National Public Health Surveillance Laboratory		Ana Steponkiene; Danas Baksa; Jelena Razumk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrieliute; Svajune Muralyte	
EPI_ISL_179409	Royal Darwin Hospital Pathology	MDU-PHL		Caly L.; Druce J.; M.L.; Meumann, E.; N.L.; Salt; Seemann T.; Sherry	
EPI_ISL_2289616	SELAAL MIRIALIS	CNR Virus des Infections Respiratoires - France SUD		Antonin Bal; Bruno Lina; Gregory Destras; Gwendolyne Burfin; Hadrien Regue; Laurence Josset; Martine Valette; Quentin Semanas	
EPI_ISL_1623167	SELAAL MIRIALIS CLUSES	CNR Virus des Infections Respiratoires - France SUD		Antonin Bal; Bruno Lina; Gregory Destras; Gwendolyne Burfin; Hadrien Regue; Laurence Josset; Martine Valette; Quentin Semanas	

EPI_ISL_2612806	University of Liège COVID-19 testing center	GIGA Medical Genomics	Bouchra Boujemla; Cécile Meex; Fabrice Bureau; Keith Durkin; Laurent Gillet; Maria Artesi; Marie-Pierre Hayette; Nathalie Renotte; Sébastien Bortems; Vincent Bours; Wouter Coppieters	
EPI_ISL_590728	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano	
EPI_ISL_977352	University of Zambia, School of Veterinary Medicine	UNZAVET and PATH	Daniel Bridges; Mulenga Mwenda-Chimfembwe; Ngonda Saasa	
EPI_ISL_708815	Urban Institute for Disease Prevention and Control	National Institute of Health, Department of Medical Sciences, Ministry of Public Health, Thailand	Malinee Chittaganpich; Pakorn Piromtong; Plailuk Okada; Siripaporn Phuygun; Sittiporn Parmmen; Sunthareeya Waicharoen; Thanutsapa Thanadachakul; Warawan Wongboot	
EPI_ISL_1960617	Viesoji Istaiga Klaipedos universitetine Igonine	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_2428461, EPI_ISL_2428474, EPI_ISL_2428485, EPI_ISL_2644812, EPI_ISL_2644813, EPI_ISL_2644819	Viesoji Istaiga Respublikine Siauliu Igonine	Institute of Biotechnology, Life Sciences Center, Vilnius University	Albertas Timinskas; Alma Gedvilaite; Danguole Ziogiene; Emilija Vasilunaite; Milda Norkiene	
EPI_ISL_2615051, EPI_ISL_2694039, EPI_ISL_2694040, EPI_ISL_2694071, EPI_ISL_2694533, EPI_ISL_2694573	Viesoji Istaiga Respublikine Siauliu Igonine	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_2625886, EPI_ISL_2625894	Viesoji Istaiga Vilniaus universiteto Igonine Santaros klinikos	Institute of Biotechnology, Life Sciences Center, Vilnius University	Emilija Vasilunaite, Milda Norkiene, Danguole Ziogiene, Albertas Timinskas, Alma Gedvilaite	
EPI_ISL_2428226, EPI_ISL_2428316, EPI_ISL_2428383, EPI_ISL_2615175	Viesoji Istaiga Vilniaus universiteto Igonine Santaros klinikos	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_2510701	Viesoji Istaiga Vilniaus universiteto Igonine Santaros klinikos	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Daniel Naumovas; Dovile Ezerskyte; Gytis Dudas; Ingrida Olendraite; Ligita Raugaite; Monika Katenaite; Rimvydas Norvilas	
EPI_ISL_2226596, EPI_ISL_2226603, EPI_ISL_2226604, EPI_ISL_2226632	Vilniaus universitetas	Institute of Biotechnology, Life Sciences Center, Vilnius University	Albertas Timinskas; Alma Gedvilaite; Danguole Ziogiene; Emilija Vasilunaite; Milda Norkiene	
EPI_ISL_2095896, EPI_ISL_2095897, EPI_ISL_2334977	Vilniaus universitetas	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte	
EPI_ISL_1585832, EPI_ISL_1585833, EPI_ISL_1661662, EPI_ISL_1661747, EPI_ISL_1823196, EPI_ISL_1823200	Vilnius University Hospital Santaros Klinikos	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Daniel Naumovas; Dovile Ezerskyte; Gytis Dudas; Ingrida Olendraite; Laimonas Griskevicius; Ligita Raugaite; Mindaugas Stoskus; Monika Katenaite; Rimvydas Norvilas	
EPI_ISL_1661639, EPI_ISL_1661694, EPI_ISL_1661705, EPI_ISL_1661716, EPI_ISL_1661727, EPI_ISL_1661738	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Daniel Naumovas; Dovile Ezerskyte; Gytis Dudas; Ingrida Olendraite; Laimonas Griskevicius; Ligita Raugaite; Mindaugas Stoskus; Monika Katenaite; Rimvydas Norvilas	
EPI_ISL_802863	Vilnius University Hospital Santaros Klinikos, Vilnius University	Institute of Biotechnology, Life Sciences Center, Vilnius University	Albertas Timinskas; Alma Gedvilaite; Aurelija Zvirbliene; Daniel Naumovas; Emilija Vasilunaite; Laimonas Griskevicius; Milda Norkiene	
EPI_ISL_1908649, EPI_ISL_2339513	Vilnius University, Life Sciences Center	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Daniel Naumovas; Dovile Ezerskyte; Gytis Dudas; Ingrida Olendraite; Laimonas Griskevicius; Ligita Raugaite; Mindaugas Stoskus; Monika Katenaite; Rimvydas Norvilas	
EPI_ISL_1914218, EPI_ISL_1914219	Viollier AG	Department of Biosystems Science and Engineering, ETH Zurich	Andrea Patrignani; Andrea Cabral de Gouvea; Catharine Aquino; Chaoran Chen; Christiane Beckmann; Christoph Noppen; David Dreifuss; Deborah Penet; Doris Popovic; Emmanouil Dermitzakis; Griffin White; Henri Pegesot; Ioannis Xenarios; Ivan Topolsky; Jay Tracy; Katharina Jahn; Keith Harshman; Lara Fuhrmann; Laura Neff; Lennart Oplitz; Lorenzo Cerutti; Maria Domenica Moccia; Maurice Redondo; Niko Beerenwink; Noemie Santamaria de Souza; Olivier Kobel; Philipp Jablonski; Ralph Schlapbach; Sarah Nadeau; Simon Gruter; Sophie Seidel; Tanja Stadler; Timothy Sykes	
EPI_ISL_693831, EPI_ISL_1750667, EPI_ISL_2307734	Viollier AG	Department of Biosystems Science and Engineering, ETH Zurich	Chaoran Chen; Christian Beisel; Christiane Beckmann; Christoph Noppen; David Dreifuss; Deborah Penet; Elodie Burcklen; Emmanouil Dermitzakis; Henri Pegesot; Ina Nissen; Ioannis Xenarios; Ivan Topolsky; Katharina Jahn; Keith Harshman; Lara Fuhrmann; Lorenzo Cerutti; Maurice Redondo; Mirjam Feldkamp; Natascha Santacroce; Niko Beerenwink; Noemie Santamaria de Souza; Olivier Kobel; Pedro Ferreira; Philipp Jablonski; Rebecca Denes; Sarah Nadeau; Sophie Seidel; Susana Posada-Céspedes; Tanja Stadler; Tobias Schär	
EPI_ISL_1788089, EPI_ISL_1762052, EPI_ISL_1762053, EPI_ISL_1762054, EPI_ISL_1762056, EPI_ISL_1762057, EPI_ISL_1762058, EPI_ISL_1762059, EPI_ISL_1762060, EPI_ISL_1762061, EPI_ISL_1762062, EPI_ISL_1762063, EPI_ISL_1762064, EPI_ISL_1762065, EPI_ISL_1762066, EPI_ISL_1762067, EPI_ISL_1762068, EPI_ISL_1762069, EPI_ISL_1762070, EPI_ISL_1762071, EPI_ISL_1762072, EPI_ISL_1762073, EPI_ISL_1762074, EPI_ISL_1762075, EPI_ISL_1762076, EPI_ISL_1762077, EPI_ISL_1762078, EPI_ISL_1762080, EPI_ISL_1762081, EPI_ISL_1762082, EPI_ISL_1762083, EPI_ISL_1762084, EPI_ISL_1762086, EPI_ISL_1764144, EPI_ISL_1764145, EPI_ISL_1764146, EPI_ISL_1788083, EPI_ISL_1972305, EPI_ISL_1972306, EPI_ISL_1972320, EPI_ISL_1972325, EPI_ISL_2135847	see above	Viral Respiratory Lab, National Institute for Biomedical Research (INRB)	Pathogen Sequencing Lab, National Institute for Biomedical Research (INRB)	Allison Black; Amuri Aziza; Andrew Rambaut; Catherine Pratt; Eddy Kinganda-Lusamaki; Edith Nkwembe; Emmanuel Lokilo Lofiko; Francisca Muyembe Mawete; Ian Goodfellow; James Hadfield; Jean Claude Makangara; Jean-Jacques Muyembe Tammun; Josh Quick; Kristian Andersen; Matthias Pauthner; Michael Wiley; Nick Loman; Placide Mbala-Kingebeni; Steve Ahuka-Mundeka; Trevor Bedford
EPI_ISL_918371	Virology Unit, Institut Pasteur du Cambodge	Virology Unit, Institut Pasteur du Cambodge	Chau Darapheak; Chin Savuth; Erik A Karlsson; Etienne Simon-Loriere; Krasim Stojan; Ly Sovann; Sokhoun Yann; Vessana Duong; Yi Sengdeum	
EPI_ISL_1400539	WHO National Influenza Centre Russian Federation	WHO National Influenza Centre Russian Federation	Andrey Komissarov; Anna Ivanova; Artem Fadeev; Daria Danilenko; Dmitry Bazhenov; Dmitry Litov; Elena Nabieva; Georgii Bazykin; Ksenia Sofina; Kseniya Komissarova; Mikhail Bakaev	
EPI_ISL_2365407, EPI_ISL_2365408, EPI_ISL_2365409, EPI_ISL_2365410, EPI_ISL_2365411, EPI_ISL_2365412, EPI_ISL_2365413	see above	WWF Bayanga field laboratory	Robert Koch Institute	F. H. Leendertz; F. S. Niatou-Singa; M. Ulrich; S. Calvignac-Spencer; T. B. Tombolomako; T. Fuh-Neba; U. Vicks
EPI_ISL_2365414, EPI_ISL_2365415, EPI_ISL_2365416, EPI_ISL_2365417	see above	WWF Bayanga field laboratory	WWF Bayanga field laboratory	F. H. Leendertz; F. S. Niatou-Singa; M. Ulrich; S. Calvignac-Spencer; T. B. Tombolomako; T. Fuh-Neba; U. Vicks
EPI_ISL_416538	Wellington Hospital	Institute of Environmental Science and Research (ESR)	New Zealand; Newtown; Riddiford Street; Wellington 6021; Wellington Hospital; Wellington SCL	
EPI_ISL_1255144, EPI_ISL_1255271	West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana, Accra, Ghana	West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana, Volta Road, Legon-Accra, Ghana	: Abdoulaye B Diallo; Abdul-Karim Abasi; Aisha Mohammed; Benjamin Demah Huertey; Collins M. Morang; Dan Kenneth Mbut; Dominie S.Y. Amuzu; Emmanuella Ansoaka; Evelyn B. Quansah; Frederick Kumi-Ansah; Frederick Tei-Maya; Gordon A Awandare; Joyce M. Ngo; Keesego Tapela; Lucas N. Amenga-Etego; Nelson Kibinge; Oliver O Boakye; Peter K Quashie; Philip M. Soglo; Samirah Said; Samuel Kaba Akorley; Theophilus Odoom; Vanessa Magnusson; Vincent Appiah; Yaw Bediako	
EPI_ISL_1967489	Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Ashley Norberg; Brian Dominguez; Brittany Oher; Carl Sloma; Channing Weber; Chayse Rowley; Elliot Thomasson; Jim Milnberger; Marley Goetz; Sam Britz; Taylor Fearing; and Rob Christensen	
EPI_ISL_1565237	amedes MVZ Hannover	Robert Koch Institute	Aude Lessenne; Bénédicte Roquebert; Emmanuel Lecorche; Kader Merah; Laura Verdum; Patrice Herisson; Sabine Trombert-Paolantoni; Stéphanie Halm-Boukobza; Thierry Collin	
EPI_ISL_2421124, EPI_ISL_2562034	cerballiance-IDF	Cerba lab	Aude Lessenne; Bénédicte Roquebert; Emmanuel Lecorche; Kader Merah; Laura Verdum; Patrice Herisson; Sabine Trombert-Paolantoni; Stéphanie Halm-Boukobza; Thierry Collin	
EPI_ISL_2600376	cerballiance-centre val de loire	Cerba lab		
EPI_ISL_2248995, EPI_ISL_2248996, EPI_ISL_2362120, EPI_ISL_2362121, EPI_ISL_2362122, EPI_ISL_2362123, EPI_ISL_2362124, EPI_ISL_2362125, EPI_ISL_2362126, EPI_ISL_2362127, EPI_ISL_2362128, EPI_ISL_2362129, EPI_ISL_2362130, EPI_ISL_2362131, EPI_ISL_2362132	see above	unknown	Instituto Nacional de Saude (INSA)	Borges et al