

We gratefully acknowledge the following Authors from the Originating laboratories responsible for obtaining the specimens, as well as the Submitting laboratories where the genome data were generated and shared via GISAID, on which this research is based.

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EPI_ISL_2102132, EPI_ISL_2686828	EHNV	Laboratory of genomics and metagenomics	Claire Bertelli; Damien Jacot; Gilbert Greub; Sébastien Aebys; Trestan Pilonel
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	Eurofins LifeCodexx GmbH	Robert Koch Institute
EPI_ISL_912369	Fondation Congolaise pour la recherche medicale (FCRM), Francine Ntouni	NGS Competence Center Tuebingen, Institut für Medizinische Mikrobiologie und Hygiene, Universitätsklinikum Tübingen	Angel Angelov
EPI_ISL_1919296	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Atiya R Ali; Debech Nadia; Engebretsen Serina Beate; Garcia Llorente Ignacio; Hilde Elshaug; Hilde Vollan; Jon Bråte; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Marie Paulsen Madsen; Olav Hungnes; Pedersen Benedikte Nevjen; Rasmus Riis Kopperud
EPI_ISL_1239005	GA Department of Public Health	GA Department of Public Health	Aliyah Fields; Cynthia Dixey; Jonathan Edwards; Stacy Reeves; Taylor Smith; Tonia Parrott
EPI_ISL_2152589	GH A.CHENEVIER-H.MONDOR	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Alexandre Soulier; Christophe Rodriguez; Elisabeth Trawinski; Guillaume Gricourt; Jean-Michel Pawlotsky; Melissa N'Debi; Slim Fourati; Vanessa Demontant
EPI_ISL_1915592	GHDC - SITE ST JOSEPH	Institut de Pathologie et Genetique (IPG)	Jérémie Gras; Pascale Hilbert
EPI_ISL_406798	General Hospital of Central Theater Command of People's Liberation Army of China	BGI & Institute of Microbiology, Chinese Academy of Sciences & Shandong First Medical University & Shandong Academy of Medical Sciences & General Hospital of Central Theater Command of People's Liberation Army of China	Weifeng Shi and Zhenhong Hu; Weijun Chen; Yuhai Bi
EPI_ISL_746484, EPI_ISL_1167764, EPI_ISL_1167777	Genetica Molecular and Subdepartamento de Virologia ISP Chile	Instituto de Salud Publica de Chile	Andres Castillo; Barbara Parra; Gisselle Barra; Jaime Lagos; Javier Tognarelli; Jorge Fernandez; Karen Orostica; Loredana Arata; Patricia Bustos; Rodrigo Fasce
EPI_ISL_1595851	Genome Analysis Center, Yamanashi Central Hospital	Genome Analysis Center, Yamanashi Central Hospital	Yosuke Hirotsu

EPI_ISL_496790, EPI_ISL_1502988 EPI_ISL_2535955 EPI_ISL_2322955 EPI_ISL_2651126 EPI_ISL_2010575	Gorgas Memorial Laboratory of Health Studies Gravity Diagnostics, LLC HIB HOME QUARANTINE TASKFORCE Helix/Illumina	Gorgas Memorial Laboratory of Health Studies Gravity Diagnostics, LLC Laboratory of genomics and metagenomics Hong Kong Department of Health Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Alexander A Martinez; Castillo Jorge; Claudia Gonzalez Sandra Lopez-Verges; Danilo Franco; Franco Danilo; Gonzalez Claudia; Jessica Gondola; Leyda Abrego; Lopez-Verges Sandra; Marlene Castillo; Martinez Alexander; Moreno Ambar; Moreno Brechla; Oris Chavarria; Ortiz Alma Gravity Diagnostics Claire Bertelli; Damien Jacot; Gilbert Greub; Sébastien Aebly; Trestan Pillonel Alan K.L. Tsang; Dominic N.C. Tsang; Edman T.K. Lam; Ken H.L. Ng; Peter C.W. Yip; Rickjason C.W. Chan
EPI_ISL_767874	Histopath	NSW Health Pathology - Institute of Clinical Pathology and Medical Research; Westmead Hospital; University of Sydney	Adrian Paskey; Alexandre Bolze; Ary Ascencio; Benjamin Rambo-Martin; Brad Sickler; Charlotte Rivera-Garcia; Christine Tran; Christopher Gulvick; Clinton R. Paden; Dakota Howard; Darlene Wagner; David Becker; Dhvani Batra; Duncan MacCannell; Efrén Sandoval; Eileen de Feo; Elizabeth Cirulli; Eric Allen; Geraint Levan; James Lu; Jan Antico; Jason Caravas; Jason Nguyen; Jimmy Ramirez; Jingtao Liu; Kara Moser; Kelly Schiabor Barrett; Kim Gietzen; Magnus Isaksson; Marc Laurent; Matthew Schmerer; Matthew Tolentino; Nicole L. Washington; Peter W. Cook; Phil Febbo; Ryan Cho; Scott Sammons; Shannon Wickline; Shatavia Morrison; Sherry Wang; Simon White; Tyler Cassens; William Lee; Yvette Unoarumhi CIDM-PH et al.
EPI_ISL_1582678, EPI_ISL_1675082, EPI_ISL_1675084, EPI_ISL_1700651, EPI_ISL_1789037, EPI_ISL_1789089, EPI_ISL_1789090, EPI_ISL_1789091, EPI_ISL_1789092, EPI_ISL_1789093, EPI_ISL_1789094, EPI_ISL_1789095, EPI_ISL_1789096, EPI_ISL_1789097, EPI_ISL_1789100, EPI_ISL_1821604, EPI_ISL_1915140, EPI_ISL_1915177, EPI_ISL_2029977, EPI_ISL_2188340, EPI_ISL_2188415, EPI_ISL_2188468, EPI_ISL_2293321, EPI_ISL_2293322, EPI_ISL_2293323, EPI_ISL_2293498, EPI_ISL_2374183, EPI_ISL_2374411, EPI_ISL_2464024, EPI_ISL_2531831, EPI_ISL_2532297	see above Hospital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Adrien Pain; Amaury Vaysse; Angela Brisebarre; Camille Capel; Ch De Cornouaille; Christophe Malabat; CléMence Guillaume; Corinne Maufrais; CéLine Bressollette; Damien Mornico; Emmanuelle Pernal; Etienne Simon-Lorière; Farida Moreau Benaoudia; Frédéric Lemoine; Gael Millot; Jérôme Guinard; Louise Lefrançois; Marion Barbet; Maud Vanpeene; Méline Bizard; Nabil Gastli; Pascale Martres; Pierre Lechat; Sandrine Castelain; Sylvie Behillil; Sylvie Van der Werf; Sylvie van der Werf; Thibault Guinoiseau; Victoire Ballet; Vincent Enouf Bruno Gome-Gil; Julissa Enciso-Ibarra
EPI_ISL_1120614 EPI_ISL_1963950, EPI_ISL_1963963, EPI_ISL_1963964, EPI_ISL_1963980, EPI_ISL_1963982, EPI_ISL_1963994, EPI_ISL_1964008, EPI_ISL_1964016, EPI_ISL_1964053, EPI_ISL_1964056, EPI_ISL_1964065, EPI_ISL_1964077	Hospital Margarita Maza de Juarez see above Hospital Universitari Bellvitge	CIAD LDM-LGM Microbiology Department	Aida Gonzalez-Diaz; Carmen Ardanuy; Jordi Camara; Jordi Niubó; Laura Calatayud; M Angeles Domínguez; Miguel Fernandez-Huerta; Sara Marti
EPI_ISL_2467767 EPI_ISL_2228884, EPI_ISL_2333768	Hôpital Bichat Claude Bernard, Laboratoire de Virologie Hôpital Cochin	IAME UMR1137 Inserm, Université de Paris, Hôpital Bichat Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Alexandre Storto; Amélie Recoing; Antoine Bridier-Nahmias; Benoit Visseaux; Charlotte Charpentier; Diane Descamps; Gilles Collin; Lena Daniel; Mélanie Bertine; Nadhira Houhou-Fidouh; Quentin Le Hingrat; Siham Hamri Alexandre Soulier; Christophe Rodriguez; Elisabeth Trawinski; Guillaume Gricourt; Jean-Michel Pawlotsky; Melissa N'Debi; Slim Fourati; Vanessa Demontant
EPI_ISL_1755103, EPI_ISL_1757775	Hôpital Necker-Enfants malades	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Alexandre Soulier; Christophe Rodriguez; Elisabeth Trawinski; Guillaume Gricourt; Jean-Michel Pawlotsky; Melissa N'Debi; Slim Fourati; Vanessa Demontant
EPI_ISL_2637798	Hôpital Paul Brousse	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Alexandre Soulier; Christophe Rodriguez; Elisabeth Trawinski; Guillaume Gricourt; Jean-Michel Pawlotsky; Melissa N'Debi; Slim Fourati; Vanessa Demontant
EPI_ISL_1381065 EPI_ISL_1577798 EPI_ISL_1419722 EPI_ISL_1517423	IAL Regional de Santo Andre INHRR INSACOG-WB Inciensa, Instituto Costarricense de Investigación y Enseñanza en Nutrición y Salud	Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory Laboratorio de Virología Molecular National Institute of Biomedical Genomics - INSACOG Inciensa, Instituto Costarricense de Investigación y Enseñanza en Nutrición y Salud	Caio Vinicius Dias Lopes; Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos Aguilar M; Alarcon V; D Angelo P; Delgado M; Garzaro D; Jaspe RC; Loureiro CL; Pujol FH; Rangel HR; Rodriguez L; Zambrano JL Ajay Chakraborti; Arindam Maitra; Bhaswati Bandyopadhyay; Nidhan Kumar Biswas; Saumitra Das; Sreedhar Chinnaswamy; Tamal Ghosh Cristian Pérez-Corrales; Valeria Peralta-Barquero & Gallegos-Carrillo B
EPI_ISL_1587703, EPI_ISL_1733152, EPI_ISL_2014315, EPI_ISL_2014756, EPI_ISL_2087544, EPI_ISL_2187220, EPI_ISL_2283507	see above Infinity Biologix	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Adrian Paskey; Benjamin Rambo-Martin; Chirayu Goswami; Christian Bixby; Christopher Gulvick; Clinton R. Paden; Dakota Howard; Darlene Wagner; Dhvani Batra; Duncan MacCannell; Jason Caravas; Jonathan Schultz; Kara Moser; Matthew Schmerer; Peter W. Cook; Robin Grimwood; Russ Hager; Scott Sammons; Shatavia Morrison; Yihe Wang; Yvette Unoarumhi
EPI_ISL_1509002 EPI_ISL_999032 EPI_ISL_2262447	Institut National d'hygiène Institut Pasteur de Guinée Institut für Klinische Transfusionsmedizin und Immunogenetik DRK Blutspendedienst Baden-Württemberg	Unité Mixte Internationale TransVIHMI (UMI 233 IRD - U1175 INSERM - Université de Montpellier) IRD (Institut de recherche pour le développement) Institut Pasteur de Dakar Robert Koch Institute	Abla A. KONOU; Adodo SADJI; Ahidejo AYOUBA; Akoéfi SILIADIN; Alassane OURO-MEDELI; Amivi EHLAN; Améyo DORKENOO; Anoumou DAGNRA; Christelle BUTEL; Déliéma MABA; Eric DELAPORTE; Issaka Maman; Kokou TEGUENI; Koku AGBODEKA; Laetitia SERRANO; Martine PEETERS; Messanm DOUFFAN; Mireille PRINCE-DAVID; Mounerou SALOU; Sidonie A.M.KAGNISSEDE; Sika DOSSIMI; Syntyche DEVATCHAGNI; Wembo A. HALATOKO Dia Ndongo; Diagne Moussa Moise; Diallo Amadou; Diop Mamadou; Faye Ousmane; Grayo Solene; Loucoubar Cheikh; Mbengue Safietou Sankhe; Ndiaye Ndack; Sall Amadou Alpha; Tordo Noel
EPI_ISL_1811302 EPI_ISL_2153441 EPI_ISL_1941537	Institute for Infectious Diseases Institute for Infectious Diseases, University of Bern Institute of Medical Microbiology and Hospital Hygiene	Institute for Infectious Diseases Institute for Infectious Diseases, University of Bern Institute of Medical Microbiology and Hospital Hygiene	Alban Ramette; Christian Baumann; Cora Säggerer; Franziska Suter-Riniker; Miguel A Terrazos Miani; Pascal Bittel; Peter Keller; Stefan Neuschwander; Stephen L Leib Alban Ramette; Christian Baumann; Cora Säggerer; Franziska Suter-Riniker; Miguel A Terrazos Miani; Pascal Bittel; Peter Keller; Stefan Neuschwander; Stephen L Leib Aljoscha Tersteegen; Prof. Dr. Achim Kaasch
EPI_ISL_697791, EPI_ISL_728204 EPI_ISL_1443661 EPI_ISL_1675656	Institute of Microbiology, Universidad San Francisco de Quito Institute of Microbiology, Universidad San Francisco de Quito Institute of Molecular and Translational Medicine / Laboratory of Experimental Medicine / Laboratory of Experimental Medicine, Faculty of Medicine and Dentistry, Palacky University and University Hospital Olomouc	Institute of Microbiology, Universidad San Francisco de Quito Omics Sciences Laboratory Institute of Molecular and Translational Medicine / Laboratory of Experimental Medicine, Faculty of Medicine and Dentistry, Palacky University	Belén Prado-Vivar; Bernardo Gutiérrez; Gabriel Trueba; Jonathan Araujo; Juan José Guadalupe; Michelle Grunauer; Monica Becerra-Wong; Patricio Reyes; Patricio Rojas-Silva; Paúl Cárdenas; Sully Márquez; Tania Guayasamin; Verónica Barragán ; Andrea Cunguan; Belén Prado-Vivar; Bernardo Gutiérrez; Darlyn Amaya; Dayron Brossad; Derly Andrade Molina; Emily Sulay Saltos Montalvo; Fernanda Zurita; Gabriel Morey León; Gabriel Trueba; Juan Carlos Fernández Cadena; Juan José Guadalupe; Kathryn Sacheri Viteri; Michelle Grunauer; Monica Becerra-Wong; Nabih Dahik; Patricio Rojas-Silva; Paula Juliana Gavilanes Jarrín; Paúl Cárdenas; Rubén Armas González; Sully Márquez; Verónica Barragán Barbora Blumová; Hana Jaworek; Marián Hajdúch; Rastislav Slavkovský; Tomáš Pospíšil; Vladimíra Koudeľáková
EPI_ISL_577741, EPI_ISL_875538 EPI_ISL_491951 EPI_ISL_1545316, EPI_ISL_1545320 EPI_ISL_536504 EPI_ISL_1303367 EPI_ISL_887486	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava Instituto Nacional de Investigación en Salud Pública - INSPI Instituto Nacional de Investigación em Saúde Instituto Nacional de Salud Instituto Nacional de Salud- Dirección de Redes de Laboratorios de Salud Pública Instituto Nacional de Saude (INS), Mozambique	Faculty of Natural Sciences, Comenius University, Bratislava INSPI - Charité KRISP, KZN Research Innovation and Sequencing Platform Laboratorio de Infecciones Respiratorias Agudas Instituto Nacional de Salud- Dirección de Investigación en Salud Pública KRISP, KZN Research Innovation and Sequencing Platform	Boris Klempa; Broňa Brejová; Dominika Fričová; Edita Staroňová; Elena Tichá; Jozef Nosek; Juraj Kopáček; Kristína Boršová; Martina Ličková; Martina Neboháčová; Monika Sláviková; Sabina Fumacová Havlíková; Tomáš Vinař; Viktória Hodorová; Viktória Čabanová; Ľubomíra Lukáčiková Alberto Oriando; Alexandra Usifa; Alfredo Bruno Caicedo; Andres Moreira-Soto; Anna-Lena Sander; Denisses Portugal; Domenica de Mora Coloma; Jan Felix Drexler; Juan Carlos Zeballos; Manuel Gonzalez; Maritza Olmedo; Nina Krause; Silvia Salgado Afonso P; David K; Emmanuel SJ; Freitas RH; Giandhari J; Inglês L; Lutucuta S; Miranda J; Morais J; Mufinda M; Naidoo Y; Neto Z; Paulo A Carralero RR Paixão JP; Pereira A; Pillay S; Tegally H; Wilkinson E; de Oliveira T David Tarazona; Dennis Carhuarica; Eduardo Juscamayta Lopez; Faviola Valdivia Guerrero; Lenin Maturrano Hernandez; Nancy Rojas Serrano; Ronnie Gavilan Chavez Carlos Franco-Muñoz; Carmen Osorio; Diana Malo; Diego A. Álvarez-Díaz; Diego Andrés Prada; Gerardo Santamaría; Hector Alejandro Ruiz-Moreno; Jhonnatan Reales-González; Juan Camilo Martínez; Julian Naizaque; Katherine Laiton-Donato; Lissett Pardo; Magdalena Wiesner; Marcela Mercado-Reyes; Maria T. Herrera-Sepúlveda; Marta Lopez Blanco; Martha Lucia Ospina Martinez; Sergio Gomez; Sheryll Corchuelo; Ángela Alarcon Cruz Giandhari J.; Nadia Stöte; Nalia Ismael; Nedio Mabunda; Paulo Arnaldo; Pillay S; Tegally H; Wilkinson E; de Oliveira T
EPI_ISL_1117135 EPI_ISL_1854262	Instituto Nacional de Saude (INSA) Instituto Nacional de Saude (INSA) and Institute of Biomedicine (IBIMed), Universidade de Aveiro	Instituto Nacional de Saude (INSA) Instituto Nacional de Saude (INSA) and Institute of Biomedicine (IBIMed), Universidade de Aveiro	Borges et al Borges et al
EPI_ISL_1168493, EPI_ISL_1168616 EPI_ISL_2131284 EPI_ISL_1167145 EPI_ISL_1608021 EPI_ISL_1805832, EPI_ISL_1973436, EPI_ISL_1973437 EPI_ISL_1440264	Instituto de Diagnostico y Referencia Epidemiologicos INDRE_RNLSP Instituut Tropische Geneeskunde Iressef Genomics lab Jessa Johns Hopkins Hospital Department of Pathology KEMRI-Wellcome Trust Research Programme, Kilifi	Instituto de Diagnostico y Referencia Epidemiologicos (INDRE) Labo Klinische Biologie, UZA L'institut de Recherche en Santé, de Surveillance Épidémiologique et de Formation (IRESSEF) Jessa Johns Hopkins Hospital Department of Pathology KEMRI-Wellcome Trust Research Programme, Kilifi	Abril Rodriguez-Maldonado; Ariadna Medina-Benitez; Claudia Wong-Arambula; David Fragos-Fonseca; Ernesto Ramirez-Gonzalez.; Gisela Barrera-Badillo; Irma Lopez-Martinez; Joaquin Quiroz-Mercado; Lucia Hernandez-Rivas; Natividad Cruz-Ortiz; Sergio Rangel-Guerrero; Tatiana Nunez-Garcia; Vanessa Rivero-Arredondo Basil Britto Xavier; Christine Lammens; Herman Goossens; Jasmine Coppens; Marie Le Mercier; Veerle Matheussen Abdou PADANE; Abdoulie KANTEH; Abdul Karim SESAY; Ambroise AHOUIDI; Aminata DIA; Aminata MBOUP; Astou Gaye GAYE; Barada CISSE; Ibrahim Piere NDIAYE; Gora LO; Khadim GUEYE; Moustapha MBOW; Nafisatou LEYE; Ndeye Coumba Toure KANE; Papa Alassane DIAW; Souleymane MBOUP; Yacine DIA Cruys et al. on behalf of the Jessa_cmdLab Adannaya Amadi; C. Paul Morris; Chun Huai Luo; Heba H. Mostafa; Matthew Schwartz; Nicholas Gallagher Githinji G.; Mburu M.W.; Mohamed K.S.; deLaurent Z.
EPI_ISL_968849, EPI_ISL_968873 EPI_ISL_1382294	KEMRI-Wellcome Trust Research Programme/KEMRI-CGMR-C Kilifi KU Leuven, Rega Institute, Clinical and	KEMRI-Wellcome Trust Research Programme/KEMRI-CGMR-C Kilifi KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Githinji et al Bert Vanmechelen; Joan Marti-Carerras; Piet Maes; Tony Wawina-Bokalanga

EPI_ISL_2424358 EPI_ISL_2534007	Epidemiological Virology Kaiser Permanente Washington Health Research Institute	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Adam Rettlesch; Anna Kelleher; Anna Uehara; Brian Lynch; Clinton R. Paden; Dhvani Batra; Haibin Wang; Han Jia Justin Ng; Jasmine Padilla; Jing Zhang; Justin Lee; Krista Queen; Mark Burroughs; Mili Sheth; Morgan Davis; Peter Cook; Rachel Marine; Sarah Nobles; Suixiang Tong; Tara Coalter; Yan Li; Ying Tao
EPI_ISL_2689476	Kath. Marienkrankenhaus	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Adam Grundhoff; Alexis Robitaille; Johannes Knobloch; Martin Aepfelbacher; Nicole Fischer; Thomas Günther
EPI_ISL_2095894 EPI_ISL_1008420 EPI_ISL_2278470	Klaipedos universitetine ligonine Klinisk mikrobiologi LABO BIOMEDICA	National Public Health Surveillance Laboratory The Public Health Agency of Sweden CHU Purpan - Laboratoire de Virologie - Institut Fédératif de Biologie	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaits; Migle Gabrielaite; Svajune Muralyte Anna Risberg; Anna-Malin Linde; Carlo Berg; Karin Tegmark-Wisell; Maria Lind Karlberg; Mattias Haukland; Mia Brytting; Noura Walai; Oskar Karlsson Lindsjö; Petra Edquist; Petra Holmstrom; Reza Advani; Sofia Stamouli Bulach T.; Donnadiou C.; Izopet J.; Latour J.; Milhes M.; Nicot F.; Ranger N.; Salin G.; Tremaux P.
EPI_ISL_2482791 EPI_ISL_2629288 EPI_ISL_1483032	LABORATOIRE CERBALLANCE PLT VILLON LABORATOIRE CREAVALLEE LESP Nuevo Leon	CNR Virus des Infections Respiratoires - France SUD CNR Virus des Infections Respiratoires - France SUD Instituto de Diagnostico y Referencia Epidemiologicos (INDRE)	Antonin Bal; Bruno Lina; Gregory Destras; Gwendolyne Burfin; Hadrien Regue; Laurence Josset; Martine Valette; Quentin Semanas Antonin Bal; Bruno Lina; Gregory Destras; Gwendolyne Burfin; Hadrien Regue; Laurence Josset; Martine Valette; Quentin Semanas Abril Rodriguez-Maldonado; Ariadna Medina-Benitez; Claudia Wong-Arambula; Ernesto Ramirez-Gonzalez; Gisela Barrera-Badillo; Irma Lopez-Martinez; Joaquin Quiroz-Mercado; Lucia Hernandez-Rivas; Natividad Cruz-Ortiz; Sergio Rangel-Guerrero; Tatiana Nunez-Garcia; Vanessa Rivero-Arredondo
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	see above Lab voor klinische biologie LabKom - MVZ Labor Bochum MLB GmbH EPI_ISL_456382, EPI_ISL_1967901	Lab voor klinische biologie Robert Koch Institute Institute of Environmental Science and Research (ESR)	Bruno Verhasselt; Hannelore Hamerlinck; Marija Janevska Anja Werno; Antje van der Linden; Arlo Upton; Chris Mansell; David Hammer; Dragana Drinkovic; Erasmus Smit; Gary McAuliffe; Hana Sofia Andersson; Hermes Perez; James Ussher; Jill Sherwood; Jing Wang; Joep de Ligt; Josh Freeman; Julia Howard; Juliet Elvy; Lauren Jelly; Mary DeAlmeida; Matt Blakiston; Matt Storey; Matthew Rogers; Max Bloomfield; Michael Addidle; Michelle Balm; Muhammad Faisal; Nikki Freed; Olin Silander; Olivia Stroeven; Rachel Boyle; Sally Roberts; SallyAnn Harbison; Sarah Jefferies; Sharmini Muttaiyah; Susan Morpeth; Susan Taylor; Timothy Blackmore; Vani Sathyendran; Veronica Playle; Virginia Hope; Xiaoyun Ren
EPI_ISL_1675013, EPI_ISL_1675021, EPI_ISL_2029615, EPI_ISL_2029621, EPI_ISL_2029629, EPI_ISL_2029714, EPI_ISL_2029742, EPI_ISL_2029787, EPI_ISL_2029888, EPI_ISL_2029936, EPI_ISL_2030060, EPI_ISL_2293601, EPI_ISL_2464209, EPI_ISL_2612587, EPI_ISL_2627977	see above Labo Analyses Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Adrien Pain; Amaury Vayssie; Angela Brisebarre; Anne Holstein; Brieuc Gestin; Camille Capel; Christophe Malabat; Corinne Maufrais; Edouard Laminand; Emmanuelle Permal; Etienne Simon-Lorière; Fabienne Artur; Frédéric Vincent; Jean-Christophe Denis; Karine Breant; Louise Lefrançois; Marion Barbet; Maud Vanpeene; Melanie Caron; Méline Bizard; Pascale Martres; Pierre Lechat; Pierre-Yves Leonard; StéPhane Romand; Sylvie Behillili; Sylvie van der Werf; Vincent Enouf
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EPI_ISL_2373973 EPI_ISL_1137621 EPI_ISL_660464	Laboratoire Virologie Saint Louis APHP Laboratoire central de Virologie Laboratoire de Microbiologie CHU Sourou Sanou	Laboratoire Virologie Saint Louis APHP Laboratoire de Biotechnologie Centre Muratz	Constance Delaquerre; Jérôme Le Goff; Linda Feghoul; Marie Laure Chaix; Marie Laure Néré; Maud Salmona; Severine Mercier Delarue; Sophia Achaïbou Abdelomunim Essabbar; Amal Zouaki; Ghizlane EL Amin; Hakima Kabbaj; Lahcen Belyamani and Azeddine Ibrahim; Mouna Ouadghiri; Myriam Seffar; Saïd Amzazi; Tarik Aanniz Abdoul-Salam Ouedraogo; Arsène Zongo; Essia Belarbi; Fabian Leendertz; Grit Schubert; Halidou Tinto; Lassana Sangaré; Soumeya Ouangraoua; Yacouba Sawadogo; Zekiba Tarnagda
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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	see above 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 Goncalves; The Lighthouse Lab in Alderley Park and Alex Alderton
EPI_ISL_1242199, EPI_ISL_1275749, EPI_ISL_1275972, EPI_ISL_1276088, EPI_ISL_1316127, EPI_ISL_1327538, EPI_ISL_1329214, EPI_ISL_1329219, EPI_ISL_1329268	see above Lighthouse Lab in Cambridge	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; Rob Howes; Roberto Amato; Sonia Goncalves; The Lighthouse Lab in Cambridge and Alex Alderton
EPI_ISL_1939681, EPI_ISL_1986251, EPI_ISL_1986254, EPI_ISL_1986282, EPI_ISL_1986325, EPI_ISL_1986509, EPI_ISL_2238624	see above 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 VanSteenhouse; Ian Johnston; Jeffrey Barrett; John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team; Roberto Amato; Sonia Goncalves; Yumi Kasai
EPI_ISL_1985756, EPI_ISL_2117910, EPI_ISL_2121107, EPI_ISL_2152803, EPI_ISL_2153043, EPI_ISL_2235679, EPI_ISL_2346864	see above Lighthouse Lab in Milton Keynes	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; Roberto Amato; Sonia Goncalves; The Lighthouse Lab in Milton Keynes and Alex Alderton
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EPI_ISL_2265478 EPI_ISL_2115390 EPI_ISL_2265010, EPI_ISL_2265019	Medizinische Laboratorien Düsseldorf Medizinisches Labor Wahl Ludenscheid Medizinisches Labor Wahl Lüdenscheid	Robert Koch Institute Robert Koch Institute Robert Koch Institute	
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EPI_ISL_1579527, EPI_ISL_1579571, EPI_ISL_1579607, EPI_ISL_1579784, EPI_ISL_1579903	NMVRVI	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte
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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	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte
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EPI_ISL_1112166	National Laboratory for Health, Environment and Food, OMM, Maribor	CISLD (Clinical Institute of Special Laboratory Diagnostics), University Children's Hospital, University Medical Center Ljubljana	Ana Grom; Barbara Jenko Bizjan; 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 Henczkó; 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
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
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
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	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
EPI_ISL_444999	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 Voegtly; 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	Oluniyi 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	Oluniyi 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 Ussher; Jill Sherwood; Jing Wang; Joep de Ligt; Josh Freeman; Julia Howard; Juliet Elvy; Lauren Jelly; Mary DeAlmeida; Matt Blakiston; Matt Storey; Matthew Rogers; Max Bloomfield; Michael Addidle; Michelle Balm; Muhammad Faisal; Nikki Freed; Olin Silander; Sally Roberts; Sarah Jefferies; Sharmini Muttaiyah; Susan Morpeth; Susan Taylor; Timothy Blackmore; Vani Sathyendran; Veronica Playle; Virginia Hope; Xiaoyun Ren
EPI_ISL_1302680	Nucleic Acid Testing, National Reference Laboratory	GIGA Medical Genomics	Bouchra Boujemla; Esperence Umumararungu; Jacob Souopgui; Keith Durkin; Léon Mutesa; Maria Artesi; Marie-Pierre Hayette; Nathalie Renotte; Patrick Tuyisenge; Robert Rutayisire; Sabin Nsanzimana; Swaibu Gatara; Sébastien Bontermis; Vincent Bours; Yvan Butera
EPI_ISL_1117426	Nucleo 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 Lacek; Mark Burroughs; Matthew Schmerer; Mili Sheth; Peter Cook; Sam Shepard; Sarah Nobles; Shoshona Le; Suxiang Tong; Vivien Dugan; Yvette Unoarumhi
EPI_ISL_2545564	OKMI FN Brno	CEITEC MU	Bystry V.; Deissova T.; Dolejska M.; Machackova T.; Pardy F.; Zdravilova Dubska L.
EPI_ISL_1620228	OLVZ Aalst	OLVZ Aalst	Astrid Holderbeke
EPI_ISL_1366745	OUCRU	OUCRU	Guy Thwaites; Huynh Trung Trieu; Lam Minh Yen; Le Manh Hung; Le Nguyen Truc Nhu; Le Thi Thu Huong; Le Van Tan; Nghiem My Ngoc; Ngo Ngoc Quang Minh; Nguyen Thanh Dung; Nguyen Thanh Phong; Nguyen Thanh Trung; Nguyen Thi Thu Hong; Nguyen To Anh; Nguyen Tri Dung; Nguyen Van Vinh Chau; Tran Nguyen Hoang Tu; Tran Tan Thanh
EPI_ISL_492020	Oman-NIC	Department of Microbiology and Immunology-SQUH	Abdulla Balkhair; Ahlam Al-Amri; Aisha Al-Amri; Aisha Al-Busaidi; Amina Al Jardani; Fahad Zadjali; Fatma BaAlawi; Hamida AL Barwani; Hanan Al-kind; Intisar Al-Shukri; Khulod Al-Mammary; Mohammed Al-Tobi; Samiha Al Kharusi; Samira Al-Maruqi; 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 Kumziene-Summerhayes; Sara Rey; Sarah Taylor; Simon Cottrell; Sophie Jones; Tom Connor
EPI_ISL_1490266	Ostfold Hospital Trust - Kalmes, Centre for Laboratory Medicine. Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology	Atiya R Ali; Debec Nadia; Engebretsen Serina Beate; Garcia Llorente Ignacio; Hilde Elshaug; Hilde Volla; Jon Bråte; Kamilla Heddeland Instedjord; 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_712081	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_2188829	Prime Care Alpha Covid-19 Testing Laboratory	Philippine Genome Center	Alethea R. de Guzman; Anna Ong-Lim; Arianne A. Zamora; Asia Louisa U. Chong; Benedict A. Maralit; Candice Francheska B. Tambaoan; Carlo M. Lapid; Celia Carlos; Devon Ray Pacial; Edsel Maurice Salvaña; El King D. Morado; Elcid Aaron R. Pangilian; Eva Maria Cutiongo-de la Paz; Francis A. Tablizo; Irish Coleen A. Asin; Jaime C. Montoya; Jan Michael C. Yap; Jo-Hannah S. Llamas; John Q. Wong; Joshua Gregor A. Dizon; Juan Antonio R. Magalang; Karol Sophia Agape R. Padilla; Kenneth M. Kim; Kris P. Punayan; Marc Edsel C. Ayes; Marc Jerrone R. Castro; Maria Rosario Singh-Vergeire 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. Araiza
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; Lacbawan, 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. Lacbawan; I. A. Shlyakhter; 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	RezusLT	National Public Health Surveillance Laboratory	Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaits; Migle Gabrielaite; Svajune Muralyte
EPI_ISL_779409	Royal Darwin Hospital Pathology	MDU-PHL	Caly L.; Druce J.; M.L.; Meumann, E.; N.L.; Sait; Seemann T.; Sherry
EPI_ISL_2289616	SELARL 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,	SELARL 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_1623586				
EPI_ISL_1241728	SYNLAB	GIGA Medical Genomics		Bouchra Boujemla; Cécile Meex; Keith Durkin; Maria Artesi; Marie-Pierre Hayette; Nathalie Renotte; Pierrette Melin; Raphaël Boreux; Sébastien Bontems; Vincent Bours
EPI_ISL_1823201, EPI_ISL_2428545	SYNLAB Lietuva UAB	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine		Daniel Naumovas; Dovile Ezerskyte; Gytis Dudas; Ingrida Olendraite; Laimonas Griskevicius; Ligita Raugaite; Mindaugas Stoksus; Monika Katenaite; Rimvydas Norvilas
EPI_ISL_2469565	SYNLAB MVZ Leinfelden-Echterdingen	Robert Koch Institute		
EPI_ISL_1214521	SYNLAB MVZ Leverkusen	Robert Koch Institute		
EPI_ISL_1284252, EPI_ISL_2118288, EPI_ISL_2124462	SYNLAB MVZ Trier	Robert Koch Institute		
EPI_ISL_1845707, EPI_ISL_1852817	SYNLAB MVZ Weiden	Robert Koch Institute		
EPI_ISL_749906	Sanatorio Americano	Institut Pasteur de Montevideo	Ana Carolina Mendonça; Andrés Lizasoain; Camila Simoes; Cecilia Alonso; Cecilia Salazar; Daiana Mir; Fernando López-Tort; Fernando Motta; Gonzalo Bello; Igor Arantes; Ignacio Ferrés; Jose Sotelo; Leticia Maya; Leticia Garay Martins; Luciana Appolinario; Lucía Spangenberg; Mailen Arleo; Mariana Brandes; Marilda Mendonça Siqueira; Marilda Tereza Mar da Rosa; Maria José Benitez-Galeano; Martín Graña; Matias Castells; Matias Salvo; Natalia Rego; Natalia Reyes; Pablo Smircich; Paola Cristina Resende; Rodney Colina; Tamara Fernandez-Caleiro; Tania Possi; Tatiana Schäffer Gregalinini; Verónica Noya; Yasser Vega	
EPI_ISL_1468846	Sharp HealthCare Laboratory	Andersen lab at Scripps Research		Art Mendoza; Cathy Woerle; Jacquelyn Berumen; Liam McGinnis; Omid Bakhtar; SEARCH Alliance San Diego with Aaron Harding
EPI_ISL_1533610	Shiraz University	Shiraz University		Abozar Ghorbani; Ebrahim Eftekhar; Hakimeh Ahmadi; Hamed Goukiani
EPI_ISL_583896	Singapore General Hospital	Department of Microbiology		Chenhao Li; Karrie Ko; Kenneth Xin Long Chan; Kern Rei Chng; Kian Sing Chan; Kun Lee Lim; Lynette Oon; Niranjan Nagarajan; Nurdyana Abdul Rahman; Sui Sin Goh
EPI_ISL_1844130, EPI_ISL_1844259	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute		
EPI_ISL_1363477	Sonora Quest Laboratories	TGen North		Ashlyn Pfeiffer; Chris French; Darrin Lemmer; Dave Engelthaler; Hayley Yaglom; Heather Centner; Jolene Bowers; The Arizona COVID Genomics Union (ACGU)
EPI_ISL_455077	South Eastern Area Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research; Westmead Hospital; University of Sydney		CIDM-PH et al.
EPI_ISL_740868	South Eastern Area Laboratory Services (SEALS)	NSW Health Pathology - Institute of Clinical Pathology and Medical Research; Westmead Hospital; University of Sydney		CIDM-PH et al.
EPI_ISL_1292663	State Laboratories Division, Hawaii State Department of Health	State Laboratories Division, Hawaii State Department of Health		Ayana Garnet; Drew Kuwazaki; Edward Desmond; Pamela O'Brien; Razvan Sultana
EPI_ISL_1417511, EPI_ISL_2210205	Swedish national genomic surveillance program of SARS-CoV-2	The Public Health Agency of Sweden		Alma Brolund; Maria Lind Karlberg; Maximilian Riess; Swedish national genomic surveillance program of SARS-CoV-2
EPI_ISL_1988255, EPI_ISL_1988263, EPI_ISL_1988286, EPI_ISL_1988288, EPI_ISL_1988300, EPI_ISL_1988301, EPI_ISL_1988308, EPI_ISL_1988328, EPI_ISL_1988341, EPI_ISL_1988395, EPI_ISL_1988437, EPI_ISL_1988462, EPI_ISL_1988503, EPI_ISL_1988508, EPI_ISL_1988519, EPI_ISL_1988562, EPI_ISL_1988611, EPI_ISL_1988621, EPI_ISL_1988631, EPI_ISL_1988640	see above	see above		see above
	see above	see above		see above
EPI_ISL_1566470, EPI_ISL_1566566, EPI_ISL_1568272	Synlab Haut de France	UMR 8199/1283 EGID		Derhourhi Mehdi
EPI_ISL_1566470, EPI_ISL_1566566, EPI_ISL_1568272	Synlab MVZ Augsburg	Robert Koch Institute		
EPI_ISL_1591299	Teaching Institute for Public Health of Split-Dalmatia County	Croatian Institute of Public Health		Irena Tabain; Ivana Ferenčak
EPI_ISL_2694568	UAB "Baltic Medics"	National Public Health Surveillance Laboratory		Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte
EPI_ISL_2497502, EPI_ISL_2497505, EPI_ISL_2497531, EPI_ISL_2497538, EPI_ISL_2625912, EPI_ISL_2625924, EPI_ISL_2644773	see above	see above		see above
	see above	see above		see above
EPI_ISL_2334905, EPI_ISL_2334906, EPI_ISL_2509532, EPI_ISL_2693984, EPI_ISL_2694022, EPI_ISL_2694542, EPI_ISL_2694563, EPI_ISL_2694564, EPI_ISL_2694565, EPI_ISL_2694575	see above	see above		see above
	see above	see above		see above
EPI_ISL_2428700, EPI_ISL_2428929	UAB "Rezus.lt"	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_1756769	UAB Anteja Diagnostics Laboratory	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine		Daniel Naumovas; Dovile Ezerskyte; Gytis Dudas; Ingrida Olendraite; Laimonas Griskevicius; Ligita Raugaite; Mindaugas Stoksus; Monika Katenaite; Rimvydas Norvilas
EPI_ISL_2625891, EPI_ISL_2625892, EPI_ISL_2644782, EPI_ISL_2644798	UAB Diagnostikos laboratorija	Institute of Biotechnology, Life Sciences Center, Vilnius University		Albertas Timinskas; Alma Gedvilaite; Danguole Ziogiene; Emilija Vasiliunaite; Emilija Vasiliunaite__Milda Norkiene__Danguole Ziogiene__Albertas Timinskas__Alma Gedvilaite; Milda Norkiene
EPI_ISL_2334187, EPI_ISL_2509571, EPI_ISL_2614788	UAB Diagnostikos laboratorija	National Public Health Surveillance Laboratory		Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte
EPI_ISL_2428683	UAB Diagnostikos laboratorija	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_2334588, EPI_ISL_2334661, EPI_ISL_2428387, EPI_ISL_2509802, EPI_ISL_2694106, EPI_ISL_2694578	UAB InMedica	National Public Health Surveillance Laboratory		Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte
EPI_ISL_1756904, EPI_ISL_1823197, EPI_ISL_1823198, EPI_ISL_1823199, EPI_ISL_1969180, EPI_ISL_2428633	UAB InMedica	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine		Daniel Naumovas; Dovile Ezerskyte; Gytis Dudas; Ingrida Olendraite; Laimonas Griskevicius; Ligita Raugaite; Mindaugas Stoksus; Monika Katenaite; Rimvydas Norvilas
EPI_ISL_2625896, EPI_ISL_2625898, EPI_ISL_2625903, EPI_ISL_2625906, EPI_ISL_2625909, EPI_ISL_2625911, EPI_ISL_2625922, EPI_ISL_2644783, EPI_ISL_2644793, EPI_ISL_2644818	see above	see above		see above
	see above	see above		see above
EPI_ISL_1576950, EPI_ISL_2006715, EPI_ISL_2227185, EPI_ISL_2428501, EPI_ISL_2497851, EPI_ISL_2497856, EPI_ISL_2497860, EPI_ISL_2497863	see above	see above		see above
	see above	see above		see above
EPI_ISL_2509666, EPI_ISL_2509872, EPI_ISL_2694566, EPI_ISL_2694570, EPI_ISL_2694571, EPI_ISL_2694572, EPI_ISL_2694577	see above	see above		see above
	see above	see above		see above
EPI_ISL_2448513	UAB Medicina pratica laboratorija	National Public Health Surveillance Laboratory		Ana Steponkiene; Danas Baksa; Jelena Razmuk; Lukas Vasionis; Lukas Zemaitis; Migle Gabrielaite; Svajune Muralyte
EPI_ISL_1490697	ULSS 1 Dolomiti	Istituto Zooprofilattico Sperimentale delle Venezie		Adelaide Milani; Alessia Schivo; Alice Fusaro; Ambra Pastori; Annalisa Salviato; Antonia Ricci; Calogero Terregino; Edoardo Giussani; Elisa Palumbo; Erika Giorgia Quaranta;

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 Bontems; 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-Chimfwembe; 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 Chittaganpitch; Pakorn Piromtong; Pilailuk Okada; Siripaporn Phuyung; Sittiporn Parmmen; Sunthareeya Waicharoen; Thanutsapa Thanadachakul; Warawan Wongboot	
EPI_ISL_1960617	Viesoji istaiga Klaipėdos universitetinė ligoninė	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 Respublikinė Siaulių ligoninė	Institute of Biotechnology, Life Sciences Center, Vilnius University	Albertas Timinskas; Alma Gedvilaite; Danguole Ziogiene; Emilija Vasiliunaite; Milda Norkiene	
EPI_ISL_2615051, EPI_ISL_2694039, EPI_ISL_2694040, EPI_ISL_2694071, EPI_ISL_2694533, EPI_ISL_2694573	Viesoji istaiga Respublikinė Siaulių ligoninė	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 ligoninė Santaros klinikos	Institute of Biotechnology, Life Sciences Center, Vilnius University	Emilija Vasiliunaite__ Milda Norkiene__ Danguole Ziogiene__ Albertas Timinskas__ Alma Gedvilaite	
EPI_ISL_2428226, EPI_ISL_2428316, EPI_ISL_2428383, EPI_ISL_2615175	Viesoji istaiga Vilniaus universiteto ligoninė 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 ligoninė 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 Vasiliunaite; 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 Vasiliunaite; 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; Andreia Cabral de Gouvea; Catharine Aquino; Chaoran Chen; Christiane Beckmann; Christoph Noppen; David Dreifuss; Deborah Penet; Doris Popovic; Emmanouil Dermitzakis; Griffin White; Henri Pegeot; Ioannis Xenarios; Ivan Topolsky; Jay Tracy; Katharina Jahn; Keith Harshman; Lara Fuhrmann; Laura Neff; Lennart Opitz; Lorenzo Cerutti; Maria Domenica Moccia; Maurice Redondo; Niko Beerenwinkel; 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 Zürich	Chaoran Chen; Christian Beisel; Christiane Beckmann; Christoph Noppen; David Dreifuss; Deborah Penet; Elodie Burcklen; Emmanouil Dermitzakis; Henri Pegeot; Ina Nissen; Ioannis Xenarios; Ivan Topolsky; Katharina Jahn; Keith Harshman; Lara Fuhrmann; Lorenzo Cerutti; Maurice Redondo; Mirjam Feldkamp; Natascha Santacroce; Niko Beerenwinkel; 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_1758089, 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_1762087, EPI_ISL_1762088, 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 Tamfum; Josh Quick; Kristian Andersen; Matthias Pauthner; Michael Wiley; Nick Loman; Placide Mbala-Kingebeni; Steve Ahuka-Mundeke; Trevor Bedford
EPI_ISL_918371	Virology Unit, Institut Pasteur du Cambodge	Virology Unit, Institut Pasteur du Cambodge	Chau Darapeak; Chin Savuth; Erik A Karlsson; Etienne Simon-Loriere; Kraing Sidonn; Ly Sovann; Sokhoun Yann; Veasna Duong; Yi Sengdoeurn	
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 Lioznov; Elena Nabieva; Georgii Bazykin; Ksenia Safina; 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. Vickos
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. Vickos
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 Abass; Aisha Mohammed; Benjamin Demah Nuertey; Collins M. Morang'a; Dam Kenneth Mibut; Dominic S.Y. Amuzu; Emmanuella Amoako4; Evelyn B. Quansah; Frederick Kumi-Ansah; Frederick Tei-Maya; Gordon A Awandare; Joyce M. Ngoi; Kesego Tapela; Lucas N. Amenga-Etego; Nelson Kibinge; Oliver D Boakye5; Peter K Quashie; Philip M. Soglo; Samirah Said; Samuel Kaba Akoriyea; Theophilus Odoom; Vanessa Magnussen; Vincent Appiah; Yaw Bediako	
EPI_ISL_1967489	Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Ashley Norberg; Brian Dominguez; Brittany Oher; Cari Sloma; Channing Weber; Chayse Rowley; Elliot Thomasson; Jim Mildenberger; Marley Goetz; Sam Britz; Taylor Fearing; and Rob Christensen	
EPI_ISL_1565237	amedes MVZ Hannover	Robert Koch Institute		
EPI_ISL_2421124, EPI_ISL_2562034	cerballiance-IDF	Cerba lab	Aude Lessenne; Bénédicte Roquebert; Emmanuel Lecorche; Kader Merah; Laura Verdurme; Patrice Herisson; Sabine Trombert-Paolantoni; Stéphanie Haïm-Boukobza; Thierry Collin	
EPI_ISL_2600376	cerballiance-centre val de loire	Cerba lab	Aude Lessenne; Bénédicte Roquebert; Emmanuel Lecorche; Kader Merah; Laura Verdurme; Patrice Herisson; Sabine Trombert-Paolantoni; Stéphanie Haïm-Boukobza; Thierry Collin	
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