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.

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

Authors are sorted alphabetically.

Acknowledgement EPI SET Identifier: EPI SET 20220729vm

Acknowledgement EPI_SET Identifier: EPI_SET_20220729vm				
Accession ID	Originating Laboratory	Submitting Laboratory	Authors	
see above	1.AO Universitaria 'S. Giovanni di Dio e Ruggi D'Aragona, Scuola Medica Salernitana'		136, EP [ISL_935106, EP] ISL_935106, EP [ISL_935106, EP] ISL_935118, EP [ISL_935129, EP] ISL_935135, EP [ISL_935136, EP] ISL_95188, EP [ISL_94192, EP] ISL_954222 Alessandro Weisz; Alessandro Weisz (Corresponding Author); Alessia Cossu; Andreina Baj; Aniello Gentile; Annamaria Salvat; Antonello Saccomanno; Arnolfo Petruzziello; Assunta Sellitto; Carlo Ferravante; Domenico Memoli; Domenico Palumbo; Edmondo Adorisio; Elena Alexandrova; Emilia Vaccaro; Fausto Sessa., Francesca Marciano; Francesca Rizzo (Corresponding Author); Francesco Curcio; Gianluigi Franci; Giorgio Dirani; Giorgio Giurato; Gior	
EPI_ISL_909975, EPI_ISL_909983, EPI_ISL_909994, EPI_ISL_910009, EPI_ISL_910010	A. Krumbholz, Labor Dr. Krause und Kollegen MVZ GmbH, Kiel	Charité Universitätsmedizin Berlin, Institut für Virologie	Barbara Mühlemann; Christian Drosten; Cornelia Schlee; Julia Schneider; Julia Tesch; Jörn Beheim-Schwarzbach; Talitha Veith; Terry Jones; Tobias Bleicker; Tomasz Zemojtel; Víctor M Corman	
EPI_ISL_936048	ADIRONDACK MEDICAL 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	
EPI_ISL_918452 EPI_ISL_905731		Universitas Gadjah Mada (FK-KMK UGM); Disease Investigation Center Wates Ministry of Agriculture Indonesia; Department of Microbiology FK-KMK UGM; Laboratorium Diagnostik Yayasan Tahija World Mosquito Program (WMP) Yogyakarta Center for Tropical Medicine FK-KMK UGM; Integrated Research center FK-KMK UGM; Department of Computer Science and Electronics FMIPA UGM	Aljandro Abner Garcia Leon; Calum Walsh; Flona Crispie; Gabriel Gonzalez; John Kenny; Matthew McCabe; Michael Carr; Patrick Mallon; Paul Cotter Aflahayati; Dwi AA Nugrahaningsih; Dwiki afandy; Dyah Ayu Puspitarani; Edwin W. Daniwijaya; Eggi Arguni; Endah Supriyati; Gunadi; Hendra Wibawa; Kristy Iskandar; Ludhang P. Rizki; Marcellus; Mohamad S. Hakim; Nungki Anggorowati; Siswanto; Titik Nuryastuti; Tri Wibawa	
EPI_ISL_956271	Adi Husada Undaan Hospital	Institute of Tropical Disease, Universitas Airlangga	Aldise M Nastri; Gatot Soegiarto; Irawati Marga; Jezzy R Dewantari; Kazufumi Shimizu; Krisnoadi Rahardjo; Laksmi Wulandari; Maria I Lusida; Mitsuhiro Nishimura; Resti Yudhawati; Retno A Setyoningrum; hima P rasetya; Soetjipto; Yasuko Mori; Yohko K Shimizu	
EPI_ISL_912159	Altius Institute for Biomedical Sciences	Seattle Flu Study	Alex Nguyen; Amanda Adler; Andrew Meuser; Barry R. Lutz; Benjamin Pelle; Caitlin R. Wolf; Chris D. Frazar; Clem Green; Daniel Bates; Deborah A. Nickerson; Elisabeth Brandstetter; Erica Ryke; Hannah Petersen; Helen Y. Chu; Jacob Rodriguez; Janet A. Englund; Jay Shendure; Jessica Halow; John Stamatoyannopoulos; Joshua Richards; Jover Lee; Julia Wald; Kairsten Fay, Kirsten Lacombe; Kneshay Harper; Lea M. Starita; Mark J. Rieder; Matt Hartman, Watthew Richardson; Matthew Thompson; Meissa Truong; Meissa Truong; Melael Boeckh; Michael Famulare; Wisja Icisin; Muhammad Halimur; Olivia Waltner; Peter D. Han; Rebecca Bruders; Ryan Alexander; Sadie Patraw; Sofia Olsson; Stephanie DeBaun; Thomas R. Sibley; Tobias Ragoczy; Trevor Bedford; Truong Nguyen	
EPI_ISL_909958, EPI_ISL_909961	Apollo Hospitals	CSIR-Centre for Cellular and Molecular Biology	Divya Tej Sowpati; Irawathy Goud; Karthik Bharadwaj Tallapaka; Lamuk Zaveri; Onkar Kulkarni; Payel Mukherjee; Sofia Banu; Suneetha Narreddy	
EPI_ISL_930642, EPI_ISL_933540, EPI_ISL_933559, EPI_ISL_933600	Arizona State Public Health Laboratory	Arizona State Public Health Laboratory	Jessica Escobar; Katherine Fullerton; Linda Getsinger; Nobuko Fukushima; Stacy White; Trung Huynh; Victor Waddell	
EPI_ISL_913109	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_954780	COMPLEJO HOSPITALARIO XERAL-CALDE	Instituto de Salud Carlos III	A. Monzón; F. Casas; I. Alonso, P.; I. Jiménez; Iglesias-Caballero; M. Camarero; P. Zaballos; S. Cuesta; S. Pozo; S. Sandonís; S. Varona; V. Vázquez	
			110, EP_ISL_910112, EPI_ISL_910124, EPI_ISL_910124, EPI_ISL_910128, EPI_ISL_910132, EPI_ISL_910134, EPI_ISL_910134, EPI_ISL_910145, EPI_ISL_910166, EPI_ISL_910167, EPI_ISL_910167, EPI_ISL_910262, EPI_ISL_910269, EPI_ISL_910265, EPI_ISL_910267, EPI_ISL_91036, EPI_ISL_91036, EPI_ISL_910312 Archana Bharadwaj Siva; B Himasri; Blessy B John; Divya Tej Sowpati; Karthik Bharadwaj Tallapaka; Lamuk Zaveri; Namami Gaur; Payel Mukherjee; Pratheusa Maccha; Priya Singh; Purushotham Vodnala; Rakesh K Mishra; Sofia Banu; Tulasi Nagabandi; Viswagithe S L	
EPI_ISL_944771, EPI_ISL_944772, EPI_ISL_944773, EPI_ISL_944775	CSIR-Indian Institute of Chemical Biology, MEDICA Supercpecialty Hospital Kolkata	CSIR-Indian Institute of Chemical Biology, MEDICA Supercpecialty Hospital Kolkata	Abhishake Lahiri; Debaleena Bhowmik; Dr. Arpita Ghosh Mitra; Dr. Aviral Roy; Dr. Partha Chakrabarti; Dr. Rajesh Pandey; Dr. Saikat Chakrabarti; Dr. Sandip Paul; Dr. Soumen Saha; Priyanka Mallick; Sujay Krishna Maity	
EPI_ISL_907103, EPI_ISL_907113, EPI_ISL_907116, EPI_ISL_907118	Cancer Biology Department, National Cancer Institute	Cancer Biology Department, National Cancer Institute	A.A.; A.E.; A.N.; Abouelhoda, M.; Ahmed; Bahnassy; Elhosieny; F.W.; Gad; H.K.; Hafez; Hamdy; M.G.; M.M.; M.S.; O.S.; Sedawy; Soliman; Soliman, L.; Zekri	
EPI_ISL_940935, EPI_ISL_940939, EPI_ISL_940945, EPI_ISL_940991	Centers for Disease Control and Prevention, Dengue Branch	Centers for Disease Control and Prevention, Dengue Branch	Betzabel Flores; Gabriela Paz-Bailey; Gilberto A. Santiago; Glenda Gonzalez; Jorge L. Munoz-Jordan; Keyla Charriez	
EPI_ISL_930856, EP	_ISL_930858, EPI_ISL_942896, EPI_ISL_942899, EPI_ISL_943578, EPI_ISL_943579, EPI_ISL	_943580, EPI_ISL_943584, EPI_ISL_943586, EPI_ISL_943595		
see above	Central Laboratory of Public Health of Rio Grande do Sul (Lacen-RS)	State Center for Health Surveillance of the Health Department of the State of Rio Grande do Sul (CEVS/SES-RS)	; Aline Campos; Amanda da Silva; Anelise Schaurich; Barcellos R; Campos A; Claudia Dornelles; Crescente L; Cynthia Molina; Da Silva A; Dornelles C; Fernanda Godinho; Fonseca V; Garay L; Godinho F; Gonzalez A; Gregianini T; Lara Crescente; Leticia Garay; Molina C; Regina Barcellos; Richard Salvato; Salvato R; Schaurich A; Tatiana Gregianini; Vagner Fonseca	
EPI_ISL_923396	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett; Christopher Fearn; Kate Cook; Katie Loveson; Salman Goudarzi; Samuel Robson; Scott Elliott; Sharon Glaysher	
EPI_ISL_941995, EPI_ISL_942004	Centro de Investigaciones en Microbiología y Biotecnología-UR (CIMBIUR), Facultad de Ciencias Naturales, Universidad del Rosario, Bogotá, Colombia	Centro de Investigaciones en Microbiología y Biotecnología-UR (CIMBIUR), Facultad de Ciencias Naturales, Universidad del Rosario, Bogotá, Colombia Instituto Nacional de Salud, Bogotá, Colombia Icahn School of Medicine at Mount Sinai, New York, USA	Adriana van de Guchte; Alberto Paniz-Mondolfi; Ana S. Gonzalez-Reiche; Carolina Flórez; Carolina Hernández; Emilia Mia Sordillo; Hala Alejel Alshammary; Harm van Bakel; Jayeeta Dutta; Juan David Ramifrez; Luz Helena Patiño; Marina Muñoz; Matthew M. Hernandez; Nathalia Ballesteros; Sergio Gomez; Viviana Simon; Zenab Khan	
EPI_ISL_906087	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_911558, EPI_ISL_911721 EPI_ISL_930979, EPI_ISL_9311043, EPI_ISL_931103, EPI_ISL_931175, EPI_ISL_931350, EPI_ISL_931408	Clinical Diagnostics Laboratory, Diagnostic & Experimental Pathology, Lilly Research Laboratories Clinical Virology	Clinical Diagnostics Laboratory, Diagnostic & Experimental Pathology, Lilly Research Laboratories Clinical Bacteriology	Andrew Schade; Angie Fulford; Erin Wray; Jeff Fill; Joe Oakley; John Calley; John McElwee; Leslie ONeill Reising; Mayuri Vaidya; Pat Finnegan; Phil Ebert; Rachael Redmond; Sam McNeely; Tim Holzer Adrian Egli; Alfredo Mari; Hans Hirsch; Helena MB Seth-Smith; Julia Bielicki; Karoline Leuzinger; Madlen Stange; Manuel Battegay; Tim Roloff	
EPI_ISL_955058	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_949195, EPI_ISL_949199, EPI_ISL_949234	Departamento de Microbiología, CDB, Hospital Clínic, Barcelona	SeqCOVID-SPAIN consortium//BV(CSIC)	Aida Peiró and SeqCOVID-SPAIN consortium; Andrea Vergara; Elisa Rubio; Jéssica Navero; Mikel Martínez	
EPI_ISL_907075, EPI_ISL_956332	Department of Biology, University of Basrah	Department of Biology, University of Basrah	A.I.; Abu-Ali; H.F. and Al-Badran; H.M. and Al-Badran; I.F.	
EPI_ISL_925463,	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_925474 EPI_ISL_910332	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy; AOUP Paolo Giaccone, Palermo, Italy	Istituto Superiore di Sanità (ISS)	Alessandra Lo Presti; Angela Di Martino; Carmelo Maida; Daniela Di Naro; Fabio Tramuto; Francesco Vitale; Giulia Randazzo; Manuela Marra; Marco Crescenzi; Maria Carollo; Paola Stefanelli; Stefano Fiore	
EPI_ISL_939667 EPI_ISL_960160,	Division of Infectious Diseases, University Hospital Zürich Dr Abdurahman CDC wc DAC	Institute of Medical Virology, University of Zurich National Health Laboratory Service/UCT	Alexandra Trkola; Annette Audigé; Cyril Shah; Guido Bloemberg; Jon Huder; Jürg Böni; Kevin Steiner; Maria Grünberg; Maryam Zaheri; Michael Huber; Riccarda Capaul; Stefan Schmutz; Verena Kufner Arash Iranzadeh; Bruna Galvao; Carolyn Williamson; Deelan Doolabh; Diana Hardie; Innocent Mudau; Kruger Marais; Lynn Tyers; Marvin Hsiao; Stephen Korsman	
EPI_ISL_960172		·		
EPI_ISL_904421, EPI_ISL_904426,	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_904443			
		L_905272, EPI_ISL_905363, EPI_ISL_905378, EPI_ISL_905618, EPI_ISL_943080, EPI_ISL_943	
see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer; AnneMarie van den Brandt; Bas van der Veer; Chantal Reusken; Dennis Schmitz; Dirk Eggink; Florian Zwagemaker; Harry Vennema; Jeroen Cremer; Sharon van den Brink; on behalf of the national COVID-19 response team
EPI_ISL_934377	Dynamic Code AB	The Public Health Agency of Sweden	Anna Risberg; Anna-Malin Linde; Carlo Berg; Karin Tegmark-Wisell; Maria Lind Karlberg; Mattias Haukland; Mia Brytting; Noura Walai; Oskar Karlsson Lindsjo; Petra Edquist; Petra Holmstrom; Reza Advani;
EPI_ISL_935415, EPI_ISL_935428,	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Jason Blanton; Sarah Schmedes
EPI_ISL_935503 EPI_ISL_960766, EPI_ISL_960777,	Germano de sousa	Instituto Gulbenkian de Ciencia	Cathy Paulino; João Costa; João Sobral; Maria Costa; Ricardo Leite; Susana Ladeiro
EPI_ISL_960803			
EPI_ISL_960109 EPI_ISL_942416,	Groote Schuur Hospital wc GSH Gundersen Clinical Microbiology Laboratory	National Health Laboratory Service/UCT Kabara Cancer Research Institute	Arash Iranzadeh; Bruna Galvao; Carolyn Williamson; Deelan Doolabh; Diana Hardie; Innocent Mudau; Kruger Marais; Lynn Tyers; Marvin Hsiao; Stephen Korsman Craig S. Richmond; Paraic A. Kenny
EPI_ISL_942416, EPI_ISL_942487	Gundersen Clinical Microbiology Laboratory	Kabara Cancer Research Institute	Claig S. Richmond; Paralic A. Neliny
EPI_ISL_942457, EPI	_ISL_942616, EPI_ISL_942640, EPI_ISL_942649, EPI_ISL_942653, EPI_ISL_942704, EPI_ISI	L_942705, EPI_ISL_942782, EPI_ISL_942942, EPI_ISL_942944	
see above	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond; Paraic A. Kenny
EPI_ISL_941424, EPI_ISL_941440	H Evora	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_941455	HSE Ilha Terceira - Angra do Heroismo	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_960173	Heideveld CDC wc HVP	National Health Laboratory Service/UCT	Arash Iranzadeh; Bruna Galvao; Carolyn Williamson; Deelan Doolabh; Diana Hardie; Innocent Mudau; Kruger Marais; Lynn Tyers; Marvin Hsiao; Stephen Korsman
EPI_ISL_906729, EPI_ISL_906732, EPI_ISL_906737, EPI_ISL_906756	Hematology Laboratory, Section of Molecular Diagnostics, University Clinical Centre, Medical University of Gdansk	Laboratory of Recombinant Vaccines	Adam Sodol; Aneta Szulc; Boguslaw Szewczyk; Ewa Milosz; Krystyna Bienkowska-Szewczyk; Krzysztof Lewandowski; Lukasz Rabalski; Maciej Grzybek; Maciej Kosinski; Marlena Robakowska
EPI_ISL_953944	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Angela Brisebarre; Cady Anne; Camille Capel; Etienne Simon-Lorière; Marion Barbet; Maud Vanpeene; Méline Bizard; Sylvie Behillil; Sylvie van der Werf; Vincent Enouf
EPI_ISL_961208	Hospital General Universitario de Alicante - Instituto de Investigación Sanitaria y Biomédica de Alicante	SeqCOVID-SPAIN consortium/IBV(CSIC)	Carmen Molina Pardines and SeqCOVID-SPAIN consortium; Maripaz Ventero Martín
EPI_ISL_943967	Hospital Geral de Sao Paulo	Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory	Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos
EPI_ISL_940620	Hospital Sao Joaquim - Beneficiencia Portuguesa	Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory	Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos
EPI_ISL_956352 EPI_ISL_911472, EPI	Houston Health Department, Disease Prevention and Control ISL_911478, EPI_ISL_911481, EPI_ISL_935710, EPI_ISL_936182, EPI_ISL_936187, EPI_ISL_	Houston Health Department, Disease Prevention and Control L_936192, EPI_ISL_942900	Brown, P.; Lara, A.; Penn, R.
see above	Houston Health Dept.	Houston Health Dept.	Adolpho Lara; Pamela Brown; Ryker Penn
EPI_ISL_955534	Humboldt County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Cliahub Consortium
EPI_ISL_940160, EPI EPI_ISL_940516, EPI	ISL_940164, EPI_ISL_940171, EPI_ISL_940176, EPI_ISL_940177, EPI_ISL_940211, EPI_ISI _ISL_940521, EPI_ISL_940530, EPI_ISL_940536	L_940212, EPI_ISL_940215, EPI_ISL_940316, EPI_ISL_940341, EPI_ISL_940366, EPI_ISL_940	380, EPI_ISL_940399, EPI_ISL_940426, EPI_ISL_940430, EPI_ISL_940432, EPI_ISL_940435, EPI_ISL_940462, EPI_ISL_940469, EPI_ISL_940469, EPI_ISL_940509, EPI_ISL_940513, EPI_ISL_940514, EPI_ISL_940515,
see above	Hôpital Bichat Claude Bernard, Laboratoire de Virologie	IAME UMR1137 Inserm, Université de Paris, Hôpital Bichat	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
EPI_ISL_961595,	Hôpital Georges L. Dumont	National Microbiology Laboratory (NML)	Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Guillaume Desnoyers; Jennifer Tanner; Kirsten Biggar; Madison Chapel;
EPI_ISL_961602, EPI_ISL_961639, EPI_ISL_961648			Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Richard Garceau; Russell Mandes; Shari Tyson; Timothy Booth; Yan Li
EPI_ISL_912796, EPI_ISL_912859, EPI_ISL_912892	Hôpital Henri 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_941859	IPO Porto	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_962534, EP	_ISL_962540, EPI_ISL_962541, EPI_ISL_962545, EPI_ISL_962548, EPI_ISL_962549, EPI_ISI	L_962550, EPI_ISL_962552, EPI_ISL_962561, EPI_ISL_962563, EPI_ISL_962564, EPI_ISL_962	566, EPI_ISL_962568, EPI_ISL_962572, EPI_ISL_962578, EPI_ISL_962581, EPI_ISL_962582, EPI_ISL_962870
see above	Infectious Disease Control and Prevention Institute	Infectious Disease Control and Prevention Institute	Bo Pang; Jianxing Wang; Julong Wu; Mingxiao Yao; Ti Liu; Xiaolin Jiang; Yan Li; Yujie He; Yuwei Zhang; Zengqiang Kou
EPI_ISL_906931, EPI_ISL_906936, EPI_ISL_907058	Infectious Diseases, Quest Diagnostics	Infectious Diseases, Quest Diagnostics	Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu, Y.; Livingston; Owen, R.; R.M.; Rosenthal; S.H.; Shalhout
EPI_ISL_918208	Innovative Genomics Institute, UC Berkeley	Innovative Genomics Institute, UC Berkeley	Haridha Shivram; Justin Choi; Liana Lareau; Phil Frankino; Shana McDevitt; Stacia Wyman
EPI_ISL_934542, EPI_ISL_934547	Institut für Virologie am Department für Hygiene, Mikrobiologie und Public Health	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Andreas Bergthaler; Anna Schedl; Bekir Erguner; Benedikt Agerer; Christoph Bock; Jan Laine; Lukas Endler; Maelle Le Moing; Martin Senekowitsch; Michael Schuster; Thomas Penz
EPI_ISL_955166, EPI_ISL_955168	Institute for Biocides and Medical Ecology	Institute of microbiology and Immunology, Faculty of Medicine, University of Belgrade	Jankovic, M.; Jovanovic, T.; Knezevic, A.; Milicevic, O.; Sekler, M.; Tesovic, B.; Vidanovic, D.
EPI_ISL_962205, EPI_ISL_962524	Institute for Medical Research, Infectious Disease Research Centre, National Institutes of Health, Ministry of Health Malaysia	Institute for Medical Research, Infectious Disease Research Centre, National Institutes of Health, Ministry of Health Malaysia	Azizan MA; Kamel K; Suppiah J; Thayan R
EPI_ISL_960868	Institute of Medical Microbiology and Hospital Hygiene	Institute of Medical Microbiology and Hospital Hygiene	Aljoscha Tersteegen; Prof. Dr. Achim Kaasch
EPI_ISL_906068	Instituto Adolfo Lutz - Regional de Campinas	Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory	Claudia Regina Gonçalves; Claudio Tavares Sacchi; Erica Valessa Ramos Gomes; Karoline Rodrigues Campos
see above	_ISL_933513, EPI_ISL_933526, EPI_ISL_933529, EPI_ISL_933531, EPI_ISL_955192, EPI_ISI Instituto Nacional de Medicina Genomica	L_955198, EPI_ISL_955203 Instituto Nacional de Medicina Genomica	Cedro-Tanda A; Cisneros-Villanueva M; Herrera-Montalvo LA; Hidalgo-Miranda A; Mendoza-Vargas A; Peñaloza-Figueroa F; Reyes-Grajeda JP
	ISL_941943, EPI_ISL_941949, EPI_ISL_941986, EPI_ISL_941987, EPI_ISL_941988, EPI_ISL		call land it, districts managed in the control of managemental angular transfer against the control of the cont
see above	Instituto Nacional de Salud, Bogotá, Colombia	Centro de Investigaciones en Microbiología y Biotecnología-UR (CIMBIUR), Facultad de Ciencias Naturales, Universidad del Rosario, Bogotá, Colombia Instituto Nacional de Salud. Bogotá. Colombia Instituto Nacional de Salud. Bogotá. Colombia Instituto Instituto Nacional de Salud. Bogotá.	Adriana van de Guchte; Alberto Paniz-Mondolfi; Ana S. Gonzalez-Reiche; Carolina Flórez; Carolina Hernández; Emilia Mia Sordillo; Hala Alejel Alshammary; Harm van Bakel; Jayeeta Dutta; Juan David Ramírez; Luz Helena Patiño; Marina Muñoz; Matthew M. Hernandez; Nathalia Ballesteros; Sergio Gomez; Viviana Simon; Zenab Khan
EPI_ISL_956286, EPI_ISL_956291,	Instituto Nacional de Salud- Dirección de Redes de Laboratorios de Salud Pública	Instituto Nacional de Salud- Dirección de Investigación en Salud Pública	Carlos Franco-Muñoz; Diego A. Álvarez-Díaz; Diego Andrés Prada; Gerardo Santamaría; Hector Alejandro Ruiz-Moreno; Jhonnatan Reales-González; Julian Naizaque; Katherine Laiton-Donato; Magdalena Wiesner; Marcela Mercado-Reyes; Maria T. Herrera-Sepúlveda; Martha Lucia Ospina Martinez; Mauricio Pacheco-Montealegre; Sheryll Corchuelo
EPI_ISL_956294 FPI_ISI_913911.FPI		913969. FP S 913972. FP S 913983. FP S 933665 FP S 933667 FD S 933	668, EPI_ISL_933673, EPI_ISL_933681, EPI_ISL_933682, EPI_ISL_933690, EPI_ISL_933698, EPI_ISL_933706, EPI_ISL_942929
see above	Instituto de Diagnostico y Referencia Epidemiologicos INDRE_RNLSP	Instituto de Diagnostico y Referencia Epidemiologicos (INDRE)	Abril Rodriguez-Maldonado; Adnan Araiza-Rodriguez; Claudia Wong-Arambula; David Fragoso-Fonseca; Ernesto Ramirez-Gonzalez.; Fabiola Garces-Ayala; Gisela Barrera-Badillo; Irma Lopez-Martinez; Lucia Hernandez-Rivas; Mayra jimenez-Morales; Nancy Munoz-Hernandez; Ratividad Cruz-Ortiz; Sergio Rangel-Guerrero; Tatiana Nunez-Garcia
EPI_ISL_956311	Islamic Hospital	Institute of Tropical Disease, Universitas Airlangga	Aldise M Nastri; Dodo Anondo; Gatot Soegiarto; Jezzy R Dewantari; Kazufumi Shimizu; Krisnoadi Rahardjo; Laksmi Wulandari; Maria I Lusida; Resti Yudhawati; Rima R Prasetya; Soetjipto; Yasuko Mori
	LISL_944447, EPI_ISL_944469, EPI_ISL_944480, EPI_ISL_944483, EPI_ISL_944523, EPI_ISI		Australian Davids Davids Tend (Feb David Feb Cities Co. Feb Davids (Feb Davids City)
see above	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Assaf Rokney; Dana Bar-Ilan; David A. Zeevi; Efrat Dahan Bucris; Efrat Glick-Saar; Efrat Rorman; Ella Mendelson; Ephraim Fass; Eva Nachum; Gal Zizelski Valenci; Gideon Rechavi; Israel Nissan; Joseph Jaffe; Maya Davidovich Cohen; Michal Mandelboim; Mor Rubinstein; Neta Zuckerman; Omer Murik; Omri Nayshool; Oran Erster; Orna Mor; Tzvia Mann
		L_960571, EPI_ISL_960580, EPI_ISL_960606, EPI_ISL_960607, EPI_ISL_960647, EPI_ISL_960	
see above	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; Pellederino Cerino; Valentina Bouche;
EPI_ISL_913279, EP		L_913358, EPI_ISL_913364, EPI_ISL_913372, EPI_ISL_913373, EPI_ISL_913475, EPI_ISL_934	
see above	Klinisk mikrobiologi	The Public Health Agency of Sweden	Anna Risberg; Anna-Malin Linde; Carlo Berg; Karin Tegmark-Wisell; Maria Lind Karlberg; Mattias Haukland; Mia Brytting; Noura Walai; Oskar Karlsson Lindsjo; Petra Edquist; Petra Holmstrom; Reza Advani;
EDI ISI 018506	LACEN - Laboratório Central de Saúde Pública do Amazonas	Evandro Chagas Instituto	A.M. Barbanelata: E.C. E.M.A. Ferreira: I.A. Lunior: K.C. I.C. I.S. S. M.C. 19. S. Bibbairo: Santos: Silva: Sousa: Sousa Lunior: W.D.C. da Silva

Evandro Chagas Institute

Evandro Chagas Institute

Instituto Adolfo Lutz, Interdiciplinary Procedures Center, Strategic Laboratory

A.M.; Barbagelata; E.C.; E.M.A.; Ferreira; J.A.; Junior; K.C.; L.C.; L.S.; M.C.; P.S.; Pinheiro; Santos; Silva; Sousa; Sousa Junior; W.D.C.; da Silva

A.M.; Barbagelata; E.C.; E.M.A.; Ferreira; J.A.; Junior; K.C.; L.C.; L.S.; M.C.; P.S.; Pinheiro; Santos; Silva; Sousa; Sousa Junior; W.D.C.; da Silva

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

EPI_ISL_918506, EPI_ISL_918508

EPI_ISL_918530 EPI_ISL_943975, LACEN - Laboratório Central de Saúde Pública do Amazonas

LACEN - Laboratório Central de Saúde Pública do Para

LACEN do Estado de Tocantins

	EPI_ISL_943977,			
	EPI_ISL_943980	Laho Analyses Med	National Reference Center for Viruses of Respiratory Infections Institut Pasteur, Paris	Annala Brisaharra: Camilla Canal: Etianna Simon, I crière: Marion Barbat: Maud Vannaana: Marah Yadar: Málina Bizard: Sulvia Bahilli! Sulvia van der Warf: Takoudiu Eva. Mario: Vincant Enouf
Part	EPI_ISL_941092, EPI_ISL_954119			
Page		Labo Analyses med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Amzalag Jonas; Angela Brisebarre; Camille Capel; Etienne Simon-Lorière; Marion Barbet; Maud Vanpeene; Méline Bizard; Sylvie Behillil; Sylvie van der Werf; Vincent Enouf
Marie				
Part			los Andes- Gencore	Wiesner; Marcela Mercado-Reyes; Maria T. Herrera-Sepúlveda; Martha Lucia Ospina Martinez; Mauricio Pacheco-Montealegre; Sheryll Corchuelo
Part		Laboratorio Genzano - ASL RM 6	INMI Lazzaro Spallanzani IRCCS	
	EPI_ISL_943570			
	EPI_ISL_956298	Laboratorio de salud publica del Valle del Cauca	Instituto Nacional de Salud- Dirección de Investigación en Salud Pública	
	EPI_ISL_910339		Cantacuzino Institute Virology	Luiza Ustea; Mihaela Lazar; Nicoleta Paraschiv
	EPI_ISL_935035	Laboratory of Molecular Biology, Diagnostyka sp. z o.o.	genXone SA, Research & Development Laboratory	Grzegorz Nowicki; Jakub Grabowski; Maciej Sykulski; Michal Kaszuba; Monika Mańkowska-Woźniak; Natalia Drwęska-Matelska; Łukasz Krych
Page	EPI_ISL_908274,	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	
Part		Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	
Page				·
Part				
Part	EPI_ISL_906642,	Maine Health and Environmental Testing Laboratory (Maine HETL)	Tewhey Lab, The Jackson Laboratory	Barter, M.; Dewey, H.; H. and Tewhey, R.; Iosue, F.; Lynch, R.; Matluk, N.; Munger
Page	EPI_ISL_925343	Michigan Department of Agriculture and Rural Development		Anna Uehara; Anna montmayeur; Brian Lynch; Clinton R. Paden; Haibin Wang; Jing Zhang; Krista Queen; Peter Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao
Part				
Pig. 1985		Ministry of Health Turkey	Ministry of Health Turkey	Ayşe Başak Altaş; Patma Bayrakdar; Gulay Korukluoglu; Suleyman Yalcın; Yasemin Loşgun
Part				
				Mori
Part 1.1.			• •	Sofia Stamouli
Pin 1.9. 1	EPI_ISL_944166,	National Health Laboratory Service, South Africa	KRISP, KZN Research Innovation and Sequencing Platform	Emmanuel SJ; Giandhari J; Khan S; Laguda-Akingba O; Lessells R; Mdlalose K; Pillay S; Tegally H; Wilkinson E; York D; de Oliveira T
Registration Regi	EPI_ISL_959276, EPI_ISL_959279,	National Influenza Center, Virology Department	National Influenza Center	A Nejati; F Ajaminejad; F Ajaminejad and T Mokhtari Azad; J Yavarian; K Sadeghi; N Ghavvami; N Ghavvami and T Mokhtari Azad; NZ Shafiei Jandaghi; V Salimi
Post 1,500,000 Post 1,500,000 1,000				
Part 1.8	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760,	National Institute of Public Health - National Institute of Hygiene	National Institute of Public Health - National Institute of Hygiene	Wolkowicz Tomasz; Zacharczuk Katarzyna
Fig. 5,000,000 Fig. 5,000	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905763			Wolkowicz Tomasz; Zacharczuk Katarzyna
Seebow Orange County Ablitic Health Lide PS 1,5,9,33137 Orange County Ablitic Health Lide PS 1,5,9,33137 Orange Ps 1,5,9,3,3,5,9,3,3,5,9,3,3,5,9,3,3,5,9,3,3,5,9,3,3,5,9,3,3,5,9,3,3,3,3	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905763 EPI_ISL_936594, EP see above	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo
Pil 5, 933337 Gell Heath Sciences Centre Rational Microbiology Laboratory (RML Poll Rational Microbiology Laboratory (RML Poll Rational Ra	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905763 EPI_ISL_936594, EP see above EPI_ISL_905826, EPI_ISL_905832,	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B.
P. J. S. STOSE Quadram Institute Blockence Quadram Institute B	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905763 EPI_ISL_936594, EP see above EPI_ISL_905826, EPI_ISL_905826, EPI_ISL_905969	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_IS Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B.
Ratinis, Eizze Meadous; Nation Baze, Mark Webber, Mahammed Yasir, Nabilir Faced Alikham, Ngozi Eizmogis, Kholester, M. Thomasin, Rachael Stanley, Racried Clirby, Reeseth Pakasht, Samir Depressev; EP JS, 950608 V. EP JS, 950608	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_90563 EPI_ISL_905894, EP see above EPI_ISL_905826, EPI_ISL_905826, EPI_ISL_9058969 EPI_ISL_955428, EP see above	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955678, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL Orange County Public Health Lab	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium
FR SS, 96843, Quest Diagnostics Quest Diagnostics Quest Diagnostics Quest Diagnostics Quest Diagnostics Quest Diagnostics Anderson, B; Bernstein, D.F.; Gerasimova, A; Haa, M; LA; K.E.; Kapan, E.E.; Lachawan, F.; Liu Y; Livingston; Owen, R.; Perez, A; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpalboon, P. FR SS, 941450, S. FR SS, 9414	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_90563 EPI_ISL_905894, EP see above EPI_ISL_905826, EPI_ISL_905826, EPI_ISL_9058969 EPI_ISL_955428, EP see above	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955678, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL Orange County Public Health Lab	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette;
Fig. 13, 90343, Fig. 15, 903495, Fig.	EPI_ISL_905738, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_936594, EPI see above EPI_ISL_905832, EPI_ISL_905832, EPI_ISL_905848, EPI_ISL_95569 EPI_ISL_95548, EPI_ISL_95548, EPI_ISL_95548, EPI_ISL_95548, EPI_ISL_95548, E	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL Orange County Public Health Lab QEII Health Sciences Centre	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub National Microbiology Laboratory (NML)	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel M. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elias Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan Li Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic;
EP St. 947249, RS Bina Husada Cibinong Eljkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation and RPI St. 947296 RSU Harapan Bunda Billy Hara	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905763 EPI_ISL_905894, EPI_ISL_905894, EPI_ISL_905892, EPI_ISL_905892, EPI_ISL_905892, EPI_ISL_905969 EPI_ISL_915187	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL Orange County Public Health Lab QEII Health Sciences Centre Quadram Institute Bioscience	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan Li Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew P. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet 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;
EPI_SLS_947249, RS Bina Husada Cibinong Epi_SLS_947252 RSU Anggrek Mas Epi_SLS_947268 RSU Anggrek Mas Epi_SLS_947268 RSU Anggrek Mas Epi_SLS_947268 RSU Harapan Bunda Epi_SLS_947268 Epi_SLS_947268 RSU Harapan Bunda Epi_SLS_947269 RSU Kartika Husada Epi_Man institute for Molecular Biology, Ministry of Research and Tochnology/National Agency for Research and Tochnology/National Agency	EPI_ISL_905738, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_90594, EPI_ISL_905832, EPI_ISL_905832, EPI_ISL_905869 EPI_ISL_95548, EPI_ISL_95566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_950608	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISI_Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISI_955676, EPI_ISI_95676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_95676,	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub National Microbiology Laboratory (NML) COVID-19 Genomics UK (COG-UK) Consortium COVID-19 Genomics UK (COG-UK) Consortium	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapej; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan II Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Uzzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debebe; Jonathan Blaj Loseph Chappell; Manjinder Khakh; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharia Tsolerdis; Vicki M Fleming; Victoria Wright; Wendy Smith
EPI_SL_947268 RSU Anggrek Mas Bikman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Agency	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_936594, EPI_ISL_905969 EPI_ISL_905832, EPI_ISL_905832, EPI_ISL_905869 EPI_ISL_95548, EPI_ISL_905969 EPI_ISL_95566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_9506343, EPI_ISL_914953, EPI_ISL_915195, EPI_ISL_915195, EPI_ISL_915195, EPI_ISL_915195, EPI_ISL_915195,	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISI_Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISI_955676, EPI_ISI_95676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_955676, EPI_ISI_95676,	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub National Microbiology Laboratory (NML) COVID-19 Genomics UK (COG-UK) Consortium COVID-19 Genomics UK (COG-UK) Consortium	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapej; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan II Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Uzzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debebe; Jonathan Blaj Loseph Chappell; Manjinder Khakh; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharia Tsolerdis; Vicki M Fleming; Victoria Wright; Wendy Smith
EPI_SL_947304 RSU Harapan Bunda Ejikman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Agency for Agency for Agency and Innovation Agency for Agen	EPI_ISL_905738, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_936594, EPI_ISL_936594, EPI_ISL_905826, EPI_ISL_905826, EPI_ISL_905827 EPI_ISL_95556 EPI_ISL_95556 EPI_ISL_9505608 EPI_ISL_9505608 EPI_ISL_9505608 EPI_ISL_950556	PLISL_936609, EPLISL_936642, EPLISL_936651, EPLISL_936662, EPLISL_936669, EPLISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PLISL_955632, EPLISL_955658, EPLISL_955670, EPLISL_955675, EPLISL_955676, EPLISL Orange County Public Health Lab QEII Health Sciences Centre Quadram Institute Bioscience Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham Quest Diagnostics	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan LI Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet 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 Tsoleridisify Kick M Fleming; Victoria Wright; Wendy Smith Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; I.A.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpaiboon, P.
REPLISL 947296 RSU Kartika Husada Bilokman Institute for Molecular Biology, Ministry of Research and Innovation Agency for Research Agency for	EPI_ISL_905738, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_936594, EPI_ISL_905961 EPI_ISL_905832, EPI_ISL_905832 EPI_ISL_905969 EPI_ISL_95548, EPI_ISL_905969 EPI_ISL_95566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_950556	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISI_Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISI_955676, EPI_ISI_95676, EPI_ISI_9567	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan II Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elimogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debebe; Jonathna 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 Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; LA.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; Sukma Oktavianthi; Willy Agustine
Agency for Research and Innovation EP] ISL 961755, SIESP SULMONA Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale" Ancora M; Calistri P; Cammà C; Curini V; Di Domenico M; Di Pasquale A; Lorusso A; Mangone I; Marcacci M; Puglia I; Rinaldi A; Savini G; Scialabba S EP] ISL 961707, SIESP TERAMO Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale" Ancora M; Calistri P; Cammà C; Curini V; Di Domenico M; Di Pasquale A; Lorusso A; Mangone I; Marcacci M; Puglia I; Rinaldi A; Savini G; Scialabba S EP] ISL 961071 San Diego County Public Health Laboratory Andersen lab at Scripps Research EP] ISL 965372, EP] ISL 955372, EP] ISL 955571, EP] ISL 955572, EP] IS	EPI_ISL_905738, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_90584, EPI_ISL_905869 EPI_ISL_905882, EPI_ISL_905896 EPI_ISL_95556 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950556	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISI_Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL_95676, EPI_ISL_955676, EPI_ISL_95676, EPI_ISL_955676, EPI_ISL_955676, EPI_ISL_955676, EPI_ISL_955676, EPI_ISL_955676, EPI_ISL_95676, EPI_ISL_95676, EPI_ISL_95676, EPI_ISL_95676, EPI_ISL_95676, EPI_ISL_95676, EPI_ISL_95676, EPI_ISL_95676, EPI_ISL_95676, EPI_IS	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapej; Morag Graham; Natalie Knoix, Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan L. Alexander J Trotter; Alison E. Mather; Alp Aydri, Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanha Le-Viet Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debbels; Johnsha Ball; Joseph Japeli; Manjinder Khakh; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsoleridis; Vicki M Fleming; Victoria Wright; Wendy Smith Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; LA.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpaiboon, P. Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine
EP SL_961097, SIESP TERAMO Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale" Ancora M; Calistri P; Cammà C; Curini V; Di Domenico M; Di Pasquale A; Lorusso A; Mangone I; Marcacci M; Puglia I; Rinaldi A; Savini G; Scialabba S EP SL_962791 San Diego County Public Health Laboratory Andersen lab at Scripps Research EP SL_962791 San Diego County Public Health Laboratory Andersen lab at Scripps Research EP SL_962791, EP SL_955372, EP SL_9555772, EP SL_9555772, EP SL_9555772, EP SL_9555773,	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905763, EPI_ISL_905763, EPI_ISL_936594, EPI_ISL_936594, EPI_ISL_936594, EPI_ISL_905832, EPI_ISL_905832, EPI_ISL_959696, EPI_ISL_955428, EPI_ISL_959696 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_9505668 EPI_ISL_950556	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PI_ISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL Orange County Public Health Lab QEII Health Sciences Centre Quadram Institute Bioscience Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham Quest Diagnostics RS Bina Husada Cibinong RSU Anggrek Mas RSU Harapan Bunda	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub National Microbiology Laboratory (NML) COVID-19 Genomics UK (COG-UK) Consortium COVID-19 Genomics UK (COG-UK) Consortium Quest Diagnostics Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CancOGen's metadata curation team; Dan Gaston; Darian Hole; Elisie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CancOGen Heam; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan Li Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gliroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debbee; 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 Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; I.A.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpaiboon, P. Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agust
EP_ISL_962791 San Diego County Public Health Laboratory Andersen lab at Scripps Research Brett Austin; Jovan Shephard; SEARCH Alliance San Diego with Tracy Basler EP_ISL_955372, EP_ISL_955372, EP_ISL_955573, EP_ISL_	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905761, EPI_ISL_905763, EPI_ISL_905826, EPI_ISL_905826, EPI_ISL_905826, EPI_ISL_905827, EPI_ISL_905827, EPI_ISL_9058282, EPI_ISL_9058282, EPI_ISL_90582832, EPI_ISL_90582832, EPI_ISL_90582832, EPI_ISL_90582832, EPI_ISL_90582832, EPI_ISL_90582832, EPI_ISL_9158737 EPI_ISL_915337 EPI_ISL_915337 EPI_ISL_915275, EPI_ISL_9472268 EPI_ISL_947268 EPI_ISL_947268 EPI_ISL_947296	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669,	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan Li Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Calire Stuart; Dave J. Baker; German L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Izizie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhar; Nigozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gliroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet Christopher Moore; Fel Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debbebe; Jonathan Ball; Joseph Chaple; Manjinder Khakh; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holimes; Patrick McClure; Theocharis Tsoleridis; Vicki M Fleming; Victoria Wright; Wendy Smith Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; L.A.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpaiboon, P. Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agus
EPI_ISL_955372, EPI_ISL_955571, EPI_ISL_955573, EPI_ISL_95574, EPI_ISL_95574, EPI_ISL_95577, EPI_ISL_955573, EPI_ISL_95577, EPI_ISL_9557	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_936594, EPI_ISL_936594, EPI_ISL_905832, EPI_ISL_905832, EPI_ISL_905832 EPI_ISL_950560 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_960608 EPI_ISL_960608 EPI_ISL_960608 EPI_ISL_961608 EPI_ISL_961608	PLISL_936609, EPLISL_936642, EPLISL_936651, EPLISL_936662, EPLISL_936669, EPLISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PLISL_955632, EPLISL_955658, EPLISL_955670, EPLISL_955675, EPLISL_955676, EPLISL Orange County Public Health Lab QEII Health Sciences Centre Quadram Institute Bioscience Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham Quest Diagnostics RS Bina Husada Cibinong RSU Anggrek Mas RSU Harapan Bunda RSU Kartika Husada SIESP SULMONA	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel M. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CancOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Van U Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Allikhan; Ngozi Elumogo, Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisewic; Samir Dervisewic; Samir Dervisewic; Samir Dervisewic; Samir Stanley; Sandar Mathew Carlisle; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsoleridis; Vicki M Pienning; Victoria Wright; Wendy Smith Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; LA; K.E.; Kagan; LE.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpaiboon, P. Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Ancora M; Calistri P; Cammà C; Curini V; Di Domenico M; Di Pasquale A; Lorusso A;
see above Santa Clara County Public Health Laboratory Chan-Zuckerberg Biohub CZB Cliahub Consortium EPI_ISL_962588 Scripps Medical Laboratory Andersen lab at Scripps Research Ellen Stefanski; lan Mchardy; SEARCH Alliance San Diego with Michael Quigley EPI_ISL_962248, Seattle Flu Study Seattle Flu Study Amanda Adler; Barry R. Lutz; Benjamin Pelle; Caitlin R. Wolf; Chris D. Frazar; Deborah A. Nickerson; Elisabeth Brandstetter; Fire Risker, Helen Y. Chu; Janet A. Englund; Jay Shendure; Jeff Duchin; Jover Lee; Kairsten Fay; Karen Cowgill; Kirsten Lacombe; Lea M. Starita; Mark J. Rieder; Mathker Richardson; Melissa Truong; Michael Boeckh; Michael Boeckh; Michael Famulare; Misja Ilcisin; Peter D. Han; Stephanie Schrag; Thomas R. Sibley; Trevor Bedford	EPI_ISL_905738, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905863, EPI_ISL_905869 EPI_ISL_905869 EPI_ISL_905869 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_951508 EPI_ISL_951508 EPI_ISL_951508 EPI_ISL_961755, EPI_ISL_961755	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669,	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Rosk; Daniel N. Streibow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cilahub Consortium Anna Majer; Annellese Landgraff; CancOGeN's metadata curation team: Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettigas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CancOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan L Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Germa L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Markins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachtel Gilroy; Recensel hrakash; Samir Dervisevic; Samuel Biomenfled; Staven Rudder; Thanha Leviet Christopher Moore; Fel Sang; Gemma Clark; Hannah Howson-Wells; Johnyn Debebe; Jonathan Ball; Joseph Chappel; Manjinder Khakh; Matthew Carisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsolendis; Vicki M Ferning; Vicki M
EPI_ISL_962588 Scripps Medical Laboratory Andersen lab at Scripps Research Ellen Stefanski; lan Mchardy; SEARCH Alliance San Diego with Michael Quigley EPI_ISL_962248, Seattle Flu Study Seattle Flu Study Amanda Adler; Barry R. Lutz; Benjamin Pelle; Caitlin R. Wolf; Chris D. Frazar; Deborah A. Nickerson; Elisabeth Brandstetter; Eric as Ryke; Helen Y. Chu; Janet A. Englund; Jay Shendure; Jeff Duchin; Jover Lee; EPI_ISL_962286, Seattle Flu Study Amanda Adler; Barry R. Lutz; Benjamin Pelle; Caitlin R. Wolf; Chris D. Frazar; Deborah A. Nickerson; Elisabeth Brandstetter; Eric as Ryke; Helen Y. Chu; Janet A. Englund; Jay Shendure; Jeff Duchin; Jover Lee; Kairsten Fay; Karen Cowgill; Kirsten Lacombe; Lea M. Starita; Mark J. Rieder; Matthew Richardson; Matthew Richardson; Matthew Thompson; Melisa Truong; Michael Boeckh; Mich	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_936594, EPI_ISL_936594, EPI_ISL_905893, EPI_ISL_905893, EPI_ISL_905893 EPI_ISL_950596 EPI_ISL_950596 EPI_ISL_950596 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_950596 EPI_ISL_9650976 EPI_ISL_9610975 EPI_ISL_961101 EPI_ISL_962791	PLISL_936609, EPLISL_936642, EPLISL_936651, EPLISL_936662, EPLISL_936669, EPLISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PLISL_955632, EPLISL_955658, EPLISL_955670, EPLISL_955675, EPLISL_955676, EPLISL Orange County Public Health Lab OEII Health Sciences Centre Quadram Institute Bioscience Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham Quest Diagnostics RS Bina Husada Cibinong RSU Anggrek Mas RSU Harapan Bunda RSU Kartika Husada SIESP SULMONA SIESP TERAMO San Diego County Public Health Laboratory	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Rosk; Daniel N. Streibow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cilahub Consortium Anna Majer; Annellese Landgraff; CancOGeN's metadata curation team: Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettigas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CancOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan L Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Germa L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Markins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachtel Gilroy; Recensel hrakash; Samir Dervisevic; Samuel Biomenfled; Staven Rudder; Thanha Leviet Christopher Moore; Fel Sang; Gemma Clark; Hannah Howson-Wells; Johnyn Debebe; Jonathan Ball; Joseph Chappel; Manjinder Khakh; Matthew Carisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsolendis; Vicki M Ferning; Vicki M
EPI_ISL_962248, Seattle Flu Study Seattle Flu Study Amanda Adler; Barry R. Lutz; Benjamin Pelle; Caitlin R. Wolf; Chris D. Frazar; Deborah A. Nickerson; Elisabeth Brandstetter; Erica Ryke; Helen Y. Chu; Janet A. Englund; Jay Shendure; Jeff Duchin; Jover Lee; FPI_ISL_962286, Kairsten Fay; Karen Cowglil; Kirsten Lacombe; Lea M. Starita; Mark J. Rieder; Matthew Richardson; Matthew Richardson; Matthew Richardson; Matthew Richardson; Meditore Richards	EPI_ISL_905738, EPI_ISL_905748, EPI_ISL_905763 EPI_ISL_905763 EPI_ISL_905763 EPI_ISL_905826, EPI_ISL_905826, EPI_ISL_905827 EPI_ISL_905827 EPI_ISL_905827 EPI_ISL_905969 EPI_ISL_955428, EPI_ISL_95556 EPI_ISL_95556 EPI_ISL_950556 EPI_ISL_950556 EPI_ISL_950556 EPI_ISL_950556 EPI_ISL_950556 EPI_ISL_915195, EPI_ISL_961195, EPI_ISL_961191, EPI_ISL_962791 EPI_ISL_955372, EPI_ISL_962791	PLISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PLISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL Orange County Public Health Lab QEII Health Sciences Centre Quadram Institute Bioscience Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham Quest Diagnostics RS Bina Husada Cibinong RSU Anggrek Mas RSU Harapan Bunda RSU Kartika Husada SIESP SULMONA SIESP TERAMO San Diego County Public Health Laboratory PLISL_9555382, EPI_ISL_955571, EPI_ISL_955572, EPI_ISL_955573, EPI_ISL_955571, EPI_ISL_955571, EPI_ISL_955572, EPI_ISL_955573, EPI_ISL_955571, EPI_ISL_95571, EPI_ISL_	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub National Microbiology Laboratory (NML) COVID-19 Genomics UK (COG-UK) Consortium COVID-19 Genomics UK (COG-UK) Consortium Quest Diagnostics Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale" Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale" Andersen lab at Scripps Research	Chad J. Achenbach; Egon A. Ozer, Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Aluan Anna Majer, Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shari Tyson; Timothy Booth; Todd Hatchette; Yan LI Alexander J Trotter; Alison E. Mather; Alip Aydin; Ana P. Tedin; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alhian; Nopa Elimonops; Nicholas M. Thanh Le-Viet Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debbeb; Jonatha Ball; Joseph Chappell; Manjinder Khakh; Matthew Carlisle, Matthew Loose; Michalle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsoleridis; Vicki M Fleming; Victoria Wright; Wendy Smith Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; I.A.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Oven, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shiyakhter; Tanpaiboon, P. Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Sa
	EPI_ISL_905738, EPI_ISL_905736, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905826, EPI_ISL_905827, EPI_ISL_905827, EPI_ISL_905969 EPI_ISL_955428, EPI_ISL_905969 EPI_ISL_95556 EPI_ISL_950556 EPI_ISL_950556 EPI_ISL_950608 EPI_ISL_950556 EPI_ISL_950556 EPI_ISL_950556 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_950608 EPI_ISL_95047249, EPI_ISL_91291373, EPI_ISL_947249, EPI_ISL_947249, EPI_ISL_947249, EPI_ISL_947258 EPI_ISL_947268 EPI_ISL_947268 EPI_ISL_947296 EPI_ISL_961097, EPI_ISL_961097, EPI_ISL_955372, EPI_ISL_952791 EPI_ISL_955372, EPI_ISL_955	PI_ISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL_936669, EPI_ISL_936669, EPI_ISL_936669, EPI_ISL_955676, EPI_ISL_955676, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL_955675, EPI_ISL_955676,	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922 Ozer Lab Oregon SARS-CoV-2 Genome Sequencing Center L_955683, EPI_ISL_955689 Chan-Zuckerberg Biohub National Microbiology Laboratory (NML) COVID-19 Genomics UK (COG-UK) Consortium COVID-19 Genomics UK (COG-UK) Consortium Quest Diagnostics Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Technology/National Agency for Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and Innovation Eijkman Institute for Molecular Biology, Ministry of Research and	Chad J. Achenbach; Egon A. Ozer, Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team; Dan Gaston; Darian Hole; Elsie Grudeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBlanc; Jennifer Tanner; Madison Chapel; Morag Graham; Natalie Knox; Nathalie Bastien; Philip Mabon; Public Health Agency of Canada CanCOGeN team; Rhiannon Huzarewich; Russell Mandes; Shan Tyson; Timothy Booth; Todd Hatchette; Yan LI Alexander J Trotter; Alison E. Mather; Alip Aydin; Ana P. Tedin; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave; Jesen Bellom; Renema L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Marti Disz, Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stantely, Rachel Glitroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet Christopher Moore; Fel Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debbee; Jonathan Ball; Joseph Chappeli; Manjinder Yashi; Matthew Carlisle; Matthew Cose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsoleridis; Vicki M Fleming; Victoria Wright; Wendy Smith Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; LA; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpaiboon, P. Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy A
	EPI_ISL_905738, EPI_ISL_905745, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905760, EPI_ISL_905832, EPI_ISL_905869 EPI_ISL_905882, EPI_ISL_905869 EPI_ISL_95566 EPI_ISL_950566 EPI_ISL_950566 EPI_ISL_950608 EPI_ISL_9506097 EPI_ISL_9506097 EPI_ISL_9650791 EPI_ISL_965791, EPI_ISL_965791, EPI_ISL_965791, EPI_ISL_9657872, EPI_ISL_965286, EPI_ISL_965288 EPI_ISL_965288 EPI_ISL_965288	PLISL_936609, EPI_ISL_936642, EPI_ISL_936651, EPI_ISL_936662, EPI_ISL_936669, EPI_ISL_Northwestern Memorial Hospital OHSU Lab Services Molecular Microbiology Lab PLISL_955632, EPI_ISL_955658, EPI_ISL_955670, EPI_ISL_955675, EPI_ISL_955676, EPI_ISL_955672, EPI_ISL_955676, EPI_ISL_955672, EPI_ISL_955676, EPI_ISL_9567676, EPI_ISL_9567676, EPI_ISL_9567676, EPI_ISL_9567676, EPI_ISL_956776, EPI_ISL_9567676, EPI_ISL_956776, EPI_ISL_956776, EPI_ISL_956776, EPI_ISL_956776, EPI_ISL_956776, EPI_ISL_9567976, EPI_ISL_955676, EPI_ISL_9567976, EPI_ISL_96797976,	L_936676, EPI_ISL_936701, EPI_ISL_936711, EPI_ISL_936777, EPI_ISL_936922	Chad J. Achenbach; Egon A. Ozer; Judd F. Hultquist; Lacy M. Simons; Lawrence J. Jennings; Michael G. Ison; Ramon Lorenzo-Redondo Alec J. Hirsch; Andrew C. Adey; Benjamin N. Bimber; Brendan L. O'Connell; Brian J. O'Roak; Daniel N. Streblow; Donna Hansel; Guang Fan; Kayla Carter; Qin; Ruth V. Nichols; Sally Grindstaff; William B. Messer; Xuan CZB Cliahub Consortium Anna Majer; Anneliese Landgraff; CanCOGeN's metadata curation team: Dan Gaston; Darian Hole; Elsie Gndeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBianc; Jennifer Tanner; Madison Chapel; Moraja Kingari, Anneliese Landgraff; CanCOGeN's metadata curation team: Dan Gaston; Darian Hole; Elsie Gndeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBianc; Jennifer Tanner; Madison Chapel; Moraja Kingari, Anneliese Landgraff; CanCOGeN's metadata curation team: Dan Gaston; Darian Hole; Elsie Gndeski; Gary Van Domselaar; Grace Seo; Janice Pettipas; Jason LeBianc; Jennifer Tanner; Madison Chapel; Mania Marian; Marian Bala; Marian Jason; Balain Kingari, Marian Jason; Gemma Clark; Hannah Hosson Wells; Johny Debebe; Jonathan Ball; Joseph Chappell; Manjinder Khakh; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Pattick McLiure; Theocharis Tooleidis; Usik M Temining; Victoria Wilgider; Than In Levider, Smith Anderson, B.; Bernstein; D.F.; Gerasimova, A.; Hua, M.; I.A.; K.E.; Kagan; L.E.; Lacbawan, F.; Liu Y.; Livingston; Owen, R.; Perez, A.; R.M.; Rosenthal; S.H.; Shalhout; Shlyakhter; Tanpaiboon, P. Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Lydia V. Panggalo; Safarina G Malik; Sukma Oktavianthi; Willy Agustine Amin Soebandrio; Edison Johar; Frilasita A Yudhaputri; Hidayat Trimarsanto; Iskandar Adnan; Khin Saw Myint; Ly

	Germans Trias i Pujol. Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol (IGTP)		Montserrat Giménez; Pilar Armengol; Roger Paredes; Verónica Saludes
EPI_ISL_941203	Servicio de Microbiología. Hospital Clínico Universitario de Valencia	SeqCOVID-SPAIN consortium/IBV(CSIC)	David Navarro Ortega; Eliseo Albert Vicent; Ignacio Torres and SeqCOVID-SPAIN consortium
EPI_ISL_962750	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_956313	Siti Khodijah Hospital	Institute of Tropical Disease, Universitas Airlangga	Aldise M Nastri; Gatot Soegiarto; Jezzy R Dewantari; Kazufumi Shimizu; Krisnoadi Rahardjo; Laksmi Wulandari; Maria I Lusida; Muhammad Hamdan; Resti Yudhawati; Rima R Prasetya; Soetjipto; Yasuko Mori
EPI_ISL_913343	Synlab Medilab, Mikrobiologi	The Public Health Agency of Sweden	Anna Risberg; Anna-Malin Linde; Carlo Berg; Karin Tegmark-Wisell; Maria Lind Karlberg; Mattias Haukland; Mia Brytting; Noura Walai; Oskar Karlsson Lindsjo; Petra Edquist; Petra Holmstrom; Reza Advani; Sofia Stamouli
EPI_ISL_913822, EPI_ISL_914061, EPI_ISL_914089, EPI_ISL_914143, EPI_ISL_914268, EPI_ISL_914378	TGen North	TGen North	"Jolene Bowers; Ashlyn Pfeiffer; Chris French; Darrin Lemmer; Dave Engelthaler; Hayley Yaglom; Megan Folkerts; The Arizona COVID Genomics Union (ACGU)"
EPI_ISL_913988	TX DSHS, Lab Services Section MC 1947	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Anna Uehara; Clinton R. Paden; Haibin Wang; Jing Zhang; Krista Queen; Peter Cook; Suxiang Tong; Yan Li; Ying Tao
EPI_ISL_925065	TXDSHS	TXDSHS	Anita Pokharel; Bonnie Oh; Chung Wang; Grace Kubin; James Daniel Bonser; Jenny Zhang; Maliha Rahman; Mayela Pedrueza; Myong Koag; Rachel Lee; Rashmi Tuladhar
EPI_ISL_911675, EPI_ISL_911708, EPI_ISL_911732	Tanjungpura University Hospital	Tanjungpura University Hospital	Ambar Rialita; Andriani; Delima Fajar Liana; Eka Ardiani Putri; Helmi Sastriawan; Mahyarudin; Muhammad Ibnu Kahtan; Puji Astuti; Sofi Siti Shofiyah; Virhan Novianry; Wiwik Windarti
EPI_ISL_933625, EPI_ISL_933639, EPI_ISL_961399, EPI_ISL_961421	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
EPI_ISL_962837	UCLA Clinical Micro Lab	Los Angeles County Public Health Laboratories	P. Hemarajata et al.
EPI_ISL_941513	ULS Castelo Branco	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_941543	ULS Guarda	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_962892	ULSS 03 Venezia	Istituto Zooprofilattico Sperimentale delle Venezie	Bellinati Laura; Bonfante Francesco; Bortolami Alessio; Ceglie Letizia; Fincato Alice; Guadagno Carmine; Lucchese L; Mason Nicoletta; Mazzotta Elisa; Mion Monica; Monne Isabella; Natale Alda; Pastori Ambra; Quaranta Erika; Stefani Annalisa; Terregino Calogero
EPI_ISL_913339	Unilabs, Mikrobiologiska laboratoriet	The Public Health Agency of Sweden	Anna Risberg; Anna-Malin Linde; Carlo Berg; Karin Tegmark-Wisell; Maria Lind Karlberg; Mattias Haukland; Mia Brytting; Noura Walai; Oskar Karlsson Lindsjo; Petra Edquist; Petra Holmstrom; Reza Advani; Sofia Stamouli
EPI_ISL_956273	Universitas Airlangga Hospital	Institute of Tropical Disease, Universitas Airlangga	Aldise M Nastri; Gatot Soegiarto; Jezzy R Dewantari; Kazufumi Shimizu; Krisnoadi Rahardjo; Laksmi Wulandari; Maria I Lusida; Nasronudin; Resti Yudhawati; Rima R Prasetya; Soetjipto; Yasuko Mori
EPI_ISL_959924, EPI_ISL_959930, EPI_ISL_959959, EPI_ISL_959977, EPI_ISL_960085, EPI_ISL_960091	University Medical Center Hamburg Eppendorf	Heinrich Pette Institute, Leibníz Institute for Experimental Virology	Adam Grundhoff; Alexis Robitaille; Johannes Knobloch; Martin Aepfelbacher; Nicole Fischer; Thomas Günther
EPI_ISL_913149, EPI_ISL_913211, EPI_ISL_955875	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano
EPI_ISL_906242	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
EPI_ISL_914680, EPI_ISL_937310, EPI_ISL_943938	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin L. Young; Kelly F. Oakeson; Tara Gallagher
EPI_ISL_940853, EPI_ISL_940881, EPI_ISL_940891	Vaccines and Infectious Diseases Analytics Research Unit (VIDA)	KRISP, KZN Research Innovation and Sequencing Platform	Baillie Vicky; Giandhari Jennifer; Madhi Shabir; Naidoo Yeshnee; Pillay Sureshnee; Tegally Houriiyah; de Oliveira Tulio; du Plessis Jeanine
EPI_ISL_913672	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz; Jacob Garfin; Matt Plumb; and Xiong Wang
EPI_ISL_925168, EPI_ISL_925189, EPI_ISL_941257, EPI_ISL_941913	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_960190	Virginia Division of Consolidated Laboratory Services	Virginia Division of Consolidated Laboratory Services	Virginia DCLS
EPI_ISL_922920	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_912073	Washington State Department of Health	Seattle Flu Study	Amanda Adler; Barry R. Lutz; Benjamin Pelle; Brian Hiatt; Caitlin R. Wolf; Chris D. Frazar; Deborah A. Nickerson; Elisabeth Brandstetter; Erica Ryke; Geoff Melly; Helen Y. Chu; Janet A. Englund; Jay Shendure; Jover Lee; Kairsten Fay; Kirsten Lacombe; Lea M. Starita; Mark J. Rieder; Matthew Richardson; Matthew Thompson; Melissa Truong; Michael Boeckh; Michael Famulare; Misja Ilcisin; Peter D. Han; Philip

EPI_ISL_942036, EPI_ISL_942074, EPI_ISL_942089, EPI_ISL_942148, EPI_ISL_942150, EPI_ISL_942197, EPI_ISL_942198, EPI_ISL_942209, EPI_ISL_942212, EPI_ISL_942213, EPI_ISL_942229, EPI_ISL_942264, EPI_ISL_942268, EPI_ISL_942268, EPI_ISL_942296

Wisconsin State Laboratory of Hygiene Communicable Disease Division Wisconsin State Laboratory of Hygiene Communicable Disease Division Wyoming Public Health Laboratory Wyoming Public Health Laboratory

genXone SA, Research & Development Laboratory

Evandro Chagas Institute

see above

EPI_ISL_911958

EPI_ISL_959407

EPI_ISL_918514, EPI_ISL_918518

genXone SA, Molecular Diagnostics Laboratory / NZOZ

Evandro Chagas Institute

Dykema; Romesh Gautom; Scott Lindquist; Thomas R. Sibley; Trevor Bedford Abigail C. Shockey; Kelsey R. Florek

Ashley Norberg; Bailey Bowcutt; Channing Weber; Lynette Gumbleton; Noah Hull; Taylor Fearing; and Wanda Manley

Aleksandra Gidlewicz; Anna Brylak-Błaszków; Grzegorz Nowicki; Jakub Grabowski; Karol Szeszko; Maciej Sykulski; Michał Kaszuba; Natalia Drwęska-Matelska; Łukasz Krych

A.M.; Barbagelata; E.C.; E.M.A.; Ferreira; J.A.; Junior; K.C.; L.C.; L.S.; M.C.; P.S.; Pinheiro; Santos; Silva; Sousa; Sousa Junior; W.D.C.; da Silva