

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

All Submitters of data may be contacted directly via [www.gisaid.org](http://www.gisaid.org)

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EPI_ISL_1000000, EPI_ISL_1000011, EPI_ISL_1000025, EPI_ISL_1000039, EPI_ISL_1000043, EPI_ISL_1000049, EPI_ISL_1000051, EPI_ISL_1000057, EPI_ISL_1000080, EPI_ISL_1000081, EPI_ISL_1000092, EPI_ISL_1000093, EPI_ISL_1000094, EPI_ISL_1000095, EPI_ISL_1000102, EPI_ISL_1000140, EPI_ISL_1000142, EPI_ISL_1000143, EPI_ISL_1000144, EPI_ISL_1000152, EPI_ISL_1000153, EPI_ISL_1000155, EPI_ISL_1000159, EPI_ISL_1000164, EPI_ISL_1000165, EPI_ISL_1000167, EPI_ISL_1000173, EPI_ISL_1000174, EPI_ISL_1000179, EPI_ISL_1000184	see above	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 Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
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EPI_ISL_1012565, EPI_ISL_1012673, EPI_ISL_1012674, EPI_ISL_1012676, EPI_ISL_1012679, EPI_ISL_1012680, EPI_ISL_1012682, EPI_ISL_1012683, EPI_ISL_1012684, EPI_ISL_1012685, EPI_ISL_1012687, EPI_ISL_1012688, EPI_ISL_1012689, EPI_ISL_1012690, EPI_ISL_1012691, EPI_ISL_1012692, EPI_ISL_1012693, EPI_ISL_1012694	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
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EPI_ISL_1048030, EPI_ISL_1048035, EPI_ISL_1048044, EPI_ISL_1048045, EPI_ISL_1048046	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_1048053, EPI_ISL_1048077, EPI_ISL_1048081, EPI_ISL_1048091, EPI_ISL_1048099, EPI_ISL_1048100	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_1048305	MVZ Labor Dr. Kirkamm GmbH	Robert Koch Institute, Influenza and respiratory viruses FG17 & Bioinformatics MF1, Berlin, Germany	M. Haffner, Stephan Fuchs, Stefan Kroeger, Marianne Wedde, Oliver Drechsel, Aleksandar Radonic, Rene Kmiecinski, Ralf Duerwald, Thorsten Wolff
EPI_ISL_1048411, EPI_ISL_1048412, EPI_ISL_1048420, EPI_ISL_1048421, EPI_ISL_1048422, EPI_ISL_1048423, EPI_ISL_1048424, EPI_ISL_1048426	Wojewódzka Stacja Sanitarno-Epidemiologiczna w Olsztynie, Laboratorium Bada Epidemiologiczno-Klinicznych	Wojewódzka Stacja Sanitarno-Epidemiologiczna w Olsztynie, Laboratorium Bada Epidemiologiczno-Klinicznych	Sylvia Krtzowska, Monika Czemiska, Barbara Doliska, Ewa Liszewska, Tomasz Jakubczak, Marta ukian, Patryk Bielecki, Aleksandra Kobiatko, Emilia Tarabasz, Paulina Róycka, Beata Wasiek
EPI_ISL_1050177, EPI_ISL_1050178, EPI_ISL_1050179, EPI_ISL_1050181, EPI_ISL_1050182, EPI_ISL_1050184	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_1050335, EPI_ISL_1050339, EPI_ISL_1050340	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_1050375, EPI_ISL_1050376, EPI_ISL_1050377, EPI_ISL_1050399	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_1050993	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_1051059, EPI_ISL_1051061, EPI_ISL_1051064, EPI_ISL_1051066, EPI_ISL_1051068	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_1051289, EPI_ISL_1051290, EPI_ISL_1051291, EPI_ISL_1051293, EPI_ISL_1051294, EPI_ISL_1051295, EPI_ISL_1051296, EPI_ISL_1051329, EPI_ISL_1051336, EPI_ISL_1051337, EPI_ISL_1051338, EPI_ISL_1051407			
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_1051759, EPI_ISL_1051760, EPI_ISL_1051761, EPI_ISL_1051765, EPI_ISL_1051767, EPI_ISL_1051769, EPI_ISL_1051770, EPI_ISL_1051771, EPI_ISL_1051772, EPI_ISL_1051773, EPI_ISL_1051776, EPI_ISL_1051778, EPI_ISL_1051782, EPI_ISL_1051784			
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_1052296, EPI_ISL_1052312, EPI_ISL_1052324, EPI_ISL_1052333, EPI_ISL_1052334, EPI_ISL_1052341, EPI_ISL_1052345, EPI_ISL_1052350, EPI_ISL_1052358, EPI_ISL_1052366, EPI_ISL_1052371, EPI_ISL_1052373, EPI_ISL_1052380, EPI_ISL_1052381, EPI_ISL_1052382, EPI_ISL_1052392, EPI_ISL_1052393, EPI_ISL_1052397, EPI_ISL_1052407, EPI_ISL_1052410, EPI_ISL_1052411, EPI_ISL_1052414, EPI_ISL_1052418, EPI_ISL_1052419, EPI_ISL_1052420, EPI_ISL_1052429, EPI_ISL_1052430, EPI_ISL_1052444, EPI_ISL_1052452, EPI_ISL_1052460, EPI_ISL_1052597, EPI_ISL_1052615, EPI_ISL_1052619, EPI_ISL_1052629, EPI_ISL_1052646, EPI_ISL_1052654, EPI_ISL_1052670, EPI_ISL_1052671, EPI_ISL_1052676, EPI_ISL_1052762			
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 Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1053823, EPI_ISL_1053968, EPI_ISL_1053969, EPI_ISL_1053970	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_1054766, EPI_ISL_1054787	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_1056470	National Laboratory for Health, Environment and Food	CISLD (Clinical Institute of Special Laboratory Diagnostics), University Children's Hospital, University Medical Center Ljubljana	Jernej Kova, Barbara Jenko Bizjan, Tine Tesovnik, Robert Šket, Katarina Kozmos, Ana Grom, Maruša Debeljak, Marko Pokorn, Tadej Battelino
EPI_ISL_1056645, EPI_ISL_1056646, EPI_ISL_1056647, EPI_ISL_1056648, EPI_ISL_1056649	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_1057008	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_1057667, EPI_ISL_1057673, EPI_ISL_1057792, EPI_ISL_1057793, EPI_ISL_1057794, EPI_ISL_1057795, EPI_ISL_1057796, EPI_ISL_1057797, EPI_ISL_1057798, EPI_ISL_1057799, EPI_ISL_1057800, EPI_ISL_1057801, EPI_ISL_1057803, EPI_ISL_1057804, EPI_ISL_1057805, EPI_ISL_1057806, EPI_ISL_1057807, EPI_ISL_1057808, EPI_ISL_1057809, EPI_ISL_1057810, EPI_ISL_1057811, EPI_ISL_1057812, EPI_ISL_1057813, EPI_ISL_1057814, EPI_ISL_1057815, EPI_ISL_1057816, EPI_ISL_1057817			
see above	Randox Laboratories	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Randox Laboratories 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_1058053	Haukeland University Hospital, Dept. of Microbiology	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 Hungnes
EPI_ISL_1058457, EPI_ISL_1058459, EPI_ISL_1058460	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_1058501, EPI_ISL_1058504, EPI_ISL_1058507, EPI_ISL_1058510, EPI_ISL_1058513	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_1063292, EPI_ISL_1063295, EPI_ISL_1063296, EPI_ISL_1063297, EPI_ISL_1063298, EPI_ISL_1063307, EPI_ISL_1063310, EPI_ISL_1063311, EPI_ISL_1063312, EPI_ISL_1063323, EPI_ISL_1063324, EPI_ISL_1063326, EPI_ISL_1063327, EPI_ISL_1063331, EPI_ISL_1063336, EPI_ISL_1063338, EPI_ISL_1063340, EPI_ISL_1063342, EPI_ISL_1063345, EPI_ISL_1063348, EPI_ISL_1063350, EPI_ISL_1063351, EPI_ISL_1063352, EPI_ISL_1063353, EPI_ISL_1063354, EPI_ISL_1063356, EPI_ISL_1063370, EPI_ISL_1063386, EPI_ISL_1063388, EPI_ISL_1063390, EPI_ISL_1063395			

see above	Randox Laboratories	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Randox Laboratories 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_1063499, EPI_ISL_1063511	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_1064006	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron	Cristina Andrés, María Piñana, Josep F Abril, Damir Garcia-Cehic, Ariadna Rando, Juliana Esperalba, María Gema Codina, Carla Castillo, María Carmen Martín, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_1064387	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1064444, EPI_ISL_1064445	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_1070008, EPI_ISL_1070010, EPI_ISL_1070038, EPI_ISL_1070047, EPI_ISL_1070109, EPI_ISL_1070743, EPI_ISL_1070779, EPI_ISL_1070786, EPI_ISL_1070809, EPI_ISL_1070818, EPI_ISL_1070863, EPI_ISL_1070867, EPI_ISL_1070908, EPI_ISL_1070919, EPI_ISL_1070924, EPI_ISL_1071014, EPI_ISL_1071021, EPI_ISL_1071025, EPI_ISL_1071029			
see above	Randox Laboratories	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Randox Laboratories 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_1073964	Ramathibodi Hospital	COVID-19 Network Investigations (CONI) Alliance	Elizabeth Batty, Wasun Chantratita, Thanat Chookajorn, Stefan Fernandez, Angkana Huang, Anthony R. Jones, Khajohn Joonlasak, Chonticha Klungtong, Theerarat Kochakarn, Namfon Kotanan, Krittikorn Kumpornsin, Duangkamon Loesbanluetchai, Wuditchai Manasatienkij, Bhakbhoon Panthan, Ekawat Pasomsub, Kingkan Rakmanee, Insee Sensor, Janjira Thaipadungpanit, Arporn Wangwiwatsin, Treewat Watthanachockchai
EPI_ISL_1080170, EPI_ISL_1080217, EPI_ISL_1080321	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_1081045, EPI_ISL_1081046, EPI_ISL_1081047, EPI_ISL_1081050, EPI_ISL_1081053, EPI_ISL_1081059	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, Efen Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1084754	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1085607, EPI_ISL_1085611	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_1089457, EPI_ISL_1089458, EPI_ISL_1089459, EPI_ISL_1089460, EPI_ISL_1089461, EPI_ISL_1089657, EPI_ISL_1089658, EPI_ISL_1089659	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_1091186, EPI_ISL_1091187, EPI_ISL_1091194, EPI_ISL_1091197	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1091402	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_1092364, EPI_ISL_1092367, EPI_ISL_1092377, EPI_ISL_1092378, EPI_ISL_1092383, EPI_ISL_1092384, EPI_ISL_1092418, EPI_ISL_1092419, EPI_ISL_1092420, EPI_ISL_1092432, EPI_ISL_1092455, EPI_ISL_1092456, EPI_ISL_1092497, EPI_ISL_1092498, EPI_ISL_1092504, EPI_ISL_1092505, EPI_ISL_1092526, EPI_ISL_1092527, EPI_ISL_1092528, EPI_ISL_1092536, EPI_ISL_1092537, EPI_ISL_1092540, EPI_ISL_1092542, EPI_ISL_1092543, EPI_ISL_1092545, EPI_ISL_1092551, EPI_ISL_1092554, EPI_ISL_1092556, EPI_ISL_1092562, EPI_ISL_1092581, EPI_ISL_1092582, EPI_ISL_1092583, EPI_ISL_1092584, EPI_ISL_1092585, EPI_ISL_1092586, EPI_ISL_1092587, EPI_ISL_1092588, EPI_ISL_1092589, EPI_ISL_1092590, EPI_ISL_1092591, EPI_ISL_1092592, EPI_ISL_1092593, EPI_ISL_1092594, EPI_ISL_1092595, EPI_ISL_1092596, EPI_ISL_1092597, EPI_ISL_1092598, EPI_ISL_1092599, EPI_ISL_1092600, EPI_ISL_1092623, EPI_ISL_1092626, EPI_ISL_1092627, EPI_ISL_1092628, EPI_ISL_1092629, EPI_ISL_1092673, EPI_ISL_1092674, EPI_ISL_1092675, EPI_ISL_1092676, 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EPI_ISL_1109493	University Hospital for Infectious Diseases	Croatian Institute of Public Health		Irena Tabain, Ivana Ferenak
EPI_ISL_1109495	Croatian Institute of Public Health	Croatian Institute of Public Health		Irena Tabain, Ivana Ferenak
EPI_ISL_1114455, EPI_ISL_1114458	Utah Public Health Laboratory	Utah Public Health Laboratory		Erin L. Young, Kelly F. Oakeson, Tara Gallagher
EPI_ISL_1118318	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_1118356, EPI_ISL_1118357	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_1118358, EPI_ISL_1118359	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_1118360	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_1129377, EPI_ISL_1129388, EPI_ISL_1129404	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_1129562	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 Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129670, EPI_ISL_1129782, EPI_ISL_1129800, EPI_ISL_1129804, EPI_ISL_1129817, EPI_ISL_1129823, EPI_ISL_1129914, EPI_ISL_1130035, EPI_ISL_1130041, EPI_ISL_1130046, EPI_ISL_1130085, EPI_ISL_1130116	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	
see above	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 Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130163	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 Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130171	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_1130180	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 Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130207	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_1130346, EPI_ISL_1130382, EPI_ISL_1130456, EPI_ISL_1130477	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 Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130539, EPI_ISL_1130614, EPI_ISL_1130621, EPI_ISL_1130657, EPI_ISL_1130702, EPI_ISL_1130755, EPI_ISL_1130763	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_1130854	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 Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1130905, EPI_ISL_1130974, EPI_ISL_1131004, EPI_ISL_1131070	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_1132796	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang	
EPI_ISL_1138751	General Hospital - Shtip	Research Center for Genetic Engineering and Biotechnology "Georgi D. Efremov", Macedonian Academy of Sciences and Arts	Aleksandar J. Dimovski, Dijana Plasheska-Karanfilska, Predrag Noveski, Gjorgji Bozinovski, Milena Jakimovska	
EPI_ISL_1143201	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown	
EPI_ISL_1143417	Uniklinikum Carl Gustav Carus an der TU Dresden; Institut für Virologie	Robert Koch Institute	unknown	
EPI_ISL_1144042	MVZ Dr. Eberhard & Partner Dortmund	Robert Koch Institute	unknown	
EPI_ISL_1144379	IMD Labor Frankfurt	Robert Koch Institute	unknown	
EPI_ISL_1144999	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown	
EPI_ISL_1145056	Sonic - Labor Dr. von Foreich GmbH	Robert Koch Institute	unknown	
EPI_ISL_1145096, EPI_ISL_1145097, EPI_ISL_1145109	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown	
EPI_ISL_1145115	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown	
EPI_ISL_1145132, EPI_ISL_1145186, EPI_ISL_1145196	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown	
EPI_ISL_1145286	Universitätsklinikum Gießen - Institut für Medizinische Virologie	Robert Koch Institute	unknown	
EPI_ISL_1145291, EPI_ISL_1145298,	MVZ Labor Krone GbR	Robert Koch Institute	unknown	

EPI_ISL_1145301, EPI_ISL_1145311			
EPI_ISL_1145336, EPI_ISL_1145348, EPI_ISL_1145371, EPI_ISL_1145377, EPI_ISL_1145386, EPI_ISL_1145404, EPI_ISL_1145408	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145459, EPI_ISL_1145471	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1145958, EPI_ISL_1146087	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146102	LabKom - Labor Augsburg MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146125	LabKom - Labor Hannover MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146165	LabKom - Labor Augsburg MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146173, EPI_ISL_1146174	amedes MVZ Hannover	Robert Koch Institute	unknown
EPI_ISL_1147178	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1147414	LADR MVZ Zweigpraxis Bernau	Robert Koch Institute	unknown
EPI_ISL_1147697	amedes MVZ DIAMEDIS Sennestadt	Robert Koch Institute	unknown
EPI_ISL_1148137, EPI_ISL_1148162	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1148236, EPI_ISL_1148239, EPI_ISL_1148267, EPI_ISL_1148319	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1148460	Uniklinikum Regensburg; Institut für Mikrobiologie	Robert Koch Institute	unknown
EPI_ISL_1149073, EPI_ISL_1149077, EPI_ISL_1149088, EPI_ISL_1149090, EPI_ISL_1149091, EPI_ISL_1149095, EPI_ISL_1149100, EPI_ISL_1149101, EPI_ISL_1149104, EPI_ISL_1149109, EPI_ISL_1149112, EPI_ISL_1149115, EPI_ISL_1149118, EPI_ISL_1149119, EPI_ISL_1149120, EPI_ISL_1149123, EPI_ISL_1149128, EPI_ISL_1149135, EPI_ISL_1149139, EPI_ISL_1149142, EPI_ISL_1149145, EPI_ISL_1149153, EPI_ISL_1149159, EPI_ISL_1149161, EPI_ISL_1149172, EPI_ISL_1149177, EPI_ISL_1149183, EPI_ISL_1149189, EPI_ISL_1149191, EPI_ISL_1149199, EPI_ISL_1149207, EPI_ISL_1149211, EPI_ISL_1149214, EPI_ISL_1149216, EPI_ISL_1149220, EPI_ISL_1149221, EPI_ISL_1149227, EPI_ISL_1149228, EPI_ISL_1149229, EPI_ISL_1149231, EPI_ISL_1149233, EPI_ISL_1149235, EPI_ISL_1149236, EPI_ISL_1149237, EPI_ISL_1149244, EPI_ISL_1149247, EPI_ISL_1150530, EPI_ISL_1150540, EPI_ISL_1150548, EPI_ISL_1150553, EPI_ISL_1150558, EPI_ISL_1150567, EPI_ISL_1150572, EPI_ISL_1150577, EPI_ISL_1150585, EPI_ISL_1150596, EPI_ISL_1150605, EPI_ISL_1150608, EPI_ISL_1150611, EPI_ISL_1150619, EPI_ISL_1150625, EPI_ISL_1150626, EPI_ISL_1150631, EPI_ISL_1150634, EPI_ISL_1150645, EPI_ISL_1150646, EPI_ISL_1150649, EPI_ISL_1150650, EPI_ISL_1150651, EPI_ISL_1150655, EPI_ISL_1150669, EPI_ISL_1150675, EPI_ISL_1150683, EPI_ISL_1150694			
see above	Diagnosticum - Labor Neukirchen	Robert Koch Institute	unknown
EPI_ISL_1151828, EPI_ISL_1151861, EPI_ISL_1151872, EPI_ISL_1151883	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1152005, EPI_ISL_1152007, EPI_ISL_1152008, EPI_ISL_1152009	Diagnosticum - Labor Neukirchen	Robert Koch Institute	unknown
EPI_ISL_1152539	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute	unknown
EPI_ISL_1152576	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1152598	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute	unknown
EPI_ISL_1152599	MVZ Labor Passau GbR	Robert Koch Institute	unknown
EPI_ISL_1152864, EPI_ISL_1152889, EPI_ISL_1152935, EPI_ISL_1152949, EPI_ISL_1152982, EPI_ISL_1153108, EPI_ISL_1153113, EPI_ISL_1153116, EPI_ISL_1153117, EPI_ISL_1153118	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1153690	Plateforme de testing Namuroise	Plateforme de testing Namuroise	Otto Gaetan ; Denis Olivier ; Degosserie Jonathan ; Mullier François
EPI_ISL_1154498, EPI_ISL_1154518, EPI_ISL_1154632, EPI_ISL_1154699, EPI_ISL_1154708, EPI_ISL_1154786	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1154895	LabKom - Labor Hannover MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1154929	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1155099	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155384, EPI_ISL_1155413, EPI_ISL_1155416, EPI_ISL_1155422	MVZ Labor Dr. Fenner und Kollegen (Standort Hamburg)	Robert Koch Institute	unknown
EPI_ISL_1157101	Chemische und Veterinäruntersuchungsamt Münsterland-Emscher-Lippe	Robert Koch Institute	unknown
EPI_ISL_1158358, EPI_ISL_1158359, EPI_ISL_1158360, EPI_ISL_1158361, EPI_ISL_1158369, EPI_ISL_1158520, EPI_ISL_1158523	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_1158635	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_1159137	HOSPITAL COMARCAL DE MELILLA	Instituto de Salud Carlos III	Vázquez-Morón,S. Iglesias-Caballero, M. Sardonis,V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I.ROMAN SOTO, SERGIO
EPI_ISL_1159223	HOSPITAL GENERAL UNIVERSITARIO SANTA LUCIA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sardonis,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_1160207, EPI_ISL_1160209, EPI_ISL_1160211, EPI_ISL_1160219	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Maximilian Damagnez;Alexander Dilthey;Torsten Houwaart;Lisanna Hülse;Malte Kohns Vasconcelos;Nadine Lübke;Jessica Nicolai;Klaus Pfeffer;Daniel Strelow;Jörg Timm;Andreas Walker;Tobias Wienemann
EPI_ISL_1164947	Hôpital Georges L. Dumont	National Microbiology Laboratory (NML)	Anna Majer, Shari Tyson, Grace Seo, Philip Mabon, Elsie Grudeski, Rhannon Huzarewich, Russell Mandes, Anneliese Landgraff, Jennifer Tanner, Natalie Knox, Morag Graham, Gary Van Domselaar, Richard Garceau, Guillaume Desnoyers, Nathalie Bastien, Yan Li, Timothy Booth, Darian Hole, Madison Chapel, Kirsten Biggar, CanCOGeN's metadata curation team, Public Health Agency of Canada CanCOGeN team
EPI_ISL_1165009, EPI_ISL_1165016, EPI_ISL_1165017, EPI_ISL_1165018, EPI_ISL_1165019, EPI_ISL_1165020, EPI_ISL_1165021, EPI_ISL_1165022, EPI_ISL_1165023, EPI_ISL_1165024, EPI_ISL_1165025, EPI_ISL_1165027, EPI_ISL_1165045			
see above	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_1165233, EPI_ISL_1165482	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_1168300, EPI_ISL_1168303	Academic Center for Pathomorphological and Genetic-Molecular Diagnostics Ltd, Bialystok, Poland	Academic Center for Pathomorphological and Genetic-Molecular Diagnostics Ltd, Bialystok, Poland	Radoslaw Charkiewicz, Przemyslaw Biecek, Jacek Nikliski, Joanna Resze
EPI_ISL_1173817, EPI_ISL_1173879, EPI_ISL_1173882	Università Federico II - Dipartimento di scienze mediche traslazionali - Napoli	TIGEM	Antonio Grimaldi Patrizia Annunziata Francesco Panariello Michele Cennamo Valentina Bouche Chiara Colantuono Lucio Di Filippo Mariano Fiorenza Anna Manfredi Marcello Salvi Giuseppe Portella Andrea Ballabio Davide Cacchiarelli
EPI_ISL_1177712, EPI_ISL_1177713	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_1178497, EPI_ISL_1178504, EPI_ISL_1178508, EPI_ISL_1178509, EPI_ISL_1178510, EPI_ISL_1178511, EPI_ISL_1178512, EPI_ISL_1178514, EPI_ISL_1178516	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_1178735, EPI_ISL_1178770, EPI_ISL_1178772	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_1179158	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 Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1179827	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_1182027	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_1190866	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 Brytting, Anna Risberg, Karin Tegmark-Wisell
EPI_ISL_1190871, EPI_ISL_1190872	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 Brytting, Anna Risberg, Karin Tegmark-Wisell
EPI_ISL_1190877	NPC	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 Brytting, Anna Risberg, Karin Tegmark-Wisell
EPI_ISL_1191681, EPI_ISL_1191705	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_1192210	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_1193275, EPI_ISL_1193276, EPI_ISL_1193284, EPI_ISL_1193286, EPI_ISL_1193287, EPI_ISL_1193288, EPI_ISL_1193293, EPI_ISL_1193294, EPI_ISL_1193295	Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani 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 Levandowski, 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_1194386, EPI_ISL_1194387, EPI_ISL_1194389, EPI_ISL_1194394, EPI_ISL_1194406, EPI_ISL_1194409, EPI_ISL_1194419	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani 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_1194733	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	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_1195367	Institute of Virology, Medical Center, University of Freiburg, Freiburg, Germany	Institute of Virology, Clinical Virus Genomics, Medical Center, University of Freiburg, Freiburg, Germany	Jonas Fuchs, Lisa Kern, Sandra Reuter, Hajo Grundmann, Marcus Panning
EPI_ISL_1195948, EPI_ISL_1195949	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1198061, EPI_ISL_1198071, EPI_ISL_1198125, EPI_ISL_1198126, EPI_ISL_1198127, EPI_ISL_1198130, EPI_ISL_1198355	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_1199386	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy; L.C. Laboratori Campisi s.r.l., Siracusa, Sicily, Italy	Istituto Superiore di Sanità (ISS)	Paola Stefanelli, Angela Di Martino, Alessandra Lo Presti, Stefano Fiore, Campisi Corrado, Iemmolo Rosario, Manuela Marra, Maria Carollo, Marco Crescenzi
EPI_ISL_1199745, EPI_ISL_1199746, EPI_ISL_1199756, EPI_ISL_1199762, EPI_ISL_1199766, EPI_ISL_1199767, EPI_ISL_1199768, EPI_ISL_1199769, EPI_ISL_1199770, EPI_ISL_1199771, EPI_ISL_1199772, EPI_ISL_1199773, EPI_ISL_1199779, EPI_ISL_1199816, EPI_ISL_1199820	Swedish national genomic surveillance program of SARS-CoV-2	The Public Health Agency of Sweden	Swedish national genomic surveillance program of SARS-CoV-2
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_1203834	The Jackson Laboratory	The Jackson Laboratory	Lloyd M, Sanderson B, Srivastava A, Maurya R, Renzette N, Omerza K, Kelly K, Li L, Wei C L, Adams M
EPI_ISL_1205289	WVU Rapid Development Laboratory	WVU and Marshall University Combined Genomics Core Facilities	James Denvir, Peter Stoilov, Peter Perrotta, Wesley Kimble, Ryan Percifield
EPI_ISL_1206080, EPI_ISL_1206159, EPI_ISL_1206215, EPI_ISL_1206265	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 Percivalles, 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_1208583, EPI_ISL_1208619, EPI_ISL_1208624, EPI_ISL_1208637, EPI_ISL_1208649	Microbiology Department, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol.	Can Ruti SARS-CoV-2 Sequencing Hub (HUGTP/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 Marró on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.
EPI_ISL_1209377	CHU LILLE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU Enagnon Kazali, BOCKET Laurence, CREPIN Michel, DEMAY Christophe, ENGELMANN Iika, GEFFROY Sandrine, GUIGON Aurélie, LAZREK Mouna, NOBILLIAUX Florian, PREVOST Brigitte, THUILLIER Caroline, TINEZ Claire
EPI_ISL_1209523, EPI_ISL_1209772, EPI_ISL_1209773, EPI_ISL_1209774, EPI_ISL_1209775, EPI_ISL_1209776, EPI_ISL_1209777, EPI_ISL_1209778, EPI_ISL_1209779, EPI_ISL_1209780, EPI_ISL_1209781, EPI_ISL_1209782, EPI_ISL_1209805	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 Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri
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 Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri

			Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_1212013	Uniklinikum Jena	Robert Koch Institute	unknown
EPI_ISL_1212696	Istituto Zooprofilattico Sperimentale Umbria e Marche "Togo Rosati"	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Biagetti M., Giammarioli M., Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Scialabba S, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_1212768	LabKom - Labor an der Salzbrücke MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1214401, EPI_ISL_1214496, EPI_ISL_1214618	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 Brezmes-Valdivieso, Gregoria Megias Lobón, María Antonia García Castro, Carmen Gimeno Crespo, Noelia Arenal Andrés, Carlos Fuster Foz, M. Isabel Fernandez-Natal, Jose María Eiros Bouza
EPI_ISL_1217836, EPI_ISL_1217837	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1218123, EPI_ISL_1218177	Labor ZOTZ KLIMAS; MVZ Düsseldorf-Centrum	Robert Koch Institute	unknown
EPI_ISL_1219275	LIC	Latvian Biomedical Research and Study Centre	Janis Pjalkovskis, Nikita Zrelavs, Monta Ustinova, Ivars Silamikelis, Liga Birzniece, Kaspars Megnis, Una Krumina, Guntars Zarins, Vita Rovite, Lauma Freimane, Laila Silamikele, Laura Ansonė, Davids Fridmanis, Reinis Zeltmatis, Diana Dusacka, Juris Pervosikovs, Uga Dumpis, Janis Kloivins
EPI_ISL_1220200, EPI_ISL_1220202, EPI_ISL_1220203, EPI_ISL_1220204, EPI_ISL_1220206, EPI_ISL_1220207, EPI_ISL_1220208, EPI_ISL_1220212, EPI_ISL_1220214, EPI_ISL_1220215, EPI_ISL_1220216, EPI_ISL_1220217, EPI_ISL_1220218, EPI_ISL_1220219, EPI_ISL_1220222, EPI_ISL_1220223, EPI_ISL_1220225, EPI_ISL_1220226, EPI_ISL_1220227, EPI_ISL_1220228, EPI_ISL_1220229, EPI_ISL_1220230, EPI_ISL_1220231, EPI_ISL_1220232, EPI_ISL_1220233, EPI_ISL_1220234, EPI_ISL_1220235, EPI_ISL_1220237, EPI_ISL_1220239, EPI_ISL_1220240, EPI_ISL_1220241, EPI_ISL_1220244, EPI_ISL_1220247, EPI_ISL_1220248, EPI_ISL_1220249, EPI_ISL_1220250, EPI_ISL_1220251, EPI_ISL_1220252, EPI_ISL_1220254, EPI_ISL_1220255, EPI_ISL_1220256, EPI_ISL_1220257, EPI_ISL_1220258, EPI_ISL_1220259, EPI_ISL_1220260, EPI_ISL_1220261, EPI_ISL_1220264, EPI_ISL_1220266, EPI_ISL_1220267, EPI_ISL_1220268, EPI_ISL_1220269, EPI_ISL_1220270, EPI_ISL_1220271, EPI_ISL_1220272, EPI_ISL_1220273, EPI_ISL_1220274, EPI_ISL_1220275, EPI_ISL_1220276, EPI_ISL_1220277, EPI_ISL_1220278, EPI_ISL_1220279, EPI_ISL_1220280, EPI_ISL_1220281, EPI_ISL_1220282, EPI_ISL_1220283, EPI_ISL_1220284, EPI_ISL_1220285, EPI_ISL_1220286, EPI_ISL_1220287, EPI_ISL_1220289, EPI_ISL_1220290, EPI_ISL_1220291, EPI_ISL_1220292, EPI_ISL_1220293, EPI_ISL_1220294, EPI_ISL_1220295, EPI_ISL_1220296, EPI_ISL_1220297, EPI_ISL_1220298, EPI_ISL_1220299, EPI_ISL_1220300, EPI_ISL_1220301, EPI_ISL_1220302, EPI_ISL_1220303	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset	
see above	BIOMNIS LYON		
EPI_ISL_1224822	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1224951	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 Myrtennäs, David Sundell, Caroline Öhrman, Mats Forsman, Annika Allard, Annika Osterman
EPI_ISL_1231538, EPI_ISL_1231539, EPI_ISL_1231543, EPI_ISL_1231628, EPI_ISL_1231629, EPI_ISL_1231631, EPI_ISL_1231632, EPI_ISL_1231633, EPI_ISL_1231635, EPI_ISL_1231636, EPI_ISL_1231637, EPI_ISL_1231639, EPI_ISL_1231640, EPI_ISL_1231641, EPI_ISL_1231643, EPI_ISL_1231644, EPI_ISL_1231645, EPI_ISL_1231647, EPI_ISL_1231648, EPI_ISL_1231649, EPI_ISL_1231729, EPI_ISL_1231731			
see above	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1233574, EPI_ISL_1233575	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1235701, EPI_ISL_1235755, EPI_ISL_1235837	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 Golihar, and James M. Musser
EPI_ISL_1241880	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_1245907	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 Gonçalves, 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_1247695, EPI_ISL_1247723	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_1247867	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_1248273	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_1248949, EPI_ISL_1248965, EPI_ISL_1248966, EPI_ISL_1248967, EPI_ISL_1248968, EPI_ISL_1248969, EPI_ISL_1248970, EPI_ISL_1248972, EPI_ISL_1248973, EPI_ISL_1248975, EPI_ISL_1249040, EPI_ISL_1249043, EPI_ISL_1249046, EPI_ISL_1249056, EPI_ISL_1249061	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_1249212, EPI_ISL_1249231	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_1249258, EPI_ISL_1249259, EPI_ISL_1249261	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_1250603	Centre Hospitalier Universitaire de Rouen Laboratoire de Virologie	Centre Hospitalier Universitaire de Rouen Laboratoire de Virologie	Alice Moisan, Fabienne De Oliveira, Marie Leoz
EPI_ISL_1251996, EPI_ISL_1252001	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 Vøllan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1252002	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 Vøllan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1252730, EPI_ISL_1252731	Anteja laboratorija (UAB Diagnostikos laboratorija)	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Gytis Dudas, Rimvydas Norvilas, Dovile Ezerskyte, Daniel Naumovas, Ingrida Olendraite, Ligita Raugaite, Monika Katenaite, Mindaugas Stoskus, Laimonas Griskevicius
EPI_ISL_1253539, EPI_ISL_1253540, EPI_ISL_1253545, EPI_ISL_1253546, EPI_ISL_1253547, EPI_ISL_1253558, EPI_ISL_1253559	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_1261183, EPI_ISL_1261195, EPI_ISL_1261196, EPI_ISL_1261197, EPI_ISL_1261198, EPI_ISL_1261199, EPI_ISL_1261200, EPI_ISL_1261201, EPI_ISL_1261202, EPI_ISL_1261294, EPI_ISL_1261295, EPI_ISL_1261296, EPI_ISL_1261297, EPI_ISL_1261298, EPI_ISL_1261299, EPI_ISL_1261300, EPI_ISL_1261301, EPI_ISL_1261302			
see above	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_1261306, EPI_ISL_1261307	National Institute of Public Health	National Reference Laboratory for Influenza and Respiratory Viruses CZE	Helena Jirincova, Jaromira Vecerova, Timotej Suri, Dusan Trnka, Alexander Nagy



EPI_ISL_1261394, EPI_ISL_1261411	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_1262088	HOSPITAL UNIVERSITARIO INSULAR DE GRAN CANARIA	Instituto de Salud Carlos III	Sandonis,V. Vázquez-Morón, S. Iglesias-Caballero, M. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballós, A. Monzón, S. Varona, S. Cuesta, I. Del Rosario, C.
EPI_ISL_1265464	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_1265475, EPI_ISL_1265480, EPI_ISL_1265492, EPI_ISL_1265495, EPI_ISL_1265503, EPI_ISL_1265504, EPI_ISL_1265505, EPI_ISL_1265508, EPI_ISL_1265518, EPI_ISL_1265519, EPI_ISL_1265520, EPI_ISL_1265521, EPI_ISL_1265522, EPI_ISL_1265523, EPI_ISL_1265524, EPI_ISL_1265525, EPI_ISL_1265526, EPI_ISL_1265527, EPI_ISL_1265528, EPI_ISL_1265529, EPI_ISL_1265530, EPI_ISL_1265531, EPI_ISL_1265532, EPI_ISL_1265533, EPI_ISL_1265534, EPI_ISL_1265535, EPI_ISL_1265536, EPI_ISL_1265537, EPI_ISL_1265538, EPI_ISL_1265539, EPI_ISL_1265540, EPI_ISL_1265541, EPI_ISL_1265542, EPI_ISL_1265543, EPI_ISL_1265544, EPI_ISL_1265545, EPI_ISL_1265547, EPI_ISL_1265559, EPI_ISL_1265560, EPI_ISL_1265561, EPI_ISL_1265562, EPI_ISL_1265563, EPI_ISL_1265564, EPI_ISL_1265565, EPI_ISL_1265566, EPI_ISL_1265567, EPI_ISL_1265568, EPI_ISL_1265569, EPI_ISL_1265572, EPI_ISL_1265573, EPI_ISL_1265574, EPI_ISL_1265575, EPI_ISL_1265576, EPI_ISL_1265577			
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_1265683	AXBIO	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_1268655	Laborzentrum Weser	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1272474	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_1273777	WSSE Gdask	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_1278397, EPI_ISL_1278402, EPI_ISL_1278439, EPI_ISL_1278448, EPI_ISL_1278455, EPI_ISL_1278460, EPI_ISL_1278464, EPI_ISL_1278468, EPI_ISL_1278530, EPI_ISL_1278542, EPI_ISL_1278543, EPI_ISL_1278551, EPI_ISL_1278552, EPI_ISL_1278553, EPI_ISL_1278554, EPI_ISL_1278564, EPI_ISL_1278775, EPI_ISL_1278776, EPI_ISL_1278777, EPI_ISL_1278778, EPI_ISL_1278779, EPI_ISL_1278780, EPI_ISL_1278795, EPI_ISL_1278798, EPI_ISL_1278802, EPI_ISL_1278803, EPI_ISL_1278809, EPI_ISL_1278820, EPI_ISL_1278824, EPI_ISL_1278829, EPI_ISL_1278840, EPI_ISL_1278850, EPI_ISL_1278858, EPI_ISL_1278860, EPI_ISL_1278871, EPI_ISL_1278890			
see above	Clalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1279029, EPI_ISL_1279030, EPI_ISL_1279109, EPI_ISL_1279119	Department of Virology and Immunology, University of Helsinki and Helsinki University Hospital, Huslab Finland	Department of Virology, Faculty of Medicine, University of Helsinki, Helsinki, 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_1280092, EPI_ISL_1280093, EPI_ISL_1280094, EPI_ISL_1280095, EPI_ISL_1280096, EPI_ISL_1280097, EPI_ISL_1280098, EPI_ISL_1280099	Department of Genetics, Medirex	Laboratory of Genomics and Bioinformatics, Comenius University Science Park	Tatiana Sedláková, Miroslav Böhmer, Renáta Lukáková, Gabriel Minárik, Anna Giová, Werner Krampfl, Diana Rusáková, Jaroslav Budiš, Tomáš Szemes
EPI_ISL_1280630	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1290842, EPI_ISL_1290843, EPI_ISL_1290844, EPI_ISL_1290845, EPI_ISL_1290849, EPI_ISL_1290850, EPI_ISL_1290851, EPI_ISL_1290852, EPI_ISL_1290853, EPI_ISL_1290854	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_1291322, EPI_ISL_1291327, EPI_ISL_1291366, EPI_ISL_1291371, EPI_ISL_1291372	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1295202	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Kelsey R. Florek, Abigail C. Shockey
EPI_ISL_1295840, EPI_ISL_1295851	Sharp HealthCare Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Aaron Harding, Jacquelyn Berumen, Cathy Woerle, Liam McGinnis, Art Mendoza, Omid Bakhtar
EPI_ISL_1296600, EPI_ISL_1296601, EPI_ISL_1296606, EPI_ISL_1296608	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_1297421	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_1297435	CENTRE HOSPITALIER DE MACON	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_1297436	CENTRE HOSPITALIER DE BOURG EN BRESSE	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_1300344, EPI_ISL_1300357, EPI_ISL_1300371, EPI_ISL_1300386, EPI_ISL_1300387	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_1300804	MSHS Clinical Microbiology Laboratories	MSHS Pathogen Surveillance Program	Ana S. Gonzalez-Reiche, Hala Alshammari, Mitchell J. Sullivan, Brianne Ciferri, Ajay Obla, Angela Amoako, Mahmoud Awawda, Daniel Floda, Julia Matthews, Ashley Salimbangon, Levy Sominsky, Katherine Beach, Kayla Russo, Charles Gleason, Sheldie Fabre, Giulio Kleiner, Zenab Khan, Bremy Albuquerque, Adriana van de Guchte, Komal Srivastava, Matthew M. Hernandez, Jayeeta Dutta, Denise Jurczynszak, Nancy Francoeur, Betsaida Salom Melo, Irina Oussenko, Gintaras Deikus, Juan Soto, Shwetha Hara Sridhar, Ying-Chih Wang, Kathryn Twyman, Deena R. Altman, Robert Sebra, Adolfo Garcia-Sastre, Marta Luksza, Gopi Patel, Sarah Schaefer, Melissa Gitman, Michael D. Nowak, Alberto Paniz-Mondolfi, Emilia Mia Sordillo, Viviana Simon, Harm van Bakel
EPI_ISL_1301991	National Center of Infectious and Parasitic Diseases	National Center of Infectious and Parasitic Diseases	Alexiev et al
EPI_ISL_1308544, EPI_ISL_1308570	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_1308721, EPI_ISL_1308844, EPI_ISL_1308859	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_1309647	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_1309671, EPI_ISL_1309675, EPI_ISL_1309676, EPI_ISL_1309677, EPI_ISL_1309678	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_1309751	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_1310930, EPI_ISL_1310985, EPI_ISL_1311039, EPI_ISL_1311102, EPI_ISL_1311103, EPI_ISL_1311104	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_1311924	Hospital General Universitario de Alicante - Instituto de	SeqCOVID-SPAIN consortium/IBV(CSIC)	Maripaz Ventero Martin, Carmen Molina Pardines and SeqCOVID-SPAIN consortium

	Investigación Sanitaria y Biomédica de Alicante		
EPI_ISL_1313048, EPI_ISL_1313117	CNR Virus des Infections Respiratoires - France SUD	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_1317255, EPI_ISL_1317256, EPI_ISL_1317306	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elishaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Volland, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317307	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 Elishaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Volland, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317308	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 Elishaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Volland, Karoline Bragstad, Olav Hungnes
EPI_ISL_1321612, EPI_ISL_1321614, EPI_ISL_1321616, EPI_ISL_1321620	LADR GmbH MVZ Dr. Kramer & Kollegen Geesthacht	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1321821	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1324660, EPI_ISL_1324661, EPI_ISL_1324662, EPI_ISL_1324663, EPI_ISL_1324664	National Food and Veterinary Risk Assessment Institute	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Gytis Dudas, Rimvydas Norvilas, Dovile Ezerskyte, Daniel Naumovas, Ingrida Olendraitė, Ligita Raugaite, Monika Katenaite, Mindaugas Stoskus, Laimonas Griskevicius
EPI_ISL_1348494	Universitätsklinikum Heidelberg	Robert Koch Institute	unknown
EPI_ISL_1358596, EPI_ISL_1358598, EPI_ISL_1358599, EPI_ISL_1358600, EPI_ISL_1358602, EPI_ISL_1358603, EPI_ISL_1358604, EPI_ISL_1358606, EPI_ISL_1358607, EPI_ISL_1358608, EPI_ISL_1358609, EPI_ISL_1358610, EPI_ISL_1358611, EPI_ISL_1358612, EPI_ISL_1358613, EPI_ISL_1358614, EPI_ISL_1358615, EPI_ISL_1358616, EPI_ISL_1358617, EPI_ISL_1358618, EPI_ISL_1358619, EPI_ISL_1358621, EPI_ISL_1358622, EPI_ISL_1358623, EPI_ISL_1358624, EPI_ISL_1358625, EPI_ISL_1358627, EPI_ISL_1358628, EPI_ISL_1358630, EPI_ISL_1358631, EPI_ISL_1358632, EPI_ISL_1358634, EPI_ISL_1358635, EPI_ISL_1358636, EPI_ISL_1358637, EPI_ISL_1358638, EPI_ISL_1358639, EPI_ISL_1358640, EPI_ISL_1358641, EPI_ISL_1358642, EPI_ISL_1358643, EPI_ISL_1358644, EPI_ISL_1358646, EPI_ISL_1358647, EPI_ISL_1358648, EPI_ISL_1358649, EPI_ISL_1358650, EPI_ISL_1358651, EPI_ISL_1358653, EPI_ISL_1358655, EPI_ISL_1358656, EPI_ISL_1358657, EPI_ISL_1358658, EPI_ISL_1358659, EPI_ISL_1358660, EPI_ISL_1358661, EPI_ISL_1358662, EPI_ISL_1358663, EPI_ISL_1358664, EPI_ISL_1358665, EPI_ISL_1358666, EPI_ISL_1358667, EPI_ISL_1358668, EPI_ISL_1358669, EPI_ISL_1358670, EPI_ISL_1358671, EPI_ISL_1358672, EPI_ISL_1358673, EPI_ISL_1358674, EPI_ISL_1358675, EPI_ISL_1358676, EPI_ISL_1358677, EPI_ISL_1358679, EPI_ISL_1358681, EPI_ISL_1358683, EPI_ISL_1358684, EPI_ISL_1358685, EPI_ISL_1358686, EPI_ISL_1358687, EPI_ISL_1358688, EPI_ISL_1358689, EPI_ISL_1358690, EPI_ISL_1358691, EPI_ISL_1358692, EPI_ISL_1358693, EPI_ISL_1358694, EPI_ISL_1358695, EPI_ISL_1358696, EPI_ISL_1358697, EPI_ISL_1358698, EPI_ISL_1358699, EPI_ISL_1358700, EPI_ISL_1358701, EPI_ISL_1358702, EPI_ISL_1358703, EPI_ISL_1358704, EPI_ISL_1358705, EPI_ISL_1358706, EPI_ISL_1358707, EPI_ISL_1358708, EPI_ISL_1358709, EPI_ISL_1358710, EPI_ISL_1358711, EPI_ISL_1358712, EPI_ISL_1358713, EPI_ISL_1358714, EPI_ISL_1358716, EPI_ISL_1358717, EPI_ISL_1358718, EPI_ISL_1358719, EPI_ISL_1358720, EPI_ISL_1358721, EPI_ISL_1358722, EPI_ISL_1358723, EPI_ISL_1358724, EPI_ISL_1358725, EPI_ISL_1358726, EPI_ISL_1358727, EPI_ISL_1358729, EPI_ISL_1358730, EPI_ISL_1358732, EPI_ISL_1358733, EPI_ISL_1358734, EPI_ISL_1358735, EPI_ISL_1358736, EPI_ISL_1358738, EPI_ISL_1358739, EPI_ISL_1358741, EPI_ISL_1358742, EPI_ISL_1358743, EPI_ISL_1358744, EPI_ISL_1358745, EPI_ISL_1358746, EPI_ISL_1358747, EPI_ISL_1358748, EPI_ISL_1358749, EPI_ISL_1358750, EPI_ISL_1358751, EPI_ISL_1358752, EPI_ISL_1358753, EPI_ISL_1358754, EPI_ISL_1358755, EPI_ISL_1358756, EPI_ISL_1358757, EPI_ISL_1358758, EPI_ISL_1358759, EPI_ISL_1358760, EPI_ISL_1358761, EPI_ISL_1358762, EPI_ISL_1358764, EPI_ISL_1358765, EPI_ISL_1358766, EPI_ISL_1358767, EPI_ISL_1358768, EPI_ISL_1358769			
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 Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayschool, Gideon Rechavi, Ella Mendelson, Oma Mor
EPI_ISL_1363878, EPI_ISL_1363880, EPI_ISL_1363906, EPI_ISL_1363930, EPI_ISL_1363931, EPI_ISL_1363932, EPI_ISL_1363962, EPI_ISL_1363963, EPI_ISL_1363964, EPI_ISL_1363965, EPI_ISL_1363966, EPI_ISL_1363967, EPI_ISL_1363968, EPI_ISL_1363969, EPI_ISL_1363970, EPI_ISL_1363971, EPI_ISL_1363972, EPI_ISL_1363973, EPI_ISL_1363974, EPI_ISL_1364000, EPI_ISL_1364003, EPI_ISL_1364006, EPI_ISL_1364007, EPI_ISL_1364008, EPI_ISL_1364009, EPI_ISL_1364010, EPI_ISL_1364012, EPI_ISL_1364017, EPI_ISL_1364018, EPI_ISL_1364019, EPI_ISL_1364020, EPI_ISL_1364021, EPI_ISL_1364022, EPI_ISL_1364023, EPI_ISL_1364024, EPI_ISL_1364025, EPI_ISL_1364026, EPI_ISL_1364142, EPI_ISL_1364199, EPI_ISL_1364200, EPI_ISL_1364205, EPI_ISL_1364214, EPI_ISL_1364298, EPI_ISL_1364299, EPI_ISL_1364407, EPI_ISL_1364408, EPI_ISL_1364415, EPI_ISL_1364416, EPI_ISL_1364417, EPI_ISL_1364422, EPI_ISL_1364424, EPI_ISL_1364425			
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_1365024, EPI_ISL_1365031	Molecular diagnostic unit for viral haemorrhagic fevers and emerging viruses, Bouaké CHU Laboratory	Molecular diagnostic unit for viral haemorrhagic fevers and emerging viruses, Bouaké CHU Laboratory	Chantal Akoua-Koffi, Diané Bamourou, Etilé A Noah, Oby Wayoro, Safiatou Karidioula, Adjaratou Taoré, Soundélé Maité, Monemo Pacome, Coulibaly Mbegnang, Bamba Fatoumata Touré, Kra Ouffoué, Grit Schubert, Essia Belarbi, Fabian Leendertz
EPI_ISL_1369178, EPI_ISL_1369336	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_1373063	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1382845, EPI_ISL_1382846, EPI_ISL_1382847, EPI_ISL_1382848, EPI_ISL_1382849, EPI_ISL_1382850, EPI_ISL_1382851, EPI_ISL_1382852, EPI_ISL_1382853, EPI_ISL_1382854, EPI_ISL_1382855, EPI_ISL_1382856			
see above	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_1383406, EPI_ISL_1383408, EPI_ISL_1383413, EPI_ISL_1383414	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_1384053	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_1384558, EPI_ISL_1384614	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_1387232, EPI_ISL_1387233, EPI_ISL_1387234	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_1388464, EPI_ISL_1388466	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 Battagay, Hans Hirsch, Adrian Egli
EPI_ISL_1391279, EPI_ISL_1391288, EPI_ISL_1391290, EPI_ISL_1391296, EPI_ISL_1391298, EPI_ISL_1391300, EPI_ISL_1391304, EPI_ISL_1391306, EPI_ISL_1391310, EPI_ISL_1391315, EPI_ISL_1391321, EPI_ISL_1391325, EPI_ISL_1391330, EPI_ISL_1391349, EPI_ISL_1391351, EPI_ISL_1391357, EPI_ISL_1391359, EPI_ISL_1391360, EPI_ISL_1391361, EPI_ISL_1391368			
see above	Motol University Hospital	Institute of Applied Biotechnologies a.s.	Petr Klempt, Ondej Brzo, Martin Kašný, Kateina Kvapilová, Pavel Devínek, Petr Kvapil
EPI_ISL_1394628	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_1400806	Maryland Genomics, Institute for Genome Sciences, University of Maryland School of Medicine	Maryland Genomics, Institute for Genome Sciences, University of Maryland School of Medicine	Tallon, Luke J; Sadzewicz, Lisa D; Humphrys, Mike; Ott, Sandra; Roussey, Holly; Mehta, Aditya; Vavikolanu, Kranthi; Fraser, Claire M; Ravel, Jacques
EPI_ISL_1407033	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 Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noémie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1417506, EPI_ISL_1417598, EPI_ISL_1417616, EPI_ISL_1417861, EPI_ISL_1417862, EPI_ISL_1417863, EPI_ISL_1417864, EPI_ISL_1417865, EPI_ISL_1417866, EPI_ISL_1418067, EPI_ISL_1418618, EPI_ISL_1419993, EPI_ISL_1419996			
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_1425244, EPI_ISL_1425245	Department of Infectious Diseases, Kobe Institute of Health	Department of Infectious Diseases, Kobe Institute of Health	Ryohei Nomoto, Noriko Nakanishi, Tomotada Iwamoto, Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Makoto Kuroda
EPI_ISL_1427579	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_1430585	Osaka Institute of Public Health, Morinomiya Center	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Yoshihiro Kaku, Yasutaka Hoshino, Chikako Shimokawa, Eunsil Park, Tsuguto Fujimoto, Makoto Kuroda
EPI_ISL_1443440	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1446985	ND Dept. of Health Laboratory Services-Microbiology	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhvani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer

EPI_ISL_1447054	FL Bureau of Public Health Laboratories-Miami	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee	
EPI_ISL_1457022, EPI_ISL_1457525	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhvani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee	
EPI_ISL_949849, EPI_ISL_949850, EPI_ISL_949852, EPI_ISL_949853, EPI_ISL_949854, EPI_ISL_949856, EPI_ISL_949857, EPI_ISL_949858, EPI_ISL_949859, EPI_ISL_949860, EPI_ISL_949861, EPI_ISL_949862, EPI_ISL_949863, EPI_ISL_949864, EPI_ISL_949867, EPI_ISL_949868, EPI_ISL_949870, EPI_ISL_949872, EPI_ISL_949873, EPI_ISL_949874, EPI_ISL_949876, EPI_ISL_949877, EPI_ISL_949878, EPI_ISL_949881, EPI_ISL_949882, EPI_ISL_949884, EPI_ISL_949885, EPI_ISL_949887, EPI_ISL_949888, EPI_ISL_949889, EPI_ISL_949890, EPI_ISL_949891, EPI_ISL_949892, EPI_ISL_949893, EPI_ISL_949894, EPI_ISL_949895, EPI_ISL_949896, EPI_ISL_949898, EPI_ISL_949901, EPI_ISL_949904, EPI_ISL_949964, EPI_ISL_949965, EPI_ISL_949967, EPI_ISL_949969, EPI_ISL_949971, EPI_ISL_949972, EPI_ISL_949974	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Lisa Wijsman, Kim Freniks, Rianne Jaarsma, Eunice Then, Jolienke Hardeman, Lynn Aarts, Sanne Bos, Melissa van Tuil, Robert Kohl, Linda van de Nes, Sjoerd Kulling, James Groot, Florian Zwagemaker, Dennis Schmitz, Annelies Kroneman, Karim Hajji, Chantal Reusken, on behalf of the national COVID-19 response team	
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_950689, EPI_ISL_950690, EPI_ISL_950691, EPI_ISL_950694, EPI_ISL_950695, EPI_ISL_950696, EPI_ISL_950717, EPI_ISL_950718, EPI_ISL_950719, EPI_ISL_950720, EPI_ISL_950721, EPI_ISL_950722	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_952965, EPI_ISL_952975, EPI_ISL_952977, EPI_ISL_952982, EPI_ISL_952984, EPI_ISL_952995, EPI_ISL_952998, EPI_ISL_952999, EPI_ISL_953016, EPI_ISL_953021	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, Carlad Evans	
EPI_ISL_953387, EPI_ISL_953389	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_953428, EPI_ISL_953433	Jessa	Jessa	Jessa_cmdLab	
EPI_ISL_955937	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano	
EPI_ISL_959604, EPI_ISL_959605, EPI_ISL_959606	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Broa Brejová, Viktória abanová, Kristína Boršová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Tomáš Vína, Jozef Nosek, Boris Klempa	
EPI_ISL_959608	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Boršová, 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_959609	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Boršová, 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_959610	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Boršová, Viktória abanová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Tomáš Vína, Jozef Nosek	
EPI_ISL_959611	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Boršová, 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_959612	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Boršová, 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_959613	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Boršová, 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_959614	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Boršová, 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_959615, EPI_ISL_959616	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Broa Brejová, Viktória abanová, Kristína Boršová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Tomáš Vína, Jozef Nosek, Boris Klempa	
EPI_ISL_959617	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Boršová, 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_959618	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Boršová, 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_961747	Dipartimento Prevenzione Avezzano-Servizio Igiene epidemiologia Sanità Pubblica	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Scialabba S, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G	
EPI_ISL_964837	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_977613, EPI_ISL_977614, EPI_ISL_977615, EPI_ISL_977620	SC (UCO) Igiene e Sanità Pubblica (funzione integrata con SC Microbiologia e Virologia) e Laboratory of Molecular Virology of the International Centre for Genetic Engineering and Biotechnology (ICGEB)	ARGO Laboratorio Genomica ed Epigenomica	Licastro D, Dal Monego S, Degasperi M, Marcello A, D'Agaro P, Pipan C	
EPI_ISL_979967	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_980280, EPI_ISL_980356, EPI_ISL_980416, EPI_ISL_980419, EPI_ISL_980433, EPI_ISL_980449, EPI_ISL_980512	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, 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_981375	Laboratory for Respiratory Viruses, Cantacuzino National Military-Medical Institute for Research and Development	Cantacuzino Institute Virology	Luiza Ustean, Nicoleta Paraschiv, Catalina Pascu, Mihaela Lazar	
EPI_ISL_981533, EPI_ISL_981534	Hôpital Avicenne	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_981550, EPI_ISL_981553, EPI_ISL_981607, EPI_ISL_981608, EPI_ISL_981609, EPI_ISL_981610, EPI_ISL_981643, EPI_ISL_981662, EPI_ISL_981685, EPI_ISL_981686, EPI_ISL_981687, EPI_ISL_981688, EPI_ISL_981689, EPI_ISL_981703	see above	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	
EPI_ISL_982128, EPI_ISL_982142,	CHU SUD AMIENS	Department of Virology, Henri Mondor University Hospital,	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel	

EPI_ISL_982143, EPI_ISL_982144, EPI_ISL_982146		Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Pawlotsky	
EPI_ISL_982147	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_982154	CHU SUD AMIENS	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_982158	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_982165	CHU SUD AMIENS	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_982862, EPI_ISL_982872, EPI_ISL_982887	MEPHI Aix Marseille University (AMU)	MEPHI Aix Marseille University (AMU)	Anthony LEVASSEUR	
EPI_ISL_983708, EPI_ISL_983722, EPI_ISL_983732	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_985040	Algemeen Medisch Laboratorium	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens	
EPI_ISL_985342, EPI_ISL_985347, EPI_ISL_985349, EPI_ISL_985350, EPI_ISL_985351, EPI_ISL_985352, EPI_ISL_985354, EPI_ISL_985355, EPI_ISL_985356, EPI_ISL_985357, EPI_ISL_985358, EPI_ISL_985359, EPI_ISL_985360, EPI_ISL_985361, EPI_ISL_985362, EPI_ISL_985363, EPI_ISL_985364, EPI_ISL_985365	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_985953, EPI_ISL_985957, EPI_ISL_985965, EPI_ISL_985967, EPI_ISL_985974, EPI_ISL_985983, EPI_ISL_985992, EPI_ISL_985996, EPI_ISL_985998, EPI_ISL_986000, EPI_ISL_986004, EPI_ISL_986009, EPI_ISL_986013, EPI_ISL_986017, EPI_ISL_986018, EPI_ISL_986020, EPI_ISL_986028, EPI_ISL_986031, EPI_ISL_986043, EPI_ISL_986053, EPI_ISL_986069, EPI_ISL_986070, EPI_ISL_986081, EPI_ISL_986084, EPI_ISL_986086, EPI_ISL_986097, EPI_ISL_986103, EPI_ISL_986122, EPI_ISL_986124, EPI_ISL_986127, EPI_ISL_986129, EPI_ISL_986135, EPI_ISL_986137, EPI_ISL_986146, EPI_ISL_986150, EPI_ISL_986151, EPI_ISL_986189, EPI_ISL_986194, EPI_ISL_986196, EPI_ISL_986198, EPI_ISL_986223, EPI_ISL_986232, EPI_ISL_986233, EPI_ISL_986235, EPI_ISL_986237, EPI_ISL_986240, EPI_ISL_986242, EPI_ISL_986246, EPI_ISL_986259, EPI_ISL_986264	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_986930, EPI_ISL_986949, EPI_ISL_987003, EPI_ISL_987031, EPI_ISL_987036, EPI_ISL_987108, EPI_ISL_987111, EPI_ISL_987145	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988580, EPI_ISL_988587, EPI_ISL_988606, EPI_ISL_988610, EPI_ISL_988666	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988686, EPI_ISL_988687, EPI_ISL_988688, EPI_ISL_988689, EPI_ISL_988691, EPI_ISL_988693, EPI_ISL_988694, EPI_ISL_988695, EPI_ISL_988696, EPI_ISL_988697, EPI_ISL_988699, EPI_ISL_988700, EPI_ISL_988703, EPI_ISL_988704, EPI_ISL_988706, EPI_ISL_988708, EPI_ISL_988711, EPI_ISL_988712, EPI_ISL_988713, EPI_ISL_988714, EPI_ISL_988716, EPI_ISL_988717, EPI_ISL_988718, EPI_ISL_988719, EPI_ISL_988721, EPI_ISL_988725, EPI_ISL_988726, EPI_ISL_988728, EPI_ISL_988729, EPI_ISL_988730, EPI_ISL_988731, EPI_ISL_988732, EPI_ISL_988733, EPI_ISL_988735, EPI_ISL_988736, EPI_ISL_988737, EPI_ISL_988738, EPI_ISL_988739, EPI_ISL_988740, EPI_ISL_988741, EPI_ISL_988743, EPI_ISL_988744, EPI_ISL_988746, EPI_ISL_988747, EPI_ISL_988750, EPI_ISL_988751, EPI_ISL_988752, EPI_ISL_988754, EPI_ISL_988755, EPI_ISL_988758, EPI_ISL_988759, EPI_ISL_988760, EPI_ISL_988762, EPI_ISL_988763, EPI_ISL_988765, EPI_ISL_988766, EPI_ISL_988767, EPI_ISL_988768, EPI_ISL_988771, EPI_ISL_988772, EPI_ISL_988773, EPI_ISL_988774, EPI_ISL_988777, EPI_ISL_988778, EPI_ISL_988779, EPI_ISL_988780, EPI_ISL_988781, EPI_ISL_988782, EPI_ISL_988783, EPI_ISL_988785, EPI_ISL_988786, EPI_ISL_988787, EPI_ISL_988788, EPI_ISL_988789, EPI_ISL_988790, EPI_ISL_988794, EPI_ISL_988795, EPI_ISL_988796, EPI_ISL_988799, EPI_ISL_988801, EPI_ISL_988802, EPI_ISL_988803, EPI_ISL_988805, EPI_ISL_988806, EPI_ISL_988807, EPI_ISL_988808, EPI_ISL_988810, EPI_ISL_988812, EPI_ISL_988813, EPI_ISL_988815, EPI_ISL_988816, EPI_ISL_988817, EPI_ISL_988818, EPI_ISL_988819, EPI_ISL_988820, EPI_ISL_988821, EPI_ISL_988822, EPI_ISL_988823, EPI_ISL_988824, EPI_ISL_988825, EPI_ISL_988826, EPI_ISL_988829, EPI_ISL_988830, EPI_ISL_988832, EPI_ISL_988835, EPI_ISL_988836, EPI_ISL_988837, EPI_ISL_988838, EPI_ISL_988839, EPI_ISL_988840, EPI_ISL_988842, EPI_ISL_988843, EPI_ISL_988844, EPI_ISL_988848, EPI_ISL_988849, EPI_ISL_988851, EPI_ISL_988852, EPI_ISL_988853, EPI_ISL_988854, EPI_ISL_988856, EPI_ISL_988857, EPI_ISL_988858, EPI_ISL_988859, EPI_ISL_988861, EPI_ISL_988862, EPI_ISL_988863, EPI_ISL_988864, EPI_ISL_988866, EPI_ISL_988867, EPI_ISL_988869, EPI_ISL_988871, EPI_ISL_988873, EPI_ISL_988874, EPI_ISL_988875, EPI_ISL_988879, EPI_ISL_988880, EPI_ISL_988882, EPI_ISL_988884, EPI_ISL_988885, EPI_ISL_988886, EPI_ISL_988887, EPI_ISL_988888, EPI_ISL_988890, EPI_ISL_988891, EPI_ISL_988892, EPI_ISL_988893, EPI_ISL_988894, EPI_ISL_988897, EPI_ISL_988898, EPI_ISL_988900, EPI_ISL_988901, EPI_ISL_988903, EPI_ISL_988904, EPI_ISL_988905, EPI_ISL_988906, EPI_ISL_988909, EPI_ISL_988910	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_988914, EPI_ISL_988916, EPI_ISL_988917, EPI_ISL_988918, EPI_ISL_988919, EPI_ISL_988920, EPI_ISL_988922, EPI_ISL_988923, EPI_ISL_988924, EPI_ISL_988925, EPI_ISL_988926	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_988930	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988932, EPI_ISL_988934, EPI_ISL_988935, EPI_ISL_988936	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988937	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988938, EPI_ISL_988939, EPI_ISL_988940, EPI_ISL_988941, EPI_ISL_988942, EPI_ISL_988944	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988945	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988946, EPI_ISL_988947, EPI_ISL_988948, EPI_ISL_988949, EPI_ISL_988950, EPI_ISL_988951, EPI_ISL_988952, EPI_ISL_988953, EPI_ISL_988954, EPI_ISL_988955, EPI_ISL_988957, EPI_ISL_988958, EPI_ISL_988960, EPI_ISL_988961, EPI_ISL_988962, EPI_ISL_988963, EPI_ISL_988967	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_988970	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )	
EPI_ISL_988972, EPI_ISL_988973, EPI_ISL_988975, EPI_ISL_988976, EPI_ISL_988977, EPI_ISL_988978, EPI_ISL_988979, EPI_ISL_988980, EPI_ISL_988981, EPI_ISL_988983, EPI_ISL_988984	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )

EPI_ISL_988988	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_988989, EPI_ISL_988990, EPI_ISL_988991, EPI_ISL_988992, EPI_ISL_988996, EPI_ISL_988997, EPI_ISL_988998, EPI_ISL_988999, EPI_ISL_989000	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_989002	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_989003, EPI_ISL_989006, EPI_ISL_989007	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_989009	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_989010	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_989011	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_989012, EPI_ISL_989013, EPI_ISL_989014, EPI_ISL_989015, EPI_ISL_989016, EPI_ISL_989018, EPI_ISL_989020	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_989022	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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_989023, EPI_ISL_989024, EPI_ISL_989025, EPI_ISL_989028	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_994875, EPI_ISL_994882, EPI_ISL_994889, EPI_ISL_994897, EPI_ISL_994902	Pandemic Response Lab - NYC	Pandemic Response Lab, R&D	Henry Lee, Michael Hammerling, Melissa Hopkins, Cybil del Castillo, William Ward, Pradeep Bugga, Haiping Hao, Jon Laurent
EPI_ISL_995605, EPI_ISL_995607, EPI_ISL_995608, EPI_ISL_995609, EPI_ISL_995610	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_996416, EPI_ISL_996418, EPI_ISL_996420, EPI_ISL_996478, EPI_ISL_996479	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_996656, EPI_ISL_996664, EPI_ISL_996743, EPI_ISL_996744, EPI_ISL_996749, EPI_ISL_996751, EPI_ISL_996753, EPI_ISL_996754, EPI_ISL_996756, EPI_ISL_996758, EPI_ISL_996759			
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_997066, EPI_ISL_997070	West of Scotland Specialist Virology Centre, NHSGCC / 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_997451, EPI_ISL_997455, EPI_ISL_997459, EPI_ISL_997460, EPI_ISL_997503, EPI_ISL_997507, EPI_ISL_997509, EPI_ISL_997513, EPI_ISL_997521, EPI_ISL_997540, EPI_ISL_997543, EPI_ISL_997551, EPI_ISL_997552, EPI_ISL_997553, EPI_ISL_997556, EPI_ISL_997560, EPI_ISL_997563			
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_997737, EPI_ISL_997835, EPI_ISL_997838, EPI_ISL_997843, EPI_ISL_997844, EPI_ISL_997944, EPI_ISL_997946, EPI_ISL_997947, EPI_ISL_997948, EPI_ISL_997953, EPI_ISL_997955, EPI_ISL_997956			
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_998236	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_998507, EPI_ISL_998508, EPI_ISL_998509, EPI_ISL_998510, EPI_ISL_998518, EPI_ISL_998519, EPI_ISL_998524, EPI_ISL_998581, EPI_ISL_998582, EPI_ISL_998583, EPI_ISL_998584, EPI_ISL_998585, EPI_ISL_998586			
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_998775, EPI_ISL_998779, EPI_ISL_998783, EPI_ISL_998787, EPI_ISL_998790, EPI_ISL_998792, EPI_ISL_998794, EPI_ISL_998796, EPI_ISL_998797, EPI_ISL_998809, EPI_ISL_998810, EPI_ISL_998811, EPI_ISL_998813, EPI_ISL_998814, EPI_ISL_998815, EPI_ISL_998818, EPI_ISL_998850, EPI_ISL_998852, EPI_ISL_998856, EPI_ISL_998876			
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 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_998891, EPI_ISL_998893, EPI_ISL_998894, EPI_ISL_998895	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_999764, EPI_ISL_999765, EPI_ISL_999770, EPI_ISL_999781, EPI_ISL_999900, EPI_ISL_999905, EPI_ISL_999906, EPI_ISL_999907, EPI_ISL_999908, EPI_ISL_999910, EPI_ISL_999911, EPI_ISL_999916, EPI_ISL_999917, EPI_ISL_999931, EPI_ISL_999935, EPI_ISL_999936, EPI_ISL_999938, EPI_ISL_999943			
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 Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor

EPI\_ISL\_999945, EPI\_ISL\_999948, EPI\_ISL\_999949, EPI\_ISL\_999957, EPI\_ISL\_999958, EPI\_ISL\_999959, EPI\_ISL\_999961, EPI\_ISL\_999988, EPI\_ISL\_999989, EPI\_ISL\_999990, EPI\_ISL\_999991, EPI\_ISL\_999993, EPI\_ISL\_999994, EPI\_ISL\_999995, EPI\_ISL\_999999

see above

Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit

Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre

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