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

Authors are sorted alphabetically.

EPI\_ISL\_738131, EPI\_ISL\_738132

EPI\_ISL\_755642, EPI\_ISL\_755651

EPI\_ISL\_755649

EPI\_ISL\_735400

EPI\_ISL\_739671, EPI\_ISL\_739672, EPI\_ISL\_739675, EPI\_ISL\_739680

IZSM-U.O.C. Virologia

Instituto Adolfo Lutz - Central

Instituto Adolfo Lutz - Regional de Santo Andre

Instituto Adolfo Lutz - Regional de Santos

Instituto Nacional de Salud, Bogotá, Colombia

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Accession ID	Originating Laboratory	Submitting Laboratory	Authors			
EPI_ISL_775551, EPI_ISL_775562	ABC	The Public Health Agency of Sweden	Department of Microbiology; The Public Health Agency of Sweden			
EPI_ISL_738665, EPI_ISL_738775, EPI_ISL_739426, EPI_ISL_739619	Alameda County Public Health Lab	Chan-Zuckerberg Biohub	CZB Cliahub Consortium			
EPI_ISL_767667	BIO-REFERENCE LABORATORIES	Wadsworth Center, New York State Department.of Health	Alexis Russel; Daryl M. Lamson; Erasmus Schneider; Erica Lasek-Nesselquist; John Kelly; Jonathan Plitnick; Kirsten St. George; Matthew Shudt; Melissa A Leisner; Navjot Singh; Sara Griesemer			
EPI_ISL_766645	Barnakuten	The Public Health Agency of Sweden	Department of Microbiology; The Public Health Agency of Sweden			
EPI_ISL_745169	Bishop Lavis CDC wc BLP	National Health Laboratory Service (NHLS), Tygerberg	Bronwyn Kleinhans; Eduan Wilkindon; Gert van Zyl; Houriiyah Tegally; Kayla Delaney; Susan Engelbrecht; Tulio de Oliveira; Wolfgang Preiser			
EPI_ISL_751468, EPI_ISL_751471	CHU Purpan - Laboratoire de Virologie - Institut Fédératif de Biologie	CHU Purpan - Laboratoire de Virologie - Institut Fédératif de Biologie	Boyer P.; Carcenac R.; Dubois M.; Harter A.; Izopet J.; Latour J.; Ranger N.; Tremeaux P.			
EPI_ISL_745308, EPI_ISL_745339, EPI_ISL_745345, EPI_ISL_745348, EPI_ISL_745367, EPI_ISL_7453670, EPI_ISL_745378, EPI_ISL_74537						
see above	CNR Virus des Infections Respiratoires - France SUD	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal; Bruno Lina; Claudia Gonzalez; Gregory Destras; Gwendolyne Burfin; Laurence Josset; Martine Valette; Quentin Semanas			
EPI_ISL_755040, EPI_ISL_755076	California Department of Public Health	California Department of Public Health	CDPH IDLB COVIDNet			
EPI_ISL_735423	Centro de Vigilancia a Saude de Diadema	Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory	Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos			
			927, EPI_ISL_753944, EPI_ISL_753946, EPI_ISL_753952, EPI_ISL_753987, EPI_ISL_754189			
see above	Charité Universitätsmedizin Berlin, Institut für Virologie/Labor Berlin	Charité Universitätsmedizin Berlin, Institut für Virologie	Barbara Mühlemann; Christian Drosten; Julia Schneider; Jörn Beheim-Schwarzbach; Talitha Veith; Terry Jones; Victor M Corman			
EPI_ISL_768737	Child Health Research Foundation	Child Health Research Foundation	Afroza Akter Tanni; Arif Mohammad Tanmoy; Md Hafizur Rahman; Roly Malaker; Samir K Saha; Senjuti Saha; Sharmistha Goswami; Syed Muktadir Al Sium			
EPI_ISL_747194	Clinical Microbiology Laboratory, Faculty of Medicine, Universitas Indonesia	Clinical Microbiology Laboratory, Faculty of Medicine, Universitas Indonesia	Andi Yasmon; Anis Karuniawati; Augustine Natasha; Fera Ibrahim; Fithriyah; Pratiwi Sudarmono; Yulia Rosa Saharman			
EPI_ISL_753270, EPI_ISL_753287, EPI_ISL_753342, EPI_ISL_753345, EPI_ISL_753430, EPI_ISL_753430, EPI_ISL_753540, EPI_ISL_753540, EPI_ISL_753662, EPI_ISL_753672						
see above	Clinical virology Laboratory, Children's Hospital Los Angeles	Center for Personalized Medicine, Children's Hospital Los Angeles	Gai et al			
EPI_ISL_771252, EPI_ISL_771292, EPI_ISL_771315, EPI_ISL_771335, EPI_ISL_771337, EPI_ISL_771342	Colorado Department of Public Health and Environment	Colorado Department of Puplic Health and Environment	Diana Ir; Emily A. Travanty; Laura Bankers; Molly C. Hetherington-Rauth; Sarah Elizabeth Totten; Shannon Ely; Shannon R. Matzinger			
EPI_ISL_766992, EPI_ISL_766995, EPI_ISL_767006	Delaware Public Health Laboratory	Delaware Public Health Laboratory	Gregory Hovan			
EPI_ISL_737341, EPI_ISL_737386	Department of Clinical Microbiology	GIGA Medical Genomics	Bouchra Boujemla; Cécile Meex; Keith Durkin; Maria Artesi; Marie-Pierre Hayette; Pierrette Melin; Raphaël Boreux; Sébastien Bontems; Vincent Bours			
EPI_ISL_748185, EPI_ISL_749328, EPI_ISL_749554, EPI_ISL_757559, EPI_ISL_758622, EPI_ISL_759199	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Albertsen Lab, Department of Chemistry and Bioscience, Aalborg University, Denmark	Danish Covid-19 Genome Consortium			
EPI_ISL_774874, EPI_ISL_774918, EPI_	ISL_774937, EPI_ISL_774941, EPI_ISL_774954, EPI_ISL_774959, EPI_ISL_774977	, EPI_ISL_774978, EPI_ISL_775001				
see above	Designated Reference Institute for Chemical Measurements (DRICM)	DNA SOLUTION LTD.	Abdul Khaleque; Abu Sufian; Hasan Ul Haider; Jannatun Naima; Kazi Nadim Hasan; MSM Chowdhury; Mala Khan; Mamudul Hasan Razu; Md. Imran Khan; Mizanur Rahman; Mohammad Fazle Alam Rabbi			
EPI_ISL_754241	Dinkes Tasikmalaya	"School of Life Sciences and Technology & School of Pharmacy-Institut Teknologi Bandung; Molecular Genetics Laboratory-Faculty of Medicine- Universitas Padjadjaran; Laboratorium Kesehatan Provinsi Jawa Barat"	Agung Eru Wibowo; Azzania Fibriani; Catur Riani; Cut Nur Cinthia Alamanda; Ema Rahmawati; Hammam Riza; Hesti Lina Wiraswati; Husna Nugrahapraja; Irvan Faizal; Karimatu Khoirunnisa; Lia Faridah; Marselina Irasonia Tan; Miftahul Faridl; Rifky Waluyajati Rachman; Ryan Bayusantika Ristandi; Savira Ekawardhani; Soni Solistia Wirawan; Tarwadi; Yunia Sribudiani			
EPI_ISL_745113	Dr Ivan Toms Clinic wc IVT	National Health Laboratory Service (NHLS), Tygerberg	Bronwyn Kleinhans; Eduan Wilkindon; Gert van Zyl; Houriiyah Tegally; Kayla Delaney; Susan Engelbrecht; Tulio de Oliveira; Wolfgang Preiser			
EPI_ISL_763126, EPI_ISL_763130, EPI_	ISL_763136, EPI_ISL_763142, EPI_ISL_763165, EPI_ISL_763167, EPI_ISL_763179	, EPI_ISL_763209, EPI_ISL_763229, EPI_ISL_763292, EPI_ISL_763359				
see above	Dutch COVID-19 response team	Erasmus Medical Center	Anne van der Linden; Annemiek van der Eijk; Bas Oude Munnink; Corine GeurtsvanKessel; David Nieuwenhuijse; Emmanuelle Munger; Irina Chestakova; Marion Koopmans; Marjan Boter; Reina Sikkema; Richard Molenkamp; on behalf of the Dutch national COVID-19 response team.			
EPI_ISL_770826	Eastern Ontario Regional Laboratory Association	McMaster University	Ahmed Draia; Andrew G. McArthur; Emily Panousis; Hooman Derakhshani; Jalees Nasir; Leanne Mortimer; Robert Slinger			
EPI_ISL_754759	Emory Molecular Diagnostics Laboratory, Emory Healthcare	Piantadosi Lab, Emory Department of Pathology	Ahmed Babiker; Anne Piantadosi			
EPI_ISL_770813	Essentia Health-St. Mary's Medical Center	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz; Jacob Garfin; Matt Plumb; and Xiong Wang			
EPI_ISL_747243	General Hospital Laboratory	Pathogen Laboratory (BSL3), Biomedical Innovation Department, Experimental and Applied Biology Division, Scientific Research Center and High Education from Ensenada (CICESE)	Cervantes-Luevano K.; Galindo C. and Licea-Navarro A.; Martinez M.A.; Saavedra-Flores A.			
EPI_ISL_746484, EPI_ISL_746494, EPI_ EPI_ISL_746783, EPI_ISL_746788, EPI_	ISL_746790, EPI_ISL_746799, EPI_ISL_746805, EPI_ISL_746808, EPI_ISL_746824		642, EPI_ISL_746645, EPI_ISL_746648, EPI_ISL_746669, EPI_ISL_746674, EPI_ISL_746687, EPI_ISL_746694, EPI_ISL_746702, EPI_ISL_746704, EPI_ISL_746707, EPI_ISL_746716, EPI_ISL_746776, EPI_ISL_746777,			
see above 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; Loredana Arata; Patricia Bustos; Rodrigo Fasce						
		, EPI_ISL_735351, EPI_ISL_735352, EPI_ISL_735362, EPI_ISL_735366, EPI_ISL_735				
see above	Genomic Laboratory (GLAB) (Conjoint lab of Health Directorate of Istanbul and Istanbul Technical University)	Genomic Laboratory (GLAB), Istanbul Technical University	Arzu Irvem; Ayse Serra Ozel; Betsi Kose; Gizem Alkurt; Gizem Dinler Doganay; Ilker Karacan; Jale Yildiz; Levent Doganay; Mehtap Aydin; Nihat Bugra Agaoglu; Nilsun Altunal; Nisan Denizce Can; Ozlem Akgun Dogan; Payam Zolfagharian; Tugba Kizilboga Akgun; Yasemin Kendir Demirkol			
		, EPI_ISL_745776, EPI_ISL_745796, EPI_ISL_745824, EPI_ISL_745954, EPI_ISL_745  Utah Public Health Laboratory	974, EP, ISL 746099, EP, ISL 746135, EP, ISL 746175, EP, ISL 746277			
see above	Ginkgo Bioworks Clinical Laboratory	Otan Public Health Laboratory	Alex Plocik; Becky Schilling; Birgitte Simen; David R. Hillyard; E. Susan Slechta; Erin L. Young; James McGann; Jeffrey B. Stevenson; Jim Griffin; Keith Robison; Kelly Oakeson; Malaika McKenzie-Bennett;  Martha Pierson; Melanie A. Mallory; Michael T. Pyne; Michelle Spencer; Rebecca Littlefield; Salika M. Shakir; Tara Gallagher			
EPI_ISL_738113	H Dr Nelio Mendonca - Funchal	Instituto Nacional de Saude (INSA)	Borges et al			
EPI_ISL_733342, EPI_ISL_733397, EPI_ISL_733423, EPI_ISL_733431	HELIX LLC	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			
EPI_ISL_766591	Halsomedicinskt Center	The Public Health Agency of Sweden	Department of Microbiology; The Public Health Agency of Sweden			
EPI_ISL_755617	Helix/Illumina	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Alexandre Bolze; Ary Ascencio; Brad Sickler; Charlotte Rivera-Garcia; Christine Tran; Clinton R. Paden; David Becker; Dhwani Batra; Duncan MacCannell; Efren Sandoval; Eileen de Feo; Elizabeth Cirulli; Eric Allen; Geraint Levan; James Lu; Jan Antico; Jason Nguyen; Jimmy Ramirez; Jingtao Liu; Kelly Schiabor Barrett; Kim Gietzen; Magnus Isaksson; Marc Laurent; Matthew Tolentino; Nicole L. Washington; Peter W. Cook; Phil Febbo; Ryan Cho; Shannon Wickline; Sherry Wang; Simon White; Summer Galloway; Suxiang Tong; Tyler Cassens; William Lee			
EPI_ISL_770794	Hennepin County Medical Center	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz; Jacob Garfin; Matt Plumb; and Xiong Wang			
EPI_ISL_738852, EPI_ISL_738879, EPI_ISL_739126, EPI_ISL_739155	Humboldt County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Cliahub Consortium			
EPI_ISL_751721	IA State Hygienic Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Anna Montmayeur; Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Justin Lee; Krista Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao			
EPI_ISL_751618	ID Bureau of Laboratories	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Anna Montmayeur; Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Justin Lee; Krista Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao			
EPI_ISL_775246, EPI_ISL_775261	INT Fondazione Pascale	INT Fondazione Pascale	INT Fondazione Pascale			
EPI_ISL_751324, EPI_ISL_751331, EPI_	ISL_751339, EPI_ISL_751343, EPI_ISL_751368, EPI_ISL_751407, EPI_ISL_751425					
see above	IRCCS Sacro Cuore Don Calabria Hospital, Department of Infectious, Tropical Diseases & Microbiology	University of Verona, Department of Biotechnology	Antonio Mori; Chiara Degli Esposti; Chiara Plubelli; Cristina Beltrami; Elena Pomari; Emanuela Cosentino; Giulia Lopatriello; Luca Marcolungo; Massimo Delledonne; Michela Deiana			

Istituto Zooprofilattico Sperimentale del Mezzogiorno

Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory

Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory

Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory

Instituto Nacional de Salud, Bogotá, Colombia

Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos Carlos Franco-Muñoz; Diego A. Álvarez-Díaz; Diego Andrés Prada; Jonathan Reales; Katherine Laiton-Donato; Magdalena Weisner; Marcela Mercado-Reyes; Martha Lucia Ospina Martinez; Mauricio Pacheco-Montealegre; Sheryl Corchuelo

Giovanna Fusco; Lorena Cardillo; Maurizio Viscardi

Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos

EPI ISL 745037. EPI ISL 745042. EPI IS	SL_745048, EPI_ISL_745053, EPI_ISL_745061, EPI_ISL_745073, EPI_ISL_745079		
see above	Israel Central Virology laboratory	Israel Central Virology laboratory	Efrat Dahan Bucris; Elia Mendelson; Michal Mandelboim; Neta Zuckerman; Oran Erster; Orna Mor
EPI_ISL_736847	Istituto Zooprofilattico Sperimentale del Mezzogiorno	TIGEM	Andrea Ballabio; Anna Manfredi; Antonio Grimaldi; Antonio Limone; Biancamaria Pierri; Chiara Colantuono; Davide Cacchiarelli.; Denise Di Concilio; Francesco Panariello; Lucio Di Filippo; Marcello Salvi; Maria Concetta Cuomo; Patrizia Annunziata; Pellegrino Cerino; Valentina Bouche
EPI_ISL_751707	KS Health and Environmental Laboratories	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Anna Montmayeur; Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Justin Lee; Krista Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao
EPI_ISL_766621, EPI_ISL_766711, EPI_ISL_766727, EPI_ISL_766728, EPI_ISL_766729, EPI_ISL_775588	Klinisk mikrobiologi	The Public Health Agency of Sweden	Department of Microbiology; The Public Health Agency of Sweden
EPI_ISL_766631, EPI_ISL_766632, EPI_ISL_775542	Klinisk mikrobiologi, Viruslab	The Public Health Agency of Sweden	Department of Microbiology; The Public Health Agency of Sweden
EPI_ISL_768340, EPI_ISL_768456, EPI_IS	SL_768463, EPI_ISL_768477, EPI_ISL_768488, EPI_ISL_768489, EPI_ISL_768509		
see above	LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center	Andrew D. Yurochko; Camille F. Abshire; Christopher G. Kevil; Daniel J. Snyder; Jennifer L. Carroll; Jeremy P. Kamil; John A. Vanchiere; Maarten Van Diest; Martin J. Sapp; Rona S. Scott; Vaughn S. Cooper
EPI_ISL_745203	Lab voor klinische biologie	Onderzoeksgroep Virologie	Bruno Verhasselt; Hans Nauwynck; Laurens Lambrechts; Linos Vandekerckhove; Marthe Pauwels; Nick Vereecke; Sebastiaan Theuns
EPI_ISL_775596 EPI_ISL_754144	Lab. Biologi Molekular FKIK Unwar, Bali Laboratoire de Microbiologie	National Institute of Health Research and Development  National Reference Center for Viruses of Respiratory Infections, Institut  Pasteur, Paris	AA; Dewi; HA; HD; Ikawati; KD; KNA; N; Nugraha; Pangesti; Pawestri; Puspa; Puspandari; SR; Setiawaty; Soekarso; Subangkit; T; V  Angela Brisebarre; Camille Capel; Etienne Simon-Lorière; Marie-Sarah Fangous; Marion Barbet; Maud Vanpeene; Méline Bizard; Sylvie Behillil; Sylvie van der Werf; Vincent Enouf
EPI_ISL_754846	Laboratoire de Virologie Hôpital Robert Debré	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur. Paris	Andreoletti Laurent; Angela Brisebarre; Camille Capel; Etienne Simon-Lorière; Marion Barbet; Maud Vanpeene; Méline Bizard; Sylvie Behillil; Sylvie van der Werf; Vincent Enouf
EPI_ISL_770566, EPI_ISL_770609	Laboratório de Microbiologia Molecular - Universidade FEEVALE	Bioinformatics Laboratory / LNCC	Alana Witt Hansen; Alessandra Pavan Lamarca da Silva; Alexandra L Gerber; Ana Karolina Eisen Antunes; Ana Luiza Ziulkoski; Ana Paula de C Guimarães; Ana Tereza R de Vasconcelos; Bruna Hermann; Fagner Henrique Heldt; Felipe Benites; Fernando Rosado Spiiki; Juliana Schons; Juliane Deise Fleck; Karoline Schallenberger; Larissa Mallmann; Luiz G P de Almeida; Matheus Nunes Weber; Meriane
EPI_ISL_738322, EPI_ISL_738334, EPI_ISL_738335, EPI_ISL_738347	Landstuhl Regional Medical Center	United States Air Force School of Aerospace Medicine	Demoliner; Paula Rodrigues de Almeida; Ronaldo da Silva F Jr; Vyctoria Goes Amanda Javorina; Anthony Fries; Clarise Starr; Cole Anderson; Elizabeth Macias; Fritz Castillo; Jennifer Meyer; Sarah Purves; William Gruner
EPI_ISL_736106, EPI_ISL_760419, EPI_ISL_762919	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; lan Johnston; Jacquelyn Wynn; 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_733906, EPI_ISL_761955	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; 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_736325, EPI_ISL_760379, EPI_ISL_760493, EPI_ISL_761331	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; John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team; Roberto Amato; Sonia Goncalves; Yumi Kasai
EPI_ISL_735620, EPI_ISL_736219, EPI_ISL_756828, EPI_ISL_760975	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; 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
EPI_ISL_751191	Limmattal Hospital	Institute of Medical Virology, University of Zurich	Alexandra Trkola; Gabriela Ziltener; Jürg Böni; Kevin Steiner; Maryam Zaheri; Michael Huber; Roberto Buonomano; Stefan Schmutz; Verena Kufner
EPI_ISL_737257, EPI_ISL_754131 EPI_ISL_751703	Los Angeles County Public Health Laboratories MD DOH Laboratories Administration	Los Angeles County Public Health Laboratories Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	P. Hemarajata et al.  Anna Montmayeur; Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Justin Lee; Krista Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao
EPI_ISL_767636, EPI_ISL_767646, EPI_ISL_767656	MEMORIAL SLOAN KETTERING CANCER CENTER	Wadsworth Center, New York State Department.of Health	Alexis Russel; Daryl M. Lamson; Erasmus Schneider; Erica Lasek-Nesselquist; John Kelly; Jonathan Plitnick; Kirsten St. George; Matthew Shudt; Melissa A Leisner; Navjot Singh; Sara Griesemer
EPI_ISL_751635	MO State Public Health Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Anna Montmayeur; Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Justin Lee; Krista Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao
EPI_ISL_765493	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department.of Health	Alexis Russel; Daryl M. Lamson; Erasmus Schneider; Erica Lasek-Nesselquist; John Kelly; Jonathan Plitnick; Kirsten St. George; Matthew Shudt; Melissa A Leisner; Navjot Singh; Sara Griesemer
EPI_ISL_751683	MS Public Health Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Anna Montmayeur; Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Justin Lee; Krista Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao
EPI_ISL_739133	Madera County Department of Public Health	Chan-Zuckerberg Biohub	CZB Cliahub Consortium
EPI_ISL_755338, EPI_ISL_755431, EPI_ISL_755434, EPI_ISL_755451, EPI_ISL_755477	Maine Health and Environmental Testing Laboratory	Tewhey Lab, The Jackson Laboratory	Barter, M.; Dewey, H.; H. and Tewhey, R.; Iosue, F.; Lynch, R.; Matluk, N.; Munger
EPI_ISL_734465 EPI_ISL_765645, EPI_ISL_765686, EPI_IS	Masonic Medical Research Institute SL_765730, EPI_ISL_765748, EPI_ISL_765751, EPI_ISL_765783, EPI_ISL_765817	Wadsworth Center, New York State Department.of Health	Alexis Russel; Daryl M. Lamson; Erasmus Schneider; Erica Lasek-Nesselquist; John Kelly; Jonathan Plitnick; Kirsten St. George; Nathan Tucker; Navjot Singh; Ryan D. Pfeiffer; Sara Griesemer
see above	Massachusetts General Hospital	Infectious Disease Program, Broad Institute of Harvard and MIT	A.E.; Adams, G.; Anahtar, M.; B.L.; B.W.; Bauer, M.; Birren; Branda, J.; Carter, A.; Cerrato, F.; Chaluvadi, S.; Chapman; Cusick, C.; D.J.; DeRuff, K.; E. and Sabeti; Flowers, K.; Gallagher, G.; Gladden-Young, A.; Gnirke, A.; Harris, J.; J.E.; K.J.; LaRocque, R.; Lagerborg, K.; Lemieux; Lin; Loreth, C.; MacInnis; Neumann, A.; Normandin, E.; P.C.; Parix; Pierce, V.; Reilly, S.; Rosenberg; Rudy, M.; Ryan, E.; S.B.; Shaw, B.; Siddle; Slater, D.; Smole, S.; Tombrishinch, C.; Turbett, S.
EPI_ISL_737105, EPI_ISL_737118, EPI_ISL_737137, EPI_ISL_737144, EPI_ISL_737282	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM; Riner D; Soehnlen MK
EPI_ISL_770788, EPI_ISL_770791	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz; Jacob Garfin; Matt Plumb; and Xiong Wang
EPI_ISL_754203, EPI_ISL_754209	Molecular diagnostic laboratory of Federal Budget Institution of Science "Central Research Institute of Epidemiology" of The Federal Service on	Group of Genomics and Postgenomic Technologies of Central Research Institute of Epidemilology	Akimkin VG; Dudorova AV; Kaptelova VV; Korneenko EV; Saenko SS; Samoilov AE; Shipulina OY; Speranskaya AS; Tivanova EV
EPI_ISL_736978	Customers' Rights Protection and Human Well-being Surveillance NHLS-IALCH	KRISP, KZN Research Innovation and Sequencing Platform	ChimukangaraB; Giandhari J; Khan S; Lessells R; Mdlalose K; Pillay S; Tegally H; Wilkinson E; York D; de Oliveira T
EPI_ISL_751557	NV State Public Health Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral	Anna Montmayeur; Anna Uehara; Clinton R. Paden; Halbin Wang; Jing Zhang; Justin Lee; Krisa Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao
EPI_ISL_751545	NYSDOH Wadsworth Center, Virology Lab	Diseases, Centers for Disease Control and Prevention Genomics and Discovery, Respiratory Viruses Branch, Division of Viral	Anna Montmayeur; Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Justin Lee; Krista Queen; Mili Sheth; Peter W. Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao
EDI ICI 746020	National lastitute for Infantious Diseases INIMI III. Configuration DCCC	Diseases, Centers for Disease Control and Prevention	A Di Caro; B Bartolini; C.E.M Gruber; E Giombini; F Messina; M Rueca; MR Capobianchi
EPI_ISL_746830 EPI_ISL_757287	National Institute for Infectious Diseases, INMI, "L. Spallanzani" IRCCS National Institute of Health Research and Development	National Institute for Infectious Diseases, IMMI, "L. Spallanzani" IRCCS National Institute of Health Research and Development	A Di Cario; & Bartollini; C.E.M. Glouer; E. Gioribini; r. Messina; n. Kueca; Mc Capobianchi A; AA; Adam; Agustiningsih; F; Febriyani; Febriyanti; HA; HD; Hariastuti; Herman; He, Ikawati; Indalao; J; K; KD; KNA; Kipuw; Kurniawati; M; Muna; Mursinah; N; NI; NK; NL; Nikmah; Nugraha; Nurhadi; Pangesti; Pawestri; Puspa; Puspandari; R; Ramadhany; Rizki; Rukminiati; Setiawaty; Soekarso; Subangkit; Susanti; Susilarini; T; UA; V; Wibowo; Y
EPI_ISL_767721, EPI_ISL_767763 EPI_ISL_751830, EPI_ISL_766888,	National Virus Reference Laboratory  New Mexico Department of Health Scientific Laboratory	Irish Coronavirus Sequencing Consortium - Teagasc Moorepark New Mexico Department of Health Scientific Laboratory	Calum Walsh; Genuity Ireland Anastacia Griego-Fisher; D'eldra Malone; Ellie Johnson
EPI_ISL_766903	SL_738869, EPI_ISL_739028, EPI_ISL_739071, EPI_ISL_739239, EPI_ISL_739353		
see above	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Cliahub Consortium
EPI_ISL_745196	Osmania Medical College	CSIR-Centre for Cellular and Molecular Biology	Archana Bharadwaj Siva; B Himasri; Blessy B John; Divya Tej Sowpati; Dr.P.Shashikala Reddy; Dr.S.Pavani; Dr.Satyaprasad; Dr.V.Sudha Rani; Karthik Bharadwaj Tallapaka; Lamuk Zaveri; M Soujanya Reddy; Namami Gaur; Nikhil Hajirnis; Onkar Kulkarni; Payel Mukherjee; Pratheusa Maccha; Priya Singh; Purushotham Vodnala; Rakesh K Mishra; Sakshi Shambhavi; Shagufta Khan; Sofia Banu; Tulasi Nagabandi; Viswagifte Viswagifte Namama
EPI_ISL_740932, EPI_ISL_741153	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Viswagurie's L  Alex Mobbs; Amy Trebes; Anita Justice; Catrin Moore; Christophe Fraser; David Bonsall; David Buck; Emma Wise; George Macintyre; Jessica Lynch; John Todd; Mariateresa de Cesare; Matilde Mori; Monique  Andersson; Nathan Moore; Nick Cortes; Robert Shaw; Stephen Kidd; Tanya Golubchik; Timothy Peto
EPI_ISL_751209, EPI_ISL_751210, EPI_IS see above	SL_751214, EPI_ISL_751215, EPI_ISL_751217, EPI_ISL_751225, EPI_ISL_751226, Pathogen Genomics Lab King Abdullah University of Science and	, EPI_ISL_751227, EPI_ISL_751228, EPI_ISL_751229, EPI_ISL_751230, EPI_ISL_751 Pathogen Genomics Lab King Abdullah University of Science and	232, EPI_ISL_751233, EPI_ISL_751236  Abdulaziz Alahmadi; Afrah Alsomali; Anwar Hashem; Arnab Pain; Asim Khogeer; Fadwa Alofi; Jumana Taha; Kahled Algithami; Naif Almontashiri; Olga Douvropoulou; Raeece Naeem; Raushan Nugmanova;
EPI_ISL_763066	Technology(KAUST) Puskesmas Grogol, Sukoharjo	Technology(KAUST) Universitas Sebelas Maret (UNS); Rumah Sakit UNS (RS-UNS); National Institute	Sara Mfarrej; Sharif Hala
EPI_ISL_763063	RS Panti Waluyo, Surakarta	of Health Research and Development, Indonesian Ministry of Health.  Universitas Sebelas Maret (UNS); Rumah Sakit UNS (RS-UNS); National Institute of Health Research and Development, Indonesian Ministry of Health	Afif A Ghufron; Arie A Nugraha; Betty Suryawati; Dewi Puspa; Hana A Pawestri; Hartanti Dian Ika; Hartono; Kartika; Maryani; Revi G H Novika; Vivi Setiawaty.; Yulia Sari
		National Institute of Health Research and Development	AA; HA; HD; Ikawati; KD; KNA; N; Nugraha; Pangesti; Pawestri; Puspa; Puspandari; Setiawaty; Soekarso; Subangkit; T; V; Yosepin
EPI_ISL_775597	RS Pertamina Sorong	National institute of Health Research and Development	AA, FIA, FIB, Rawatt, RD, RNA, N, Nagrana, Fangesti, Fawesti, Faspa, Faspandari, Sedawaty, Soekaiso, Sabangkit, F, V, Fosepin
EPI_ISL_775597 EPI_ISL_739355 EPI_ISL_766494	RS Pertamina Sorong Renegade Respiratory Virus Unit, National Infection Service, Public Health England	National institute of realth Research and Development Chan-Zuckerberg Biohub COVID-19 Genomics UK (COG-UK) Consortium	CZB Cliahub Consortium  PHE Covid Sequencing Team

EPI ISL 747063. EPI ISL 747113. Respiratory Viruses Branch, Centers for Disease Control and Prevention Respiratory Viruses Branch, Centers for Disease Control and Prevention C.R.: Cook: Lee. I.: Li, Y.: Marine. R.: Montmayeur. A.: P.W.: Paden: Oueen. K.: Sheth. M.: Tao. Y.: Tong. S.: Uehara. A.: Wang. H. EPI\_ISL\_747134, EPI\_ISL\_747177 EPI ISL 745161 SAS Saldanha VPA National Health Laboratory Service (NHLS), Tygerberg Bronwyn Kleinhans; Eduan Wilkindon; Gert van Zyl; Houriiyah Tegally; Kayla Delaney; Susan Engelbrecht; Tulio de Oliveira; Wolfgang Preiser EPI\_ISL\_733481 SOGAZ PROEMEDICINA LLC Andrey Komissaroy: Anna Ivanova: Artem Fadeey: Daria Danilenko: Dmitry Razbenoy: Dmitry Lioznoy: Elena Nabieya: Georgii Razykin: Ksenia Safina: Ksenia Safin WHO National Influenza Centre Russian Federation EPI ISL 755132. EPI ISL 755284 San Diego County Public Health Laboratory Andersen lab at Scripps Research Brett Austin: Iovan Shephard: SEARCH Alliance San Diego with Tracy Basler EPI\_ISL\_738631, EPI\_ISL\_738643, EPI\_ISL\_739031, EPI\_ISL\_739167, EPI\_ISL\_739509, EPI\_ISL\_739579, EPI\_ISL\_739594, EPI\_ISL\_739605 coo abovo Santa Clara County Public Health Laboratory Chan-Zuckerberg Biohub CZR Cliabub Consortium EPI ISL 752771, EPI ISL 752813, EPI ISL 752821, EPI ISL 752882, EPI ISL 752882, EPI ISL 752918, EPI ISL 752991, EPI ISL 753012, EPI ISL 753030, EPI ISL 753095, EPI ISL 753097, EPI ISL 753152, EPI ISL 753153, EPI ISL 753193, EPI ISL 753220, EPI ISL 753280, EPI ISL 75281 see above State Laboratories Division, Hawaii State Department of Health State Laboratories Division, Hawaii State Department of Health Drew Kuwazaki: Edward Desmond: Pamela O'Brien: Razvan Sultana: Sabrina Diemert FPI ISI 747241 Subang Public Health Office West Java Health Laboratory; School of Life Sciences and Technology, Institut Azzania Fibriani; Cut Nur Cinthia Alamanda; Ema Rahmawati; Isak Solihin; Karimatu Khoirunnisa; Miftahul Faridl; Rifky Waluyajati Rachman; Rini Robiani; Ryan Bayusantika Ristandi Teknologi Bandung Sukabumi Health Laboratory West Java Health Laboratory: School of Life Sciences and Technology, Institut Azzania Fibriani: Cut Nur Cinthia Alamanda: Fma Rahmawati: Isak Solihin: Karimatu Khoirunnisa: Miftahul Faridl: Rifky Waluyajati Rachman: Rini Robiani: Ryan Rayusantika Ristandi FPI ISI 747235 Teknologi Bandung EPI ISL 766652 Texas Department of State Health Services Texas Department of State Health Services Anita Pokharel; Bonnie Oh; Chung Wang; Grace Kubin; James Daniel Bonser; Jenny Zhang; Maliha Rahman; Mayela Pedrueza; Myong Koag; Rachel Lee; Rashmi Tuladhar FPI ISI 766595, FPI ISI 766612 The Public Health Agency of Sweden The Public Health Agency of Sweden Department of Microbiology: The Public Health Agency of Sweden The Republican Research and Practical Center for Epidemiology and FPI ISI 754229 WHO National Influenza Centre Russian Federation Anatoly Krasko: Andrey Komissaroy: Anna Iyanoya: Artem Fadeey: Daria Danilenko: Dmitry Bazhenoy: Dmitry Lioznoy: Flena Gasich: Flena Nabieya: Georgii Bazykin: Kirill Bulda: Ksenia Safina: Kseniya Microbiology (RRPCFM) EPI ISL 755673, EPI ISL 755785, Toronto Invasive Bacterial Diseases Network McMaster University Ahmed Draia; Allison McGeer; Andrew G. McArthur; Angel Li; Emily Panousis; Hooman Derakhshani; Jalees Nasir; Kuganya Nirmalarajah; Michael Surette; Patryk Aftanas; Samira Mubareka FPI ISI 755795 EPI ISL 745184 Tygerberg Hospital wc TBH National Health Laboratory Service (NHLS), Tygerberg Bronwyn Kleinhans; Eduan Wilkindon; Gert van Zyl; Houriiyah Tegally; Kayla Delaney; Susan Engelbrecht; Tulio de Oliveira; Wolfqang Preiser FPI ISI 735422 UBS Dematchi Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory Claudia Regina Goncalves: Claudio Tayares Sacchi: Frica Valessa Ramos Gomes: Karoline Rodrigues Campos EPI\_ISL\_735420 UBS Riacho Grande Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory Claudia Regina Goncalves: Claudio Tavares Sacchi: Frica Valessa Ramos Gomes: Karoline Rodrigues Campos LICLA Clinical Micro Lab Los Angeles County Public Health Laboratories FPI ISI 754112 P. Homaraista et al EPI ISL 755148, EPI ISL 755192, UCSD EXCITE lab Andersen lab at Scripps Research SEARCH Alliance San Diego EPI ISL 747479, EPI ISL 747481 III SS 5 Polesana Istituto Zooprofilattico Sperimentale delle Venezie Adelaide Milani: Alessia Schivo: Alice Fusaro: Ambra Pastori: Annalisa Salviato: Antonia Ricci: Bianca Zecchin: Calogero Terregino: Erika Giorgia Quaranta: Isabella Monne EPI ISL 747474 ULSS9 Distretto di Bussolengo Istituto Zooprofilattico Sperimentale delle Venezie Adelaide Milani: Alessia Schivo: Alice Fusaro: Ambra Pastori: Annalisa Salviato: Antonia Ricci: Bianca Zecchin: Calogero Terregino: Erika Giorgia Quaranta: Isabella Monne EPI\_ISL\_770642, EPI\_ISL\_770655, LIMMC-Health 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; Tatiana Platonova EPI\_ISL\_770656 Los Angeles County Public Health Laboratories EPI ISL 754134 USC Clinical Lab P. Hemarajata et al. EPI ISL 735450, EPI ISL 747218. UW Virology Lab Alexander Greninger: Hong Xie: Keith R Jerome: Lasata Shrestha: Meei-Li Huang: Michelle Lin: Pavitra Roychoudhurv UW Virology Lab EPI\_ISL\_747226, EPI\_ISL\_756207 EPI ISL 734482, EPI ISL 734485, EPI ISL 734485, EPI ISL 734504, EPI ISL 734507, EPI ISL 734508, EPI ISL 734509, EPI ISL 734508, EPI ISL 735035, EPI ISL 735035 EPI\_ISL\_738431, EPI\_ISL\_738434, EPI\_ISL\_738475 see above UZ Leuven, National Reference Laboratory for Coronaviruses, Laboratory KU Leuven, Rega Institute, Clinical and Epidemiological Virology Bert Vanmechelen; Joan Marti-Carerras; Piet Maes; Tony Wawina-Bokalanga Medicine, Leuven, Belgium FPI ISI 775585 Unilabs AB The Public Health Agency of Sweden Department of Microbiology; The Public Health Agency of Sweden EPI ISL 763011, EPI ISL 763039, Unit 17: Influenza & Other Respiratory Viruses, German National Influenza Project group Epidemiology of Highly Pathogenic Microorganisms, Robert Koch-Andreas Sachse; Ariane Düx; Djin-Ye Oh; Fabian Leendertz; Grit Schubert; Marianne Wedde; Ralf Dürrwald; Sébastien Calvignac-Spencer; Thorsten Wolfi FPI ISI 763049 FPI ISI 763061 Institute EPI ISL 775634, EPI ISL 775642, University Medical Center Hamburg Eppendorf Adam Grundhoff: Alexis Robitaille: Johannes Knobloch: Martin Aepfelbacher: Nicole Fischer: Thomas Günther Heinrich Pette Institute, Leibniz Institute for Experimental Virology EPI ISL 775664, EPI ISL 775684 EPI\_ISL\_754629, EPI\_ISL\_754637, University of Wisconsin-Madison AIDS Vaccine Research Laboratories University of Wisconsin-Madison AIDS Vaccine Research Laboratories Gage Moreno: Katarina Braun: et al. AIDS Vaccine Research Laboratories FPI ISI 754651 EPI ISL 746455, EPI ISL 746838, EPI ISL 746865, EPI ISL 746875, EPI ISL 746959, EPI ISL 746996, EPI ISL 747015 see above Utah Public Health Laboratory Utah Public Health Laboratory Erin Young; Kelly Oakeson; Tara Gallagher EPI\_ISL\_766644 Vardcentralen Brinken The Public Health Agency of Sweden Department of Microbiology; The Public Health Agency of Sweden EPI\_ISL\_737414, EPI\_ISL\_737661, EPI\_ISL\_737668, EPI\_ISL\_737849, EPI\_ISL\_737865, EPI\_ISL\_737870, EPI\_ISL\_768033, EPI\_ISL\_768063 Viollier AG Department of Biosystems Science and Engineering, ETH Zürich Andrea Patrignani; Andreia Cabral de Gouvea; Catharine Aguino; Chaoran Chen; Christiane Beckmann; Christoph Noppen; David Dreifuss; Doris Popovic; Griffin White; Ivan Topolsky; Jay Tracy; Katharina see above Jahn; Lara Fuhrmann; Laura Neff; Lennart Opitz; Maria Domenica Moccia; Maurice Redondo; Niko Beerenwinkel; Noemie Santamaria de Souza; Olivier Kobel; Philipp Jablonski; Ralph Schlapbach; Sarah Nadeau: Simon Grüter: Sophie Seidel: Tania Stadler: Timothy Sykes EPI\_ISL\_734196, EPI\_ISL\_734276 Virginia Division of Consolidated Laboratory Services (DCLS) Virginia Division of Consolidated Laboratory Services (DCLS) Virginia DCLS EPI ISL 763548 Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of COVID-19 Genomics UK (COG-UK) Consortium Balcaza C; Colquhoun R; Dewar R; Gallagher M; Hill V; Jackson B; McCrone JT; McHugh M; O'Toole Á; Rambaut A; Rooke S; Scher E; Templeton K; Williams TC; Yu X Biological Sciences, University of Edinburgh / Institute of Genetics and Molecular Medicine, University of Edinburgh Virology Department, Sheffield Teaching Hospitals NHS Foundation COVID-19 Genomics UK (COG-UK) Consortium EPI\_ISL\_742077, EPI\_ISL\_765187 Adri Angyal; Alex Keeley; Benjamin Lindsey; Cariad Evans; Danielle Groves; Dave Partridge; Katie Johnson; Laura Carrilero; Luke Green; Matthew Parker; Matthew Wyles; Mehmet Yavuz; Mohammad Raza; Trust/Department of Infection, Immunity and Cardiovascular Disease, The Nikki Smith: Paul Parsons: Rachel Tucker: Rebecca Brown: Thushan de Silva Medical School, University of Sheffield EPI ISL 770633 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 EPI ISL 734288, EPI ISL 734330, EPI ISL 734330, EPI ISL 734364, EPI ISL 734364, EPI ISL 754496, EPI ISL 754496, EPI ISL 754456, EPI ISL 754456, EPI ISL 754507, EPI ISL 754507, EPI ISL 754509, EPI ISL 754823, EPI ISL 765502, EPI ISL 767509, EPI ISL 767470, EPI ISL 767493, EPI ISL 767512, EPI ISL 767512, EPI ISL 767509

> Alexis Russel: Daryl M. Lamson: Erasmus Schneider: Erica Lasek-Nesselguist: John Kelly: Jonathan Plitnick: Kirsten St. George: Matthew Shudt: Melissa A Leisner: Naviot Singh: Sara Griesemer 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 Conno

Azzania Fibriani: Cut Nur Cinthia Alamanda: Ema Rahmawati: Isak Solihin: Karimatu Khoirunnisa: Miffahul Faridl: Rifky Waluyaiati Rachman: Rini Robiani: Ryan Bayusantika Ristandi Ashley Norberg; Bailey Bowcutt; Channing Weber; Lynette Gumbleton; Noah Hull; Taylor Fearing; and Wanda Manley

Anderson Brito; Chen Liu; Jianhui Wang; Joseph Fauver; Kien Pham; Nathan Grubaugh; Pei Hui; Tara Alpert

EPI ISL 733515, EPI ISL 733519, EPI ISL 733522, EPI ISL 770700, EPI ISL 770709, EPI ISL 770718, EPI ISL 770742, EPI ISL 770749

Wadsworth Center, New York State Department of Health

Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit

West Java Health Laboratory

Wyoming Public Health Laboratory

Yale Pathology Lab

EPI ISL 742461. EPI ISL 742761.

EPI\_ISL\_743659, EPI\_ISL\_765044

FPI ISI 765079 FPI ISI 745033

EPI\_ISL\_754182, EPI\_ISL\_765968

EPI\_ISL\_765971, EPI\_ISL\_765975 FPI ISI 770096, FPI ISI 770486 EPI ISL 752606

> see above ZOTZ KLIMAS MVZ Düsseldorf-Centrum GbR ÜBAG für Labormedizin, Genetik, Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Alexander Dilthey; Andreas Walker, Ashley-Jane Duplessis; Daniel Strelow; Jessica Nicolai; Jörg Timm; Katrin Hoffmann; Klaus Pfeffer; Lisanna Hülse; Malte Kohns Vasconcelos; Marek Korencak; Maximilian Zytologie, Pathologie

Wadsworth Center, New York State Department of Health

COVID-19 Genomics UK (COG-UK) Consortium

West Java Health Laboratory

Wyoming Public Health Laboratory

Grubaugh Lab - Yale School of Public Health

Damagnez: Nadine Lübke: Patrick Finzer: Rainer Zotz: Tobias Wienemann: Torsten Houwaard