

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

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EPI_ISL_1013619, EPI_ISL_1013621, EPI_ISL_1013622, EPI_ISL_1013623, EPI_ISL_1013624, EPI_ISL_1013625, EPI_ISL_1013626, EPI_ISL_1013631, EPI_ISL_1013632, EPI_ISL_1013633, EPI_ISL_1013634, EPI_ISL_1013638, EPI_ISL_1013643, EPI_ISL_1013644, EPI_ISL_1013651, EPI_ISL_1013654, EPI_ISL_1013686, EPI_ISL_1013688, EPI_ISL_1013697, EPI_ISL_1013698, EPI_ISL_1013699, EPI_ISL_1013703, EPI_ISL_1013704, EPI_ISL_1013705, EPI_ISL_1013706, EPI_ISL_1013707, EPI_ISL_1013708, EPI_ISL_1013709, EPI_ISL_1013710, EPI_ISL_1013711, EPI_ISL_1013712, EPI_ISL_1013721, EPI_ISL_1013723, EPI_ISL_1013724, EPI_ISL_1013725, EPI_ISL_1013728, EPI_ISL_1013734, EPI_ISL_1013735, EPI_ISL_1013742, EPI_ISL_1013746, EPI_ISL_1013749, EPI_ISL_1013750, EPI_ISL_1013751, EPI_ISL_1013753, EPI_ISL_1013756, EPI_ISL_1013757, EPI_ISL_1013758, EPI_ISL_1014251, EPI_ISL_1014279, EPI_ISL_1014280, EPI_ISL_1014281, EPI_ISL_1014282, EPI_ISL_1014300, EPI_ISL_1014301, EPI_ISL_1014302	see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Florian Zwagemaker, Dennis Schmitz, Chantal Reusken, on behalf of the national COVID-19 response team
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EPI_ISL_1016693, EPI_ISL_1016694, EPI_ISL_1016696, EPI_ISL_1016697, EPI_ISL_1016698, EPI_ISL_1016699, EPI_ISL_1016700, EPI_ISL_1016701, EPI_ISL_1016702, EPI_ISL_1016703, EPI_ISL_1016704, EPI_ISL_1016705, EPI_ISL_1016706, EPI_ISL_1016707, EPI_ISL_1016708, EPI_ISL_1016709, EPI_ISL_1016710, EPI_ISL_1016711, EPI_ISL_1016712, EPI_ISL_1016713, EPI_ISL_1016714, EPI_ISL_1016715, EPI_ISL_1016716, EPI_ISL_1016717, EPI_ISL_1016718, EPI_ISL_1016719, EPI_ISL_1016720, EPI_ISL_1016721, EPI_ISL_1016722, EPI_ISL_1016786, EPI_ISL_1016789, EPI_ISL_1016790, EPI_ISL_1016791, EPI_ISL_1016792, EPI_ISL_1016793, EPI_ISL_1016821	see above	Helix/Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efrén Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
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EPI_ISL_1016869	LabPLUS	Institute of Environmental Science and Research (ESR)		Xiaoyun Ren, Matt Storey, Nikki Freed, Muhammad Faisal, Jing Wang, Hermes Perez, Anja Werno, Antje van der Linden, Arlo Upton, Chris Mansell, David Hammer, Dragana Drinkovic, Gary McAuliffe, Hana Sofia Andersson, James Ussher, Jill Sherwood, Josh Freeman, Julia Howard, Juliet Elvy, Mary DeAlmeida, Matt Blakiston, Matthew Rogers, Max Bloomfield, Michael Addidle, Michelle Balm, Sally Roberts, Sarah Jefferies, Sharmini Muttaiyah, Susan Morpeth, Susan Taylor, Timothy Blackmore, Vani Sathyendran, Veronica Playle, Virginia Hope, Erasmus Smit, Lauren Jelly, Olin Silander, Joep de Ligt
EPI_ISL_1018107, EPI_ISL_1018113,	General Hospital - Ohrid	Research Center for Genetic Engineering and Biotechnology		Aleksandar J. Dimovski, Dijana Plasheska-Karanfilska, Predrag Noveski, Gjorgji Bozinovski, Milena Jakimovska

EPI_ISL_1018115		"Georgi D. Efremov" , Macedonian Academy of Sciences and Arts	
EPI_ISL_1018766	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1019586	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1020121, EPI_ISL_1020122, EPI_ISL_1020123	Laboratorio de Virología HUCA	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_1020124	Hospital de Cabueñes	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_1020125	Hospital San Agustín	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_1020126, EPI_ISL_1020132, EPI_ISL_1020135, EPI_ISL_1020151	Laboratorio de Virología HUCA	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_1020371	MEPHI, Aix Marseille University	MEPHI, Aix Marseille University	Anthony LEVASSEUR
EPI_ISL_1020413, EPI_ISL_1020420, EPI_ISL_1020422, EPI_ISL_1020444, EPI_ISL_1020445, EPI_ISL_1020446, EPI_ISL_1020447, EPI_ISL_1020448, EPI_ISL_1020449, EPI_ISL_1020455, EPI_ISL_1020456, EPI_ISL_1020458, EPI_ISL_1020459, EPI_ISL_1020460, EPI_ISL_1020461, EPI_ISL_1020463, EPI_ISL_1020468, EPI_ISL_1020469, EPI_ISL_1020470, EPI_ISL_1020473			
see above	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_1034279	Northwest Pathology	UW Virology Lab	Pavitra Roychoudhury, Lasata Shrestha, Shah A Mohamed Bakhash, Michelle Lin, Hong Xie, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_1034924, EPI_ISL_1034939, EPI_ISL_1034953, EPI_ISL_1034955, EPI_ISL_1034957, EPI_ISL_1034960, EPI_ISL_1034961, EPI_ISL_1034962, EPI_ISL_1034965, EPI_ISL_1034972, EPI_ISL_1034973, EPI_ISL_1034974, EPI_ISL_1034975, EPI_ISL_1034976, EPI_ISL_1034982, EPI_ISL_1034983, EPI_ISL_1034984, EPI_ISL_1034989, EPI_ISL_1034990, EPI_ISL_1035020, EPI_ISL_1035021, EPI_ISL_1035024, EPI_ISL_1035025, EPI_ISL_1035026, EPI_ISL_1035027, EPI_ISL_1035028, EPI_ISL_1035029, EPI_ISL_1035031, EPI_ISL_1035035, EPI_ISL_1035036, EPI_ISL_1035037, EPI_ISL_1035038, EPI_ISL_1035072, EPI_ISL_1035077, EPI_ISL_1035114, EPI_ISL_1035118, EPI_ISL_1035119, EPI_ISL_1035131, EPI_ISL_1035132, EPI_ISL_1035133, EPI_ISL_1035136, EPI_ISL_1035137, EPI_ISL_1035138, EPI_ISL_1035152, EPI_ISL_1035153, EPI_ISL_1035154, EPI_ISL_1035155, EPI_ISL_1035178, EPI_ISL_1035180, EPI_ISL_1035181, EPI_ISL_1035182			
see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Florian Zwagemaker, Dennis Schmitz, Chantal Reusken, on behalf of the national COVID-19 response team
EPI_ISL_1035967, EPI_ISL_1035980, EPI_ISL_1035988, EPI_ISL_1036002, EPI_ISL_1036003, EPI_ISL_1036006, EPI_ISL_1036013, EPI_ISL_1036014, EPI_ISL_1036015, EPI_ISL_1036017, EPI_ISL_1036018, EPI_ISL_1036022, EPI_ISL_1036023, EPI_ISL_1036024, EPI_ISL_1036027			
see above	Universidad de León	SeqCOVID-SPAIN consortium/IBV(CSIC)	Ana Carvajal, Vicente Martín, Héctor Argüello, Juan M. Fregeneda, Tania Fernández-Villa, Antonio J. Molina and SeqCOVID-SPAIN consortium
EPI_ISL_1036598, EPI_ISL_1036599, EPI_ISL_1036600, EPI_ISL_1036601	Synlab	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1036603, EPI_ISL_1036604	Department of Clinical Microbiology	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1036605, EPI_ISL_1036606	Synlab	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1036686, EPI_ISL_1036688, EPI_ISL_1036689, EPI_ISL_1036690, EPI_ISL_1036691, EPI_ISL_1036692, EPI_ISL_1036693, EPI_ISL_1036720, EPI_ISL_1036721, EPI_ISL_1036722, EPI_ISL_1036723, EPI_ISL_1036725			
see above	Helix/Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook,Dakota Howard,Dhwani Batra,Ben L. Rambo-Martin,Eileen de Feo,Jan Antico,Christine Tran,Matthew Tolentino,Shannon Wickline,Kim Gietzen,Brad Sickler,Jingtao Liu,Eric Allen,Phil Febbo,Summer Galloway,Nicole L. Washington,Simon White,Gerrant Levan,Kelly Schiabor Barrett,Elizabeth Cirulli,Alexandre Bolze, Ary Ascencio,Charlotte Rivera-Garcia,Ryan Cho,Jason Nguyen,Sherry Wang,Jammy Ramirez,Tyler Cassens,Efren Sandoval,Magnus Isaksson,William Lee,David Becker,Marc Laurent,James Lu,Clinton R. Paden,Suxiang Tong,Duncan MacCannell
EPI_ISL_1038985, EPI_ISL_1038987	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Mallery Breban, Anne Wylie, Chantal Vogels, Mary Petrone, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_1039835, EPI_ISL_1039949	LHUB-ULB	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeussen, Herman Goossens
EPI_ISL_1040147	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungenes
EPI_ISL_1040442	Department of Clinical Microbiology	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1040454, EPI_ISL_1040458	Synlab	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1040462	Vivalia - Clinique Saint-Joseph	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1040490, EPI_ISL_1040491, EPI_ISL_1040495, EPI_ISL_1040496, EPI_ISL_1040497, EPI_ISL_1040498, EPI_ISL_1040499, EPI_ISL_1040500, EPI_ISL_1040501, EPI_ISL_1040502, EPI_ISL_1040503, EPI_ISL_1040504, EPI_ISL_1040505, EPI_ISL_1040506, EPI_ISL_1040507, EPI_ISL_1040508, EPI_ISL_1040509, EPI_ISL_1040510			
see above	University of Liège COVID-19 testing center	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Sébastien Bontems, Fabrice Bureau, Laurent Gillet, Wouter Coppieters, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1040936, EPI_ISL_1040987, EPI_ISL_1040990, EPI_ISL_1041009	Medical Laboratory Bruss	Laboratory of Recombinant Vaccines	Lukasz Rabalski, Maciej Kosinski, Maciej Pisarek, Pawel Pisarek, Boguslaw Szewczyk, Krystyna Bienkowska-Szewczyk
EPI_ISL_1045983, EPI_ISL_1046337, EPI_ISL_1046338, EPI_ISL_1046339, EPI_ISL_1046340, EPI_ISL_1046341, EPI_ISL_1046342, EPI_ISL_1046343, EPI_ISL_1046344, EPI_ISL_1046345, EPI_ISL_1046346, EPI_ISL_1046347, EPI_ISL_1046348, EPI_ISL_1046349, EPI_ISL_1046350, EPI_ISL_1046351, EPI_ISL_1046352, EPI_ISL_1046353, EPI_ISL_1046354, EPI_ISL_1046355, EPI_ISL_1046356, EPI_ISL_1046357, EPI_ISL_1046358, EPI_ISL_1046359, EPI_ISL_1046360, EPI_ISL_1046361, EPI_ISL_1046362, EPI_ISL_1046363, EPI_ISL_1046364, EPI_ISL_1046365, EPI_ISL_1046366, EPI_ISL_1046367, EPI_ISL_1046368, EPI_ISL_1046369, EPI_ISL_1046370, EPI_ISL_1046371, EPI_ISL_1046372, EPI_ISL_1046373, EPI_ISL_1046374, EPI_ISL_1046375, EPI_ISL_1046376, EPI_ISL_1046377, EPI_ISL_1046378, EPI_ISL_1046379, EPI_ISL_1046380, EPI_ISL_1046381, EPI_ISL_1046382, EPI_ISL_1046383, EPI_ISL_1046384, EPI_ISL_1046385, EPI_ISL_1046386, EPI_ISL_1046387, EPI_ISL_1046388, EPI_ISL_1046389, EPI_ISL_1046391, EPI_ISL_1046392, EPI_ISL_1046393, EPI_ISL_1046395, 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EPI_ISL_1047968, EPI_ISL_1047969, EPI_ISL_1047970, EPI_ISL_1047972, EPI_ISL_1048026, EPI_ISL_1048027		Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
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EPI_ISL_1048801		Arizona State University	Arizona State University	Emily A. Kaelin, LaRinda A. Holland, Peter T. Skidmore, Nicholas J. Mellor, Kristina Buss, Joy M. Blain, Neal W Woodbury, Valerie Harris, Joshua LaBaer, Vel Murugan, Efrim S. Lim
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EPI_ISL_1049213		PA Department of Health, Bureau of Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Brian Lynch, Krista Queen, Anna Uehara, Peter Cook, Han Jia Ng, Clinton R. Paden, Halbin Wang, Suxiang Tong
EPI_ISL_1050066, EPI_ISL_1050067		Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Angyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1050219, EPI_ISL_1050220, EPI_ISL_1050222		West of Scotland Specialist Virology Centre, NHSGGC / MRC-University of Glasgow Centre for Virus Research	COVID-19 Genomics UK (COG-UK) Consortium	Ana da Silva Filipe, Natasha Johnson, Kathy Smollett, Daniel Mair, Stephen Carmichael, Alice Broos, Lily Tong, Jenna Nichols, Kyriaki Nomikou; Sarah McDonald; Richard Orton, Joseph Hughes, Sreenu Vattipally, David L Robertson; Alasdair MacLean, Rory Gunson; Sharif Shaaban, Matthew Holden; Rachel Blacow, Guy Mollett, Kathy Li, James Shepherd, Antonia Ho, Emma Thomson
EPI_ISL_1050293, EPI_ISL_1050294, EPI_ISL_1050295, EPI_ISL_1050296, EPI_ISL_1050300, EPI_ISL_1050301, EPI_ISL_1050302		University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_1050380, EPI_ISL_1050381		KU Leuven, Rega Institute, Clinical and Epidemiological Virology	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Tony Wawina-Bokalanga, Bert Vanmechelen, Joan Marti-Carreras, Piet Maes
EPI_ISL_1050582, EPI_ISL_1050583, EPI_ISL_1050584, EPI_ISL_1050585, EPI_ISL_1050586, EPI_ISL_1050587, EPI_ISL_1050588, EPI_ISL_1050589, EPI_ISL_1050590, EPI_ISL_1050591, EPI_ISL_1050592, EPI_ISL_1050593, EPI_ISL_1050594, EPI_ISL_1050595, EPI_ISL_1050596, EPI_ISL_1050597, EPI_ISL_1050598, EPI_ISL_1050600, EPI_ISL_1050601, EPI_ISL_1050602, EPI_ISL_1050603, EPI_ISL_1050604	see above	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1050605, EPI_ISL_1050606		Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1050607, EPI_ISL_1050608, EPI_ISL_1050609		University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer

EPI_ISL_1050610	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1050611, EPI_ISL_1050612, EPI_ISL_1050613	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1050614	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1050615, EPI_ISL_1050616, EPI_ISL_1050617, EPI_ISL_1050618	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1050619	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1050620, EPI_ISL_1050621, EPI_ISL_1050622, EPI_ISL_1050623, EPI_ISL_1050624, EPI_ISL_1050625, EPI_ISL_1050626, EPI_ISL_1050627, EPI_ISL_1050628, EPI_ISL_1050629, EPI_ISL_1050630, EPI_ISL_1050631			
see above	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1050632, EPI_ISL_1050633, EPI_ISL_1050635, EPI_ISL_1050636, EPI_ISL_1050637, EPI_ISL_1050638, EPI_ISL_1050639, EPI_ISL_1050640, EPI_ISL_1050641, EPI_ISL_1050642, EPI_ISL_1050643, EPI_ISL_1050644, EPI_ISL_1050645, EPI_ISL_1050646, EPI_ISL_1050647, EPI_ISL_1050648, EPI_ISL_1050651, EPI_ISL_1050652, EPI_ISL_1050653, EPI_ISL_1050654, EPI_ISL_1050655, EPI_ISL_1050656, EPI_ISL_1050657, EPI_ISL_1050658, EPI_ISL_1050659, EPI_ISL_1050660, EPI_ISL_1050661, EPI_ISL_1050662, EPI_ISL_1050663, EPI_ISL_1050664, EPI_ISL_1050665, EPI_ISL_1050666, EPI_ISL_1050667, EPI_ISL_1050668, EPI_ISL_1050669, EPI_ISL_1050670, EPI_ISL_1050671, EPI_ISL_1050672, EPI_ISL_1050673, EPI_ISL_1050674, EPI_ISL_1050675			
see above	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1050676, EPI_ISL_1050677, EPI_ISL_1050678, EPI_ISL_1050679, EPI_ISL_1050680, EPI_ISL_1050681, EPI_ISL_1050682, EPI_ISL_1050683, EPI_ISL_1050684	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1050685, EPI_ISL_1050686, EPI_ISL_1050687, EPI_ISL_1050688, EPI_ISL_1050689, EPI_ISL_1050690, EPI_ISL_1050692, EPI_ISL_1050693, EPI_ISL_1050696, EPI_ISL_1050698, EPI_ISL_1050699, EPI_ISL_1050700, EPI_ISL_1050701, EPI_ISL_1050702, EPI_ISL_1050705, EPI_ISL_1050706, EPI_ISL_1050707, EPI_ISL_1050708, EPI_ISL_1050709, EPI_ISL_1050710, EPI_ISL_1050711, EPI_ISL_1050712, EPI_ISL_1050713, EPI_ISL_1050714, EPI_ISL_1050715, EPI_ISL_1050716, EPI_ISL_1050717, EPI_ISL_1050718, EPI_ISL_1050719, EPI_ISL_1050720, EPI_ISL_1050721, EPI_ISL_1050722			
see above	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1050723, EPI_ISL_1050724, EPI_ISL_1050725, EPI_ISL_1050726, EPI_ISL_1050727, EPI_ISL_1050728, EPI_ISL_1050729, EPI_ISL_1050730, EPI_ISL_1050731, EPI_ISL_1050733, EPI_ISL_1050734, EPI_ISL_1050735, EPI_ISL_1050736, EPI_ISL_1050737, EPI_ISL_1050738, EPI_ISL_1050739, EPI_ISL_1050740, EPI_ISL_1050741, EPI_ISL_1050742, EPI_ISL_1050743, EPI_ISL_1050744, EPI_ISL_1050745, EPI_ISL_1050746, EPI_ISL_1050747			
see above	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1050799, EPI_ISL_1050816, EPI_ISL_1050817, EPI_ISL_1050818, EPI_ISL_1050854, EPI_ISL_1050874, EPI_ISL_1050879, EPI_ISL_1050880	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysher, Scott Elliott, Samuel Robson
EPI_ISL_1050887, EPI_ISL_1050892, EPI_ISL_1050905	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust, Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Carlaid Evans
EPI_ISL_1050911	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysher, Scott Elliott, Samuel Robson
EPI_ISL_1051244, EPI_ISL_1051245, EPI_ISL_1051246, EPI_ISL_1051247, EPI_ISL_1051248, EPI_ISL_1051249, EPI_ISL_1051250, EPI_ISL_1051252, EPI_ISL_1051254, EPI_ISL_1051255, EPI_ISL_1051256, EPI_ISL_1051257, EPI_ISL_1051258, EPI_ISL_1051259, EPI_ISL_1051260, EPI_ISL_1051261, EPI_ISL_1051262, EPI_ISL_1051263, EPI_ISL_1051264, EPI_ISL_1051265, EPI_ISL_1051266, EPI_ISL_1051267			
see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusri Taha, Gary Eltringham
EPI_ISL_1051590	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1051596, EPI_ISL_1051627, EPI_ISL_1051630, EPI_ISL_1051631, EPI_ISL_1051634, EPI_ISL_1051635, EPI_ISL_1051642, EPI_ISL_1051643, EPI_ISL_1051645, EPI_ISL_1051646, EPI_ISL_1051647, EPI_ISL_1051651, EPI_ISL_1051652, EPI_ISL_1051653, EPI_ISL_1051654, EPI_ISL_1051655, EPI_ISL_1051661, EPI_ISL_1051663, EPI_ISL_1051664, EPI_ISL_1051667, EPI_ISL_1051668, EPI_ISL_1051672, EPI_ISL_1051674, EPI_ISL_1051677, EPI_ISL_1051678, EPI_ISL_1051679, EPI_ISL_1051680, EPI_ISL_1051683, EPI_ISL_1051684, EPI_ISL_1051686, EPI_ISL_1051687, EPI_ISL_1051689, EPI_ISL_1051691, EPI_ISL_1051693, EPI_ISL_1051715, EPI_ISL_1051716, EPI_ISL_1051717, EPI_ISL_1051718, EPI_ISL_1051719, EPI_ISL_1051722, EPI_ISL_1051726, EPI_ISL_1051728, EPI_ISL_1051738, EPI_ISL_1051877, EPI_ISL_1051878, EPI_ISL_1051880, EPI_ISL_1051881, EPI_ISL_1051882, EPI_ISL_1051883, EPI_ISL_1051899, EPI_ISL_1051900, EPI_ISL_1051901, EPI_ISL_1051903, EPI_ISL_1051908, EPI_ISL_1051909, EPI_ISL_1051910, EPI_ISL_1051911, EPI_ISL_1051912, EPI_ISL_1051913, EPI_ISL_1051914, EPI_ISL_1051916, EPI_ISL_1051917, EPI_ISL_1051918			
see above	Oxford Viroemics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser
EPI_ISL_1052138, EPI_ISL_1052139, EPI_ISL_1052140, EPI_ISL_1052143, EPI_ISL_1052145, EPI_ISL_1052146, EPI_ISL_1052149, EPI_ISL_1052150, EPI_ISL_1052151, EPI_ISL_1052152, EPI_ISL_1052153, EPI_ISL_1052154, EPI_ISL_1052155, EPI_ISL_1052156, EPI_ISL_1052157, EPI_ISL_1052159, EPI_ISL_1052160, EPI_ISL_1052161, EPI_ISL_1052162, EPI_ISL_1052163, EPI_ISL_1052165, EPI_ISL_1052166, EPI_ISL_1052167, EPI_ISL_1052168, EPI_ISL_1052169, EPI_ISL_1052170, EPI_ISL_1052171, EPI_ISL_1052172, EPI_ISL_1052173, EPI_ISL_1052174, EPI_ISL_1052175, EPI_ISL_1052176, EPI_ISL_1052177, EPI_ISL_1052183, EPI_ISL_1052188, EPI_ISL_1052190, EPI_ISL_1052191, EPI_ISL_1052192, EPI_ISL_1052193, EPI_ISL_1052195, EPI_ISL_1052261, EPI_ISL_1052262, EPI_ISL_1052263, EPI_ISL_1052268, EPI_ISL_1052270, EPI_ISL_1052271, EPI_ISL_1052470, EPI_ISL_1052472, EPI_ISL_1052531, EPI_ISL_1052532, EPI_ISL_1052537			
see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiari, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1053434	Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Noah Hull, Taylor Fearing, Lynette Gumbleton, Channing Weber, Ashley Norberg, Bailey Bowcutt, and Wanda Manley
EPI_ISL_1053513, EPI_ISL_1053515, EPI_ISL_1053516, EPI_ISL_1053517, EPI_ISL_1053518, EPI_ISL_1053530, EPI_ISL_1053531, EPI_ISL_1053532, EPI_ISL_1053534, EPI_ISL_1053535, EPI_ISL_1053562, EPI_ISL_1053565, EPI_ISL_1053567, EPI_ISL_1053568, EPI_ISL_1053572, EPI_ISL_1053573, EPI_ISL_1053581, EPI_ISL_1053588			
see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiari, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1053851, EPI_ISL_1053852, EPI_ISL_1053856, EPI_ISL_1053857,	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysher, Scott Elliott, Samuel Robson

EPI_ISL_1053893, EPI_ISL_1053932, EPI_ISL_1053955, EPI_ISL_1053956	NHS Trust			
EPI_ISL_1053977, EPI_ISL_1053979, EPI_ISL_1053980, EPI_ISL_1053982, EPI_ISL_1053983, EPI_ISL_1053984, EPI_ISL_1053985, EPI_ISL_1053986, EPI_ISL_1053987, EPI_ISL_1053989, EPI_ISL_1053990, EPI_ISL_1053991, EPI_ISL_1053992, EPI_ISL_1053993, EPI_ISL_1053994, EPI_ISL_1053995, EPI_ISL_1053996, EPI_ISL_1053998, EPI_ISL_1053999, EPI_ISL_1054001, EPI_ISL_1054002, EPI_ISL_1054005, EPI_ISL_1054006, EPI_ISL_1054007, EPI_ISL_1054009, EPI_ISL_1054010, EPI_ISL_1054012, EPI_ISL_1054013, EPI_ISL_1054014, EPI_ISL_1054015, EPI_ISL_1054016, EPI_ISL_1054018, EPI_ISL_1054019, EPI_ISL_1054020, EPI_ISL_1054022, EPI_ISL_1054023, EPI_ISL_1054024, EPI_ISL_1054025, EPI_ISL_1054026, EPI_ISL_1054027, EPI_ISL_1054028, EPI_ISL_1054029, EPI_ISL_1054031, EPI_ISL_1054033, EPI_ISL_1054034, EPI_ISL_1054035, EPI_ISL_1054036, EPI_ISL_1054037, EPI_ISL_1054040, EPI_ISL_1054042, EPI_ISL_1054043, EPI_ISL_1054044, EPI_ISL_1054045, EPI_ISL_1054046, EPI_ISL_1054047, EPI_ISL_1054048, EPI_ISL_1054049, EPI_ISL_1054051, EPI_ISL_1054053, EPI_ISL_1054054, EPI_ISL_1054055, EPI_ISL_1054056, EPI_ISL_1054057, EPI_ISL_1054059, EPI_ISL_1054060, EPI_ISL_1054067, EPI_ISL_1054070, EPI_ISL_1054071, EPI_ISL_1054072, EPI_ISL_1054073, EPI_ISL_1054074, EPI_ISL_1054075, EPI_ISL_1054076, EPI_ISL_1054077, EPI_ISL_1054078, EPI_ISL_1054079, EPI_ISL_1054083, EPI_ISL_1054085, EPI_ISL_1054086, EPI_ISL_1054087, EPI_ISL_1054089, EPI_ISL_1054090, EPI_ISL_1054091, EPI_ISL_1054092, EPI_ISL_1054094, EPI_ISL_1054096, EPI_ISL_1054097, EPI_ISL_1054098, EPI_ISL_1054099, EPI_ISL_1054100, EPI_ISL_1054101, EPI_ISL_1054102, EPI_ISL_1054103, EPI_ISL_1054104, EPI_ISL_1054105, EPI_ISL_1054106, EPI_ISL_1054107, EPI_ISL_1054110, EPI_ISL_1054111, EPI_ISL_1054112, EPI_ISL_1054114, EPI_ISL_1054116, EPI_ISL_1054117, EPI_ISL_1054118, EPI_ISL_1054120, EPI_ISL_1054122, EPI_ISL_1054123, EPI_ISL_1054125, EPI_ISL_1054126, EPI_ISL_1054127, EPI_ISL_1054128, EPI_ISL_1054130	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli	
EPI_ISL_1054141, EPI_ISL_1054192, EPI_ISL_1054194, EPI_ISL_1054233, EPI_ISL_1054239, EPI_ISL_1054241, EPI_ISL_1054243, EPI_ISL_1054248, EPI_ISL_1054250, EPI_ISL_1054252, EPI_ISL_1054254	see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusrî Taha, Gary Eltringham
EPI_ISL_1054372, EPI_ISL_1054373, EPI_ISL_1054374, EPI_ISL_1054375, EPI_ISL_1054376, EPI_ISL_1054377, EPI_ISL_1054378, EPI_ISL_1054379, EPI_ISL_1054380, EPI_ISL_1054382, EPI_ISL_1054384, EPI_ISL_1054385, EPI_ISL_1054386, EPI_ISL_1054387, EPI_ISL_1054388, EPI_ISL_1054389, EPI_ISL_1054390, EPI_ISL_1054391, EPI_ISL_1054392, EPI_ISL_1054393, EPI_ISL_1054394, EPI_ISL_1054395, EPI_ISL_1054397, EPI_ISL_1054398, EPI_ISL_1054399, EPI_ISL_1054400, EPI_ISL_1054401, EPI_ISL_1054402, EPI_ISL_1054403, EPI_ISL_1054404, EPI_ISL_1054405, EPI_ISL_1054406, EPI_ISL_1054407, EPI_ISL_1054408, EPI_ISL_1054409, EPI_ISL_1054410, EPI_ISL_1054411, EPI_ISL_1054412, EPI_ISL_1054413, EPI_ISL_1054414, EPI_ISL_1054415, EPI_ISL_1054416, EPI_ISL_1054417, EPI_ISL_1054418, EPI_ISL_1054419, EPI_ISL_1054420, EPI_ISL_1054421, EPI_ISL_1054422, EPI_ISL_1054423, EPI_ISL_1054424, EPI_ISL_1054425, EPI_ISL_1054426, EPI_ISL_1054427, EPI_ISL_1054428, EPI_ISL_1054429, EPI_ISL_1054430, EPI_ISL_1054431, EPI_ISL_1054432, EPI_ISL_1054433, EPI_ISL_1054434, EPI_ISL_1054435, EPI_ISL_1054436, EPI_ISL_1054437, EPI_ISL_1054438, EPI_ISL_1054439, EPI_ISL_1054440, EPI_ISL_1054441, EPI_ISL_1054442, EPI_ISL_1054443, EPI_ISL_1054444, EPI_ISL_1054445, EPI_ISL_1054446, EPI_ISL_1054447, EPI_ISL_1054448, EPI_ISL_1054449, EPI_ISL_1054451, EPI_ISL_1054452, EPI_ISL_1054453, EPI_ISL_1054454, EPI_ISL_1054455, EPI_ISL_1054456, EPI_ISL_1054457, EPI_ISL_1054458, EPI_ISL_1054459, EPI_ISL_1054460, EPI_ISL_1054461	see above	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoletidis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1054462, EPI_ISL_1054463, EPI_ISL_1054464, EPI_ISL_1054465, EPI_ISL_1054466, EPI_ISL_1054467, EPI_ISL_1054469, EPI_ISL_1054470, EPI_ISL_1054472, EPI_ISL_1054473, EPI_ISL_1054474, EPI_ISL_1054475, EPI_ISL_1054476, EPI_ISL_1054477, EPI_ISL_1054478, EPI_ISL_1054479, EPI_ISL_1054480, EPI_ISL_1054481, EPI_ISL_1054482, EPI_ISL_1054483, EPI_ISL_1054484, EPI_ISL_1054485, EPI_ISL_1054486, EPI_ISL_1054487, EPI_ISL_1054488, EPI_ISL_1054489, EPI_ISL_1054490, EPI_ISL_1054491, EPI_ISL_1054492, EPI_ISL_1054493, EPI_ISL_1054494, EPI_ISL_1054495, EPI_ISL_1054496, EPI_ISL_1054497, EPI_ISL_1054498, EPI_ISL_1054499, EPI_ISL_1054500, EPI_ISL_1054501, EPI_ISL_1054502, EPI_ISL_1054503, EPI_ISL_1054504, EPI_ISL_1054505, EPI_ISL_1054506, EPI_ISL_1054507, EPI_ISL_1054508, EPI_ISL_1054510, EPI_ISL_1054511, EPI_ISL_1054512, EPI_ISL_1054513, EPI_ISL_1054514, EPI_ISL_1054515, EPI_ISL_1054516, EPI_ISL_1054517, EPI_ISL_1054518, EPI_ISL_1054519, EPI_ISL_1054520, EPI_ISL_1054521, EPI_ISL_1054522, EPI_ISL_1054523, EPI_ISL_1054524, EPI_ISL_1054525, EPI_ISL_1054526, EPI_ISL_1054527, EPI_ISL_1054528, EPI_ISL_1054529, EPI_ISL_1054530, EPI_ISL_1054532, EPI_ISL_1054533, EPI_ISL_1054534, EPI_ISL_1054535, EPI_ISL_1054537, EPI_ISL_1054538, EPI_ISL_1054539, EPI_ISL_1054540, EPI_ISL_1054541	see above	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_1054825, EPI_ISL_1054826, EPI_ISL_1054827, EPI_ISL_1054828, EPI_ISL_1054829, EPI_ISL_1054831	see above	Bioinformatics and Biostatistics Lab, Advanced Sequencing Facility	COVID-19 Genomics UK (COG-UK) Consortium	Aengus Stewart, Jerome Nicod, Chelsea Sawyer, Laura Cubitt, Harshil Patel, Margaret Crawford
EPI_ISL_1055181	National Virus Reference Laboratory	National Virus Reference Laboratory	Guerrino Macorì, Gabriel Gonzalez, Michael Carr, Zoe Yandle, Jonathan Dean, Seamus Fanning, Cillian F De Gascun	
EPI_ISL_1056654	Servicio de Microbiología, Hospital Universitario Son Espases	SeqCOVID-SPAIN consortium/IBV(CSIC)	Carla López-Causapé, Jordi Reina, Antonio Oliver and SeqCOVID-SPAIN consortium	
EPI_ISL_1056986, EPI_ISL_1057009	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Tony Wawina-Bokalanga, Bert Vanmechelen, Joan Martí-Carerras, Piet Maes	
EPI_ISL_1058437	St. Nikolaus-Hospital Eupen	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours	
EPI_ISL_1058532	SYNLAB - Laboratoire J. Collard	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours	
EPI_ISL_1058536, EPI_ISL_1058538, EPI_ISL_1058540, EPI_ISL_1058543, EPI_ISL_1058546, EPI_ISL_1058548, EPI_ISL_1058549, EPI_ISL_1058550, EPI_ISL_1058551, EPI_ISL_1058552, EPI_ISL_1058553, EPI_ISL_1058554, EPI_ISL_1058555, EPI_ISL_1058556, EPI_ISL_1058557	see above	CHR de La Citadelle	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1058833, EPI_ISL_1058860	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_1059938, EPI_ISL_1059939	HOSPITAL J.M. MORALES MESEGUER	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandomis,V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Antequera, P.	
EPI_ISL_1059952	HOSPITAL J.M. MORALES MESEGUER	Instituto de Salud Carlos III	Sandomis,V. Vázquez-Morón, S. Iglesias-Caballero, M. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Antequera, P.	
EPI_ISL_1059955	HOSPITAL COMARCAL DE MELILLA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandomis,V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Román, S.	
EPI_ISL_1059970	HOSPITAL J.M. MORALES MESEGUER	Instituto de Salud Carlos III	Sandomis,V. Vázquez-Morón, S. Iglesias-Caballero, M. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Antequera, P.	
EPI_ISL_1059976, EPI_ISL_1059977	HOSPITAL COMARCAL DE MELILLA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandomis,V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Román, S.	
EPI_ISL_1060236, EPI_ISL_1060249, EPI_ISL_1060250, EPI_ISL_1060259, EPI_ISL_1060261	Laboratorio de Microbiología, Hospital Marina Baixa, Villajoyosa	SeqCOVID-SPAIN consortium/IBV(CSIC)	Mónica Parra Grande, Francisco José Arjona Zaragozaí, Carmen Martínez Peinado and SeqCOVID-SPAIN consortium	
EPI_ISL_1060791	Virtua Health System-Voorhees	New Jersey Public Health Environmental Laboratories (NJ_PHEL)	Lindsey Bodnar, Shiv Verma, Dana Woell, Byeong Jeong	
EPI_ISL_1061403	Microbiological Diagnostic Unit - Public Health Laboratory (MDU-PHL)	MDU-PHL	Seemann T., Sait, M.L., Sherry, N.L.	
EPI_ISL_1063506, EPI_ISL_1063507, EPI_ISL_1063508	Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Samo Zakotnik, Tomaž Mark Zorec, Matic Brvar, Doroteja Vljaj, Andrej Celar, Dominika Šturm, Patricija Pozvek, Špela Pleh, Miša Korva, Mario Poljak, Tatjana Avši - Županc	
EPI_ISL_1063921, EPI_ISL_1063934, EPI_ISL_1063935, EPI_ISL_1063936, EPI_ISL_1063937, EPI_ISL_1063938, EPI_ISL_1063939, EPI_ISL_1063940, EPI_ISL_1063941, EPI_ISL_1063942, EPI_ISL_1063943, EPI_ISL_1063949, EPI_ISL_1063955, EPI_ISL_1063965, EPI_ISL_1063966, EPI_ISL_1063967	see above	Ministry of Health Turkey	Fatma Bayraktar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu	
EPI_ISL_1064344	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration	
EPI_ISL_1064778	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.	
EPI_ISL_1067761, EPI_ISL_1067788, EPI_ISL_1067791	Broad Institute Clinical Research Sequencing Platform	Infectious Disease Program, Broad Institute of Harvard and MIT	Lemieux,J.E., Siddle,K.J., Adams,G., Gladden-Young,A., Lagerborg,K., Rudy,M., DeRuff,K., Carter,A., Normandin,E., Bauer,M., Reilly,S., Tomkins-Tinch,C., Loreth,C., Chaluvadi,S., Birren,B.W., Gallagher,G., Smole,S., Park,D.J., MacInnis,B.L., and Sabeti,P.C.	
EPI_ISL_1069328	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Shah Mohamed Bakhshash, Robert Livingston, Michelle Lin, Noah Baker, Meei-Li Huang, Keith R Jerome, Alexander Greninger	

EPI_ISL_1073139	Nigeria Centre For Disease Control	National reference Laboratory, NCDC, Gaduwa, Abuja	Dr Ndodo Nnaemeka, Olusola Anuoluwapo Akanbi, Chimaobi Chukwu, Dr Omoare Adesuyi, Grace Esebanmen, Anthony Ahumibe, Naidoo Dhamari, Nwando Mba, Dr Chikwe Ihekweazu
EPI_ISL_1073741, EPI_ISL_1073742, EPI_ISL_1073743, EPI_ISL_1073744, EPI_ISL_1073745, EPI_ISL_1073746, EPI_ISL_1073747, EPI_ISL_1073764, EPI_ISL_1073765, EPI_ISL_1073766, EPI_ISL_1073767			
see above	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_1073830, EPI_ISL_1073854, EPI_ISL_1073866	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1080337	NJ Rapid Response Teams	NJ_PHEL	Lindsey Bodnar, Shiv Verma, Dana Woell, Byeong Jeong
EPI_ISL_1081086, EPI_ISL_1081087, EPI_ISL_1081088, EPI_ISL_1081089, EPI_ISL_1081090, EPI_ISL_1081092, EPI_ISL_1081093, EPI_ISL_1081094, EPI_ISL_1081095	Helix/Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efrén Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1081266	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1082346, EPI_ISL_1082347	Kantonsspital Baden AG	Institute of Medical Virology, University of Zurich	Verena Kufner, Gabriela Ziltener, Stefan Schmutz, Maryam Zaheri, Annette Audigé, Maria Grünberg, Kevin Steiner, Jon Huder, Cyril Shah, Riccarda Capaul, Guido Bloemberg, Jürg Böni, Michael Huber, Alexandra Trkola
EPI_ISL_1082349	Spital Limmattal	Institute of Medical Virology, University of Zurich	Verena Kufner, Gabriela Ziltener, Stefan Schmutz, Maryam Zaheri, Annette Audigé, Maria Grünberg, Kevin Steiner, Jon Huder, Cyril Shah, Riccarda Capaul, Guido Bloemberg, Jürg Böni, Michael Huber, Alexandra Trkola
EPI_ISL_1082350	Kantonsspital Münsterlingen	Institute of Medical Virology, University of Zurich	Verena Kufner, Gabriela Ziltener, Stefan Schmutz, Maryam Zaheri, Annette Audigé, Maria Grünberg, Kevin Steiner, Jon Huder, Cyril Shah, Riccarda Capaul, Guido Bloemberg, Jürg Böni, Michael Huber, Alexandra Trkola
EPI_ISL_1082414, EPI_ISL_1082415, EPI_ISL_1082416, EPI_ISL_1082417, EPI_ISL_1082426, EPI_ISL_1082428, EPI_ISL_1082429, EPI_ISL_1082430, EPI_ISL_1082431, EPI_ISL_1082433, EPI_ISL_1082434, EPI_ISL_1082435, EPI_ISL_1082436, EPI_ISL_1082437, EPI_ISL_1082438, EPI_ISL_1082440			
see above	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_1084757	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1088572, EPI_ISL_1088573, EPI_ISL_1088574	CHI VILLENEUVE ST GEORGES	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_1089783	Biolab Diagnostic Laboratories	Biolab Diagnostic Laboratories	Issa Abu-Dayyeh, Ahmad Tibi, Lama Hussein, Shayma Ali, Badia Sadeddin, Eiad Atwa, Amid Abdelnour
EPI_ISL_1091124	Virology, Universitätsklinikum des Saarlandes	Epigenetics, Saarland University	Kathrin Kattler, Markus Vogelgesang, Stefan Lohse, Sascha Tierling, Thorsten Pfuhl, Sigrun Smola, Jörn Walter
EPI_ISL_1091407, EPI_ISL_1091408, EPI_ISL_1091409, EPI_ISL_1091416	National Institute of Public Health - National Institute of Hygiene	1. National Institute of Public Health - National Institute of Hygiene; 2. Eurofins Genomics Europe Sequencing GmbH	Wokowicz Tomasz, Zacharczuk Katarzyna, Sadkowska-Todys Magorzata, Gierczyki Rafa, Eurofins Genomics Europe Sequencing Team, ECDC COVID-19 WGS support team
EPI_ISL_1091973	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Matthew Schwartz, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_1092445, EPI_ISL_1092452, EPI_ISL_1092453, EPI_ISL_1092454, EPI_ISL_1092519, EPI_ISL_1092520, EPI_ISL_1092521, EPI_ISL_1092522, EPI_ISL_1092558, EPI_ISL_1092643, EPI_ISL_1092655, EPI_ISL_1092656, EPI_ISL_1092657, EPI_ISL_1092658, EPI_ISL_1092817, EPI_ISL_1092818, EPI_ISL_1092819, EPI_ISL_1092888, EPI_ISL_1092915, EPI_ISL_1096218			
see above	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1097520, EPI_ISL_1097522	Colorado Department of Public Health and Environment	Colorado Department of Puplic Health and Environment	Laura Bankers, Molly C. Hetherington-Rauth, Diana Ir, Shannon Ely, Shannon R. Matzinger, Sarah Elizabeth Totten, Emily A. Travanty
EPI_ISL_1103797	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_1103884, EPI_ISL_1103888, EPI_ISL_1103890, EPI_ISL_1103945	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1103949, EPI_ISL_1103950, EPI_ISL_1103951, EPI_ISL_1103952, EPI_ISL_1103953, EPI_ISL_1103954, EPI_ISL_1103955, EPI_ISL_1103957, EPI_ISL_1103959, EPI_ISL_1103960, EPI_ISL_1103961, EPI_ISL_1103962, EPI_ISL_1103963, EPI_ISL_1103964, EPI_ISL_1103965, EPI_ISL_1103966, EPI_ISL_1103967, EPI_ISL_1103968, EPI_ISL_1103969, EPI_ISL_1103970, EPI_ISL_1103971, EPI_ISL_1103972, EPI_ISL_1103973, EPI_ISL_1103974, EPI_ISL_1103975, EPI_ISL_1103976, EPI_ISL_1103977, EPI_ISL_1103978, EPI_ISL_1103979, EPI_ISL_1103980, EPI_ISL_1103981, EPI_ISL_1103982, EPI_ISL_1103983, EPI_ISL_1103984, EPI_ISL_1103985, EPI_ISL_1103986, EPI_ISL_1103987, EPI_ISL_1103988, EPI_ISL_1103989, EPI_ISL_1103990, EPI_ISL_1103991, EPI_ISL_1103993, EPI_ISL_1103994, EPI_ISL_1103995, EPI_ISL_1103996, EPI_ISL_1103997, EPI_ISL_1103998, EPI_ISL_1103999, EPI_ISL_1104000, EPI_ISL_1104001, EPI_ISL_1104002, EPI_ISL_1104003, EPI_ISL_1104004, EPI_ISL_1104005, EPI_ISL_1104006, EPI_ISL_1104007, EPI_ISL_1104008, EPI_ISL_1104009, EPI_ISL_1104010, EPI_ISL_1104011, EPI_ISL_1104012, EPI_ISL_1104013, EPI_ISL_1104014, EPI_ISL_1104015, EPI_ISL_1104016, EPI_ISL_1104017, EPI_ISL_1104018, EPI_ISL_1104019, EPI_ISL_1104020, EPI_ISL_1104021, EPI_ISL_1104022, EPI_ISL_1104023, EPI_ISL_1104024			
see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusri Taha, Gary Eltringham
EPI_ISL_1104025, EPI_ISL_1104026, EPI_ISL_1104027, EPI_ISL_1104028, EPI_ISL_1104029, EPI_ISL_1104030, EPI_ISL_1104031, EPI_ISL_1104032, EPI_ISL_1104033, EPI_ISL_1104034, EPI_ISL_1104035, EPI_ISL_1104036, EPI_ISL_1104037, EPI_ISL_1104038, EPI_ISL_1104039, EPI_ISL_1104040, EPI_ISL_1104048, EPI_ISL_1104049, EPI_ISL_1104050, EPI_ISL_1104051, EPI_ISL_1104071			
see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Angyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1104223	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colqhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1104500, EPI_ISL_1104501, EPI_ISL_1104502, EPI_ISL_1104503, EPI_ISL_1104505, EPI_ISL_1104506, EPI_ISL_1104507, EPI_ISL_1104568	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_1104832, EPI_ISL_1104836, EPI_ISL_1104838, EPI_ISL_1104843, EPI_ISL_1104844, EPI_ISL_1104847, EPI_ISL_1104848, EPI_ISL_1104855, EPI_ISL_1104856, EPI_ISL_1104857, EPI_ISL_1104859, EPI_ISL_1104863, EPI_ISL_1104864, EPI_ISL_1104867, EPI_ISL_1104872, EPI_ISL_1104874, EPI_ISL_1104879, EPI_ISL_1104880, EPI_ISL_1104881, EPI_ISL_1104886, EPI_ISL_1104887, EPI_ISL_1104899, EPI_ISL_1104900, EPI_ISL_1104901, EPI_ISL_1104902, EPI_ISL_1104908, EPI_ISL_1104910, EPI_ISL_1104916, EPI_ISL_1104917, EPI_ISL_1104918, EPI_ISL_1104919, EPI_ISL_1104920, EPI_ISL_1104925, EPI_ISL_1104933, EPI_ISL_1104934, EPI_ISL_1104939, EPI_ISL_1104940, EPI_ISL_1104943, EPI_ISL_1104945, EPI_ISL_1104946, EPI_ISL_1104950, EPI_ISL_1104952, EPI_ISL_1104953, EPI_ISL_1104955, EPI_ISL_1104956, EPI_ISL_1104959, EPI_ISL_1104960, EPI_ISL_1104961, EPI_ISL_1104965, EPI_ISL_1104966, EPI_ISL_1104967, EPI_ISL_1105182, EPI_ISL_1105191, EPI_ISL_1105192, EPI_ISL_1105194, EPI_ISL_1105198, EPI_ISL_1105225, EPI_ISL_1105227			
see above	University College London Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Judith Heaney, Matthew Byott, Catherine Houlihan, Dan Frampton, Stuart Kirk, Moira Spyer and Eleni Nastouli
EPI_ISL_1105447, EPI_ISL_1105448, EPI_ISL_1105467	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1105486, EPI_ISL_1105488, EPI_ISL_1105519, EPI_ISL_1105520	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusri Taha, Gary Eltringham

EPI_ISL_1105861, EPI_ISL_1105863, EPI_ISL_1105864, EPI_ISL_1105865, EPI_ISL_1105866, EPI_ISL_1105867, EPI_ISL_1105868, EPI_ISL_1105869, EPI_ISL_1105870, EPI_ISL_1105883, EPI_ISL_1105884, EPI_ISL_1105886, EPI_ISL_1105887, EPI_ISL_1105888, EPI_ISL_1105889, EPI_ISL_1105890	see above	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1106646, EPI_ISL_1106647	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarianni, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor	
EPI_ISL_1107632, EPI_ISL_1107655, EPI_ISL_1107656, EPI_ISL_1107657, EPI_ISL_1107658, EPI_ISL_1107659, EPI_ISL_1107660, EPI_ISL_1107661, EPI_ISL_1107662, EPI_ISL_1107663, EPI_ISL_1107785	see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysheer,Scott Elliott,Samuel Robson
EPI_ISL_1108957, EPI_ISL_1108960, EPI_ISL_1108961, EPI_ISL_1108962, EPI_ISL_1108964, EPI_ISL_1108965, EPI_ISL_1108966, EPI_ISL_1108967, EPI_ISL_1108968, EPI_ISL_1108969, EPI_ISL_1108971, EPI_ISL_1108973, EPI_ISL_1108974, EPI_ISL_1108975, EPI_ISL_1108976, EPI_ISL_1108977, EPI_ISL_1108978, EPI_ISL_1108979, EPI_ISL_1108980, EPI_ISL_1108981, EPI_ISL_1108982, EPI_ISL_1108984, EPI_ISL_1108985, EPI_ISL_1108986, EPI_ISL_1108987, EPI_ISL_1108988, EPI_ISL_1108989, EPI_ISL_1108990, EPI_ISL_1108991, EPI_ISL_1108992, EPI_ISL_1108993, EPI_ISL_1108995, EPI_ISL_1108996, EPI_ISL_1108997, EPI_ISL_1108998, EPI_ISL_1108999, EPI_ISL_1109000, EPI_ISL_1109001, EPI_ISL_1109002, EPI_ISL_1109003, EPI_ISL_1109004, EPI_ISL_1109005, EPI_ISL_1109006, EPI_ISL_1109007, EPI_ISL_1109008, EPI_ISL_1109009, EPI_ISL_1109011, EPI_ISL_1109012, EPI_ISL_1109014, EPI_ISL_1109015, EPI_ISL_1109016, EPI_ISL_1109017, EPI_ISL_1109018, EPI_ISL_1109019, EPI_ISL_1109020, EPI_ISL_1109021, EPI_ISL_1109022, EPI_ISL_1109023, EPI_ISL_1109026, EPI_ISL_1109028, EPI_ISL_1109030, EPI_ISL_1109032, EPI_ISL_1109035, EPI_ISL_1109037, EPI_ISL_1109042, EPI_ISL_1109043, EPI_ISL_1109044	see above	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1109497	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak	
EPI_ISL_1110039, EPI_ISL_1110040	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Shah Mohamed Bakhsh, Michelle Lin, Noah Baker, Meei-Li Huang, Keith R Jerome, Alexander Greninger	
EPI_ISL_1110530	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1110931	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,PiIorge LéA	
EPI_ISL_1116830	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al	
EPI_ISL_1116894, EPI_ISL_1116895	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al	
EPI_ISL_1116979, EPI_ISL_1116980	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al	
EPI_ISL_1117722, EPI_ISL_1117725, EPI_ISL_1117728, EPI_ISL_1117731, EPI_ISL_1117734, EPI_ISL_1117735, EPI_ISL_1117738, EPI_ISL_1117739, EPI_ISL_1117741, EPI_ISL_1117754	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun	
EPI_ISL_1117777, EPI_ISL_1117794	Klinikum Wels-Grieskirchen	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler	
EPI_ISL_1117813, EPI_ISL_1117814, EPI_ISL_1117815	Institut für Pathologie, Salzkammergut Klinikum Vöcklabruck	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler	
EPI_ISL_1117831	HG Pharma GmbH	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler	
EPI_ISL_1117834, EPI_ISL_1117835, EPI_ISL_1117840, EPI_ISL_1117841, EPI_ISL_1117842, EPI_ISL_1117843, EPI_ISL_1117844, EPI_ISL_1117845	Klinikum Wels-Grieskirchen	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler	
EPI_ISL_1117870, EPI_ISL_1117871, EPI_ISL_1117919	HG Pharma GmbH	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler	
EPI_ISL_1118298, EPI_ISL_1118300, EPI_ISL_1118302	University Hospital of Northern Norway, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118317	Vestfold Hospital, Toensberg Department of Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118341	Norwegian Institute of Public Health, Department of Virology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118342	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118343	Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118344	University Hospital of Northern Norway, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118345	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118346	Oslo University Hospital, Department of Medical Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118347	Department of Medical Microbiology, St. Olavs hospital	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1118410	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_1120310, EPI_ISL_1120386	Dutch COVID-19 response team	Medical Microbiology, Maastricht University Medical Centre	Jozef Dingemans*, Brian van der Veer*, Erik Beuken, Carmen Reumkens, Lieke van Alphen, Christian Hoebe, Paul Savelkoul	
EPI_ISL_1129344	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andrea Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129351, EPI_ISL_1129410,	Viollier AG	Department of Biosystems Science and Engineering, ETH	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermizakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet,	

EPI_ISL_1129578		Zürich	Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129619	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129681, EPI_ISL_1129683, EPI_ISL_1129687, EPI_ISL_1129697	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129740	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129756, EPI_ISL_1129757	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129767	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Christian Beisel, Sarah Nadeau, Chaoran Chen, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Rebecca Denes, Mirjam Feldkamp, Ina Nissen, Natascha Santacrocce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129814, EPI_ISL_1129816, EPI_ISL_1129819, EPI_ISL_1129865	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129940, EPI_ISL_1129987, EPI_ISL_1129992	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129998	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Christian Beisel, Sarah Nadeau, Chaoran Chen, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Rebecca Denes, Mirjam Feldkamp, Ina Nissen, Natascha Santacrocce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130025, EPI_ISL_1130174, EPI_ISL_1130200, EPI_ISL_1130257	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130309	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130316, EPI_ISL_1130337	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130341	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130342, EPI_ISL_1130416, EPI_ISL_1130437	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130509, EPI_ISL_1130547, EPI_ISL_1130557, EPI_ISL_1130559, EPI_ISL_1130560, EPI_ISL_1130561, EPI_ISL_1130562	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130581, EPI_ISL_1130663	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130666	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Christian Beisel, Sarah Nadeau, Chaoran Chen, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Rebecca Denes, Mirjam Feldkamp, Ina Nissen, Natascha Santacrocce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130683, EPI_ISL_1130694, EPI_ISL_1130701, EPI_ISL_1130706, EPI_ISL_1130735, EPI_ISL_1130748, EPI_ISL_1130982	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1131031	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1132741	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang	
EPI_ISL_1134918, EPI_ISL_1134919, EPI_ISL_1134920, EPI_ISL_1134921, EPI_ISL_1134922, EPI_ISL_1134923, EPI_ISL_1134924, EPI_ISL_1134926, EPI_ISL_1134939, EPI_ISL_1134941, EPI_ISL_1134942, EPI_ISL_1134943, EPI_ISL_1134944, EPI_ISL_1134945, EPI_ISL_1134946, EPI_ISL_1134947, EPI_ISL_1134948, EPI_ISL_1134949, EPI_ISL_1134950, EPI_ISL_1134951, EPI_ISL_1134952, EPI_ISL_1134953, EPI_ISL_1134954, EPI_ISL_1134955, EPI_ISL_1134956, EPI_ISL_1134957, EPI_ISL_1134959, EPI_ISL_1134960, EPI_ISL_1134962, EPI_ISL_1134963, EPI_ISL_1134964, EPI_ISL_1134966, EPI_ISL_1134970, EPI_ISL_1134972, EPI_ISL_1134975, EPI_ISL_1134976, EPI_ISL_1134980, EPI_ISL_1134981, EPI_ISL_1134983, EPI_ISL_1134984, EPI_ISL_1134986, EPI_ISL_1134989, EPI_ISL_1134990, EPI_ISL_1134992, EPI_ISL_1134993, EPI_ISL_1134994, EPI_ISL_1134995, EPI_ISL_1134996, EPI_ISL_1134997, EPI_ISL_1134998, EPI_ISL_1135000, EPI_ISL_1135002, EPI_ISL_1135004, EPI_ISL_1135006, EPI_ISL_1135007, EPI_ISL_1135009, EPI_ISL_1135012, EPI_ISL_1135013, EPI_ISL_1135015, EPI_ISL_1135019, EPI_ISL_1135020, EPI_ISL_1135021, EPI_ISL_1135022, EPI_ISL_1135023, EPI_ISL_1135024, EPI_ISL_1135025, EPI_ISL_1135026, EPI_ISL_1135029, EPI_ISL_1135030, EPI_ISL_1135031, EPI_ISL_1135032, EPI_ISL_1135033, EPI_ISL_1135034, EPI_ISL_1135035, EPI_ISL_1135036, EPI_ISL_1135037	see above	BIOMNIS LYON	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1141941, EPI_ISL_1141952, EPI_ISL_1141980, EPI_ISL_1141985, EPI_ISL_1141997, EPI_ISL_1142000, EPI_ISL_1142004, EPI_ISL_1142006, EPI_ISL_1142010, EPI_ISL_1142018, EPI_ISL_1142029, EPI_ISL_1142035, EPI_ISL_1142038, EPI_ISL_1142043, EPI_ISL_1142048, EPI_ISL_1142051, EPI_ISL_1142058, EPI_ISL_1142060, EPI_ISL_1142064, EPI_ISL_1142078	see above	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown

EPI_ISL_1142259, EPI_ISL_1142262, EPI_ISL_1142263, EPI_ISL_1142265, EPI_ISL_1142266, EPI_ISL_1142271	MVZ Dr. Eberhard & Partner Dortmund	Robert Koch Institute	unknown
EPI_ISL_1142329, EPI_ISL_1142399, EPI_ISL_1142512, EPI_ISL_1142521, EPI_ISL_1142523	Bioscientia MVZ Labor Karlsruhe GmbH	Robert Koch Institute	unknown
EPI_ISL_1142567, EPI_ISL_1142574, EPI_ISL_1142576, EPI_ISL_1142577	Uniklinikum Regensburg; Institut für Mikrobiologie	Robert Koch Institute	unknown
EPI_ISL_1142603, EPI_ISL_1142617, EPI_ISL_1142618, EPI_ISL_1142624, EPI_ISL_1142625, EPI_ISL_1142632, EPI_ISL_1142638, EPI_ISL_1142639, EPI_ISL_1142646, EPI_ISL_1142654	LADR Zentrallabor DR. Kramer & Kollegen Geesthacht	Robert Koch Institute	unknown
EPI_ISL_1142660	Labor Kneißler GmbH & Co. KG	Robert Koch Institute	unknown
EPI_ISL_1142668	amedes MVZ Hannover	Robert Koch Institute	unknown
EPI_ISL_1142688	amedes MVZ für Laboratoriumsmedizin Rhein/Ruhr	Robert Koch Institute	unknown
EPI_ISL_1142701	amedes MVZ für Laboratoriumsmedizin Hamburg	Robert Koch Institute	unknown
EPI_ISL_1142720	amedes MVZ für Labordiagnostik Rhein-Main	Robert Koch Institute	unknown
EPI_ISL_1142866	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1143040	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1143042	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1143062	LabKom - MVZ Labor Bochum MLB GmbH	Robert Koch Institute	unknown
EPI_ISL_1143085	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1143088	LabKom - MVZ Labor Bochum MLB GmbH	Robert Koch Institute	unknown
EPI_ISL_1143089	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1143101	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1143102	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1143155	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1143190	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1143200	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1143213	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1143214, EPI_ISL_1143219	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1143221, EPI_ISL_1143234, EPI_ISL_1143245	LabKom - Labor Mainz MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1143248	LabKom - MVZ Labor Bochum MLB GmbH	Robert Koch Institute	unknown
EPI_ISL_1143278	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1143304	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1143439, EPI_ISL_1143442, EPI_ISL_1143443, EPI_ISL_1143444, EPI_ISL_1143446	MVZ Labor Dr. Fenner und Kollegen (Standort Hamburg)	Robert Koch Institute	unknown
EPI_ISL_1143471, EPI_ISL_1143537, EPI_ISL_1143547	IMD - Institut für Medizinische Diagnostik Berlin-Potsdam	Robert Koch Institute	unknown
EPI_ISL_1143917	Uniklinikum Regensburg; Institut für Mikrobiologie	Robert Koch Institute	unknown
EPI_ISL_1144217, EPI_ISL_1144218, EPI_ISL_1144224, EPI_ISL_1144225	MVZ Labor Dr. Limbach & Kollegen GbR	Robert Koch Institute	unknown
EPI_ISL_1144242	Dianovis GmbH Greiz	Robert Koch Institute	unknown
EPI_ISL_1144311	Labor Blackholm MVZ	Robert Koch Institute	unknown
EPI_ISL_1144898, EPI_ISL_1144899, EPI_ISL_1144901, EPI_ISL_1144904	Philipps-Universität Marburg Fachbereich Medizin Institut für Virologie	Robert Koch Institute	unknown
EPI_ISL_1144907	Labor Dr. Heidrich & Kollegen MVZ GmbH Hamburg	Robert Koch Institute	unknown
EPI_ISL_1144962, EPI_ISL_1144963, EPI_ISL_1144964, EPI_ISL_1144965, EPI_ISL_1144966, EPI_ISL_1144968, EPI_ISL_1144976, EPI_ISL_1144980, EPI_ISL_1144983, EPI_ISL_1144985	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1145019	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1145033	Sonic - Bioscientia - MVZ Labor Saar GmbH	Robert Koch Institute	unknown
EPI_ISL_1145039, EPI_ISL_1145040, EPI_ISL_1145085, EPI_ISL_1145130, EPI_ISL_1145195, EPI_ISL_1145198	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1145433, EPI_ISL_1145446, EPI_ISL_1145447, EPI_ISL_1145472	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145494, EPI_ISL_1145500, EPI_ISL_1145509, EPI_ISL_1145512, EPI_ISL_1145514, EPI_ISL_1145517, EPI_ISL_1145518, EPI_ISL_1145525, EPI_ISL_1145527	LADR Zentrallabor DR. Kramer & Kollegen Geesthacht	Robert Koch Institute	unknown

EPI_ISL_1145696, EPI_ISL_1145697, EPI_ISL_1145712, EPI_ISL_1145730, EPI_ISL_1145739, EPI_ISL_1145788, EPI_ISL_1145816, EPI_ISL_1145834, EPI_ISL_1145841, EPI_ISL_1145867, EPI_ISL_1145895, EPI_ISL_1145908				
see above	SYNLAB Jena Oncoscreen	Robert Koch Institute		unknown
EPI_ISL_1145921	Labor 28 MVZ GmbH	Robert Koch Institute		unknown
EPI_ISL_1146069	LabKom - Labor an der Salzbrücke MVZ GmbH	Robert Koch Institute		unknown
EPI_ISL_1146616, EPI_ISL_1146623, EPI_ISL_1146629, EPI_ISL_1146638, EPI_ISL_1146641, EPI_ISL_1146653, EPI_ISL_1146685, EPI_ISL_1146689, EPI_ISL_1146691, EPI_ISL_1146694, EPI_ISL_1146696, EPI_ISL_1146697, EPI_ISL_1146704				
see above	Diagnosticum - Labor Neukirchen	Robert Koch Institute		unknown
EPI_ISL_1146819	Universitätsklinikum Leipzig - Institut für Medizinische Mikrobiologie und Virologie virologisches Labor	Robert Koch Institute		unknown
EPI_ISL_1147278, EPI_ISL_1147304, EPI_ISL_1147315, EPI_ISL_1147317, EPI_ISL_1147319, EPI_ISL_1147333	MVZ Labor Dr. Limbach & Kollegen GbR	Robert Koch Institute		unknown
EPI_ISL_1147581	Herz- und Diabeteszentrum NRW: Universitätsklinik der Ruhr-Universität Bochum --> Institut für Laboratoriums- und Transfusionsmedizin	Robert Koch Institute		unknown
EPI_ISL_1147713	amedes MVZ DIAMEDIS Sennestadt	Robert Koch Institute		unknown
EPI_ISL_1148079, EPI_ISL_1148118, EPI_ISL_1148120, EPI_ISL_1148126, EPI_ISL_1148134, EPI_ISL_1148138	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute		unknown
EPI_ISL_1150138	Bioscientia Labor Wermsdorf	Robert Koch Institute		unknown
EPI_ISL_1151812, EPI_ISL_1151815, EPI_ISL_1151824, EPI_ISL_1151827, EPI_ISL_1151833, EPI_ISL_1151836, EPI_ISL_1151838, EPI_ISL_1151842, EPI_ISL_1151849, EPI_ISL_1151851, EPI_ISL_1151853, EPI_ISL_1151856, EPI_ISL_1151857, EPI_ISL_1151858, EPI_ISL_1151860, EPI_ISL_1151862, EPI_ISL_1151864, EPI_ISL_1151868, EPI_ISL_1151878, EPI_ISL_1151880, EPI_ISL_1151881, EPI_ISL_1151885, EPI_ISL_1151889				
see above	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute		unknown
EPI_ISL_1152572, EPI_ISL_1152573	Limbach - MVZ Labor Ravensburg Labor Dr. Gärtner	Robert Koch Institute		unknown
EPI_ISL_1152583	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute		unknown
EPI_ISL_1152595	Limbach - MVZ Labor Ravensburg Labor Dr. Gärtner	Robert Koch Institute		unknown
EPI_ISL_1153432, EPI_ISL_1153441	MDI Limbach Berlin GmbH	Robert Koch Institute		unknown
EPI_ISL_1154753	Bioscientia Labor Wermsdorf	Robert Koch Institute		unknown
EPI_ISL_1154781, EPI_ISL_1155031	Bioscientia MVZ Labor Karlsruhe GmbH	Robert Koch Institute		unknown
EPI_ISL_1155151	MDI Limbach Berlin GmbH	Robert Koch Institute		unknown
EPI_ISL_1155702, EPI_ISL_1155704, EPI_ISL_1155708	BIOMNIS LYON	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset	
EPI_ISL_1157303, EPI_ISL_1157309, EPI_ISL_1157327, EPI_ISL_1157341, EPI_ISL_1157343	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute		unknown
EPI_ISL_1157404	Northwestern Memorial Hospital	Northwestern University - Ozer Lab	Ramon Lorenzo-Redondo, Lacy M. Simons, Taylor J. Dean, Chad J. Achenbach, Lawrence J. Jennings, Chao Qi, Michael G. Ison, Judd F. Hultquist, Egon A. Ozer	
EPI_ISL_1158363, EPI_ISL_1158364, EPI_ISL_1158365, EPI_ISL_1158366, EPI_ISL_1158372, EPI_ISL_1158373, EPI_ISL_1158374, EPI_ISL_1158375	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories		Blankenship HM, Riner D, Soehnlén MK
EPI_ISL_1158604, EPI_ISL_1158605, EPI_ISL_1158606	Dutch COVID-19 response team	Medical Microbiology, Maastricht University Medical Centre	Jozef Dingemans*, Brian van der Veer*, Erik Beuken, Carmen Reumkens, Lieke van Alphen, Christian Hoebe, Paul Savelkoul	
EPI_ISL_1159139, EPI_ISL_1159145, EPI_ISL_1159147	HOSPITAL COMARCAL DE MELILLA	Instituto de Salud Carlos III	Vázquez-Morón,S. Iglesias-Caballero, M. Sandonís,V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I.ROMAN SOTO, SERGIO	
EPI_ISL_1159153	HOSPITAL UNIVERSITARIO VIRGEN DE LA ARRIXACA	Instituto de Salud Carlos III	Vázquez-Morón,S. Iglesias-Caballero, M. Sandonís,V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. MORENO PARRADO, LAURA	
EPI_ISL_1159159, EPI_ISL_1159160	HOSPITAL GENERAL UNIVERSITARIO SANTA LUCIA	Instituto de Salud Carlos III	Vázquez-Morón,S. Iglesias-Caballero, M. Sandonís,V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. BLAZQUEZ ABELLAN, ANA	
EPI_ISL_1159162, EPI_ISL_1159164, EPI_ISL_1159165, EPI_ISL_1159166	HOSPITAL GENERAL UNIVERSITARIO SANTA LUCIA	Instituto de Salud Carlos III	Sandonís,V. Vázquez-Morón, S. Iglesias-Caballero, M. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. BLAZQUEZ ABELLAN, ANA	
EPI_ISL_1159169, EPI_ISL_1159171	HOSPITAL SAN PEDRO DE ALCANTARA - C.D. 05	Instituto de Salud Carlos III	Sandonís,V. Vázquez-Morón, S. Iglesias-Caballero, M. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. RODRIGUEZ RODRIGUEZ, GUADALUPE	
EPI_ISL_1159183, EPI_ISL_1159184, EPI_ISL_1159187, EPI_ISL_1159188, EPI_ISL_1159189, EPI_ISL_1159190	HOSPITAL LOS ARCOS	Instituto de Salud Carlos III	Sandonís,V. Vázquez-Morón, S. Iglesias-Caballero, M. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. CAMARA SIMON, MARGARITA	
EPI_ISL_1159222	HOSPITAL GENERAL UNIVERSITARIO SANTA LUCIA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandonís,V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. BLAZQUEZ ABELLAN, ANA	
EPI_ISL_1163732	Houston Health Dept.	Houston Health Dept.	Ryker Penn, Pamela Brown, Adolpho Lara	
EPI_ISL_1164526, EPI_ISL_1164527	Charite Universitätsmedizin Berlin, Institut für Virologie/Labor Berlin	Charite Universitätsmedizin Berlin, Institut für Virologie	Victor M Corman, Barbara Mühlemann, Jörn Beheim-Schwarzbach, Talitha Veith, Julia Schneider, Terry Jones, Christian Drosten	
EPI_ISL_1165028, EPI_ISL_1165033, EPI_ISL_1165034, EPI_ISL_1165035, EPI_ISL_1165036, EPI_ISL_1165037	Division of Emerging Infectious Diseases, Bureau of Infectious Diseases Diagnosis Control, Korea Disease Control and Prevention Agency	Division of Emerging Infectious Diseases, Bureau of Infectious Diseases Diagnosis Control, Korea Disease Control and Prevention Agency	Ae Kyung Park, Il-Hwan Kim, Heui Man Kim, Jeong-Min Kim, Namjoo Lee, Chae Young Lee, Sang Hee Woo, Eun-Jin Kim	
EPI_ISL_1165934, EPI_ISL_1165935	BIOGROUP	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset	
EPI_ISL_1167198	HOSPITAL COMARCAL DE MELILLA	Instituto de Salud Carlos III	Vázquez-Morón,S. Iglesias-Caballero, M. Sandonís,V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I.ROMAN SOTO, SERGIO	
EPI_ISL_1168746, EPI_ISL_1168747, EPI_ISL_1168748, EPI_ISL_1168749, EPI_ISL_1168750, EPI_ISL_1168751, EPI_ISL_1168752, EPI_ISL_1168753, EPI_ISL_1168754, EPI_ISL_1168755, EPI_ISL_1168756				

see above	Tempus	Grubaugh Lab - Yale School of Public Health	Tara Alpert, Joseph Fauver, Anderson Brito, Mallery Breban, Anne Wyllie, Chantal Vogels, Mary Petrone, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_1169049	RSUP Adam Malik Medan Sumatera Utara	National Institute of Health Research and Development	Vivi Setiawaty, Hana Apsari Pawestri, Subangkit, Kartika Dewi Puspa, Arie Ardiansyah Nugraha, Hartanti Dian Ikawati, Nelly Puspandari
EPI_ISL_1171978, EPI_ISL_1172008, EPI_ISL_1172009	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1178148, EPI_ISL_1178150, EPI_ISL_1178151, EPI_ISL_1178152, EPI_ISL_1178153, EPI_ISL_1178154, EPI_ISL_1178155, EPI_ISL_1178156, EPI_ISL_1178157	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith,Andrew Nelson,Matthew Bashton,Greg R Young,Joshua Loh,John Allan,Mohammad A Tariq,Giles S Holt,Gary Black,Wen C Yew,Lynn Dover,Paul Baker,Steve Liggett,Sarah Essex,Jane Greenaway,Debra Padgett,Clive Graham,Garren Scott,Edward Barton,Emma Swindells,Brendan Payne,Jennifer Collins,Yusrî Taha,Gary Eltringham
EPI_ISL_1178433, EPI_ISL_1178434, EPI_ISL_1178436, EPI_ISL_1178437, EPI_ISL_1178444, EPI_ISL_1178448, EPI_ISL_1178450, EPI_ISL_1178456, EPI_ISL_1178458, EPI_ISL_1178460, EPI_ISL_1178462, EPI_ISL_1178464, EPI_ISL_1178467, EPI_ISL_1178468, EPI_ISL_1178469, EPI_ISL_1178470, EPI_ISL_1178484, EPI_ISL_1178488, EPI_ISL_1178501			
see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Ejumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1178854	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser
EPI_ISL_1179828, EPI_ISL_1179829	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysheer,Scott Elliott,Samuel Robson
EPI_ISL_1179891, EPI_ISL_1179892, EPI_ISL_1179893, EPI_ISL_1179894, EPI_ISL_1179895, EPI_ISL_1179896, EPI_ISL_1179897, EPI_ISL_1179898, EPI_ISL_1179899, EPI_ISL_1179900, EPI_ISL_1179901, EPI_ISL_1179902, EPI_ISL_1179903, EPI_ISL_1179904, EPI_ISL_1179905, EPI_ISL_1179906, EPI_ISL_1179907, EPI_ISL_1179908, EPI_ISL_1179909, EPI_ISL_1179910, EPI_ISL_1179912, EPI_ISL_1179913, EPI_ISL_1179914, EPI_ISL_1179915, EPI_ISL_1179916, EPI_ISL_1179917, EPI_ISL_1179918, EPI_ISL_1179919, EPI_ISL_1179920, EPI_ISL_1179921, EPI_ISL_1179922, EPI_ISL_1179923, EPI_ISL_1179924, EPI_ISL_1179925, EPI_ISL_1179926, EPI_ISL_1179927, EPI_ISL_1179928, EPI_ISL_1179929, EPI_ISL_1179930, EPI_ISL_1179931, EPI_ISL_1179932, EPI_ISL_1179934, EPI_ISL_1179938, EPI_ISL_1179939, EPI_ISL_1179940, EPI_ISL_1179941, EPI_ISL_1179942, EPI_ISL_1179943, EPI_ISL_1179944, EPI_ISL_1179946, EPI_ISL_1179947, EPI_ISL_1179948, EPI_ISL_1179949, EPI_ISL_1179950, EPI_ISL_1179964, EPI_ISL_1179966, EPI_ISL_1179967, EPI_ISL_1179968, EPI_ISL_1179969, EPI_ISL_1179970, EPI_ISL_1179971, EPI_ISL_1179972, EPI_ISL_1179973, EPI_ISL_1179974, EPI_ISL_1179979, EPI_ISL_1179980, EPI_ISL_1179981, EPI_ISL_1179982, EPI_ISL_1179984, EPI_ISL_1179985, EPI_ISL_1179986, EPI_ISL_1179987, EPI_ISL_1179988, EPI_ISL_1179989, EPI_ISL_1179997, EPI_ISL_1179998, EPI_ISL_1179999, EPI_ISL_1180000, EPI_ISL_1180001, EPI_ISL_1180002, EPI_ISL_1180003, EPI_ISL_1180004, EPI_ISL_1180005, EPI_ISL_1180007, EPI_ISL_1180008, EPI_ISL_1180009, EPI_ISL_1180010, EPI_ISL_1180011, EPI_ISL_1180013, EPI_ISL_1180014, EPI_ISL_1180016, EPI_ISL_1180018, EPI_ISL_1180020, EPI_ISL_1180021, EPI_ISL_1180022, EPI_ISL_1180029, EPI_ISL_1180030, EPI_ISL_1180031, EPI_ISL_1180032, EPI_ISL_1180033, EPI_ISL_1180034, EPI_ISL_1180035, EPI_ISL_1180036, EPI_ISL_1180037, EPI_ISL_1180038, EPI_ISL_1180039, EPI_ISL_1180040, EPI_ISL_1180041, EPI_ISL_1180042, EPI_ISL_1180043, EPI_ISL_1180044, EPI_ISL_1180045, EPI_ISL_1180046, EPI_ISL_1180050, EPI_ISL_1180051, EPI_ISL_1180052			
see above	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_1180089	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Angyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1180516, EPI_ISL_1180519, EPI_ISL_1180527, EPI_ISL_1180529, EPI_ISL_1180531, EPI_ISL_1180541, EPI_ISL_1180543, EPI_ISL_1180545, EPI_ISL_1180548	National Virus Reference Laboratory	National Virus Reference Laboratory	Guerrino Macori, Gabriel Gonzalez, Michael Carr, Zoe Yandle, Charlene Bennett, Jonathan Dean, Seamus Fanning, Cillian F De Gascun
EPI_ISL_1181959	CHU GRENOBLE	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolynne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1182028	Connecticut DPH	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Anthony Muyombwe, Randy Downing, Jafar Razeq, Stephen M. Bart, Nathan Grubaugh
EPI_ISL_1191072, EPI_ISL_1191074	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1191628, EPI_ISL_1191629	AZ Zeno	AZ SINT-JAN BRUGGE	Marijke Reynders, Patrick Descheemaeker, Laurien Hoornaert, Thomas Van Landschoot, Jorn Hellemans
EPI_ISL_1192173, EPI_ISL_1192186, EPI_ISL_1192211, EPI_ISL_1192212, EPI_ISL_1192213	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1192225	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1193261, EPI_ISL_1193277, EPI_ISL_1193291, EPI_ISL_1193292	Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhwani Batra, Ben L. Rambo-Martin, Minoo Agarwal, Eyad Almasri Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1194380, EPI_ISL_1194382, EPI_ISL_1194397	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhwani Batra, Ben L. Rambo-Martin, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1195308, EPI_ISL_1195329	Institute of Virology, Medical Center, University of Freiburg, Freiburg, Germany	Institute of Virology, Clinal Virus Genomics, Medical Center, University of Freiburg, Freiburg, Germany	Jonas Fuchs, Lisa Kern, Sandra Reuter, Hajo Grundmann, Marcus Panning
EPI_ISL_1198873, EPI_ISL_1198876, EPI_ISL_1198883, EPI_ISL_1198884, EPI_ISL_1198885, EPI_ISL_1198886, EPI_ISL_1198887, EPI_ISL_1198888, EPI_ISL_1198889, EPI_ISL_1198890, EPI_ISL_1198896, EPI_ISL_1198897, EPI_ISL_1198898, EPI_ISL_1198899, EPI_ISL_1198900, EPI_ISL_1198901, EPI_ISL_1198902, EPI_ISL_1198903, EPI_ISL_1198904, EPI_ISL_1198905, EPI_ISL_1198906, EPI_ISL_1198907, EPI_ISL_1198916, EPI_ISL_1198917, EPI_ISL_1198919, EPI_ISL_1198920, EPI_ISL_1198921, EPI_ISL_1198922, EPI_ISL_1198925, EPI_ISL_1198926, EPI_ISL_1198927, EPI_ISL_1198928, EPI_ISL_1198929, EPI_ISL_1198930, EPI_ISL_1198933, EPI_ISL_1198934, EPI_ISL_1199749, EPI_ISL_1199752, EPI_ISL_1199753, EPI_ISL_1199754, EPI_ISL_1199785, EPI_ISL_1199809, EPI_ISL_1199811, EPI_ISL_1199812, EPI_ISL_1199813, EPI_ISL_1199814, EPI_ISL_1199815			
see above	Swedish national genomic surveillance program of SARS-CoV-2	The Public Health Agency of Sweden	Swedish national genomic surveillance program of SARS-CoV-2
EPI_ISL_1208582, EPI_ISL_1208602	Microbiology Department, Laboratori Clinic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol.	Can Ruti SARS-CoV-2 Sequencing Hub (HUGTIP/IrsiCaixa/IGTP)	Marc Noguera-Julian, Pilar Armengol, Ignacio Blanco, Antoni E Bordoy, Francesc Catala-Moll, Pere-Joan Cardona, Julia G Prado, Carol Galvez Maria Casadellà, Cristina Casañ, Gemma Clara, Irina Pey, Jordi Barretina,Bonaventura Clotet, Cristina Esteban, Montserrat Giménez, Anna Not, Roger Paredes, Mariona Parera, Verónica Saludes, Alba Sánchez, Jose Francisco Sánchez, Lauro Sumoy, and Elisa Martró on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.
EPI_ISL_1209547, EPI_ISL_1209572, EPI_ISL_1209578, EPI_ISL_1209579, EPI_ISL_1209580, EPI_ISL_1209581, EPI_ISL_1209609, EPI_ISL_1209755, EPI_ISL_1209756, EPI_ISL_1209757, EPI_ISL_1209758, EPI_ISL_1209759			
see above	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valencí, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor

EPI_ISL_1211433, EPI_ISL_1211434	Labor Becker & Kollegen (Standort München)	Robert Koch Institute	unknown
EPI_ISL_1214275, EPI_ISL_1214312, EPI_ISL_1214343, EPI_ISL_1214345, EPI_ISL_1214363, EPI_ISL_1214485, EPI_ISL_1214564, EPI_ISL_1214594, EPI_ISL_1214608, EPI_ISL_1214611, EPI_ISL_1214646, EPI_ISL_1214648, EPI_ISL_1214712, EPI_ISL_1214713, EPI_ISL_1214734, EPI_ISL_1214744, EPI_ISL_1214871, EPI_ISL_1214892, EPI_ISL_1214897, EPI_ISL_1214902, EPI_ISL_1214907, EPI_ISL_1214938, EPI_ISL_1214991, EPI_ISL_1215031, EPI_ISL_1215036, EPI_ISL_1215046, EPI_ISL_1215174, EPI_ISL_1215244			
see above	SARS-CoV-2 Sequencing Castilla y Leon-Spain Consortium	SARS-CoV-2 Sequencing Castilla y Leon-Spain Consortium	Antonio Orduña-Domingo, Marta Hernandez, David Abad, Marta Dominguez-Gil, Silvia Rojo, Laura Sánchez de Prada, Sonsoles Garcinuño Pérez, Carmen Aldea-Mansilla, Mª Fe Bremes-Valdivieso, Gregoria Megías Lobón, María Antonia García Castro, Carmen Gimeno Crespo, Noelia Arenal Andrés, Carlos Fuster Foz, M. Isabel Fernandez-Natal, Jose María Eiros Bouza
EPI_ISL_1215784	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute	unknown
EPI_ISL_1216945	MVZ für Laboratoriumsmedizin und Mikrobiologie Koblenz-Mittelrhein (Labor Koblenz)	Robert Koch Institute	unknown
EPI_ISL_1223167, EPI_ISL_1223193, EPI_ISL_1223236, EPI_ISL_1223246, EPI_ISL_1223258, EPI_ISL_1223265, EPI_ISL_1223270, EPI_ISL_1223283, EPI_ISL_1223285, EPI_ISL_1223357, EPI_ISL_1224517, EPI_ISL_1224537, EPI_ISL_1224567, EPI_ISL_1224585, EPI_ISL_1224594, EPI_ISL_1224604, EPI_ISL_1224608, EPI_ISL_1224614, EPI_ISL_1224626, EPI_ISL_1224639, EPI_ISL_1224642, EPI_ISL_1224670, EPI_ISL_1224700, EPI_ISL_1224705			
see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1224771	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1225016, EPI_ISL_1225019, EPI_ISL_1225020	Texas Department of State Health Services	Texas Department of State Health Services	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedruza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1225154	Hospital Clínico Universitario Lozano Blesa de Zaragoza (España)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Rafael Benito, Sonia Algarate, Jessica Bueno and SeqCOVID-SPAIN consortium
EPI_ISL_1226605	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1231532, EPI_ISL_1231534, EPI_ISL_1231535, EPI_ISL_1231536, EPI_ISL_1231604, EPI_ISL_1231605, EPI_ISL_1231607, EPI_ISL_1231608, EPI_ISL_1231609, EPI_ISL_1231611, EPI_ISL_1231612, EPI_ISL_1231613, EPI_ISL_1231614, EPI_ISL_1231616, EPI_ISL_1231617, EPI_ISL_1231619, EPI_ISL_1231620, EPI_ISL_1231627, EPI_ISL_1231728			
see above	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1231963	Klinisk Mikrobiologi	The Public Health Agency of Sweden	Anna-Malin Linde, Maria Lind Karlberg, Carlo Berg, Oskar Karlsson Lindsjo, Sofia Stamouli, Reza Advani, Mattias Haukland, Petra Holmstrom, Noura Walai, Petra Edquist, Mia Bryting, Anna Risberg, Karin Tegmark-Wisell
EPI_ISL_1233504, EPI_ISL_1233505, EPI_ISL_1233507, EPI_ISL_1233508	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1233871	Kashi Clinical Laboratory	Kashi Clinical Laboratory	Zahra Kashi, Jenefer DeKoning
EPI_ISL_1235660, EPI_ISL_1235661, EPI_ISL_1235662, EPI_ISL_1235663	Nigerian Centre for Disease Control (NCDC)	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University	Olawoye, I.B., et.al
EPI_ISL_1239920, EPI_ISL_1239921, EPI_ISL_1239922, EPI_ISL_1239923, EPI_ISL_1239924, EPI_ISL_1239925, EPI_ISL_1239926, EPI_ISL_1239927, EPI_ISL_1239928, EPI_ISL_1239929, EPI_ISL_1239940, EPI_ISL_1239954, EPI_ISL_1239968, EPI_ISL_1239970			
see above	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_1242051, EPI_ISL_1242056, EPI_ISL_1242082, EPI_ISL_1242087, EPI_ISL_1242088, EPI_ISL_1242091, EPI_ISL_1242117, EPI_ISL_1242150, EPI_ISL_1242169, EPI_ISL_1242170, EPI_ISL_1242174, EPI_ISL_1242177, EPI_ISL_1242178, EPI_ISL_1242182, EPI_ISL_1242197, EPI_ISL_1242221, EPI_ISL_1242236, EPI_ISL_1242252			
see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1247526	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_1247691, EPI_ISL_1247692, EPI_ISL_1247728, EPI_ISL_1247730	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1247823, EPI_ISL_1247824, EPI_ISL_1247825, EPI_ISL_1247827	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscox, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1248160, EPI_ISL_1248161, EPI_ISL_1248162, EPI_ISL_1248169, EPI_ISL_1248170, EPI_ISL_1248171, EPI_ISL_1248177, EPI_ISL_1248180, EPI_ISL_1248189, EPI_ISL_1248197, EPI_ISL_1248199, EPI_ISL_1248200, EPI_ISL_1248262, EPI_ISL_1248531			
see above	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1248945, EPI_ISL_1248947, EPI_ISL_1248950, EPI_ISL_1248951, EPI_ISL_1248953, EPI_ISL_1248955, EPI_ISL_1248956, EPI_ISL_1248958, EPI_ISL_1248959, EPI_ISL_1248961, EPI_ISL_1248962, EPI_ISL_1248979, EPI_ISL_1248984, EPI_ISL_1248987, EPI_ISL_1248994, EPI_ISL_1248999, EPI_ISL_1249004, EPI_ISL_1249008, EPI_ISL_1249013, EPI_ISL_1249014, EPI_ISL_1249019, EPI_ISL_1249025, EPI_ISL_1249027, EPI_ISL_1249028			
see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consuom	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Eiumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1249224, EPI_ISL_1249241	Oxford Virotics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser
EPI_ISL_1249257	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscox, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1250029	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysher, Scott Elliott, Samuel Robson
EPI_ISL_1250123	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_1251842, EPI_ISL_1251861, EPI_ISL_1251884, EPI_ISL_1251888, EPI_ISL_1251907, EPI_ISL_1251909	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1251919	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes

EPI_ISL_1251920	Norwegian Institute of Public Health, Department of Virology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1251926	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1251939	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1251959	Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1252008	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1252009	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1252119, EPI_ISL_1252125	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennett, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1259242, EPI_ISL_1259246, EPI_ISL_1259247, EPI_ISL_1259248	LHUB-ULB	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_1259250	Laboratoire Hospitalier Universitaire de Bruxelles (LHUB-ULB)	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_1259256	LHUB-ULB	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_1261293	GHC Genetics s.r.o.	National Reference Laboratory for Influenza and Respiratory Viruses CZE	Helena Jirincova, Jaromira Vecerova, Timotej Suri, Dusan Trnka, Alexander Nagy
EPI_ISL_1261480	COMPLEJO HOSPITALARIO UNIVERSITARIO LA CORUÑA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandomis, V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Peña, F. J. Garcia, I. Antequera, P.
EPI_ISL_1262039	HOSPITAL J.M. MORALES MESEGUER	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandomis, V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Antequera, P.
EPI_ISL_1265623, EPI_ISL_1265624	CHUGA-IBP-laboratoire de Virologie	IBP-laboratoire de virologie	Sylvie Larrat, Patrice Morand, Pascal Poignard, Raphaël Germi, Julien Lupo, Anne Signori -Schmuck , Anne-Karen Faure, Benjamin Nemoz, Aurélie Truffot, Léa Ponderand, Julien Andréani
EPI_ISL_1272439, EPI_ISL_1272494	Hospital General Universitario Gregorio Marañón	SeqCOVID-SPAIN consortium/IBV(CSIC)	Dario García de Viedma, Laura Pérez-Lago, Pedro J Sola-Campoy, Sergio Buenestado-Serrano, Marta Herranz, Victor Manuel de la Cueva, Julia Suárez, Pilar Catalán, Patricia Muñoz and SeqCOVID-SPAIN consortium
EPI_ISL_1273214	Oxford University Clinical Research Unit (OUCRU)	Oxford University Clinical Research Unit (OUCRU)	Nguyen Van Vinh Chau, Nguyen Thi Thu Hong, Nghiem My Ngoc, Nguyen To Anh, Huynh Trung Trieu, Le Nguyen Truc Nhu, Lam Minh Yen, Ngo Ngoc Quang Minh, Nguyen Thanh Phong, Nguyen Thanh Truong, le Thi Thu Huong, Tran Nguyen Hoang Tu, Le Manh Hung, Tran Tan Thanh, Nguyen Thanh Dung, Nguyen Tri Dung, Guy Thwaites, Le Van Tan
EPI_ISL_1273644, EPI_ISL_1273645, EPI_ISL_1273648, EPI_ISL_1273654, EPI_ISL_1273655, EPI_ISL_1273657	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1278020	GA Department of Public Health	GA Department of Public Health	Stacy Reeves, Jonathan Edwards, Cynthia Dixey, Tonia Parrott, Aliyah Fields, Taylor Smith
EPI_ISL_1278396, EPI_ISL_1278432, EPI_ISL_1278438, EPI_ISL_1278465, EPI_ISL_1278491, EPI_ISL_1278529, EPI_ISL_1278541, EPI_ISL_1278545, EPI_ISL_1278546, EPI_ISL_1278752, EPI_ISL_1278753, EPI_ISL_1278754, EPI_ISL_1278755, EPI_ISL_1278756, EPI_ISL_1278834, EPI_ISL_1278889	see above	Clalit Health Services Laboratories, Israel	Stern Lab
EPI_ISL_1278985, EPI_ISL_1278986, EPI_ISL_1278987, EPI_ISL_1278992, EPI_ISL_1278996, EPI_ISL_1278997, EPI_ISL_1279004, EPI_ISL_1279005, EPI_ISL_1279006, EPI_ISL_1279007, EPI_ISL_1279008, EPI_ISL_1279009, EPI_ISL_1279011, EPI_ISL_1279013, EPI_ISL_1279015, EPI_ISL_1279020, EPI_ISL_1279022, EPI_ISL_1279023, EPI_ISL_1279024, EPI_ISL_1279038, EPI_ISL_1279039, EPI_ISL_1279040, EPI_ISL_1279042, EPI_ISL_1279044, EPI_ISL_1279046, EPI_ISL_1279050, EPI_ISL_1279051, EPI_ISL_1279052, EPI_ISL_1279054, EPI_ISL_1279055, EPI_ISL_1279056, EPI_ISL_1279059, EPI_ISL_1279060, EPI_ISL_1279074, EPI_ISL_1279078, EPI_ISL_1279081, EPI_ISL_1279082, EPI_ISL_1279083, EPI_ISL_1279084, EPI_ISL_1279085, EPI_ISL_1279086, EPI_ISL_1279087, EPI_ISL_1279088, EPI_ISL_1279089, EPI_ISL_1279093	see above	Department of Virology and Immunology, University of Helsinki and Helsinki University Hospital, Huslab Finland	Teemu Smura, Ravi Kant, Phuoc Truong, Hussein Alburkat, Hannimari Kallio-Kokko, Jenni Virtanen, Maija Suvanto, Essi Korhonen, Sari Hannula, Harri Kangas, Hanna Liimatainen, Satu Kurkela, Hanna Jarva, Maija Lappalainen, Pekka Ellonen, Olli Vapalahti
EPI_ISL_1290059, EPI_ISL_1290297	Swedish national genomic surveillance program of SARS-CoV-2	The Public Health Agency of Sweden	Swedish national genomic surveillance program of SARS-CoV-2
EPI_ISL_1291310, EPI_ISL_1291340, EPI_ISL_1291364, EPI_ISL_1291374, EPI_ISL_1291375	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1296587, EPI_ISL_1296589, EPI_ISL_1296590, EPI_ISL_1296591, EPI_ISL_1296592, EPI_ISL_1296593, EPI_ISL_1296594, EPI_ISL_1296595, EPI_ISL_1296596, EPI_ISL_1296597, EPI_ISL_1296598	see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_1296837	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1297206, EPI_ISL_1297215, EPI_ISL_1297217, EPI_ISL_1297319, EPI_ISL_1297320, EPI_ISL_1297322, EPI_ISL_1297323, EPI_ISL_1297324, EPI_ISL_1297326, EPI_ISL_1297328, EPI_ISL_1297331, EPI_ISL_1297332, EPI_ISL_1297333, EPI_ISL_1297338, EPI_ISL_1297340, EPI_ISL_1297341, EPI_ISL_1297342, EPI_ISL_1297343, EPI_ISL_1297349, EPI_ISL_1297350, EPI_ISL_1297351, EPI_ISL_1297352, EPI_ISL_1297353, EPI_ISL_1297354, EPI_ISL_1297355, EPI_ISL_1297356, EPI_ISL_1297357, EPI_ISL_1297359, EPI_ISL_1297360, EPI_ISL_1297361, EPI_ISL_1297362, EPI_ISL_1297363, EPI_ISL_1297364, EPI_ISL_1297365, EPI_ISL_1297366, EPI_ISL_1297367, EPI_ISL_1297368, EPI_ISL_1297369, EPI_ISL_1297370, EPI_ISL_1297371, EPI_ISL_1297372, EPI_ISL_1297373, EPI_ISL_1297374, EPI_ISL_1297375, EPI_ISL_1297376, EPI_ISL_1297377, EPI_ISL_1297378, EPI_ISL_1297379, EPI_ISL_1297380, EPI_ISL_1297382, EPI_ISL_1297383, EPI_ISL_1297424, EPI_ISL_1297425, EPI_ISL_1297426, EPI_ISL_1297427, EPI_ISL_1297429, EPI_ISL_1297430, EPI_ISL_1297432, EPI_ISL_1297433, EPI_ISL_1297434, EPI_ISL_1297439, EPI_ISL_1297442, EPI_ISL_1297443, EPI_ISL_1297444, EPI_ISL_1297445, EPI_ISL_1297446, EPI_ISL_1297447, EPI_ISL_1297448, EPI_ISL_1297449, EPI_ISL_1297450, EPI_ISL_1297451, EPI_ISL_1297452, EPI_ISL_1297453, EPI_ISL_1297460, EPI_ISL_1297461, EPI_ISL_1297462, EPI_ISL_1297465, EPI_ISL_1297467, EPI_ISL_1297468, EPI_ISL_1297469, EPI_ISL_1297470, EPI_ISL_1297471	see above	BIOMNIS LYON	CNR Virus des Infections Respiratoires - France SUD
EPI_ISL_1299857, EPI_ISL_1299859, EPI_ISL_1299860, EPI_ISL_1299882, EPI_ISL_1299883	Unit of lab surveillance of viral emerging diseases, National Lab of Influenza	Respiratory Virus Unit, National Infection Service, Public Health England	PHE Covid Sequencing Team, Iris Hasibra, Prof Silvia Bino, Prof Albana Fico
EPI_ISL_1300353, EPI_ISL_1300367, EPI_ISL_1300385	Texas Department of State Health Services - TXDSHS	Texas Department of State Health Services - TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1302054	National Center of Infectious and Parasitic Diseases	National Center of Infectious and Parasitic Diseases	Alexiev et al
EPI_ISL_1302806, EPI_ISL_1302807, EPI_ISL_1302810, EPI_ISL_1302811, EPI_ISL_1302812, EPI_ISL_1302816, EPI_ISL_1302817, EPI_ISL_1302818	ADMED Microbiologie	Genomics and Transcriptomics, Philip Morris International	Reto Lienhard, Marie-Lise Tritten, Emmanuel Guedj, Nicolas Sierro, Rémi Dulize, David Bornand, Mehdi Auberson, Maxime Berthouzo, Nikolai Ivanov, Manuel Peitsch
EPI_ISL_1303800	Houston Methodist Hospital	Houston Methodist Hospital	S. Wesley Long, Randall J. Olsen, Paul A. Christensen, Sishir Subedi, Robert Olson, James J. Davis, Matthew Ojeda Saavedra, Prasanti Yerramilli, Layne Pruitt, Kristina Reppond, Madison N. Shyer, Jessica Cambric, Ilya J. Finkelstein, Jimmy Gollihar, and James M. Musser
EPI_ISL_1306229	Department of Laboratory Medicine, Clinical Center, National Institutes of Health	Laboratory of Parasitic Diseases, Systems Genomics Section, National Institute of Allergy and Infectious Diseases, National Institutes of Health	Allison Roder, Stephanie Banakis, Matthew Chung, Jung-ho Yoon, Rachel Mercado, Wei Wang, Tara Palmore, Michael Bell, Heike Bailin, Jessica McCormick-Ell, Sanchita Das, Jennifer Kwan, Elodie Ghedin

EPI_ISL_1308567, EPI_ISL_1308568, EPI_ISL_1308579	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton,Aaron Jeffries,Michelle Michelsen,Joanna Warwick-Dugdale,Audrey Farbos,Robyn Manley,Stephen Michell,Jane Masoli
EPI_ISL_1308706, EPI_ISL_1308822	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1309060, EPI_ISL_1309122	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1311020, EPI_ISL_1311098, EPI_ISL_1311100, EPI_ISL_1311111, EPI_ISL_1311112, EPI_ISL_1311169, EPI_ISL_1311182	Dutch COVID-19 response team	Erasmus Medical Center	Bas Oude Munnink, Reina Sikkema, David Nieuwenhuijse, Irina Chestakova, Anne van der Linden, Marjan Boter, Emmanuelle Munger, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.
EPI_ISL_1311926, EPI_ISL_1311947	Hospital General Universitario de Alicante - Instituto de Investigación Sanitaria y Biomédica de Alicante	SeqCOVID-SPAIN consortium/IBV(CSIC)	Maripaz Ventero Martin, Carmen Molina Pardines and SeqCOVID-SPAIN consortium
EPI_ISL_1312380, EPI_ISL_1312381, EPI_ISL_1313053, EPI_ISL_1313054, EPI_ISL_1313055, EPI_ISL_1313056, EPI_ISL_1313057, EPI_ISL_1313058, EPI_ISL_1313059, EPI_ISL_1313060, EPI_ISL_1313061, EPI_ISL_1313062, EPI_ISL_1313063, EPI_ISL_1313064, EPI_ISL_1313065, EPI_ISL_1313066, EPI_ISL_1313067, EPI_ISL_1313068, EPI_ISL_1313069, EPI_ISL_1313070, EPI_ISL_1313071, EPI_ISL_1313072, EPI_ISL_1313073, EPI_ISL_1313074, EPI_ISL_1313075, EPI_ISL_1313076, EPI_ISL_1313077, EPI_ISL_1313078, EPI_ISL_1313079, EPI_ISL_1313085, EPI_ISL_1313086, EPI_ISL_1313087, EPI_ISL_1313088, EPI_ISL_1313089, EPI_ISL_1313090			
see above	BIOMNIS LYON	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1313091, EPI_ISL_1313092	LABORATOIRE ANABIO BERGSON	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1313093, EPI_ISL_1313094, EPI_ISL_1313095, EPI_ISL_1313096, EPI_ISL_1313097, EPI_ISL_1313098, EPI_ISL_1313110, EPI_ISL_1313111, EPI_ISL_1313112, EPI_ISL_1313113, EPI_ISL_1313118, EPI_ISL_1313119			
see above	BIOMNIS LYON	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1317228	Innlandet Hospital Trust, Division Lillehammer, Department for Medical Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317249, EPI_ISL_1317250	Norwegian Institute of Public Health, Department of Virology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317251	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317252, EPI_ISL_1317253	Department of Medical Microbiology, St. Olavs hospital	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317295	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317296, EPI_ISL_1317297, EPI_ISL_1317298	Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317299	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317300, EPI_ISL_1317597, EPI_ISL_1317598	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317857	Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1321820, EPI_ISL_1321823, EPI_ISL_1321824	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1322040	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1323431	Illinois Department of Public Health	Gagnon Lab, Southern Illinois University	Keith Gagnon
EPI_ISL_1324036, EPI_ISL_1324037	Dutch COVID-19 response team	Erasmus Medical Center	Bas Oude Munnink, Reina Sikkema, David Nieuwenhuijse, Irina Chestakova, Anne van der Linden, Marjan Boter, Emmanuelle Munger, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.
EPI_ISL_1333480	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1334458, EPI_ISL_1334461, EPI_ISL_1334474, EPI_ISL_1334479, EPI_ISL_1334480, EPI_ISL_1334481	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1336268	LHUB-ULB	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheussen, Herman Goossens
EPI_ISL_1347914, EPI_ISL_1347915	Instituto Nacional de Investigación em Saúde	KRISP, KZN Research Innovation and Sequencing Platform	Morais J, Neto Z, Afonso P, Miranda J, David K, Inglês L, Pereira A, Paulo A Carralero RR Paixão JP, Freitas RH, Mufinda M, Lutucuta S, Giandhari J, Pillay S, Naidoo Y, Emmanuel SJ, Tegally H, Wilkinson E, de Oliveira T
EPI_ISL_1349612, EPI_ISL_1349613, EPI_ISL_1349617	Landesgesundheitsamt Baden-Württemberg	Robert Koch Institute	unknown
EPI_ISL_1359746	CHU ST ETIENNE	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359748, EPI_ISL_1359749	CNR Virus des Infections Respiratoires - France SUD	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359786	CH GIVORS	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359802, EPI_ISL_1359808, EPI_ISL_1359809, EPI_ISL_1359812	BIOGROUP MOUANS SARTOUX	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359858	CNR Virus des Infections Respiratoires - France SUD	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359863, EPI_ISL_1359865	BIOGROUP MOUANS SARTOUX	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359965	BIOMNIS LYON	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359966, EPI_ISL_1359967	BIOGROUP MOUANS SARTOUX	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1359968	HOPITAL UNIVERSITAIRE DE FORT DE FRANCE	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1364519	Stanford Health Care	Stanford University School of Medicine, Clinical Virology Laboratory	Daniel Solis, Mamdouh Sibai, Fumiko Yamamoto, Malaya K. Sahoo, Michelle Verghese, ChunHong Huang, James Zehnder, and Benjamin A. Pinsky
EPI_ISL_1369062, EPI_ISL_1369063,	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt

EPI_ISL_1369065, EPI_ISL_1369069 EPI_ISL_1369218	Centro de Investigación Biomédica de La Rioja - Hospital San Pedro Logroño	SeqCOVID-SPAIN consortium/IBV(CSIC)	María de Toro, José Manuel Azcona Gutiérrez, María Pilar Bea Escudero, Miriam Blasco Alberdi and SeqCOVID-SPAIN consortium
EPI_ISL_1373845, EPI_ISL_1373857, EPI_ISL_1373868	CDPH, Viral and Rickettsial Disease Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Brian Lynch, Anna Kelleher, Krista Queen, Anna Uehara, Peter Cook, Han Jia Justin Ng, Clinton R. Paden, Haibin Wang, Suxiang Tong
EPI_ISL_1381317	Laboratory for Respiratory Viruses, Cantacuzino National Military-Medical Institute for Research and Development	Cantacuzino Institute Virology	Luiza Ustea, Nicoleta Paraschiv, Catalina Pascu, Sorin Dinu, Mihaela Lazar
EPI_ISL_1382864, EPI_ISL_1382865, EPI_ISL_1382866, EPI_ISL_1382867, EPI_ISL_1382868, EPI_ISL_1382869, EPI_ISL_1382870, EPI_ISL_1382871	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Tony Wawina-Bokalanga, Bert Vanmechelen, Joan Marti-Carerras, Piet Maes
EPI_ISL_1383331, EPI_ISL_1383332, EPI_ISL_1383333, EPI_ISL_1383343, EPI_ISL_1383348, EPI_ISL_1383349, EPI_ISL_1383351, EPI_ISL_1383353, EPI_ISL_1383356, EPI_ISL_1383357, EPI_ISL_1383359, EPI_ISL_1383362, EPI_ISL_1383364			
see above	Laboratoire national de sante, Microbiology, Virology	Laboratoire national de sante, Microbiology, Microbial Genomics Platform	Anke Wienecke-Baldacchino, Catherine Ragimbeau, Jessica Tapp, Fatu Djabi, Lise Pignon, Raoul Salmon, Trung Nguyen Nguyen, Tamir Abdelrahman
EPI_ISL_1383833, EPI_ISL_1383837, EPI_ISL_1383842, EPI_ISL_1383844, EPI_ISL_1383847	Hospital Center Emile Mayrisch	Laboratoire national de sante, Microbiology, Microbial Genomics Platform	Anke Wienecke-Baldacchino, Catherine Ragimbeau, Jessica Tapp, Fatu Djabi, Lise Pignon, Raoul Salmon, Cynthia Oxacelay, Tamir Abdelrahman
EPI_ISL_1384050, EPI_ISL_1384051	Hospital Center Luxembourg	Laboratoire national de sante, Microbiology, Microbial Genomics Platform	Anke Wienecke-Baldacchino, Catherine Ragimbeau, Jessica Tapp, Fatu Djabi, Lise Pignon, Raoul Salmon, Michel Kohnen, Jean-Hugues Francois, Tamir Abdelrahman
EPI_ISL_1384559, EPI_ISL_1384562	Laboratoires Reunis	Laboratoire national de sante, Microbiology, Microbial Genomics Platform	Anke Wienecke-Baldacchino, Catherine Ragimbeau, Jessica Tapp, Fatu Djabi, Lise Pignon, Raoul Salmon, Bernard Weber, Tamir Abdelrahman
EPI_ISL_1387213, EPI_ISL_1387216, EPI_ISL_1387217, EPI_ISL_1387225	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser
EPI_ISL_1388162	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388170, EPI_ISL_1388174, EPI_ISL_1388351	Rothen Medizinische Laboratorien AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Ingrid Steffen, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388373	Viollier AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Christiane Beckmann, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388449, EPI_ISL_1388451	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388554, EPI_ISL_1388558	Viollier AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Christiane Beckmann, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1391295, EPI_ISL_1391308, EPI_ISL_1391323	Motol University Hospital	Institute of Applied Biotechnologies a.s.	Petr Klempert, Ondej Brzo, Martin Kašný, Kateina Kvapilová, Pavel Devínek, Petr Kvapil
EPI_ISL_1394608	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1405664	UCSC Genomics Institute	UCSC Genomics Institute	Mark Akeson, Ikenna Anigbogu, Eric Beraut, Isabel Bjork, Molly Cassatt-Johnstone, Terren Chang, Russell Corbett-Detig, Namrita Dhillon, Maximilian Haeussler, David Haussler, Angie Hinrichs, Miten Jain, Joshua Kapp, A. Marm Kilpatrick, Jakob McBroome, Hugh Olsen, Jeremy Sanford, Beth Shapiro, Michael Stone, Bryan Thornlow, Yatish Turakhia
EPI_ISL_1419956	Swedish national genomic surveillance program of SARS-CoV-2	The Public Health Agency of Sweden	Swedish national genomic surveillance program of SARS-CoV-2
EPI_ISL_1423633, EPI_ISL_1423651, EPI_ISL_1423653, EPI_ISL_1423654, EPI_ISL_1423655, EPI_ISL_1423664	Servicio de Microbiología Clínica (Complejo Hospitalario de Navarra, Pamplona), Instituto de Investigación Sanitaria de Navarra (IdiSNA)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Carmen Ezpeleta Baquedano, Ana Navascués, Ana Miqueleiz and SeqCOVID-SPAIN consortium
EPI_ISL_1423734	Laboratori de Referència de Catalunya	SeqCOVID-SPAIN consortium/IBV(CSIC)	Aida Esperanza Ramírez Marinerio, Eduardo Padilla León, Alba Vilas Basil, Mireia Canal Aranda and SeqCOVID-SPAIN consortium
EPI_ISL_1423931	Hospital Universitario Virgen de las Nieves de Granada-SAS	SeqCOVID-SPAIN consortium/IBV(CSIC)	Sara Sanbonmatsu Gámez, Irene Pedrosa Corral, José M. Navarro-Mari and SeqCOVID-SPAIN consortium
EPI_ISL_1425583, EPI_ISL_1425584, EPI_ISL_1425585	Saitama Prefectural Institute of Public Health	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Minoru Nagi, Ken Miyazawa, Takashi Sakudoh, Nozomu Hanaoka, Tsuguto Fujimoto, Makoto Kuroda
EPI_ISL_1425591, EPI_ISL_1425593, EPI_ISL_1425595, EPI_ISL_1425596, EPI_ISL_1425599	SARS-CoV-2 testing team, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Tadashi Kikuchi, Hiroshi Ishii, Shigeru Kusagawa, Makoto Kuroda
EPI_ISL_1426572	SARS-CoV-2 testing team, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Hidemasa Izumiya, Hideyuki Takahashi, Masatomo Morita, Nobuo Koizumi, , Makoto Kuroda
EPI_ISL_1426587, EPI_ISL_1426588	SARS-CoV-2 testing team, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Daisuke Kobayashi, Kousho Wakae, Hussein H. Aly, Kento Fukano, Takanobu Kato, Makoto Kuroda
EPI_ISL_1427581	SARS-CoV-2 testing team, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Daisuke Kobayashi, Kento Fukano, Hussein H. Aly, Takanobu Kato, , Makoto Kuroda
EPI_ISL_1428574, EPI_ISL_1428575, EPI_ISL_1428576, EPI_ISL_1428577, EPI_ISL_1428578, EPI_ISL_1428579, EPI_ISL_1428580, EPI_ISL_1428581, EPI_ISL_1428582, EPI_ISL_1428583, EPI_ISL_1428584, EPI_ISL_1428585, EPI_ISL_1428586, EPI_ISL_1428587			
see above	Niigata Prefectural Institute of Public Health and Environmental Sciences	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Minoru Nagi, Ken Miyazawa, Takashi Sakudoh, Nozomu Hanaoka, Tsuguto Fujimoto, Makoto Kuroda
EPI_ISL_1429587	Osaka Institute of Public Health, Morinomiya Center	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Minoru Nagi, Ken Miyazawa, Takashi Sakudoh, Nozomu Hanaoka, Tsuguto Fujimoto, Makoto Kuroda
EPI_ISL_1443812	GA Department of Public Health	GA Department of Public Health	Stacy Reeves, Jonathan Edwards, Cynthia Dixey, Tonia Parrott, Aliyah Fields, Taylor Smith
EPI_ISL_1449684	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1456662, EPI_ISL_1456675, EPI_ISL_1456936, EPI_ISL_1456945, EPI_ISL_1456952, EPI_ISL_1456969, EPI_ISL_1456984, EPI_ISL_1456993, EPI_ISL_1457001, EPI_ISL_1457010, EPI_ISL_1457094			
see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Lisa Wijsman, Kim Freriks, Ryanne Jaarsma, Eunice Then, Jolienke Hardeman, Lynn Aarts, Sanne Bos, Melissa van Tuil, Robert Kohl, Linda van de Nes, Sjoerd Kuiling,

			James Groot, Florian Zwagemaker, Dennis Schmitz, Annelies Kroneman, Karim Hajji, Chantal Reusken, on behalf of the national COVID-19 response team
EPI_ISL_907237	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_911372, EPI_ISL_911378	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano
EPI_ISL_924084, EPI_ISL_924101, EPI_ISL_924108, EPI_ISL_924119, EPI_ISL_924122, EPI_ISL_924128, EPI_ISL_924164, EPI_ISL_924176, EPI_ISL_924196, EPI_ISL_924215, EPI_ISL_924240, EPI_ISL_924245, EPI_ISL_924252, EPI_ISL_924265, EPI_ISL_924274, EPI_ISL_924281, EPI_ISL_924296, EPI_ISL_924302, EPI_ISL_924328, EPI_ISL_924332, EPI_ISL_924334, EPI_ISL_924376, EPI_ISL_924384, EPI_ISL_924389, EPI_ISL_924397			
see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_933799, EPI_ISL_933801	PathWest Laboratory Medicine WA	PathWest Laboratory Medicine WA Microbial Surveillance Unit	PathWest Laboratory Medicine WA Microbial Surveillance Unit
EPI_ISL_937516	National Public Health Laboratory, National Centre for Infectious Diseases	National Public Health Laboratory, National Centre for Infectious Diseases	Tze Minn Mak, Zhenyang Zhou, Lin Cui, Raymond Tzer Pin Lin
EPI_ISL_939647, EPI_ISL_940144	Laboratory for Respiratory Viruses, Cantacuzino National Military-Medical Institute for Research and Development	Cantacuzino Institute Virology	Luiza Ustea, Nicoleta Paraschiv, Mihaela Lazar
EPI_ISL_942354	MD PHL	MD PHL	Maryland Department of Health Laboratories Administration
EPI_ISL_944792, EPI_ISL_944793, EPI_ISL_944795, EPI_ISL_944796, EPI_ISL_944797, EPI_ISL_944798, EPI_ISL_944800, EPI_ISL_944801, EPI_ISL_944802, EPI_ISL_944803, EPI_ISL_944804, EPI_ISL_944806, EPI_ISL_944807, EPI_ISL_944808, EPI_ISL_944809, EPI_ISL_944810, EPI_ISL_944811, EPI_ISL_944812, EPI_ISL_944813, EPI_ISL_944814, EPI_ISL_944818, EPI_ISL_944819, EPI_ISL_944820, EPI_ISL_944821, EPI_ISL_944822, EPI_ISL_944823, EPI_ISL_944825, EPI_ISL_944826, EPI_ISL_944827, EPI_ISL_944828, EPI_ISL_944829, EPI_ISL_944830, EPI_ISL_944831, EPI_ISL_944832, EPI_ISL_944833, EPI_ISL_944834, EPI_ISL_944835, EPI_ISL_944836, EPI_ISL_944837, EPI_ISL_944838, EPI_ISL_944839, EPI_ISL_944840, EPI_ISL_944842, EPI_ISL_944843, EPI_ISL_944845, EPI_ISL_944846, EPI_ISL_944847, EPI_ISL_944848, EPI_ISL_944849, EPI_ISL_944850, EPI_ISL_944851, EPI_ISL_944852, EPI_ISL_944853, EPI_ISL_944854, EPI_ISL_944855, EPI_ISL_944856, EPI_ISL_944857, EPI_ISL_944858, EPI_ISL_944859, EPI_ISL_944860, EPI_ISL_944861, EPI_ISL_944864, EPI_ISL_944865, EPI_ISL_944866, EPI_ISL_944867, EPI_ISL_944868, EPI_ISL_944870, EPI_ISL_944871, EPI_ISL_944872, EPI_ISL_944873, EPI_ISL_944874, EPI_ISL_944875, EPI_ISL_944876, EPI_ISL_944877, EPI_ISL_944878, EPI_ISL_944879, EPI_ISL_944880, EPI_ISL_944881, EPI_ISL_944882, EPI_ISL_944884, EPI_ISL_944885, EPI_ISL_944886, EPI_ISL_944887, EPI_ISL_944888, EPI_ISL_944889, EPI_ISL_944890, EPI_ISL_944891, EPI_ISL_944892, EPI_ISL_944893, EPI_ISL_944894, EPI_ISL_944895, EPI_ISL_944896, EPI_ISL_944897, EPI_ISL_944898, EPI_ISL_944899, EPI_ISL_944900, EPI_ISL_944901, EPI_ISL_944902, EPI_ISL_944903, EPI_ISL_944904, EPI_ISL_944905, EPI_ISL_944906, EPI_ISL_944907, EPI_ISL_944909, EPI_ISL_944910, EPI_ISL_944911, EPI_ISL_944912, EPI_ISL_944913, EPI_ISL_944915, EPI_ISL_944916, EPI_ISL_944917, EPI_ISL_944918, EPI_ISL_944919, EPI_ISL_944920, EPI_ISL_944921, EPI_ISL_944922, EPI_ISL_944924, EPI_ISL_944925, EPI_ISL_944926, EPI_ISL_944927, EPI_ISL_944928, EPI_ISL_944929, EPI_ISL_944930, EPI_ISL_944931, EPI_ISL_944932, EPI_ISL_944933, EPI_ISL_944934, EPI_ISL_944935, EPI_ISL_944936, EPI_ISL_944937, EPI_ISL_944938, EPI_ISL_944939, EPI_ISL_944940, EPI_ISL_944941, EPI_ISL_944942, EPI_ISL_944943, EPI_ISL_944944, EPI_ISL_944945, EPI_ISL_944946, EPI_ISL_944947, EPI_ISL_944948, EPI_ISL_944949, EPI_ISL_944950, EPI_ISL_944951, EPI_ISL_944952, EPI_ISL_944954, EPI_ISL_944955, EPI_ISL_944956, EPI_ISL_944957, EPI_ISL_944958, EPI_ISL_944959, EPI_ISL_944960, EPI_ISL_944961, EPI_ISL_944962, EPI_ISL_944963, EPI_ISL_944964, EPI_ISL_944965, EPI_ISL_944966, EPI_ISL_944967, EPI_ISL_944968, EPI_ISL_944969, EPI_ISL_944970, EPI_ISL_944971, EPI_ISL_944972, EPI_ISL_944973, EPI_ISL_944974, EPI_ISL_944975, EPI_ISL_944977, EPI_ISL_944980, EPI_ISL_944981, EPI_ISL_944982, EPI_ISL_944983, EPI_ISL_944984, EPI_ISL_944985, EPI_ISL_944986, EPI_ISL_944987, EPI_ISL_944988, EPI_ISL_944989, EPI_ISL_944990, EPI_ISL_944991, EPI_ISL_944992, EPI_ISL_944993, EPI_ISL_944994, EPI_ISL_944995, EPI_ISL_944996, EPI_ISL_944997, EPI_ISL_944998, EPI_ISL_944999, EPI_ISL_945000, EPI_ISL_945001, EPI_ISL_945002, EPI_ISL_945003, EPI_ISL_945004, EPI_ISL_945005, EPI_ISL_945006, EPI_ISL_945007, EPI_ISL_945008, EPI_ISL_945009, EPI_ISL_945010, EPI_ISL_945011, EPI_ISL_945012, EPI_ISL_945013, EPI_ISL_945014, EPI_ISL_945015, EPI_ISL_945016, EPI_ISL_945017, EPI_ISL_945018, EPI_ISL_945019, EPI_ISL_945020, EPI_ISL_945021, EPI_ISL_945022, EPI_ISL_945024, EPI_ISL_945025, EPI_ISL_945026, EPI_ISL_945027, EPI_ISL_945028, EPI_ISL_945029, EPI_ISL_945030, EPI_ISL_945031, EPI_ISL_945033, EPI_ISL_945035, EPI_ISL_945036, EPI_ISL_945037, EPI_ISL_945038, EPI_ISL_945039, EPI_ISL_945040, EPI_ISL_945041, EPI_ISL_945042, EPI_ISL_945044, EPI_ISL_945045, EPI_ISL_945046, EPI_ISL_945048			
see above	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_945374, EPI_ISL_945375, EPI_ISL_945376, EPI_ISL_945379, EPI_ISL_945386, EPI_ISL_945387, EPI_ISL_945389, EPI_ISL_945402, EPI_ISL_945408, EPI_ISL_945419, EPI_ISL_945420, EPI_ISL_945422, EPI_ISL_945423, EPI_ISL_945433, EPI_ISL_945444, EPI_ISL_945446, EPI_ISL_945449, EPI_ISL_945458, EPI_ISL_945459, EPI_ISL_945466, EPI_ISL_945467, EPI_ISL_945468, EPI_ISL_945469, EPI_ISL_945475, EPI_ISL_945480, EPI_ISL_945485, EPI_ISL_945490, EPI_ISL_945494, EPI_ISL_945498, EPI_ISL_945502, EPI_ISL_945506, EPI_ISL_945508, EPI_ISL_945514, EPI_ISL_945518, EPI_ISL_945522, EPI_ISL_945525, EPI_ISL_945529, EPI_ISL_945539, EPI_ISL_945543, EPI_ISL_945545, EPI_ISL_945548, EPI_ISL_945549, EPI_ISL_945555, EPI_ISL_945561, EPI_ISL_945563, EPI_ISL_945569, EPI_ISL_945579, EPI_ISL_945582, EPI_ISL_945587, EPI_ISL_945591, EPI_ISL_945597, EPI_ISL_945621, EPI_ISL_945627, EPI_ISL_945635, EPI_ISL_945636, EPI_ISL_945648, EPI_ISL_945650, EPI_ISL_945656, EPI_ISL_945664, EPI_ISL_945668, EPI_ISL_945672, EPI_ISL_945674, EPI_ISL_945677, EPI_ISL_945678, EPI_ISL_945681, EPI_ISL_945682, EPI_ISL_945692, EPI_ISL_945696, EPI_ISL_945697, EPI_ISL_945698, EPI_ISL_945704			
see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_945718, EPI_ISL_945722, EPI_ISL_945726, EPI_ISL_945728, EPI_ISL_945729, EPI_ISL_945730, EPI_ISL_945733, EPI_ISL_945735, EPI_ISL_945736, EPI_ISL_945737, EPI_ISL_945738, EPI_ISL_945741, EPI_ISL_945742, EPI_ISL_945743, EPI_ISL_945744, EPI_ISL_945747, EPI_ISL_945753, EPI_ISL_945755, EPI_ISL_945757, EPI_ISL_945758, EPI_ISL_945759, EPI_ISL_945763, EPI_ISL_945768, EPI_ISL_945771, EPI_ISL_945772, EPI_ISL_945776, EPI_ISL_945777, EPI_ISL_945781, EPI_ISL_945788, EPI_ISL_945792, EPI_ISL_945795, EPI_ISL_945796, EPI_ISL_945799, EPI_ISL_945800, EPI_ISL_945802, EPI_ISL_945803, EPI_ISL_945804, EPI_ISL_945805, EPI_ISL_945808, EPI_ISL_945813, EPI_ISL_945812, EPI_ISL_945813, EPI_ISL_945816, EPI_ISL_945817, EPI_ISL_945818, EPI_ISL_945821, EPI_ISL_945822, EPI_ISL_945824, EPI_ISL_945826, EPI_ISL_945828, EPI_ISL_945831, EPI_ISL_945835, EPI_ISL_945841, EPI_ISL_945843, EPI_ISL_945844, EPI_ISL_945846, EPI_ISL_945848, EPI_ISL_945849, EPI_ISL_945849, EPI_ISL_945850, EPI_ISL_945851, EPI_ISL_945853, EPI_ISL_945856, EPI_ISL_945862, EPI_ISL_945863, EPI_ISL_945865, EPI_ISL_945867, EPI_ISL_945868, EPI_ISL_945869, EPI_ISL_945870, EPI_ISL_945871, EPI_ISL_945872, EPI_ISL_945873, EPI_ISL_945874, EPI_ISL_945877, EPI_ISL_945878, EPI_ISL_945879, EPI_ISL_945882, EPI_ISL_945885, EPI_ISL_945889, EPI_ISL_945895, EPI_ISL_945898, EPI_ISL_945900, EPI_ISL_945901, EPI_ISL_945904, EPI_ISL_945906, EPI_ISL_945907, EPI_ISL_945908, EPI_ISL_945909, EPI_ISL_945910, EPI_ISL_945912, EPI_ISL_945920, EPI_ISL_945921, EPI_ISL_945926, EPI_ISL_945933, EPI_ISL_945938, EPI_ISL_945939, EPI_ISL_945940, EPI_ISL_945944, EPI_ISL_945945, EPI_ISL_945950, EPI_ISL_945951, EPI_ISL_945954, EPI_ISL_945958, EPI_ISL_945961, EPI_ISL_945962, EPI_ISL_945963, EPI_ISL_945965, EPI_ISL_945967, EPI_ISL_945969, EPI_ISL_945971, EPI_ISL_945972, EPI_ISL_945976, EPI_ISL_945980, EPI_ISL_945983, EPI_ISL_945984, EPI_ISL_945988, EPI_ISL_945990, EPI_ISL_945993, EPI_ISL_945994, EPI_ISL_945997, EPI_ISL_945998, EPI_ISL_945999, EPI_ISL_946000, EPI_ISL_946001, EPI_ISL_946010, EPI_ISL_946014, EPI_ISL_946021, EPI_ISL_946023, EPI_ISL_946026, EPI_ISL_946028, EPI_ISL_946030, EPI_ISL_946031, EPI_ISL_946037, EPI_ISL_946041, EPI_ISL_946048, EPI_ISL_946049, EPI_ISL_946052, EPI_ISL_946055, EPI_ISL_946057, EPI_ISL_946058, EPI_ISL_946066, EPI_ISL_946067, EPI_ISL_946068, EPI_ISL_946072, EPI_ISL_946086, EPI_ISL_946087, EPI_ISL_946088, EPI_ISL_946090, EPI_ISL_946093, EPI_ISL_946096, EPI_ISL_946106, EPI_ISL_946109, EPI_ISL_946110, EPI_ISL_946112, EPI_ISL_946113, EPI_ISL_946115, EPI_ISL_946123, EPI_ISL_946124, EPI_ISL_946126, EPI_ISL_946127, EPI_ISL_946135, EPI_ISL_946145, EPI_ISL_946147, EPI_ISL_946150, EPI_ISL_946157, EPI_ISL_946160, EPI_ISL_946162, EPI_ISL_946169, EPI_ISL_946173, EPI_ISL_946174, EPI_ISL_946176, EPI_ISL_946177, EPI_ISL_946180, EPI_ISL_946181, EPI_ISL_946182, EPI_ISL_946188, EPI_ISL_946190, EPI_ISL_946192, EPI_ISL_946196, EPI_ISL_946202, EPI_ISL_946206, EPI_ISL_946208, EPI_ISL_946210, EPI_ISL_946211, EPI_ISL_946213, EPI_ISL_946215, EPI_ISL_946218, EPI_ISL_946219, EPI_ISL_946220, EPI_ISL_946224, EPI_ISL_946225, EPI_ISL_946227, EPI_ISL_946229, EPI_ISL_946231, EPI_ISL_946232, EPI_ISL_946233, EPI_ISL_946234, EPI_ISL_946243, EPI_ISL_946254, EPI_ISL_946260, EPI_ISL_946264, EPI_ISL_946270, EPI_ISL_946271, EPI_ISL_946274, EPI_ISL_946281, EPI_ISL_946284, EPI_ISL_946285, EPI_ISL_946286, EPI_ISL_946287, EPI_ISL_946292, EPI_ISL_946298, EPI_ISL_946301, EPI_ISL_946302, EPI_ISL_946304, EPI_ISL_946319, EPI_ISL_946326, EPI_ISL_946328, EPI_ISL_946333, EPI_ISL_946335, EPI_ISL_946338, EPI_ISL_946339, EPI_ISL_946351, EPI_ISL_946356, EPI_ISL_946357, EPI_ISL_946360, EPI_ISL_946361, EPI_ISL_946365, EPI_ISL_946366, EPI_ISL_946367, EPI_ISL_946371, EPI_ISL_946374, EPI_ISL_946375, EPI_ISL_946378, EPI_ISL_946379, EPI_ISL_946380, EPI_ISL_946385, EPI_ISL_946391, EPI_ISL_946397, EPI_ISL_946400, EPI_ISL_946405, EPI_ISL_946407, EPI_ISL_946410, EPI_ISL_946411			
see above	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_949405	University of Birmingham	COVID-19 Genomics UK (COG-UK) Consortium	Institute of Microbiology, University of Birmingham: Claire McMurray, Joanne Stockton, Samuel Nicholls, Radoslaw Poplawski, Will Rowe, Josh Quick, Nicholas Loman. University of Birmingham Testing Laboratory: Celina M Whalley, Andrew Bosworth, Charlotte Poxon, Kasun Wanigasooriya, Oliver Pickles, Mike Kidd, Alex Richter, Andrew D Beggs PHE Heartlands Lab: Husam Osman, Andrew Bosworth. Queen Elizabeth Hospital: Anna Casey
EPI_ISL_949543, EPI_ISL_949545, EPI_ISL_949547, EPI_ISL_949551, EPI_ISL_949552, EPI_ISL_949557, EPI_ISL_949558, EPI_ISL_949559, EPI_ISL_949560, EPI_ISL_949561, EPI_ISL_949562, EPI_ISL_949563, EPI_ISL_949564, EPI_ISL_949565, EPI_ISL_949566, EPI_ISL_949567, EPI_ISL_949568, EPI_ISL_949569, EPI_ISL_949570, EPI_ISL_949571, EPI_ISL_949572, EPI_ISL_949573, EPI_ISL_949574, EPI_ISL_949575, EPI_ISL_949576, EPI_ISL_949577, EPI_ISL_949578, EPI_ISL_949579, EPI_ISL_949580, EPI_ISL_949582, EPI_ISL_949583, EPI_ISL_949584, EPI_ISL_949585, EPI_ISL_949586, EPI_ISL_949587, EPI_ISL_949588, EPI_ISL_949589, EPI_ISL_949590, EPI_ISL_949591, EPI_ISL_949592, EPI_ISL_949593, EPI_ISL_949594, EPI_ISL_949595, EPI_ISL_949596, EPI_ISL_949598, EPI_ISL_949599, EPI_ISL_949600, EPI_ISL_949601, EPI_ISL_949602, EPI_ISL_949603, EPI_ISL_949604, EPI_ISL_949605, EPI_ISL_949606, EPI_ISL_949607			
see above	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Amira S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izu, Martin D. Curran, Surendra Parmar, Ian Goodfield
EPI_ISL_949613, EPI_ISL_949616, EPI_ISL_949617, EPI_ISL_949619, EPI_ISL_949623, EPI_ISL_949625, EPI_ISL_949627, EPI_ISL_949629	West of Scotland Specialist Virology Centre, NHSGGC / MRC-University of Glasgow Centre for Virus Research	COVID-19 Genomics UK (COG-UK) Consortium	Ana da Silva Filipe, Natasha Johnson, Carol Smollett, Daniel Mar, Stephen Carmichael, Alice Brooks, Lily Tong, Jenna Nichols, Kyriaki Nomikou; Sarah McDonald; Richard Orton, Joseph Hughes, Sreenu Vattipally, David L Robertson; Alasdair MacLean, Rory Gunson; Sharif Shaaban, Matthew Holden; Rachel Blacow, Guy Mollett, Kathy Li, James Shepherd, Antonia Ho, Emma Thomson
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see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaichi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olatope, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
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see above	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutill, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
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see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Warren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusrî Taha, Gary Eltringham
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see above	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
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see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnson, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_956765, EPI_ISL_956766, EPI_ISL_956767, EPI_ISL_956768, EPI_ISL_956769, EPI_ISL_956770, EPI_ISL_956771, EPI_ISL_956772, EPI_ISL_956773, EPI_ISL_956774, EPI_ISL_956775, EPI_ISL_956776, EPI_ISL_956777, EPI_ISL_956778, EPI_ISL_956779, EPI_ISL_956780, EPI_ISL_956781, EPI_ISL_956782, EPI_ISL_956783, EPI_ISL_956784, EPI_ISL_956785, EPI_ISL_956786, EPI_ISL_956787, EPI_ISL_956788, EPI_ISL_956789, EPI_ISL_956790, EPI_ISL_956791, EPI_ISL_956792, EPI_ISL_956793, EPI_ISL_956794, EPI_ISL_956795, EPI_ISL_956796, EPI_ISL_956797, EPI_ISL_956798, EPI_ISL_956799, EPI_ISL_956800, EPI_ISL_956801, EPI_ISL_956802, EPI_ISL_956803, EPI_ISL_956804, EPI_ISL_956805, EPI_ISL_956806, EPI_ISL_956807, EPI_ISL_956808, EPI_ISL_956809, EPI_ISL_956810, EPI_ISL_956811, EPI_ISL_956812, EPI_ISL_956813, EPI_ISL_956814, EPI_ISL_956815, EPI_ISL_956816, EPI_ISL_956817, EPI_ISL_956818, EPI_ISL_956819, EPI_ISL_956820, EPI_ISL_956821, EPI_ISL_956822, EPI_ISL_956823, EPI_ISL_956824, EPI_ISL_956825, EPI_ISL_956826, EPI_ISL_956827, EPI_ISL_956828, EPI_ISL_956829, EPI_ISL_956830, EPI_ISL_956831, EPI_ISL_956832, EPI_ISL_956833, EPI_ISL_956834, EPI_ISL_956835, EPI_ISL_956836, EPI_ISL_956837			

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EPI_ISL_959432, EPI_ISL_959433, EPI_ISL_959434	EPI_ISL_959626	Servicio de Microbiología, Hospital Universitario Son Espases	SeqCOVID-SPAIN consortium/IBV(CSIC)	Carla López-Causapé, Jordi Reina, Antonio Oliver and SeqCOVID-SPAIN consortium		
EPI_ISL_959627, EPI_ISL_959628	EPI_ISL_959629	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Bořšová, Viktória abanová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Tomáš Vína, Boris Klempa, Jozef Nosek		
EPI_ISL_959701, EPI_ISL_959702, EPI_ISL_959704, EPI_ISL_959707, EPI_ISL_959708, EPI_ISL_959709, EPI_ISL_959710, EPI_ISL_959712, EPI_ISL_959853	EPI_ISL_960893	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Bořšová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Tomáš Vína, Jozef Nosek, Boris Klempa		
EPI_ISL_961133	EPI_ISL_962458	National Virus Reference Laboratory	National Virus Reference Laboratory	Michael Carr, Gabriel Gonzalez, Jonathan Dean, Cillian F De Gascun		
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EPI_ISL_963324	EPI_ISL_963326	Seattle Flu Study	Seattle Flu Study	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeussen, Herman Goossens		
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EPI_ISL_964364		Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_964370, EPI_ISL_964376		Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_964390, EPI_ISL_964393, EPI_ISL_964421, EPI_ISL_964439, EPI_ISL_964451, EPI_ISL_964465, EPI_ISL_964487		Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_964497, EPI_ISL_964498, EPI_ISL_964506		Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_964512		Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, E

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see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_970587, EPI_ISL_970597, EPI_ISL_970616, EPI_ISL_970621, EPI_ISL_970628, EPI_ISL_970635, EPI_ISL_970639, EPI_ISL_970645, EPI_ISL_970664, EPI_ISL_970673, EPI_ISL_970680, EPI_ISL_970681, EPI_ISL_970687, EPI_ISL_970701, EPI_ISL_970708, EPI_ISL_970709, EPI_ISL_970715, EPI_ISL_970724, EPI_ISL_970732, EPI_ISL_970744, EPI_ISL_970747, EPI_ISL_970751, EPI_ISL_970753, EPI_ISL_970768, EPI_ISL_970775, EPI_ISL_970790, EPI_ISL_970826, EPI_ISL_970860, EPI_ISL_970875, EPI_ISL_970986, EPI_ISL_971037, EPI_ISL_971042, EPI_ISL_971044, EPI_ISL_971047, EPI_ISL_971060, EPI_ISL_971071, EPI_ISL_971076, EPI_ISL_971093, EPI_ISL_971105, EPI_ISL_971125, EPI_ISL_971135, EPI_ISL_971142, EPI_ISL_971168, EPI_ISL_971171, EPI_ISL_971174, EPI_ISL_971176, EPI_ISL_971183, EPI_ISL_971191, EPI_ISL_971194, EPI_ISL_971206, EPI_ISL_971231, EPI_ISL_971242, EPI_ISL_971255, EPI_ISL_971261, EPI_ISL_971269, EPI_ISL_971281, EPI_ISL_971292, EPI_ISL_971297, EPI_ISL_971327, EPI_ISL_971333, EPI_ISL_971339, EPI_ISL_971347, EPI_ISL_971360, EPI_ISL_971364, EPI_ISL_971365, EPI_ISL_971370, EPI_ISL_971385, EPI_ISL_971394			
see above	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_974853	Laboratorio de Virología / Hospital Universitario Central de Asturias (HUCA)	Laboratorio de Virología / Hospital Universitario Central de Asturias (HUCA)	Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Sandoval M, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977417	Hospital de Cabueñes	Laboratorio de Virología / Hospital Universitario Central de Asturias (HUCA)	Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Sandoval M, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977501	Hospital de Cabueñes	Laboratorio de Virología HUCA	Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Sandoval M, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977502	Hospital Oriente de Asturias	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977505, EPI_ISL_977506	Laboratorio de Virología HUCA	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977507	Hospital Valle del Nalon	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977509	Hospital Valle del Nalón	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977510	Laboratorio de Virología HUCA	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_977537	Biolab Diagnostic Laboratories	Biolab Diagnostic Laboratories	Issa Abu-Dayyeh, Ahmad Tibi, Lama Hussein, Shayma Ali, Badia Sadeddin, Amid Abdelnour
EPI_ISL_978954	Centre for Dengue Research and AICBU, Department of Immunology and Molecular Medicine	Centre for Dengue Research and AICBU, Department of Immunology and Molecular Medicine	Chandima Jeewandara, Deshni Jayathilaka, Dinuka Ariyaratne, Tibutus Thanesh Pramanayagam, Diyanath Ranasinghe, Laksiri Gomes, Gathsaurie Neelika Malavige
EPI_ISL_979356	Victorian Infectious Diseases Reference Laboratory (VIDRL)	VIDRL and MDU-PHL	Caly L., Seemann T., Sait, M.L., Druce J., Sherry, N.L.
EPI_ISL_979357, EPI_ISL_979359	Microbiological Diagnostic Unit - Public Health Laboratory (MDU-PHL)	MDU-PHL	Seemann T., Sait, M.L., Sherry, N.L.
EPI_ISL_979803, EPI_ISL_979804, EPI_ISL_979893, EPI_ISL_979959, EPI_ISL_979960, EPI_ISL_979961, EPI_ISL_979963	National Institute of Infectious Diseases-Prof. Dr. Matei Bals Molecular Diagnostics Laboratory	National Institute of Infectious Diseases-Prof. Dr. Matei Bals Molecular Diagnostics Laboratory	Leontina Banica, Marius Surleac, Corina Casangiu, Petre Milu, Andreea Tudor, Simona Paraschiv, Dan Otelea
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see above	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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EPI_ISL_981318, EPI_ISL_981322, EPI_ISL_981345, EPI_ISL_981346, EPI_ISL_981347, EPI_ISL_981353	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Cristina Andrés, Maria Piñana, Josep F Abril, Damir Garcia-Cehic, Ariadna Rando, Juliana Esperalba, Maria Gema Codina, Carla Castillo, Maria Carmen Martin, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_981377	Laboratory for Respiratory Viruses, Cantacuzino National Military-Medical Institute for Research and Development	Cantacuzino Institute Virology	Luiza Ustea, Nicoleta Paraschiv, Catalina Pascu, Mihaela Lazar
EPI_ISL_981378	AZ Klina	AZ Klina	Dr. C. Vael
EPI_ISL_981399, EPI_ISL_981400	CH.INTERCOMMUNAL DE CRETEIL	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_981556, EPI_ISL_981558, EPI_ISL_981560, EPI_ISL_981561, EPI_ISL_981562, EPI_ISL_981563, EPI_ISL_981564, EPI_ISL_981565, EPI_ISL_981566, EPI_ISL_981567, EPI_ISL_981568, EPI_ISL_981569, EPI_ISL_981570, EPI_ISL_981571, EPI_ISL_981572, EPI_ISL_981573, EPI_ISL_981574, EPI_ISL_981575, EPI_ISL_981576, EPI_ISL_981577, EPI_ISL_981578, EPI_ISL_981579, EPI_ISL_981580, EPI_ISL_981581, EPI_ISL_981582, EPI_ISL_981583, EPI_ISL_981584, EPI_ISL_981642, EPI_ISL_981652, EPI_ISL_981653, EPI_ISL_981655, EPI_ISL_981656, EPI_ISL_981657, EPI_ISL_981658, EPI_ISL_981661, EPI_ISL_981663, EPI_ISL_981664, EPI_ISL_981665, EPI_ISL_981666, EPI_ISL_981667, EPI_ISL_981668, EPI_ISL_981669, EPI_ISL_981670, EPI_ISL_981671, EPI_ISL_981672, EPI_ISL_981673, EPI_ISL_981674, EPI_ISL_981675, EPI_ISL_981676, EPI_ISL_981677, EPI_ISL_981678, EPI_ISL_981704	HUG, Laboratory of Virology and the Health2030 Genome Center	Samuel Cordey, Ana Rita Goncalves, Laurent Kaiser, Lorenzo Cerutti, Henri Pegeot, Melyssa Elies, Deborah Penet, Keith Harshman, Ioannis Xenarios, Emmanouil Dermitzakis	
see above	University Hospitals of Geneva, Laboratory of Virology		
EPI_ISL_982135, EPI_ISL_982136, EPI_ISL_982137, EPI_ISL_982138, EPI_ISL_982139, EPI_ISL_982166	Hôpital Henri Mondor	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_982876	MEPHI Aix Marseille University (AMU)	MEPHI Aix Marseille University (AMU)	Anthony LEVASSEUR
EPI_ISL_983098	Microbiology and Virology Unit, Florence Careggi University Hospital	Microbiology and Virology Unit, Florence Careggi University Hospital	Vincenzo Di Pilato, Marco Coppi, Fabio Morecchiato, Noemi Aiezza, Ilaria Baccani, Alberto Antonelli, Emanuele Gori, Gian Maria Rossolini
EPI_ISL_983374	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin L. Young, Kelly F. Oakeson, Tara Gallagher
EPI_ISL_983665, EPI_ISL_983666, EPI_ISL_983667, EPI_ISL_983668, EPI_ISL_983669, EPI_ISL_983670, EPI_ISL_983671, EPI_ISL_983678, EPI_ISL_983679, EPI_ISL_983680	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_983721, EPI_ISL_983725	Colorado Department of Public Health and Environment	Colorado Department of Puplic Health and Environment	Laura Bankers, Molly C. Hetherington-Rauth, Diana Ir, Shannon Ely, Shannon R. Matzinger, Sarah Elizabeth Totten, Emily A. Travanty
EPI_ISL_984189, EPI_ISL_984241	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Kelsey R. Florek, Abigail C. Shockey
EPI_ISL_984298, EPI_ISL_984299	Tampa General Hospital Esoteric Lab	Tampa General Hospital Esoteric Research & Development Lab	Grant Vestal, Deanna Becker, Dominic Uy, Amorice Lima, Suzane Silbert
EPI_ISL_984678, EPI_ISL_984683	Laboratorio de Virologia HUCA	Laboratorio de Virologia HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_984717, EPI_ISL_984718, EPI_ISL_984719, EPI_ISL_984720, EPI_ISL_984721, EPI_ISL_984722, EPI_ISL_984723, EPI_ISL_984724, EPI_ISL_984725, EPI_ISL_984726, EPI_ISL_984727, EPI_ISL_984728, EPI_ISL_984729, EPI_ISL_984730, EPI_ISL_984731, EPI_ISL_984732			
see above	Klinisk mikrobiologi, Region Västerbotten	CBRN Defence and Security, Swedish Defence Research Agency	Andreas Sjödin, Linda Karlsson, Emelie Näslund Salomonsson, Jonas Näslund, Stina Bäckman, Malin Granberg, Ingrid Dacklin, Anna-Lena Johansson, Kerstin Myrtenäs, David Sundell, Carolin Öhrman, Mats Forsman, Annika Allard, Annika Osterman
EPI_ISL_984754	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_984919, EPI_ISL_984921	Pandemic Response Lab - NYC	Pandemic Response Lab, R&D	Henry Lee, Michael Hammerling, Melissa Hopkins, Cybill del Castillo, William Ward, Pradeep Bugga, Haiping Hao, Jon Laurent
EPI_ISL_984948	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_984971, EPI_ISL_984972	Klinisk mikrobiologi, Region Västerbotten	CBRN Defence and Security, Swedish Defence Research Agency	Andreas Sjödin, Linda Karlsson, Emelie Näslund Salomonsson, Jonas Näslund, Stina Bäckman, Malin Granberg, Ingrid Dacklin, Anna-Lena Johansson, Kerstin Myrtenäs, David Sundell, Carolin Öhrman, Mats Forsman, Annika Allard, Annika Osterman
EPI_ISL_985236	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_985253	Delaware Public Health Laboratory (DPHL)	Delaware Public Health Lab	Gregory Hovan
EPI_ISL_985322, EPI_ISL_985323, EPI_ISL_985326, EPI_ISL_985329	Klinisk mikrobiologi, Region Västerbotten	CBRN Defence and Security, Swedish Defence Research Agency	Andreas Sjödin, Linda Karlsson, Emelie Näslund Salomonsson, Jonas Näslund, Stina Bäckman, Malin Granberg, Ingrid Dacklin, Anna-Lena Johansson, Kerstin Myrtenäs, David Sundell, Carolin Öhrman, Mats Forsman, Annika Allard, Annika Osterman
EPI_ISL_985395	National Institute of Infectious Diseases-Prof. Dr. Matei Bals Molecular Diagnostics Laboratory	National Institute of Infectious Diseases-Prof. Dr. Matei Bals Molecular Diagnostics Laboratory	Leontina Banica, Marius Surleac, Corina Casangiu, Petre Milu, Andreea Tudor, Simona Paraschiv, Dan Otelea
EPI_ISL_985985, EPI_ISL_986002, EPI_ISL_986039, EPI_ISL_986049, EPI_ISL_986061, EPI_ISL_986075, EPI_ISL_986090, EPI_ISL_986096	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_987005, EPI_ISL_987104	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_987638, EPI_ISL_987639, EPI_ISL_987640, EPI_ISL_987641, EPI_ISL_987642, EPI_ISL_987643, EPI_ISL_987644, EPI_ISL_987645, EPI_ISL_987646, EPI_ISL_987647, EPI_ISL_987648, EPI_ISL_987649, EPI_ISL_987650, EPI_ISL_987651, EPI_ISL_987652, EPI_ISL_987653, EPI_ISL_987654, EPI_ISL_987655, EPI_ISL_987656, EPI_ISL_987657, EPI_ISL_987658, EPI_ISL_987659, EPI_ISL_987660, EPI_ISL_987661, EPI_ISL_987662, EPI_ISL_987663, EPI_ISL_987664, EPI_ISL_987665, EPI_ISL_987666, EPI_ISL_987667, EPI_ISL_987668, EPI_ISL_987669, EPI_ISL_987670, EPI_ISL_987671, EPI_ISL_987672, EPI_ISL_987673, EPI_ISL_987674, EPI_ISL_987675, EPI_ISL_987676, EPI_ISL_987677, EPI_ISL_987678, EPI_ISL_987679, EPI_ISL_987680, EPI_ISL_987682, EPI_ISL_987683, EPI_ISL_987684, EPI_ISL_987685, EPI_ISL_987686, EPI_ISL_987687, EPI_ISL_987688, EPI_ISL_987689, EPI_ISL_987690, EPI_ISL_987691, EPI_ISL_987692, EPI_ISL_987693, EPI_ISL_987694, EPI_ISL_987695, EPI_ISL_987696, EPI_ISL_987697, EPI_ISL_987698, EPI_ISL_987699, EPI_ISL_987700, EPI_ISL_987701, EPI_ISL_987702, EPI_ISL_987703, EPI_ISL_987704, EPI_ISL_987705, EPI_ISL_987706, EPI_ISL_987707, EPI_ISL_987708, EPI_ISL_987709, EPI_ISL_987710, EPI_ISL_987711, EPI_ISL_987712, EPI_ISL_987713, EPI_ISL_987714, EPI_ISL_987715, EPI_ISL_987716, EPI_ISL_987717, EPI_ISL_987718, EPI_ISL_987719, EPI_ISL_987720, EPI_ISL_987721, EPI_ISL_987722, EPI_ISL_987723, EPI_ISL_987724, EPI_ISL_987725, EPI_ISL_987726, EPI_ISL_987727, EPI_ISL_987728, EPI_ISL_987729, EPI_ISL_987730, EPI_ISL_987731, EPI_ISL_987732, EPI_ISL_987733, EPI_ISL_987734, EPI_ISL_987735, EPI_ISL_987736, EPI_ISL_987737, EPI_ISL_987738, EPI_ISL_987739, EPI_ISL_987740, EPI_ISL_987741, EPI_ISL_987742, EPI_ISL_987743, EPI_ISL_987744, EPI_ISL_987745, EPI_ISL_987746, EPI_ISL_987747, EPI_ISL_987748, EPI_ISL_987749, EPI_ISL_987750, EPI_ISL_987751, EPI_ISL_987752, EPI_ISL_987753, EPI_ISL_987754, EPI_ISL_987755, EPI_ISL_987756, EPI_ISL_987757, EPI_ISL_987758, EPI_ISL_987759, EPI_ISL_987760, EPI_ISL_987761, EPI_ISL_987762, EPI_ISL_987764, EPI_ISL_987765, EPI_ISL_987766, EPI_ISL_987767, EPI_ISL_987768, EPI_ISL_987769, EPI_ISL_987770, EPI_ISL_987771, EPI_ISL_987772, EPI_ISL_987773, EPI_ISL_987774, EPI_ISL_987775, EPI_ISL_987776, EPI_ISL_987777, EPI_ISL_987778, EPI_ISL_987779, EPI_ISL_987780, EPI_ISL_987781, EPI_ISL_987782, EPI_ISL_987783, EPI_ISL_987784, EPI_ISL_987785, EPI_ISL_987786, EPI_ISL_987787, EPI_ISL_987788, EPI_ISL_987789, EPI_ISL_987790, EPI_ISL_987791, EPI_ISL_987792, EPI_ISL_987793, EPI_ISL_987794, EPI_ISL_987795, EPI_ISL_987796, EPI_ISL_987797, EPI_ISL_987798, EPI_ISL_987799, EPI_ISL_987800, EPI_ISL_987801, EPI_ISL_987802, EPI_ISL_987803, EPI_ISL_987804, EPI_ISL_987805, EPI_ISL_987806, EPI_ISL_987807, EPI_ISL_987808, EPI_ISL_987809, EPI_ISL_987810, EPI_ISL_987811, EPI_ISL_987812, EPI_ISL_987813, EPI_ISL_987814, EPI_ISL_987815, EPI_ISL_987816, EPI_ISL_987817, EPI_ISL_987818, EPI_ISL_987819, EPI_ISL_987820, EPI_ISL_987821, EPI_ISL_987822, EPI_ISL_987823, EPI_ISL_987824, EPI_ISL_987825, EPI_ISL_987826, EPI_ISL_987827, EPI_ISL_987828, EPI_ISL_987829, EPI_ISL_987830, EPI_ISL_987831, EPI_ISL_987832, EPI_ISL_987833, EPI_ISL_987834, EPI_ISL_987835, EPI_ISL_987836, EPI_ISL_987837, EPI_ISL_987838, EPI_ISL_987839, EPI_ISL_987840, EPI_ISL_987841, EPI_ISL_987842, EPI_ISL_987843, EPI_ISL_987844, EPI_ISL_987845, EPI_ISL_987846, EPI_ISL_987847, EPI_ISL_987848, EPI_ISL_987849, EPI_ISL_987850, EPI_ISL_987851, EPI_ISL_987852, EPI_ISL_987853, EPI_ISL_987854, EPI_ISL_987855, EPI_ISL_987856, EPI_ISL_987858, EPI_ISL_987859, EPI_ISL_987860, EPI_ISL_987861, EPI_ISL_987862, EPI_ISL_987863, EPI_ISL_987864, EPI_ISL_987865, EPI_ISL_987866, EPI_ISL_987867, EPI_ISL_987868, EPI_ISL_987869, EPI_ISL_987870, EPI_ISL_987872, EPI_ISL_987873, EPI_ISL_987874, EPI_ISL_987875,			

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EPI_ISL_989484, EPI_ISL_989486, EPI_ISL_989487, EPI_ISL_989488, EPI_ISL_989492, EPI_ISL_989493, EPI_ISL_989497, EPI_ISL_989498, EPI_ISL_989499, EPI_ISL_989500, EPI_ISL_989501, EPI_ISL_989502, EPI_ISL_989503, EPI_ISL_989509, EPI_ISL_989510, EPI_ISL_989511, EPI_ISL_989512, EPI_ISL_989513, EPI_ISL_989514, EPI_ISL_989515, EPI_ISL_989516, EPI_ISL_989517, EPI_ISL_989518, EPI_ISL_989519, EPI_ISL_989520, EPI_ISL_989521, EPI_ISL_989523, EPI_ISL_989524, EPI_ISL_989525, EPI_ISL_989526, EPI_ISL_989527, EPI_ISL_989528, EPI_ISL_989529, EPI_ISL_989530, EPI_ISL_989531, EPI_ISL_989532, EPI_ISL_989533, EPI_ISL_989534, EPI_ISL_989535, EPI_ISL_989536, EPI_ISL_989537, EPI_ISL_989538, EPI_ISL_989539, EPI_ISL_989540, EPI_ISL_989541, EPI_ISL_989542, EPI_ISL_989543, EPI_ISL_989544, EPI_ISL_989545, EPI_ISL_989546, EPI_ISL_989547, EPI_ISL_989548, EPI_ISL_989549, EPI_ISL_989550, EPI_ISL_989551, EPI_ISL_989552, EPI_ISL_989553, EPI_ISL_989554, EPI_ISL_989555, EPI_ISL_989556, EPI_ISL_989557, EPI_ISL_989558, EPI_ISL_989559, EPI_ISL_989560, EPI_ISL_989561, EPI_ISL_989562, EPI_ISL_989563, EPI_ISL_989564, EPI_ISL_989565, EPI_ISL_989566, EPI_ISL_989567, EPI_ISL_989568, EPI_ISL_989569, EPI_ISL_989570, EPI_ISL_989571, EPI_ISL_989572, EPI_ISL_989573, EPI_ISL_989574, EPI_ISL_989575, EPI_ISL_989576, EPI_ISL_989577, EPI_ISL_989578, EPI_ISL_989579, EPI_ISL_989580, EPI_ISL_989581, EPI_ISL_989582, EPI_ISL_989583, EPI_ISL_989584, EPI_ISL_989585, EPI_ISL_989586, EPI_ISL_989587, EPI_ISL_989588, EPI_ISL_989589, EPI_ISL_989590, EPI_ISL_989591, EPI_ISL_989592, EPI_ISL_989593, EPI_ISL_989594, EPI_ISL_989595, EPI_ISL_989596, EPI_ISL_989597, EPI_ISL_989598, EPI_ISL_989599, EPI_ISL_989600, EPI_ISL_989601, EPI_ISL_989602, EPI_ISL_989603, EPI_ISL_989604, EPI_ISL_989605, EPI_ISL_989606, EPI_ISL_989607, EPI_ISL_989608, EPI_ISL_989609, EPI_ISL_989610, EPI_ISL_989611, EPI_ISL_989612, EPI_ISL_989613, EPI_ISL_989614, EPI_ISL_989615, EPI_ISL_989616, EPI_ISL_989617, EPI_ISL_989618, EPI_ISL_989619, EPI_ISL_989620, EPI_ISL_989621, EPI_ISL_989622, EPI_ISL_989623, EPI_ISL_989624, EPI_ISL_989625, EPI_ISL_989626, EPI_ISL_989627, EPI_ISL_989628, EPI_ISL_989629, EPI_ISL_989630, EPI_ISL_989631, EPI_ISL_989632, EPI_ISL_989633, EPI_ISL_989634, EPI_ISL_989635, EPI_ISL_989636, EPI_ISL_989637, EPI_ISL_989638, EPI_ISL_989639, EPI_ISL_989640, EPI_ISL_989641, EPI_ISL_989642, EPI_ISL_989643, EPI_ISL_989644, EPI_ISL_989645, EPI_ISL_989646, EPI_ISL_989647, EPI_ISL_989648, EPI_ISL_989649, EPI_ISL_989650, EPI_ISL_989651, EPI_ISL_989652, EPI_ISL_989653, EPI_ISL_989654, EPI_ISL_989655, EPI_ISL_989656, EPI_ISL_989657, EPI_ISL_989658, EPI_ISL_989659, EPI_ISL_989660, EPI_ISL_989661, EPI_ISL_989662, EPI_ISL_989663, EPI_ISL_989664, EPI_ISL_989665, EPI_ISL_989666, EPI_ISL_989667, EPI_ISL_989668, EPI_ISL_989669, EPI_ISL_989670, EPI_ISL_989671, EPI_ISL_989672, EPI_ISL_989673, EPI_ISL_989674, EPI_ISL_989675, EPI_ISL_989676, EPI_ISL_989677, EPI_ISL_989678, EPI_ISL_989679, EPI_ISL_989680, EPI_ISL_989681, EPI_ISL_989682, EPI_ISL_989683, EPI_ISL_989684, EPI_ISL_989685, EPI_ISL_989686, EPI_ISL_989687, EPI_ISL_989688, EPI_ISL_989689, EPI_ISL_989690, EPI_ISL_989691, EPI_ISL_989692, EPI_ISL_989693, EPI_ISL_989694, EPI_ISL_989695, EPI_ISL_989696, EPI_ISL_989697, EPI_ISL_989698, EPI_ISL_989699, EPI_ISL_989700, EPI_ISL_989701, EPI_ISL_989702, EPI_ISL_989703, EPI_ISL_989704, EPI_ISL_989705, EPI_ISL_989706, EPI_ISL_989707, EPI_ISL_989708, EPI_ISL_989709, EPI_ISL_989710, EPI_ISL_989711, EPI_ISL_989712, EPI_ISL_989713, EPI_ISL_989714, EPI_ISL_989715, EPI_ISL_989716, EPI_ISL_989717, EPI_ISL_989718, EPI_ISL_989719, EPI_ISL_989720, EPI_ISL_989721, EPI_ISL_989722, EPI_ISL_989723, EPI_ISL_989724, EPI_ISL_989725, EPI_ISL_989726, EPI_ISL_989727, EPI_ISL_989728, EPI_ISL_989729, EPI_ISL_989730, EPI_ISL_989731, EPI_ISL_989732, EPI_ISL_989733, EPI_ISL_989734, EPI_ISL_989735, EPI_ISL_989736, EPI_ISL_989737, EPI_ISL_989738, EPI_ISL_989739, EPI_ISL_989740, EPI_ISL_989741, EPI_ISL_989742, EPI_ISL_989743, EPI_ISL_989744, EPI_ISL_989745, EPI_ISL_989746, EPI_ISL_989747, EPI_ISL_989748, EPI_ISL_989749, EPI_ISL_989750, EPI_ISL_989751, EPI_ISL_989752, EPI_ISL_989753, EPI_ISL_989754, EPI_ISL_989755, EPI_ISL_989756, EPI_ISL_989757, EPI_ISL_989758, EPI_ISL_989759, EPI_ISL_989760, EPI_ISL_989761, EPI_ISL_989762, EPI_ISL_989763, EPI_ISL_989764, EPI_ISL_989765, EPI_ISL_989766, EPI_ISL_989767, EPI_ISL_989768, EPI_ISL_989769, EPI_ISL_989770, EPI_ISL_989771, EPI_ISL_989772, EPI_ISL_989773, EPI_ISL_989774, EPI_ISL_989775, EPI_ISL_989776, EPI_ISL_989777, EPI_ISL_989778, EPI_ISL_989779, EPI_ISL_989780, EPI_ISL_989781, EPI_ISL_989782, EPI_ISL_989783, EPI_ISL_989784, EPI_ISL_989785, EPI_ISL_989786, EPI_ISL_989787, EPI_ISL_989788, EPI_ISL_989789, EPI_ISL_989790, EPI_ISL_989791, EPI_ISL_989792, EPI_ISL_989793, EPI_ISL_989794	see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19	

see above	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton,Aaron Jeffries,Michelle Michelsen,Joanna Warwick-Dugdale,Audrey Farbos,Robyn Manley,Stephen Michell,Jane Masoli
EPI_ISL_997423, EPI_ISL_997424, EPI_ISL_997425, EPI_ISL_997426, EPI_ISL_997427, EPI_ISL_997428, EPI_ISL_997429, EPI_ISL_997430, EPI_ISL_997431, EPI_ISL_997432, EPI_ISL_997433, EPI_ISL_997434, EPI_ISL_997435, EPI_ISL_997436, EPI_ISL_997437, EPI_ISL_997438, EPI_ISL_997440, EPI_ISL_997441, EPI_ISL_997444, EPI_ISL_997446, EPI_ISL_997447, EPI_ISL_997448, EPI_ISL_997449, EPI_ISL_997450, EPI_ISL_997463, EPI_ISL_997465, EPI_ISL_997486, EPI_ISL_997487, EPI_ISL_997489, EPI_ISL_997492, EPI_ISL_997494, EPI_ISL_997495, EPI_ISL_997496, EPI_ISL_997497, EPI_ISL_997498, EPI_ISL_997499, EPI_ISL_997500, EPI_ISL_997501			
see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_997657, EPI_ISL_997658, EPI_ISL_997659, EPI_ISL_997660, EPI_ISL_997665, EPI_ISL_997672	Barts Health NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	CUTINO-MOGUEL, Maria-Teresa; HARRINGTON, David; OWOYEMI, Dola; KULASEGARAN-SHYLINI, Raghavendran; BROAD, Claire; KELE, Beatrix
EPI_ISL_997833, EPI_ISL_997834, EPI_ISL_997882, EPI_ISL_997883, EPI_ISL_997884, EPI_ISL_997885, EPI_ISL_997886, EPI_ISL_997888, EPI_ISL_997889, EPI_ISL_997893, EPI_ISL_997895, EPI_ISL_997896, EPI_ISL_997897, EPI_ISL_997899, EPI_ISL_997900, EPI_ISL_997902, EPI_ISL_997903, EPI_ISL_997910, EPI_ISL_997911, EPI_ISL_997912, EPI_ISL_997913, EPI_ISL_997914, EPI_ISL_997915, EPI_ISL_997917, EPI_ISL_997918, EPI_ISL_997919, EPI_ISL_997920, EPI_ISL_997921, EPI_ISL_997924, EPI_ISL_997925, EPI_ISL_997926, EPI_ISL_997931, EPI_ISL_997951, EPI_ISL_998012, EPI_ISL_998013, EPI_ISL_998014, EPI_ISL_998015, EPI_ISL_998016, EPI_ISL_998017, EPI_ISL_998018, EPI_ISL_998019, EPI_ISL_998020, EPI_ISL_998021, EPI_ISL_998022, EPI_ISL_998023, EPI_ISL_998024, EPI_ISL_998025, EPI_ISL_998026, EPI_ISL_998027, EPI_ISL_998028, EPI_ISL_998029, EPI_ISL_998030, EPI_ISL_998031, EPI_ISL_998032, EPI_ISL_998033, EPI_ISL_998034, EPI_ISL_998035, EPI_ISL_998036, EPI_ISL_998037, EPI_ISL_998038, EPI_ISL_998039, EPI_ISL_998040, EPI_ISL_998041, EPI_ISL_998042, EPI_ISL_998043, EPI_ISL_998044, EPI_ISL_998045, EPI_ISL_998046, EPI_ISL_998047, EPI_ISL_998048, EPI_ISL_998049, EPI_ISL_998050, EPI_ISL_998051, EPI_ISL_998052, EPI_ISL_998053, EPI_ISL_998054, EPI_ISL_998055, EPI_ISL_998056, EPI_ISL_998057, EPI_ISL_998058, EPI_ISL_998059, EPI_ISL_998060, EPI_ISL_998061, EPI_ISL_998062, EPI_ISL_998063, EPI_ISL_998064, EPI_ISL_998065, EPI_ISL_998066, EPI_ISL_998067, EPI_ISL_998068, EPI_ISL_998069, EPI_ISL_998071, EPI_ISL_998072, EPI_ISL_998073, EPI_ISL_998075, EPI_ISL_998076, EPI_ISL_998077, EPI_ISL_998078, EPI_ISL_998079, EPI_ISL_998081, EPI_ISL_998082, EPI_ISL_998083, EPI_ISL_998084, EPI_ISL_998085, EPI_ISL_998086, EPI_ISL_998087, EPI_ISL_998088, EPI_ISL_998089			
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EPI_ISL_998109, EPI_ISL_998120, EPI_ISL_998121, EPI_ISL_998129, EPI_ISL_998134	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_998232, EPI_ISL_998299, EPI_ISL_998300, EPI_ISL_998301, EPI_ISL_998303	Regional Virus Laboratory, Belfast Health and Social Care Trust	COVID-19 Genomics UK (COG-UK) Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley
EPI_ISL_998566, EPI_ISL_998567, EPI_ISL_998568, EPI_ISL_998569, EPI_ISL_998570, EPI_ISL_998571	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith,Andrew Nelson,Matthew Bashton,Greg R Young,Joshua Loh,John Allan,Mohammad A Tariq,Giles S Holt,Gary Black,Wen C Yew,Lynn Dover,Paul Baker,Steve Liggett,Sarah Essex,Jane Greenaway,Debra Padgett,Clive Graham,Garren Scott,Edward Barton,Emma Swindells,Brendan Payne,Jennifer Collins,Yusri Taha,Gary Eltringham
EPI_ISL_998808, EPI_ISL_998819, EPI_ISL_998845, EPI_ISL_998848, EPI_ISL_998862, EPI_ISL_998863, EPI_ISL_998886	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Elumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_998997, EPI_ISL_998999, EPI_ISL_999000, EPI_ISL_999328	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser
EPI_ISL_999516, EPI_ISL_999701, EPI_ISL_999702, EPI_ISL_999717, EPI_ISL_999735, EPI_ISL_999741, EPI_ISL_999747, EPI_ISL_999756, EPI_ISL_999757, EPI_ISL_999825, EPI_ISL_999830, EPI_ISL_999832			
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