

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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Accession ID	Originating Laboratory	Submitting Laboratory	Authors
EPI_ISL_1000204, EPI_ISL_1000205, EPI_ISL_1000207, EPI_ISL_1000212, EPI_ISL_1000215, EPI_ISL_1000216, EPI_ISL_1000217, EPI_ISL_1000222, EPI_ISL_1000223, EPI_ISL_1000224, EPI_ISL_1000226, EPI_ISL_1000228, EPI_ISL_1000229, EPI_ISL_1000230, EPI_ISL_1000416			
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EPI_ISL_1005831, EPI_ISL_1005836, EPI_ISL_1005838, EPI_ISL_1005841	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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EPI_ISL_1012470, EPI_ISL_1012475	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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EPI_ISL_1012521, EPI_ISL_1012531, EPI_ISL_1012541, EPI_ISL_1012622, EPI_ISL_1012626, EPI_ISL_1012639, EPI_ISL_1012642, EPI_ISL_1012644, EPI_ISL_1012646, EPI_ISL_1012651, EPI_ISL_1012662			
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EPI_ISL_1015609, EPI_ISL_1015610	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
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EPI_ISL_1018008	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1018024	DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1018050, EPI_ISL_1018054	University Hospitals Translational Laboratory (UHTL), University Hospitals	University Hospitals Translational Laboratory (UHTL), University Hospitals	Sadri,N., Alouani,D. and Song,X.
EPI_ISL_1018350, EPI_ISL_1018361, EPI_ISL_1018466, EPI_ISL_1018473, EPI_ISL_1018515, EPI_ISL_1018534, EPI_ISL_1018618, EPI_ISL_1018637, EPI_ISL_1018659, EPI_ISL_1018684	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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, 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_1019358, EPI_ISL_1019369, EPI_ISL_1019374, EPI_ISL_1019381, EPI_ISL_1019397, EPI_ISL_1019404	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1019409, EPI_ISL_1019410, EPI_ISL_1019411, EPI_ISL_1019412, EPI_ISL_1019413, EPI_ISL_1019415, EPI_ISL_1019416, EPI_ISL_1019418, EPI_ISL_1019419, EPI_ISL_1019420, EPI_ISL_1019421, EPI_ISL_1019422, EPI_ISL_1019423, EPI_ISL_1019424, EPI_ISL_1019425, EPI_ISL_1019426, EPI_ISL_1019427, EPI_ISL_1019428, EPI_ISL_1019429, EPI_ISL_1019430, EPI_ISL_1019431, EPI_ISL_1019432, EPI_ISL_1019433, EPI_ISL_1019434, EPI_ISL_1019436, EPI_ISL_1019437, EPI_ISL_1019438, EPI_ISL_1019439, EPI_ISL_1019440, EPI_ISL_1019442, EPI_ISL_1019443, EPI_ISL_1019444, EPI_ISL_1019447, EPI_ISL_1019448, EPI_ISL_1019449, EPI_ISL_1019450, EPI_ISL_1019451, EPI_ISL_1019452, EPI_ISL_1019453, EPI_ISL_1019454, EPI_ISL_1019455, EPI_ISL_1019456, EPI_ISL_1019457, EPI_ISL_1019458, EPI_ISL_1019459, EPI_ISL_1019460, EPI_ISL_1019461, EPI_ISL_1019462, EPI_ISL_1019463, EPI_ISL_1019464, EPI_ISL_1019465, EPI_ISL_1019466, EPI_ISL_1019467, EPI_ISL_1019468, EPI_ISL_1019469, EPI_ISL_1019470, EPI_ISL_1019471, EPI_ISL_1019472, EPI_ISL_1019473, EPI_ISL_1019474, EPI_ISL_1019475, EPI_ISL_1019476, EPI_ISL_1019477, EPI_ISL_1019478, EPI_ISL_1019479, EPI_ISL_1019480			
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, 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
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see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, 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_1019504, EPI_ISL_1019505, EPI_ISL_1019506	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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see above	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak 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_1020127, EPI_ISL_1020129, EPI_ISL_1020130, EPI_ISL_1020136,	AZ Klina	AZ Klina	Dr. C. Vael

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EPI_ISL_1034806, EPI_ISL_1034807, EPI_ISL_1034808	Institute of Medical Microbiology and Hospital Hygiene	Institute of Medical Microbiology and Hospital Hygiene	Prof. Dr. Achim Kaasch, Aljoscha Tersteegen
EPI_ISL_1034949, EPI_ISL_1034950, EPI_ISL_1034996, EPI_ISL_1035002, EPI_ISL_1035003, EPI_ISL_1035004, EPI_ISL_1035007, EPI_ISL_1035008, EPI_ISL_1035009, EPI_ISL_1035047, EPI_ISL_1035050, EPI_ISL_1035055, EPI_ISL_1035079, EPI_ISL_1035080, EPI_ISL_1035081, EPI_ISL_1035082, EPI_ISL_1035143, EPI_ISL_1035145, EPI_ISL_1035163, EPI_ISL_1035164, EPI_ISL_1035165, EPI_ISL_1035196			
see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Florian Zwagemaker, Dennis Schmitz, Chantal Reusken, on behalf of the national COVID-19 response team
EPI_ISL_1035904, EPI_ISL_1035905, EPI_ISL_1035906, EPI_ISL_1035907, EPI_ISL_1035908, EPI_ISL_1035909, EPI_ISL_1035910, EPI_ISL_1035911, EPI_ISL_1035912, EPI_ISL_1035913, EPI_ISL_1035914, EPI_ISL_1035915, EPI_ISL_1035916, EPI_ISL_1035924, EPI_ISL_1035927			
see above	Hopital CH de Troyes	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,Stoessel-Thouvenin Patricia
EPI_ISL_1036140	SIESP TERAMO	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_1036143	OSP SAN SALVATORE MED INT	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_1036144, EPI_ISL_1036145	SIESP SULM	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_1036149	OSP SAN SALVATORE MED INT	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_1036156	SIESP DIP PREV CHIETI	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_1036158	OSP SAN SALVATORE MED INT	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_1036175, EPI_ISL_1036176	SIESP CH	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_1036177	SIESP DIP PREV CHIETI	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_1036184	SIESP SULM	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_1036185	SIESP DIP PREV CHIETI	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_1036186	OSP SAN SALVATORE MED INT	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_1036205	PRES TERR CASOLI	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_1036289	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Matthew Schwartz, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_1036407	Hopital HIA PERCY	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,Foissaud Vincent
EPI_ISL_1039218, EPI_ISL_1039242, EPI_ISL_1039243	Algemeen Medisch Laboratorium (AML)	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeussen, Herman Goossens
EPI_ISL_1040145	Furst Medical Laboratory	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_1040182, EPI_ISL_1040183, EPI_ISL_1040185, EPI_ISL_1040193, EPI_ISL_1040197, EPI_ISL_1040200, EPI_ISL_1040211, EPI_ISL_1040212, EPI_ISL_1040213, EPI_ISL_1040214, EPI_ISL_1040215, EPI_ISL_1040216, EPI_ISL_1040217, EPI_ISL_1040218, EPI_ISL_1040220, EPI_ISL_1040221, EPI_ISL_1040222, EPI_ISL_1040223, EPI_ISL_1040224, EPI_ISL_1040225, EPI_ISL_1040226, EPI_ISL_1040227, EPI_ISL_1040228, EPI_ISL_1040229, EPI_ISL_1040230, EPI_ISL_1040231, EPI_ISL_1040232, EPI_ISL_1040233, EPI_ISL_1040242, EPI_ISL_1040243, EPI_ISL_1040244, EPI_ISL_1040245, EPI_ISL_1040254, EPI_ISL_1040273, EPI_ISL_1040275, EPI_ISL_1040276, EPI_ISL_1040279, EPI_ISL_1040293, EPI_ISL_1040294, EPI_ISL_1040299, EPI_ISL_1040301, EPI_ISL_1040310, EPI_ISL_1040311, EPI_ISL_1040312, EPI_ISL_1040313, EPI_ISL_1040314, EPI_ISL_1040315, EPI_ISL_1040316, EPI_ISL_1040318, EPI_ISL_1040319, EPI_ISL_1040323, EPI_ISL_1040348, EPI_ISL_1040349, EPI_ISL_1040361			
see above	University Hospitals of Geneva, Laboratory of Virology	HUG, Laboratory of Virology and the Health2030 Genome Center	Samuel Cordey, Ana Rita Goncalves, Laurent Kaiser, Lorenzo Cerutti, Henri Peugeot, Melyssa Elies, Deborah Penet, Keith Harshman, Ioannis Xenarios, Emmanouil Dermatzakis
EPI_ISL_1041235, EPI_ISL_1041272, EPI_ISL_1041281, EPI_ISL_1041350, EPI_ISL_1041365	Pandemic Response Lab - NYC	Pandemic Response Lab, R&D	Henry Lee, Michael Hammerling, Melissa Hopkins, Cybill del Castillo, William Ward, Pradeep Bugga, Haiping Hao, Jon Laurent
EPI_ISL_1042322	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1042568, EPI_ISL_1042569, EPI_ISL_1042573, EPI_ISL_1042577, EPI_ISL_1042578, EPI_ISL_1042579, EPI_ISL_1042582, EPI_ISL_1042590, EPI_ISL_1042593, EPI_ISL_1042602, EPI_ISL_1042608, EPI_ISL_1042622, EPI_ISL_1042628, EPI_ISL_1042629, EPI_ISL_1042635, EPI_ISL_1042636, EPI_ISL_1042639, EPI_ISL_1042641, EPI_ISL_1042646, EPI_ISL_1042651, EPI_ISL_1042653, EPI_ISL_1042655, EPI_ISL_1042656, EPI_ISL_1042657, EPI_ISL_1042660, EPI_ISL_1042662, EPI_ISL_1042664, EPI_ISL_1042665, EPI_ISL_1042668, EPI_ISL_1042670, EPI_ISL_1042671, EPI_ISL_1042672, EPI_ISL_1042673, EPI_ISL_1042675, EPI_ISL_1042676, EPI_ISL_1042677, EPI_ISL_1042678, EPI_ISL_1042679, EPI_ISL_1042775, EPI_ISL_1042776, EPI_ISL_1042778, EPI_ISL_1042779, EPI_ISL_1042785, EPI_ISL_1042798, EPI_ISL_1042805, EPI_ISL_1042806, EPI_ISL_1042808, EPI_ISL_1042811, EPI_ISL_1042814, EPI_ISL_1042822, EPI_ISL_1042827, EPI_ISL_1042829, EPI_ISL_1042831, EPI_ISL_1043165, EPI_ISL_1043168, EPI_ISL_1043170, EPI_ISL_1043171, EPI_ISL_1043172, EPI_ISL_1043174, EPI_ISL_1043175, EPI_ISL_1043176, EPI_ISL_1043183, EPI_ISL_1043184, EPI_ISL_1043186, EPI_ISL_1043189, EPI_ISL_1043190, EPI_ISL_1043194, EPI_ISL_1043196, EPI_ISL_1043197, EPI_ISL_1043201, EPI_ISL_1043203, EPI_ISL_1043206, EPI_ISL_1043208, EPI_ISL_1043209, EPI_ISL_1043213, EPI_ISL_1043214, EPI_ISL_1043215, EPI_ISL_1043218, EPI_ISL_1043219, EPI_ISL_1043221, EPI_ISL_1043223, EPI_ISL_1043229, EPI_ISL_1043230, EPI_ISL_1043232, EPI_ISL_1043233, EPI_ISL_1043238, EPI_ISL_1043240, EPI_ISL_1043241, EPI_ISL_1043243, EPI_ISL_1043247, EPI_ISL_1043248, EPI_ISL_1043252, EPI_ISL_1043253, EPI_ISL_1043254, EPI_ISL_1043259, EPI_ISL_1043261, EPI_ISL_1043262, EPI_ISL_1043265, EPI_ISL_1043272, EPI_ISL_1043276, EPI_ISL_1043279, EPI_ISL_1043283, EPI_ISL_1043284, EPI_ISL_1043287, EPI_ISL_1043292, EPI_ISL_1043293, EPI_ISL_1043296, EPI_ISL_1043297, EPI_ISL_1043302, EPI_ISL_1043304, EPI_ISL_1043306, EPI_ISL_1043309, EPI_ISL_1043311, EPI_ISL_1043312, EPI_ISL_1043313, EPI_ISL_1043318, EPI_ISL_1043324, EPI_ISL_1043325, EPI_ISL_1043328, EPI_ISL_1043332, EPI_ISL_1043333, EPI_ISL_1043335, EPI_ISL_1043336, EPI_ISL_1043339, EPI_ISL_1043526, EPI_ISL_1043527			
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, 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_1043724	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1045202, EPI_ISL_1045205, EPI_ISL_1045206, EPI_ISL_1045208, EPI_ISL_1045211, EPI_ISL_1045223, EPI_ISL_1045224, EPI_ISL_1045228, EPI_ISL_1045230, EPI_ISL_1045234, EPI_ISL_1045238, EPI_ISL_1045239, EPI_ISL_1045241, EPI_ISL_1045249, EPI_ISL_1045250, EPI_ISL_1045257, EPI_ISL_1045266, EPI_ISL_1045271, EPI_ISL_1045273, EPI_ISL_1045275, EPI_ISL_1045279, EPI_ISL_1045281, EPI_ISL_1045283, EPI_ISL_1045291, EPI_ISL_1045292, EPI_ISL_1045294, EPI_ISL_1045297, EPI_ISL_1045301, EPI_ISL_1045304, EPI_ISL_1045311, EPI_ISL_1045312, EPI_ISL_1045313, EPI_ISL_1045321, EPI_ISL_1045323, EPI_ISL_1045324, EPI_ISL_1045325, EPI_ISL_1045326, EPI_ISL_1045327, EPI_ISL_1045341, EPI_ISL_1045352, EPI_ISL_1045357, EPI_ISL_1045360, EPI_ISL_1045368, EPI_ISL_1045369, EPI_ISL_1045373, EPI_ISL_1045375, EPI_ISL_1045387, EPI_ISL_1045392, EPI_ISL_1045395, EPI_ISL_1045411, EPI_ISL_1045416, EPI_ISL_1045417, EPI_ISL_1045419, EPI_ISL_1045423, EPI_ISL_1045424, EPI_ISL_1045427, EPI_ISL_1045428, EPI_ISL_1045430, EPI_ISL_1045432, EPI_ISL_1045433, EPI_ISL_1045434, EPI_ISL_1045436, EPI_ISL_1045438, EPI_ISL_1045440, EPI_ISL_1045441, EPI_ISL_1045448, EPI_ISL_1045449, EPI_ISL_1045450, EPI_ISL_1045454, EPI_ISL_1045461, EPI_ISL_1045463, EPI_ISL_1045472, EPI_ISL_1045474, EPI_ISL_1045475, EPI_ISL_1045476, EPI_ISL_1045477, EPI_ISL_1045479, EPI_ISL_1045480, EPI_ISL_1045484, EPI_ISL_1045486, EPI_ISL_1045487, EPI_ISL_1045488, EPI_ISL_1045489, EPI_ISL_1045490, EPI_ISL_1045494, EPI_ISL_1045497, EPI_ISL_1045500, EPI_ISL_1045502, EPI_ISL_1045503, EPI_ISL_1045505, EPI_ISL_1045508, EPI_ISL_1045511, EPI_ISL_1045514, EPI_ISL_1045515, EPI_ISL_1045516, EPI_ISL_1045517, EPI_ISL_1045519, EPI_ISL_1045521, EPI_ISL_1045522, EPI_ISL_1045523, EPI_ISL_1045524, EPI_ISL_1045525, EPI_ISL_1045526, EPI_ISL_1045530, EPI_ISL_1045531, EPI_ISL_1045532, EPI_ISL_1045534, EPI_ISL_1045537, EPI_ISL_1045538, EPI_ISL_1045540, EPI_ISL_1045541, EPI_ISL_1045542, EPI_ISL_1045543, EPI_ISL_1045548, EPI_ISL_1045549, EPI_ISL_1045551, EPI_ISL_1045552, EPI_ISL_1045553, EPI_ISL_1045559, EPI_ISL_1045560, EPI_ISL_1045562, EPI_ISL_1045563, EPI_ISL_1045564, EPI_ISL_1045565, EPI_ISL_1045566, EPI_ISL_1045567, EPI_ISL_1045568, EPI_ISL_1045569, EPI_ISL_1045570, EPI_ISL_1045571, EPI_ISL_1045572, EPI_ISL_1045573, EPI_ISL_1045576, EPI_ISL_1045579, EPI_ISL_1045580, EPI_ISL_1045581, EPI_ISL_1045582,			

EPI_ISL_1045583, EPI_ISL_1045584, EPI_ISL_1045585, EPI_ISL_1045588, EPI_ISL_1045590, EPI_ISL_1045591, EPI_ISL_1045592, EPI_ISL_1045593, EPI_ISL_1045594, EPI_ISL_1045598, EPI_ISL_1045600, EPI_ISL_1045601, EPI_ISL_1045604, EPI_ISL_1045606, EPI_ISL_1045608, EPI_ISL_1045609, EPI_ISL_1045610, EPI_ISL_1045611, EPI_ISL_1045614, EPI_ISL_1045615, EPI_ISL_1045620, EPI_ISL_1045622, EPI_ISL_1045624, EPI_ISL_1045625, EPI_ISL_1045627, EPI_ISL_1045628, EPI_ISL_1045629, EPI_ISL_1045630, EPI_ISL_1045634, EPI_ISL_1045635, EPI_ISL_1045636, EPI_ISL_1045637, EPI_ISL_1045639, EPI_ISL_1045641, EPI_ISL_1045644, EPI_ISL_1045646, EPI_ISL_1045647, EPI_ISL_1045648, EPI_ISL_1045649, EPI_ISL_1045650, EPI_ISL_1045651, EPI_ISL_1045652, EPI_ISL_1045653, EPI_ISL_1045654, EPI_ISL_1045657, EPI_ISL_1045658, EPI_ISL_1045660, EPI_ISL_1045661, EPI_ISL_1045663, EPI_ISL_1045665, EPI_ISL_1045666, EPI_ISL_1045669, EPI_ISL_1045670, EPI_ISL_1045674, EPI_ISL_1045675, EPI_ISL_1045676, EPI_ISL_1045677, EPI_ISL_1045678, EPI_ISL_1045679, EPI_ISL_1045680, EPI_ISL_1045681, EPI_ISL_1045705, EPI_ISL_1045707, EPI_ISL_1045711, EPI_ISL_1045713, EPI_ISL_1045714, EPI_ISL_1045718, EPI_ISL_1045731, EPI_ISL_1045734, EPI_ISL_1045738, EPI_ISL_1045740, EPI_ISL_1045743, EPI_ISL_1045745, EPI_ISL_1045748, EPI_ISL_1045750, EPI_ISL_1045753, EPI_ISL_1045756, EPI_ISL_1045763, EPI_ISL_1045767, EPI_ISL_1045775, EPI_ISL_1045779, EPI_ISL_1045781, EPI_ISL_1045782, EPI_ISL_1045783, EPI_ISL_1045786, EPI_ISL_1045788, EPI_ISL_1045791, EPI_ISL_1045794, EPI_ISL_1045796, EPI_ISL_1045799, EPI_ISL_1045800, EPI_ISL_1045801, EPI_ISL_1045803, EPI_ISL_1045805, EPI_ISL_1045810, EPI_ISL_1045825, EPI_ISL_1045826, EPI_ISL_1045827, EPI_ISL_1045829, EPI_ISL_1045836, EPI_ISL_1045838, EPI_ISL_1045841, EPI_ISL_1045855, EPI_ISL_1045857, EPI_ISL_1045862, EPI_ISL_1045865, EPI_ISL_1045866, EPI_ISL_1045869, EPI_ISL_1045873, EPI_ISL_1045874, EPI_ISL_1045879, EPI_ISL_1045883, EPI_ISL_1045885, EPI_ISL_1045886, EPI_ISL_1045889, EPI_ISL_1045895, EPI_ISL_1045900, EPI_ISL_1045902, EPI_ISL_1045911, EPI_ISL_1045913, EPI_ISL_1045921, EPI_ISL_1045923, EPI_ISL_1045925, EPI_ISL_1045934, EPI_ISL_1045936, EPI_ISL_1045938, EPI_ISL_1045940, EPI_ISL_1045942, EPI_ISL_1045944, EPI_ISL_1045952, EPI_ISL_1045954, EPI_ISL_1045957, EPI_ISL_1045959, EPI_ISL_1045960, EPI_ISL_1045961	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, 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_1045965		Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1045968, EPI_ISL_1045969		Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1045972, EPI_ISL_1045979		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1046569		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_1047017, EPI_ISL_1047018, EPI_ISL_1047020		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_1047845		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_1047884, EPI_ISL_1047885, EPI_ISL_1047886, EPI_ISL_1047887, EPI_ISL_1047888, EPI_ISL_1047889, EPI_ISL_1047890, EPI_ISL_1047891, EPI_ISL_1047894, EPI_ISL_1047895, EPI_ISL_1047896, EPI_ISL_1047897	see above	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_1047975, EPI_ISL_1047976, EPI_ISL_1047977, EPI_ISL_1047979, EPI_ISL_1047980, EPI_ISL_1047981, EPI_ISL_1047982, EPI_ISL_1047983, EPI_ISL_1047985, EPI_ISL_1047986, EPI_ISL_1047987, EPI_ISL_1047990, EPI_ISL_1047994, EPI_ISL_1047999, EPI_ISL_1048001, EPI_ISL_1048003, EPI_ISL_1048004, EPI_ISL_1048007, EPI_ISL_1048011, EPI_ISL_1048014, EPI_ISL_1048015	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_1048087, EPI_ISL_1048130, EPI_ISL_1048133		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_1049206		PA Department of Health, Bureau of Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Brian Lynch, Krista Queen, Anna Uehara, Peter Cook, Han Jia Ng, Clinton R. Paden, Halbin Wang, Suxiang Tong
EPI_ISL_1049659		Washington State Department of Health	Seattle Flu Study	Deborah A. Nickerson, Chris D. Frazar, Jover Lee, Benjamin Pelle, Erica Ryke, Matthew Richardson, Amanda Adler, Elisabeth Brandstetter, Peter D. Han, Kairsten Fay, Misja Ilcisin, Kirsten Lacombe, Thomas R. Sibley, Melissa Truong, Caitlin R. Wolf, Romesh Gautom, Geoff Melly, Brian Hiatt, Philip Dykema, Scott Lindquist, Michael Boeckh, Janet A. Englund, Michael Famulare, Barry R. Lutz, Mark J. Rieder, Lea M. Starita, Matthew Thompson, Helen Y. Chu, Jay Shendure, Trevor Bedford
EPI_ISL_1050075, EPI_ISL_1050076, EPI_ISL_1050077, EPI_ISL_1050078, EPI_ISL_1050079, EPI_ISL_1050080, EPI_ISL_1050081, EPI_ISL_1050082, EPI_ISL_1050083, EPI_ISL_1050084, EPI_ISL_1050085, EPI_ISL_1050086, EPI_ISL_1050087, EPI_ISL_1050088, EPI_ISL_1050089, EPI_ISL_1050090, EPI_ISL_1050091, EPI_ISL_1050092, EPI_ISL_1050093, EPI_ISL_1050094, EPI_ISL_1050096, EPI_ISL_1050097, EPI_ISL_1050098, EPI_ISL_1050099, EPI_ISL_1050100, EPI_ISL_1050101, EPI_ISL_1050102, EPI_ISL_1050103, EPI_ISL_1050104, EPI_ISL_1050105, EPI_ISL_1050106, EPI_ISL_1050107, EPI_ISL_1050108, EPI_ISL_1050109, EPI_ISL_1050110, EPI_ISL_1050111, EPI_ISL_1050112, EPI_ISL_1050113, EPI_ISL_1050114, EPI_ISL_1050115, EPI_ISL_1050116, EPI_ISL_1050117, EPI_ISL_1050118, EPI_ISL_1050119, EPI_ISL_1050120, EPI_ISL_1050121, EPI_ISL_1050122, EPI_ISL_1050123, EPI_ISL_1050124, EPI_ISL_1050125, EPI_ISL_1050126, EPI_ISL_1050127, EPI_ISL_1050128, EPI_ISL_1050129, EPI_ISL_1050130, EPI_ISL_1050131, EPI_ISL_1050132, EPI_ISL_1050133, EPI_ISL_1050134, EPI_ISL_1050135, EPI_ISL_1050136, EPI_ISL_1050137, EPI_ISL_1050138, EPI_ISL_1050139, EPI_ISL_1050140, EPI_ISL_1050141, EPI_ISL_1050142, EPI_ISL_1050143, EPI_ISL_1050144, EPI_ISL_1050145, EPI_ISL_1050146, EPI_ISL_1050147, EPI_ISL_1050148, EPI_ISL_1050149, EPI_ISL_1050150, EPI_ISL_1050151, EPI_ISL_1050152, EPI_ISL_1050153, EPI_ISL_1050154, EPI_ISL_1050155, EPI_ISL_1050156, EPI_ISL_1050157, EPI_ISL_1050158, EPI_ISL_1050159, EPI_ISL_1050160, EPI_ISL_1050161, EPI_ISL_1050162, EPI_ISL_1050163, EPI_ISL_1050164, EPI_ISL_1050165, EPI_ISL_1050166, EPI_ISL_1050167, EPI_ISL_1050168, EPI_ISL_1050169, EPI_ISL_1050170, EPI_ISL_1050171, EPI_ISL_1050172, EPI_ISL_1050173	see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1050204, EPI_ISL_1050206, EPI_ISL_1050207, EPI_ISL_1050209, EPI_ISL_1050210, EPI_ISL_1050211, EPI_ISL_1050212, EPI_ISL_1050214, EPI_ISL_1050215		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_1050323, EPI_ISL_1050324		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_1050428, EPI_ISL_1050429, EPI_ISL_1050570, EPI_ISL_1050571, EPI_ISL_1050572, EPI_ISL_1050573, EPI_ISL_1050574, EPI_ISL_1050575, EPI_ISL_1050576, EPI_ISL_1050577, EPI_ISL_1050578, EPI_ISL_1050579, EPI_ISL_1050581	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_1050994, EPI_ISL_1050995, EPI_ISL_1051001, EPI_ISL_1051002, EPI_ISL_1051003, EPI_ISL_1051004, EPI_ISL_1051007, EPI_ISL_1051008, EPI_ISL_1051009, EPI_ISL_1051010, EPI_ISL_1051011, EPI_ISL_1051012, EPI_ISL_1051013	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_1051419, EPI_ISL_1051421, EPI_ISL_1051422, EPI_ISL_1051423, EPI_ISL_1051530, EPI_ISL_1051534, EPI_ISL_1051539, EPI_ISL_1051541, EPI_ISL_1051543, EPI_ISL_1051548, EPI_ISL_1051549, EPI_ISL_1051550, EPI_ISL_1051551, EPI_ISL_1051555	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
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EPI_ISL_1053961, EPI_ISL_1053962, EPI_ISL_1053963		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_1054279, EPI_ISL_1054280, EPI_ISL_1054282, EPI_ISL_1054283, EPI_ISL_1054284, EPI_ISL_1054285, EPI_ISL_1054312, EPI_ISL_1054314, EPI_ISL_1054315, EPI_ISL_1054316, EPI_ISL_1054317, EPI_ISL_1054318, EPI_ISL_1054319, EPI_ISL_1054320, EPI_ISL_1054323, EPI_ISL_1054324, EPI_ISL_1054328, EPI_ISL_1054329, EPI_ISL_1054330, EPI_ISL_1054331, EPI_ISL_1054332, EPI_ISL_1054333, EPI_ISL_1054337, EPI_ISL_1054338, EPI_ISL_1054339, EPI_ISL_1054340, EPI_ISL_1054341, EPI_ISL_1054342, EPI_ISL_1054343, EPI_ISL_1054344, EPI_ISL_1054347, EPI_ISL_1054348, EPI_ISL_1054349, EPI_ISL_1054350, EPI_ISL_1054357, EPI_ISL_1054358, EPI_ISL_1054360, EPI_ISL_1054361, EPI_ISL_1054363, EPI_ISL_1054364, EPI_ISL_1054365, EPI_ISL_1054366, EPI_ISL_1054367, EPI_ISL_1054368, EPI_ISL_1054370, EPI_ISL_1054371	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_1054542, EPI_ISL_1054543, EPI_ISL_1054544, EPI_ISL_1054545, EPI_ISL_1054546, EPI_ISL_1054547, EPI_ISL_1054548, EPI_ISL_1054549, EPI_ISL_1054550, EPI_ISL_1054551, EPI_ISL_1054553, EPI_ISL_1054554, EPI_ISL_1054555, EPI_ISL_1054556, EPI_ISL_1054557, EPI_ISL_1054558, EPI_ISL_1054559, EPI_ISL_1054560, EPI_ISL_1054561, EPI_ISL_1054562, EPI_ISL_1054563, EPI_ISL_1054564, EPI_ISL_1054566, EPI_ISL_1054567, EPI_ISL_1054568, EPI_ISL_1054569, EPI_ISL_1054570, EPI_ISL_1054571, EPI_ISL_1054578, EPI_ISL_1054579, EPI_ISL_1054580, EPI_ISL_1054589, EPI_ISL_1054590, EPI_ISL_1054591, EPI_ISL_1054592, EPI_ISL_1054593, EPI_ISL_1054594, EPI_ISL_1054595, EPI_ISL_1054596, EPI_ISL_1054597, EPI_ISL_1054598, EPI_ISL_1054599, EPI_ISL_1054600, EPI_ISL_1054601, EPI_ISL_1054602, EPI_ISL_1054604, EPI_ISL_1054605, EPI_ISL_1054606, EPI_ISL_1054607, EPI_ISL_1054608, EPI_ISL_1054609, EPI_ISL_1054610, EPI_ISL_1054611, EPI_ISL_1054612, EPI_ISL_1054613, EPI_ISL_1054614, EPI_ISL_1054615, EPI_ISL_1054617, EPI_ISL_1054618, EPI_ISL_1054619	see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysher, Scott Elliott, Samuel Robson
EPI_ISL_1054763, EPI_ISL_1054771, EPI_ISL_1054776, EPI_ISL_1054778, EPI_ISL_1054781, EPI_ISL_1054783		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_1055038, EPI_ISL_1055039, EPI_ISL_1055040, EPI_ISL_1055041, EPI_ISL_1055042, EPI_ISL_1055043, EPI_ISL_1055044, EPI_ISL_1055045, EPI_ISL_1055046, EPI_ISL_1055047, EPI_ISL_1055048, EPI_ISL_1055051, EPI_ISL_1055066, EPI_ISL_1055068, EPI_ISL_1055069, EPI_ISL_1055070, EPI_ISL_1055071, EPI_ISL_1055072, EPI_ISL_1055073, EPI_ISL_1055074, EPI_ISL_1055075, EPI_ISL_1055077, EPI_ISL_1055078, EPI_ISL_1055084, EPI_ISL_1055090, EPI_ISL_1055093, EPI_ISL_1055094, EPI_ISL_1055098	see above	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1055378, EPI_ISL_1055379, EPI_ISL_1055380		Oregon State Public Health Laboratory	Oregon SARS-CoV-2 Genome Sequencing Center	Brendan L. O'Connell, Sally Grindstaff, Kayla Carter, Sonia Acharya, John Fontana, LaDonna Grenz, Ruth V. Nichols, Alec J. Hirsch, Donna Hansel, Guang Fan, Xuan Qin, Daniel N. Streblow, William B. Messer, Andrew C. Adey, Benjamin N. Bimber, Brian J. O'Roak
EPI_ISL_1055382		Oregon State Public Health Laboratory	Oregon SARS-CoV-2 Genome Sequencing Center	Brendan L. O'Connell, Sally Grindstaff, Kayla Carter, Sonia Acharya, John Fontana, LaDonna Grenz, Ruth V. Nichols, Alec J. Hirsch, Donna Hansel, Guang Fan, Xuan, Qin, Daniel N. Streblow, John Messer, Andrew C. Adey, Benjamin N. Bimber, Brian J. O'Roak
EPI_ISL_1055809, EPI_ISL_1055812		National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1056984, EPI_ISL_1056997, EPI_ISL_1056998, EPI_ISL_1056999, EPI_ISL_1057000, EPI_ISL_1057001, EPI_ISL_1057043, EPI_ISL_1057044, EPI_ISL_1057045, EPI_ISL_1057046, EPI_ISL_1057047, EPI_ISL_1057048, EPI_ISL_1057049, EPI_ISL_1057050, EPI_ISL_1057058, EPI_ISL_1057059, EPI_ISL_1057060, EPI_ISL_1057061, EPI_ISL_1057062, EPI_ISL_1057063	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_1057430, EPI_ISL_1057431, EPI_ISL_1057432, EPI_ISL_1057434, EPI_ISL_1057436, EPI_ISL_1057437, EPI_ISL_1057438, EPI_ISL_1057440, EPI_ISL_1057442, EPI_ISL_1057444, EPI_ISL_1057445, EPI_ISL_1057447, EPI_ISL_1057448, EPI_ISL_1057449, EPI_ISL_1057450, EPI_ISL_1057451, EPI_ISL_1057452, EPI_ISL_1057453, EPI_ISL_1057456, EPI_ISL_1057457, EPI_ISL_1057458, EPI_ISL_1057459, EPI_ISL_1057461, EPI_ISL_1057463, EPI_ISL_1057465, EPI_ISL_1057466, EPI_ISL_1057468, EPI_ISL_1057469, EPI_ISL_1057470, EPI_ISL_1057471, EPI_ISL_1057472, EPI_ISL_1057473, EPI_ISL_1057474, EPI_ISL_1057475, EPI_ISL_1057476, EPI_ISL_1057477, EPI_ISL_1057478, EPI_ISL_1057479, EPI_ISL_1057480, EPI_ISL_1057481, EPI_ISL_1057482, EPI_ISL_1057483, EPI_ISL_1057484, EPI_ISL_1057485, EPI_ISL_1057486, EPI_ISL_1057487, EPI_ISL_1057489, EPI_ISL_1057490, EPI_ISL_1057491, EPI_ISL_1057492, EPI_ISL_1057494, EPI_ISL_1057495, EPI_ISL_1057497, EPI_ISL_1057498, EPI_ISL_1057499, EPI_ISL_1057500, EPI_ISL_1057501, EPI_ISL_1057503, EPI_ISL_1057504, EPI_ISL_1057506, EPI_ISL_1057507, EPI_ISL_1057511, EPI_ISL_1057513, EPI_ISL_1057515, EPI_ISL_1057516, EPI_ISL_1057517, EPI_ISL_1057519, EPI_ISL_1057521, EPI_ISL_1057523, EPI_ISL_1057524, EPI_ISL_1057526, EPI_ISL_1057527, EPI_ISL_1057528, EPI_ISL_1057530, EPI_ISL_1057531, EPI_ISL_1057532, EPI_ISL_1057533, EPI_ISL_1057534, EPI_ISL_1057535, EPI_ISL_1057537, EPI_ISL_1057538, EPI_ISL_1057540, EPI_ISL_1057541, EPI_ISL_1057542, EPI_ISL_1057543, EPI_ISL_1057544, EPI_ISL_1057545, EPI_ISL_1057550, EPI_ISL_1057551, EPI_ISL_1057552, EPI_ISL_1057553, EPI_ISL_1057554, EPI_ISL_1057556, EPI_ISL_1057558, EPI_ISL_1057560, EPI_ISL_1057562, EPI_ISL_1057564, EPI_ISL_1057566, EPI_ISL_1057567, EPI_ISL_1057569, EPI_ISL_1057570, EPI_ISL_1057571, EPI_ISL_1057572, EPI_ISL_1057573, EPI_ISL_1057574, EPI_ISL_1057576, EPI_ISL_1057577, EPI_ISL_1057578, EPI_ISL_1057580, EPI_ISL_1057583, EPI_ISL_1057584, EPI_ISL_1057586, EPI_ISL_1057587, EPI_ISL_1057588, EPI_ISL_1057590, EPI_ISL_1057591, EPI_ISL_1057593, EPI_ISL_1057594, EPI_ISL_1057595, EPI_ISL_1057596, EPI_ISL_1057597, EPI_ISL_1057598, EPI_ISL_1057599, EPI_ISL_1057600, EPI_ISL_1057601, EPI_ISL_1057603, EPI_ISL_1057604, EPI_ISL_1057606, EPI_ISL_1057608, EPI_ISL_1057609, EPI_ISL_1057610, EPI_ISL_1057611, EPI_ISL_1057612, EPI_ISL_1057614, EPI_ISL_1057615, EPI_ISL_1057616, EPI_ISL_1057617, EPI_ISL_1057619, EPI_ISL_1057620, EPI_ISL_1057621, EPI_ISL_1057622, EPI_ISL_1057625, EPI_ISL_1057626, EPI_ISL_1057627, EPI_ISL_1057628, EPI_ISL_1057630, EPI_ISL_1057631, EPI_ISL_1057632, EPI_ISL_1057633, EPI_ISL_1057635, EPI_ISL_1057636, EPI_ISL_1057637, EPI_ISL_1057638, EPI_ISL_1057639, EPI_ISL_1057640, EPI_ISL_1057641, EPI_ISL_1057642, EPI_ISL_1057643, EPI_ISL_1057644, EPI_ISL_1057645, EPI_ISL_1057647, EPI_ISL_1057648, EPI_ISL_1057651, EPI_ISL_1057652, EPI_ISL_1057653, EPI_ISL_1057655, EPI_ISL_1057656, EPI_ISL_1057657, EPI_ISL_1057658, EPI_ISL_1057659, EPI_ISL_1057660, EPI_ISL_1057662, EPI_ISL_1057668, EPI_ISL_1057676, EPI_ISL_1057887, EPI_ISL_1057911, EPI_ISL_1057912, EPI_ISL_1057916, EPI_ISL_1057927, EPI_ISL_1057928	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, 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_1058448, EPI_ISL_1058461		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_1058481, EPI_ISL_1058482, EPI_ISL_1058484, EPI_ISL_1058486, EPI_ISL_1058487, EPI_ISL_1058488		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_1058586		I.F.A.C. Hopital Princesse Paola	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_1058587, EPI_ISL_1058590, EPI_ISL_1058591, EPI_ISL_1058592, EPI_ISL_1058594, EPI_ISL_1058596, EPI_ISL_1058599		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_1058604, EPI_ISL_1058605, EPI_ISL_1058606, EPI_ISL_1058607, EPI_ISL_1058608, EPI_ISL_1058609		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_1058644		University of Liège COVID-19 testing center	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Sébastien Bontems, Fabrice Bureau, Laurent Gillet, Wouter Coppieters, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1058955		Michigan Department of Health and Human Services, Bureau	Michigan Department of Health and Human Services, Bureau	Blankenship HM, Riner D, Soehnlen MK

	of Laboratories	of Laboratories	
EPI_ISL_1059028, EPI_ISL_1059032, EPI_ISL_1059036, EPI_ISL_1059055	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron	Cristina Andrés, Maria Piñana, Josep F Abril, Damir Garcia-Cehic, Ariadna Rando, Juliana Esperalba, Maria Gema Codina, Carla Castillo, Maria Carmen Martin, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_1059066	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_1059077	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano
EPI_ISL_1060099	Innovative Genomics Institute, UC Berkeley	Innovative Genomics Institute, UC Berkeley	Stacia Wyman, Alison Ciling, Netravathi Krishnappa, Haridha Shivram, Phil Frankino, Liana Lareau
EPI_ISL_1060333, EPI_ISL_1060334, EPI_ISL_1060335, EPI_ISL_1060336, EPI_ISL_1060340, EPI_ISL_1060341, EPI_ISL_1060346, EPI_ISL_1060347, EPI_ISL_1060348, EPI_ISL_1060349, EPI_ISL_1060350, EPI_ISL_1060351, EPI_ISL_1060352, EPI_ISL_1060353, EPI_ISL_1060354, EPI_ISL_1060355, EPI_ISL_1060356, EPI_ISL_1060357, EPI_ISL_1060358			
see above	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Fourgeaud Jacques
EPI_ISL_1060370	Labo Analyses Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Bendayan James
EPI_ISL_1060378	Labo analyse Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Goubard Agathe
EPI_ISL_1060379, EPI_ISL_1060390, EPI_ISL_1060393, EPI_ISL_1060394	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Fourgeaud Jacques
EPI_ISL_1060397	Labo analyse Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Goubard Agathe
EPI_ISL_1060557, EPI_ISL_1060558, EPI_ISL_1060559, EPI_ISL_1060560	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Fourgeaud Jacques
EPI_ISL_1060794	Virtua Health System-Voorhees	New Jersey Public Health Environmental Laboratories (NJ-PHEL)	Lindsey Bodnar, Shiv Verma, Dana Woell, Byeong Jeong
EPI_ISL_1063046	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1063112, EPI_ISL_1063120, EPI_ISL_1063127, EPI_ISL_1063162, EPI_ISL_1063188	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, 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_1063406, EPI_ISL_1063409, EPI_ISL_1063411, EPI_ISL_1063412, EPI_ISL_1063413, EPI_ISL_1063414, EPI_ISL_1063415, EPI_ISL_1063416, EPI_ISL_1063432, EPI_ISL_1063433, EPI_ISL_1063434, EPI_ISL_1063436, EPI_ISL_1063438, EPI_ISL_1063439, EPI_ISL_1063440, EPI_ISL_1063442, EPI_ISL_1063443, EPI_ISL_1063444, EPI_ISL_1063445, EPI_ISL_1063447, EPI_ISL_1063449, EPI_ISL_1063450, EPI_ISL_1063451, EPI_ISL_1063452, EPI_ISL_1063453, EPI_ISL_1063454, EPI_ISL_1063457, EPI_ISL_1063458, EPI_ISL_1063459, EPI_ISL_1063467, EPI_ISL_1063469, EPI_ISL_1063470, EPI_ISL_1063471, EPI_ISL_1063473, EPI_ISL_1063474, EPI_ISL_1063475, EPI_ISL_1063478, EPI_ISL_1063479, EPI_ISL_1063480, EPI_ISL_1063482, EPI_ISL_1063483, EPI_ISL_1063489			
see above	Azienda Sanitaria dell'Alto Adige Laboratorio Aziendale di Microbiologia e Virologia	Istituto di Genomica Applicata	Elisabetta Pagani, Irene Bianconi, Elisabetta Giacobazzi, Elisa Masi, Stefanie Wieser, Irena Jurman, Vera Vendramin, Gabriele Magris, Eleonora Paparelli, Davide Scaglione, Michele Morgante
EPI_ISL_1063503, EPI_ISL_1063518	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_1063916, EPI_ISL_1063922, EPI_ISL_1063923, EPI_ISL_1063943, EPI_ISL_1063944, EPI_ISL_1063945, EPI_ISL_1063946, EPI_ISL_1063947, EPI_ISL_1063948, EPI_ISL_1063960, EPI_ISL_1063961, EPI_ISL_1063963, EPI_ISL_1063968			
see above	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_1064333, EPI_ISL_1064335, EPI_ISL_1064338	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1064379, EPI_ISL_1064384	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1064428, EPI_ISL_1064429, EPI_ISL_1064430, EPI_ISL_1064431, EPI_ISL_1064432, EPI_ISL_1064438, EPI_ISL_1064439, EPI_ISL_1064440, EPI_ISL_1064441, EPI_ISL_1064450	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_1064762	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064779	DOHMH Chelsea	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064780	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064789	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064790	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064791	DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064792, EPI_ISL_1064793	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1065098, EPI_ISL_1065102, EPI_ISL_1065120, EPI_ISL_1065121, EPI_ISL_1065150, EPI_ISL_1065151, EPI_ISL_1065155, EPI_ISL_1065157, EPI_ISL_1065165, EPI_ISL_1065166, EPI_ISL_1065174, EPI_ISL_1065176, EPI_ISL_1065179, EPI_ISL_1065198, EPI_ISL_1065200, EPI_ISL_1065205, EPI_ISL_1065214, EPI_ISL_1065216, EPI_ISL_1065220, EPI_ISL_1065222, EPI_ISL_1065225, EPI_ISL_1065230, EPI_ISL_1065235, EPI_ISL_1065236, EPI_ISL_1065239, EPI_ISL_1065246, EPI_ISL_1065247, EPI_ISL_1065270, EPI_ISL_1065280, EPI_ISL_1065281, EPI_ISL_1065287, EPI_ISL_1065288, EPI_ISL_1065308, EPI_ISL_1065315, EPI_ISL_1065325, EPI_ISL_1065335, EPI_ISL_1065337, EPI_ISL_1065339, EPI_ISL_1065342, EPI_ISL_1065350, EPI_ISL_1065357, EPI_ISL_1065368, EPI_ISL_1065372, EPI_ISL_1065380, EPI_ISL_1065390, EPI_ISL_1065398, EPI_ISL_1065401, EPI_ISL_1065405, EPI_ISL_1065413, EPI_ISL_1065414, EPI_ISL_1065415, EPI_ISL_1065420, EPI_ISL_1065427, EPI_ISL_1065430, EPI_ISL_1065441, EPI_ISL_1065447, EPI_ISL_1065451, EPI_ISL_1065453, EPI_ISL_1065454, EPI_ISL_1065471, EPI_ISL_1065482, EPI_ISL_1065485, EPI_ISL_1065486, EPI_ISL_1065489, EPI_ISL_1065492, EPI_ISL_1065493, EPI_ISL_1065503, EPI_ISL_1065506, EPI_ISL_1065512, EPI_ISL_1065530, EPI_ISL_1065540, EPI_ISL_1065548, EPI_ISL_1065573, EPI_ISL_1065607, EPI_ISL_1065608, EPI_ISL_1065623, EPI_ISL_1065629, EPI_ISL_1065630, EPI_ISL_1065631, EPI_ISL_1065650, EPI_ISL_1065653, EPI_ISL_1065668, EPI_ISL_1065672, EPI_ISL_1065676, EPI_ISL_1065682, EPI_ISL_1065691, EPI_ISL_1065692, EPI_ISL_1065694, EPI_ISL_1065695, EPI_ISL_1065706, EPI_ISL_1065714, EPI_ISL_1065736, EPI_ISL_1065737, EPI_ISL_1065763, EPI_ISL_1065765, EPI_ISL_1065766, EPI_ISL_1065813, EPI_ISL_1065824, EPI_ISL_1065832, EPI_ISL_1065855, EPI_ISL_1065858, EPI_ISL_1065860, EPI_ISL_1065862, EPI_ISL_1065887, EPI_ISL_1065894, EPI_ISL_1065905, EPI_ISL_1065911, EPI_ISL_1065913, EPI_ISL_1065922, EPI_ISL_1065946, EPI_ISL_1065962, EPI_ISL_1065963, EPI_ISL_1065970, EPI_ISL_1065993, EPI_ISL_1066022, EPI_ISL_1066027, EPI_ISL_1066035, EPI_ISL_1066041, EPI_ISL_1066051, EPI_ISL_1066065, EPI_ISL_1066067, EPI_ISL_1066068, EPI_ISL_1066079, EPI_ISL_1066086, EPI_ISL_1066088, EPI_ISL_1066093, EPI_ISL_1066097, EPI_ISL_1066108, EPI_ISL_1066114, EPI_ISL_1066118, EPI_ISL_1066132, EPI_ISL_1066133, EPI_ISL_1066142, EPI_ISL_1066163, EPI_ISL_1066166, EPI_ISL_1066168, EPI_ISL_1066177, EPI_ISL_1066179, EPI_ISL_1066182, EPI_ISL_1066193, EPI_ISL_1066201, EPI_ISL_1066204, EPI_ISL_1066209, EPI_ISL_1066215, EPI_ISL_1066216, EPI_ISL_1066218, EPI_ISL_1066227, EPI_ISL_1066249, EPI_ISL_1066259, EPI_ISL_1066261, EPI_ISL_1066267, EPI_ISL_1066280, EPI_ISL_1066284, EPI_ISL_1066286, EPI_ISL_1066299, EPI_ISL_1066301, EPI_ISL_1066322, EPI_ISL_1066332, EPI_ISL_1066339, EPI_ISL_1066350, EPI_ISL_1066362, EPI_ISL_1066363, EPI_ISL_1066365, EPI_ISL_1066366, EPI_ISL_1066376, EPI_ISL_1066390, EPI_ISL_1066396, EPI_ISL_1066398, EPI_ISL_1066399, EPI_ISL_1066404, EPI_ISL_1066410, EPI_ISL_1066443, EPI_ISL_1066445, EPI_ISL_1066446, EPI_ISL_1066457, EPI_ISL_1066465, EPI_ISL_1066476, EPI_ISL_1066487, EPI_ISL_1066501, EPI_ISL_1066510, EPI_ISL_1066517, EPI_ISL_1066518, EPI_ISL_1066526, EPI_ISL_1066530, EPI_ISL_1066534, EPI_ISL_1066538, EPI_ISL_1066542, EPI_ISL_1066543, EPI_ISL_1066547, EPI_ISL_1066552, EPI_ISL_1066553, EPI_ISL_1066587, EPI_ISL_1066594, EPI_ISL_1066597, EPI_ISL_1066602, EPI_ISL_1066603, EPI_ISL_1066613, EPI_ISL_1066637, EPI_ISL_1066640, EPI_ISL_1066655, EPI_ISL_1066657, EPI_ISL_1066665, EPI_ISL_1066667, EPI_ISL_1066669, EPI_ISL_1066679, EPI_ISL_1066683, EPI_ISL_1066719, EPI_ISL_1066721, EPI_ISL_1066736, EPI_ISL_1066781, EPI_ISL_1066781, EPI_ISL_1066805, EPI_ISL_1066845, EPI_ISL_1066871, EPI_ISL_1066882, EPI_ISL_1066893, EPI_ISL_1066910, EPI_ISL_1066914, EPI_ISL_1066924, EPI_ISL_1066932, EPI_ISL_1066940, EPI_ISL_1066958, EPI_ISL_1066967, EPI_ISL_1066994, EPI_ISL_1067024, EPI_ISL_1067040, EPI_ISL_1067049, EPI_ISL_1067053, EPI_ISL_1067064, EPI_ISL_1067065, EPI_ISL_1067082, EPI_ISL_1067085, EPI_ISL_1067096, EPI_ISL_1067100, EPI_ISL_1067104, EPI_ISL_1067106, EPI_ISL_1067107, EPI_ISL_1067121, EPI_ISL_1067149, EPI_ISL_1067173, EPI_ISL_1067207, EPI_ISL_1067209, EPI_ISL_1067233, EPI_ISL_1067240, EPI_ISL_1067261, EPI_ISL_1067266, EPI_ISL_1067290, EPI_ISL_1067299, EPI_ISL_1067304, EPI_ISL_1067310, EPI_ISL_1067311, EPI_ISL_1067314, EPI_ISL_1067322, EPI_ISL_1067367, EPI_ISL_1067406, EPI_ISL_1067416, EPI_ISL_1067420, EPI_ISL_1067430, EPI_ISL_1067465, EPI_ISL_1067498, EPI_ISL_1067502, EPI_ISL_1067505, EPI_ISL_1067507, EPI_ISL_1067511, EPI_ISL_1067517, EPI_ISL_1067541, EPI_ISL_1067546, EPI_ISL_1067551, EPI_ISL_1067570, EPI_ISL_1067573, EPI_ISL_1067581			
see above	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Aalborg University	Danish Covid-19 Genome Consortium
EPI_ISL_1068796, EPI_ISL_1068980,	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie

EPI_ISL_1069018, EPI_ISL_1069031, EPI_ISL_1069091			
EPI_ISL_1070269	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_1070346, EPI_ISL_1070351, EPI_ISL_1070358, EPI_ISL_1070367, EPI_ISL_1070374, EPI_ISL_1070411, EPI_ISL_1070412, EPI_ISL_1070415, EPI_ISL_1070419, EPI_ISL_1070442, EPI_ISL_1070444, EPI_ISL_1070449, EPI_ISL_1070450, EPI_ISL_1070458, EPI_ISL_1070463, EPI_ISL_1070476, EPI_ISL_1070481, EPI_ISL_1070482, EPI_ISL_1070497, EPI_ISL_1070514, EPI_ISL_1070543, EPI_ISL_1070546, EPI_ISL_1070548, EPI_ISL_1070550, EPI_ISL_1070556, EPI_ISL_1070566, EPI_ISL_1070568, EPI_ISL_1070575, EPI_ISL_1070590, EPI_ISL_1070607, EPI_ISL_1070608, EPI_ISL_1070611, EPI_ISL_1070615			
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, 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_1070626	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, 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_1070748, EPI_ISL_1071039	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1072618, EPI_ISL_1072705, EPI_ISL_1072817, EPI_ISL_1072834, EPI_ISL_1072943	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_1073019	National Public Health Surveillance Laboratory	MB1554	Ana Steponkiene, Svajn Muralyt, Lukas Žemaitis, Danas Bakša, M.P.G. Koopmans, DVM PhD; B.B. Oude Munnink
EPI_ISL_1073641, EPI_ISL_1073642, EPI_ISL_1073734, EPI_ISL_1073748, EPI_ISL_1073749, EPI_ISL_1073750, EPI_ISL_1073751, EPI_ISL_1073752, EPI_ISL_1073757, EPI_ISL_1073758, EPI_ISL_1073768			
see above	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_1073921, EPI_ISL_1073922	Norwegian Institute of Public Health, Department of Virology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1073925, EPI_ISL_1073926	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1076379, EPI_ISL_1076380	St. Nikolaus-Hospital Eupen	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1080508, EPI_ISL_1080528, EPI_ISL_1080529, EPI_ISL_1080530, EPI_ISL_1080531, EPI_ISL_1080532, EPI_ISL_1080539, EPI_ISL_1080540, EPI_ISL_1080546, EPI_ISL_1080549, EPI_ISL_1080553, EPI_ISL_1080556, EPI_ISL_1080557, EPI_ISL_1080561, EPI_ISL_1080565, EPI_ISL_1080566			
see above	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andrea Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1081893, EPI_ISL_1081894, EPI_ISL_1081895	Clinical Microbiology, Infection Prevention and Control	Section for Molecular Diagnostics	Björn Hallström, Jonas Björkman
EPI_ISL_1081939	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_1082295	INT Fondazione Pascale	INT Fondazione Pascale	INT Fondazione Pascale
EPI_ISL_1082419, EPI_ISL_1082420, EPI_ISL_1082421, EPI_ISL_1082441, EPI_ISL_1082444, EPI_ISL_1082445	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_1084613	Hospital for Infectious Diseases, Molecular Diagnostics Laboratory, Warsaw, Poland	63. Laboratory of Recombinant Vaccines, Intercollegiate Faculty of Biotechnology University of Gdansk and Medical University of Gdansk, 2. ViroGenetics - BSL3 Laboratory of Virology, Maopolska Centre of Biotechnology, Jagiellonian University	Lukasz Rabalski, Maciej Kosinski, Natalia Mazur-Panasiuk, Aneta Kopacz, Piotr Zabek, Tomasz Dyda, Andrzej Horban, Krzysztof Pyrc, Krystyna Bienkowska-Szewczyk
EPI_ISL_1084883, EPI_ISL_1084884, EPI_ISL_1084885, EPI_ISL_1084886, EPI_ISL_1084887, EPI_ISL_1084920, EPI_ISL_1084921, EPI_ISL_1084928	University Hospitals of Geneva, Laboratory of Virology	HUG, Laboratory of Virology and the Health2030 Genome Center	Samuel Cordey, Ana Rita Goncalves, Laurent Kaiser, Lorenzo Cerutti, Henri Peugeot, Melyssa Elies, Deborah Penet, Keith Harshman, Ioannis Xenarios, Emmanouil Dermitzakis
EPI_ISL_1085422, EPI_ISL_1085423	Groupe LCD	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
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EPI_ISL_1085426, EPI_ISL_1085429, EPI_ISL_1085430, EPI_ISL_1085431, EPI_ISL_1085434, EPI_ISL_1085437, EPI_ISL_1085439, EPI_ISL_1085442, EPI_ISL_1085444, EPI_ISL_1085445, EPI_ISL_1085446, EPI_ISL_1085448, EPI_ISL_1085450, EPI_ISL_1085456, EPI_ISL_1085457, EPI_ISL_1085458, EPI_ISL_1085459, EPI_ISL_1085460, EPI_ISL_1085462, EPI_ISL_1085463, EPI_ISL_1085464, EPI_ISL_1085465, EPI_ISL_1085466, EPI_ISL_1085467, EPI_ISL_1085468, EPI_ISL_1085469, EPI_ISL_1085470, EPI_ISL_1085471, EPI_ISL_1085479, EPI_ISL_1085480, EPI_ISL_1085481, EPI_ISL_1085482, EPI_ISL_1085483, EPI_ISL_1085484, EPI_ISL_1085485, EPI_ISL_1085486, EPI_ISL_1085487, EPI_ISL_1085488, EPI_ISL_1085489, EPI_ISL_1085490, EPI_ISL_1085491, EPI_ISL_1085492, EPI_ISL_1085493, EPI_ISL_1085494, EPI_ISL_1085495, EPI_ISL_1085496, EPI_ISL_1085498, EPI_ISL_1085502, EPI_ISL_1085503, EPI_ISL_1085514			
see above	Groupe LCD	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_1085557	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_1085562	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_1085564	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
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EPI_ISL_1085572	Groupe LCD	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky

EPI_ISL_1085573, EPI_ISL_1085581, EPI_ISL_1085582	CHI VILLENEUVE ST GEORGES	Créteil, INSERM U955 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
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EPI_ISL_1085584	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_1085585	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
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EPI_ISL_1085596, EPI_ISL_1085597, EPI_ISL_1085598	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
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EPI_ISL_1085604	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_1085622	Groupe LCD	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_1085623	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_1085810	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_1089436, EPI_ISL_1089443, EPI_ISL_1089500, EPI_ISL_1089501, EPI_ISL_1089502, EPI_ISL_1089503, EPI_ISL_1089504, EPI_ISL_1089505, EPI_ISL_1089506, EPI_ISL_1089507, EPI_ISL_1089508, EPI_ISL_1089509, EPI_ISL_1089510, EPI_ISL_1089511, EPI_ISL_1089512, EPI_ISL_1089513, EPI_ISL_1089514, EPI_ISL_1089515, EPI_ISL_1089516, EPI_ISL_1089517, EPI_ISL_1089518, EPI_ISL_1089519, EPI_ISL_1089597, EPI_ISL_1089598, EPI_ISL_1089629, EPI_ISL_1089679, EPI_ISL_1089680, EPI_ISL_1089681, EPI_ISL_1089682, EPI_ISL_1089683, EPI_ISL_1089684, EPI_ISL_1089685, EPI_ISL_1089686, EPI_ISL_1089687, EPI_ISL_1089688, EPI_ISL_1089689, EPI_ISL_1089690, EPI_ISL_1089691, EPI_ISL_1089692, EPI_ISL_1089693, EPI_ISL_1089694, EPI_ISL_1089695, EPI_ISL_1089696, EPI_ISL_1089697, EPI_ISL_1089698, EPI_ISL_1089699, EPI_ISL_1089700, EPI_ISL_1089701, EPI_ISL_1089702, EPI_ISL_1089703, EPI_ISL_1089704, EPI_ISL_1089705, EPI_ISL_1089804			
see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Florian Zwagemaker, Dennis Schmitz, Chantal Reusken, on behalf of the national COVID-19 response team
EPI_ISL_1091151, EPI_ISL_1091157, EPI_ISL_1091158, EPI_ISL_1091159, EPI_ISL_1091160, EPI_ISL_1091161, EPI_ISL_1091166	Virology, Universitätsklinikum des Saarlandes	Epigenetics, Saarland University	Kathrin Kattler, Markus Vogelgesang, Stefan Lohse, Sascha Tierling, Thorsten Pfuhl, Sigrun Smola, Jörn Walter
EPI_ISL_1091182, EPI_ISL_1091184, EPI_ISL_1091188, EPI_ISL_1091191, EPI_ISL_1091193	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1091324	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_1091403, EPI_ISL_1091404, EPI_ISL_1091412	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_1091816	Yale Clinical Virology Laboratory	Grubaugh Lab - Yale School of Public Health	Mary Petrone, Joseph Fauver, Tara Alpert, Anderson Brito, Mallery Breban, Anne Wyllie, Chantal Vogels, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_1091873, EPI_ISL_1091892	Tempus	Grubaugh Lab - Yale School of Public Health	Mary Petrone, Joseph Fauver, Tara Alpert, Anderson Brito, Mallery Breban, Anne Wyllie, Chantal Vogels, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_1091957, EPI_ISL_1091969, EPI_ISL_1091972	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Matthew Schwartz, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_1093494, EPI_ISL_1093495, EPI_ISL_1093499, EPI_ISL_1093501, EPI_ISL_1093503, EPI_ISL_1093506, EPI_ISL_1093508, EPI_ISL_1093509, EPI_ISL_1093515, EPI_ISL_1093517, EPI_ISL_1093521, EPI_ISL_1093527, EPI_ISL_1093531, EPI_ISL_1093535, EPI_ISL_1093537, EPI_ISL_1093541, EPI_ISL_1093544, EPI_ISL_1093545			
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 Myrtennäs, David Sundell, Caroline Öhrman, Mats Forsman, Annika Allard, Annika Osterman
EPI_ISL_1095408	Virginia Division of Consolidated Laboratory Services	Virginia Division of Consolidated Laboratory Services	Virginia DCLS

EPI_ISL_1096236, EPI_ISL_1096237, EPI_ISL_1096238, EPI_ISL_1096239	Research	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Leruez-Ville Marianne
EPI_ISL_1096248	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Guinard Jérôme
EPI_ISL_1097030, EPI_ISL_1097031, EPI_ISL_1097032, EPI_ISL_1097033, EPI_ISL_1097034, EPI_ISL_1097035, EPI_ISL_1097036, EPI_ISL_1097037, EPI_ISL_1097038, EPI_ISL_1097041, EPI_ISL_1097042, EPI_ISL_1097043, EPI_ISL_1097048, EPI_ISL_1097049, EPI_ISL_1097051, EPI_ISL_1097068			
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EPI_ISL_1097614	Colorado Department of Public Health and Environment	Colorado Department of Public Health and Environment	Laura Bankers, Molly C. Hetherington-Rauth, Diana Ir, Shannon Ely, Shannon R. Matzinger, Sarah Elizabeth Totten, Emily A. Travanty
EPI_ISL_1097696	Eurofins Diatherix	Hudsonalpha Genome Sequencing Center	Jane Grimwood, Melissa Williams, Lori H. Handley, Joshua Stough, Leslie Malone, Stefan Brzezinski, Ada Stewart, Teresa Jones, Jenell Webber, John Lovell, Jennifer Cart, and Jeremy Schmutz
EPI_ISL_1098604	Cambodian National Public Health Laboratory, National Institute of Public Health	Virology Unit, Institut Pasteur du Cambodge	Sokhoun Yann, Ly Sovann, Kraing Sidonn, Yi Sengdoeum, Chin Savuth, Chau Darapeak, Veasna Duong, Erik A Karlsson
EPI_ISL_1099813, EPI_ISL_1099853, EPI_ISL_1100026, EPI_ISL_1100033, EPI_ISL_1100038, EPI_ISL_1101682, EPI_ISL_1101695, EPI_ISL_1102117, EPI_ISL_1102759, EPI_ISL_1102800, EPI_ISL_1102819, EPI_ISL_1103027			
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_1103394	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, 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_1103591, EPI_ISL_1103592	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, Caterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_1103649, EPI_ISL_1103650, EPI_ISL_1103651, EPI_ISL_1103655, EPI_ISL_1103661, EPI_ISL_1103662, EPI_ISL_1103663, EPI_ISL_1103667, EPI_ISL_1103668, EPI_ISL_1103669, EPI_ISL_1103670, EPI_ISL_1103671, EPI_ISL_1103674, EPI_ISL_1103675, EPI_ISL_1103677, EPI_ISL_1103678, EPI_ISL_1103700			
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_1103748, EPI_ISL_1103749, EPI_ISL_1103750, EPI_ISL_1103753, EPI_ISL_1103755	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_1103799, EPI_ISL_1103807	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_1103891	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_1104072, EPI_ISL_1104073, EPI_ISL_1104074, EPI_ISL_1104075, EPI_ISL_1104076, EPI_ISL_1104077, EPI_ISL_1104078, EPI_ISL_1104079, EPI_ISL_1104080, EPI_ISL_1104081, EPI_ISL_1104082, EPI_ISL_1104083, EPI_ISL_1104084			
see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Anyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1104085	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysheer, Scott Elliott, Samuel Robson
EPI_ISL_1104086, EPI_ISL_1104087	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 Anyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1104088	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysheer, Scott Elliott, Samuel Robson
EPI_ISL_1104089, EPI_ISL_1104090, EPI_ISL_1104091, EPI_ISL_1104092, EPI_ISL_1104093, EPI_ISL_1104094, EPI_ISL_1104095, EPI_ISL_1104096, EPI_ISL_1104097, EPI_ISL_1104098, EPI_ISL_1104100, EPI_ISL_1104101, EPI_ISL_1104102			
see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Anyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1104124, EPI_ISL_1104125, EPI_ISL_1104126, EPI_ISL_1104127, EPI_ISL_1104128, EPI_ISL_1104132, EPI_ISL_1104133, EPI_ISL_1104143	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 Brooks, Lily Tong, Jenna Nichols, Kyriaki Nomikou; Sarah McDonald; Richard Orton, Joseph Hughes, Sreenu Vattipally, David L Robertson; Alasdair MacLean, Rory Gunson; Sharif Shaaban, Matthew Holden; Rachel Blacow, Guy Mollett, Kathy Li, James Shepherd, Antonia Ho, Emma Thomson
EPI_ISL_1104207, EPI_ISL_1104212, EPI_ISL_1104213	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_1104294	University Hospitals Of Leicester NHS Trust and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Christopher Holmes, Paul Bird, Thomas Helmer, Karlie Fallon, Julian Tang, Jonathan Ball, Patrick McClure, Joeseeph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1104390, EPI_ISL_1104391, EPI_ISL_1104392, EPI_ISL_1104393, EPI_ISL_1104394, EPI_ISL_1104426, EPI_ISL_1104427, EPI_ISL_1104429, EPI_ISL_1104431, EPI_ISL_1104499, EPI_ISL_1104522, EPI_ISL_1104525, EPI_ISL_1104526, EPI_ISL_1104527, EPI_ISL_1104528, EPI_ISL_1104529, EPI_ISL_1104530, EPI_ISL_1104531, EPI_ISL_1104532, EPI_ISL_1104533, EPI_ISL_1104542, EPI_ISL_1104571			
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, Caterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_1105172, EPI_ISL_1105187, EPI_ISL_1105202, EPI_ISL_1105203, EPI_ISL_1105204, EPI_ISL_1105205, EPI_ISL_1105206, EPI_ISL_1105207, EPI_ISL_1105209, EPI_ISL_1105210, EPI_ISL_1105217, EPI_ISL_1105218, EPI_ISL_1105223, EPI_ISL_1105224, EPI_ISL_1105230, EPI_ISL_1105254, EPI_ISL_1105323, EPI_ISL_1105325			
see above	University College London Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Judith Heaney, Matthew Byott, Catherine Houlihan, Dan Frampton, Stuart Kirk, Moira Spyer and Eleni Nastouli

EPI_ISL_1105348, EPI_ISL_1105350, EPI_ISL_1105351, EPI_ISL_1105352, EPI_ISL_1105353, EPI_ISL_1105355, EPI_ISL_1105356, EPI_ISL_1105357, EPI_ISL_1105358, EPI_ISL_1105360, EPI_ISL_1105361, EPI_ISL_1105362, EPI_ISL_1105364, EPI_ISL_1105365, EPI_ISL_1105367, EPI_ISL_1105368, EPI_ISL_1105369, EPI_ISL_1105373, EPI_ISL_1105374, EPI_ISL_1105376, EPI_ISL_1105471			
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_1105577	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
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see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith,Andrew Nelson,Matthew Bashton,Greg R Young,Joshua Loh,John Allan,Mohammad A Tariq,Giles S Holt,Gary Black,Wen C Yew,Lynn Dover,Paul Baker,Steve Liggett,Sarah Essex,Jane Greenaway,Debra Padgett,Clive Graham,Garren Scott,Edward Barton,Emma Swindells,Brendan Payne,Jennifer Collins,Yusri Taha,Gary Eltringham
EPI_ISL_1105913, EPI_ISL_1105914, EPI_ISL_1105915, EPI_ISL_1105916, EPI_ISL_1105917, EPI_ISL_1105919, EPI_ISL_1105920, EPI_ISL_1105921, EPI_ISL_1105922, EPI_ISL_1105923, EPI_ISL_1105924, EPI_ISL_1105925, EPI_ISL_1105926, EPI_ISL_1105927, EPI_ISL_1105928			
see above	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1106015, EPI_ISL_1106017, EPI_ISL_1106019, EPI_ISL_1106025, EPI_ISL_1106027, EPI_ISL_1106028, EPI_ISL_1106029, EPI_ISL_1106030, EPI_ISL_1106032, EPI_ISL_1106033, EPI_ISL_1106034, EPI_ISL_1106036, EPI_ISL_1106037, EPI_ISL_1106038, EPI_ISL_1106041, EPI_ISL_1106042, EPI_ISL_1106044, EPI_ISL_1106045, EPI_ISL_1106046, EPI_ISL_1106047, EPI_ISL_1106048, EPI_ISL_1106049, EPI_ISL_1106051, EPI_ISL_1106052, EPI_ISL_1106053, EPI_ISL_1106054, EPI_ISL_1106057, EPI_ISL_1106058, EPI_ISL_1106059, EPI_ISL_1106060, EPI_ISL_1106061, EPI_ISL_1106062, EPI_ISL_1106063, EPI_ISL_1106065, EPI_ISL_1106066, EPI_ISL_1106073, EPI_ISL_1106074, EPI_ISL_1106075, EPI_ISL_1106076			
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
EPI_ISL_1106603, EPI_ISL_1106604, EPI_ISL_1106629, EPI_ISL_1106630, EPI_ISL_1106632, EPI_ISL_1106633, EPI_ISL_1106635, EPI_ISL_1106675, EPI_ISL_1106676, EPI_ISL_1106682, EPI_ISL_1106683, EPI_ISL_1106693, EPI_ISL_1106694, EPI_ISL_1106695, EPI_ISL_1106696, EPI_ISL_1106698			
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_1106771, EPI_ISL_1106772, EPI_ISL_1106773	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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see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1107812, EPI_ISL_1107813, EPI_ISL_1107814, EPI_ISL_1107815, EPI_ISL_1107816, EPI_ISL_1107817, EPI_ISL_1107818, EPI_ISL_1107820, EPI_ISL_1107821, EPI_ISL_1107822, EPI_ISL_1107825			
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_1107826, EPI_ISL_1107827, EPI_ISL_1107828, EPI_ISL_1107829	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, Reenesha Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1107830, EPI_ISL_1107831	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
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EPI_ISL_1108449, EPI_ISL_1108450, EPI_ISL_1108451, EPI_ISL_1108452	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
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EPI_ISL_1108464	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_1108465	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_1108466, EPI_ISL_1108467	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_1108468, EPI_ISL_1108469	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_1108470, EPI_ISL_1108471	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_1108472, EPI_ISL_1108473, EPI_ISL_1108474, EPI_ISL_1108475, EPI_ISL_1108476, EPI_ISL_1108477, EPI_ISL_1108478	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_1108479, EPI_ISL_1108480, EPI_ISL_1108481, EPI_ISL_1108482, EPI_ISL_1108483, EPI_ISL_1108484, EPI_ISL_1108485, EPI_ISL_1108486, EPI_ISL_1108487	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
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EPI_ISL_1108499, EPI_ISL_1108500, EPI_ISL_1108501, EPI_ISL_1108502, EPI_ISL_1108504, EPI_ISL_1108505, EPI_ISL_1108506, EPI_ISL_1108507, EPI_ISL_1108508, EPI_ISL_1108509, EPI_ISL_1108510, EPI_ISL_1108511, EPI_ISL_1108512, EPI_ISL_1108514, EPI_ISL_1108515, EPI_ISL_1108516, EPI_ISL_1108517, EPI_ISL_1108518, EPI_ISL_1108519, EPI_ISL_1108520, EPI_ISL_1108521, EPI_ISL_1108522, EPI_ISL_1108523, EPI_ISL_1108524, EPI_ISL_1108525, EPI_ISL_1108526, EPI_ISL_1108529, EPI_ISL_1108530, EPI_ISL_1108531, EPI_ISL_1108532, EPI_ISL_1108533, EPI_ISL_1108534, EPI_ISL_1108535, EPI_ISL_1108536, EPI_ISL_1108537, EPI_ISL_1108538, EPI_ISL_1108539, EPI_ISL_1108540, EPI_ISL_1108541, EPI_ISL_1108542, EPI_ISL_1108543, EPI_ISL_1108544, EPI_ISL_1108545, EPI_ISL_1108546, EPI_ISL_1108547, EPI_ISL_1108548, EPI_ISL_1108549, EPI_ISL_1108550, EPI_ISL_1108551, EPI_ISL_1108552, EPI_ISL_1108553, EPI_ISL_1108554, EPI_ISL_1108555, EPI_ISL_1108556, EPI_ISL_1108557, EPI_ISL_1108558, EPI_ISL_1108559, EPI_ISL_1108560, EPI_ISL_1108561, EPI_ISL_1108562, EPI_ISL_1108563, EPI_ISL_1108564, EPI_ISL_1108565, EPI_ISL_1108566, EPI_ISL_1108567, EPI_ISL_1108568	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	
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
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see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith,Andrew Nelson,Matthew Bashton,Greg R Young,Joshua Loh,John Allan,Mohammad A Tariq,Giles S Holt,Gary Black,Wen C Yew,Lynn Dover,Paul Baker,Steve Liggett,Sarah Essex,Jane Greenaway,Debra Padgett,Clive Graham,Garren Scott,Edward Barton,Emma Swindells,Brendan Payne,Jennifer Collins,Yusri Taha,Gary Eltringham
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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

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EPI_ISL_1109051, EPI_ISL_1109052, EPI_ISL_1109053, EPI_ISL_1109054, EPI_ISL_1109055, EPI_ISL_1109117, EPI_ISL_1109118, EPI_ISL_1109119, EPI_ISL_1109120, EPI_ISL_1109121, EPI_ISL_1109122, EPI_ISL_1109123, EPI_ISL_1109128, EPI_ISL_1109142, EPI_ISL_1109143, EPI_ISL_1109147, EPI_ISL_1109148, EPI_ISL_1109149, EPI_ISL_1109150, EPI_ISL_1109151, EPI_ISL_1109152, EPI_ISL_1109153, EPI_ISL_1109154, EPI_ISL_1109155, EPI_ISL_1109156, EPI_ISL_1109157, EPI_ISL_1109193, EPI_ISL_1109194, EPI_ISL_1109195, EPI_ISL_1109196, EPI_ISL_1109197, EPI_ISL_1109198, EPI_ISL_1109199, EPI_ISL_1109201, EPI_ISL_1109203, EPI_ISL_1109204, EPI_ISL_1109207, EPI_ISL_1109208, EPI_ISL_1109214, EPI_ISL_1109215, EPI_ISL_1109216, EPI_ISL_1109217, EPI_ISL_1109218	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_1109229		Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysheer,Scott Elliott,Samuel Robson
EPI_ISL_1109231, EPI_ISL_1109232, EPI_ISL_1109233, EPI_ISL_1109234, EPI_ISL_1109235		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_1109237, EPI_ISL_1109238, EPI_ISL_1109239, EPI_ISL_1109241, EPI_ISL_1109242		Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysheer,Scott Elliott,Samuel Robson
EPI_ISL_1109487		Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109488, EPI_ISL_1109494		University Hospital for Infectious Diseases	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109496, EPI_ISL_1109499		Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109639, EPI_ISL_1109642		Althaea. Xarxa Assistencial Universitària de Manresa	IrsiCaixa - Can Ruti CovidSeq	Marc Noguera-Julian, Mariona Parera, Maria Casadellà, Pilar Armengol, Francesc Catala-Moll, Roger Paredes, Bonaventura Clotet Gloria Trujillo, Rafael Perez Vidal, Jaume Trape Pujol, Carolina Gonzalez Fernandez, Roger Paredes, Eulalia Grau, Bonaventura Clotet
EPI_ISL_1109758, EPI_ISL_1109772, EPI_ISL_1109796, EPI_ISL_1109797, EPI_ISL_1109809, EPI_ISL_1109814, EPI_ISL_1109815, EPI_ISL_1109820, EPI_ISL_1109824, EPI_ISL_1109826		Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1110142, EPI_ISL_1110143, EPI_ISL_1110144, EPI_ISL_1110145, EPI_ISL_1110146, EPI_ISL_1110147, EPI_ISL_1110148, EPI_ISL_1110149, EPI_ISL_1110150		Groupe LCD	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_1110151, EPI_ISL_1110152		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_1110155		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_1110174		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_1110658, EPI_ISL_1110659, EPI_ISL_1110660, EPI_ISL_1110662, EPI_ISL_1110664, EPI_ISL_1110665, EPI_ISL_1110666		Helix/Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efrén Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1111733		National Laboratory for Health, Environment and Food, OMM, Koper	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_1112223, EPI_ISL_1112224, EPI_ISL_1112225		Ospedale Di Venere - Carbonara	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Parisi A., Bianco A., Capozzi L., Del Sambro L., Simone D., Giannico A., Ridolfi D.
EPI_ISL_1114461, EPI_ISL_1114462, EPI_ISL_1114463, EPI_ISL_1114464, EPI_ISL_1114465, EPI_ISL_1114467		Utah Public Health Laboratory	Utah Public Health Laboratory	Erin L. Young, Kelly F. Oakeson, Tara Gallagher
EPI_ISL_1116593, EPI_ISL_1116600, EPI_ISL_1116601, EPI_ISL_1116610, EPI_ISL_1116619, EPI_ISL_1116620, EPI_ISL_1116625, EPI_ISL_1116637, EPI_ISL_1116643, EPI_ISL_1116645, EPI_ISL_1116646	see above	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1116662		Instituto Nacional de Saude (INSA) and Institute of Biomedicine (iBiMed), Universidade de Aveiro	Instituto Nacional de Saude (INSA) and Institute of Biomedicine (iBiMed), Universidade de Aveiro	Borges et al
EPI_ISL_1116668		Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_1116670		Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1116672, EPI_ISL_1116685, EPI_ISL_1116686		Instituto Nacional de Saude (INSA) and Institute of Biomedicine (iBiMed), Universidade de Aveiro	Instituto Nacional de Saude (INSA) and Institute of Biomedicine (iBiMed), Universidade de Aveiro	Borges et al



EPI_ISL_1116688, EPI_ISL_1116689, EPI_ISL_1116690, EPI_ISL_1116691, EPI_ISL_1116692, EPI_ISL_1116693, EPI_ISL_1116696, EPI_ISL_1116697, EPI_ISL_1116698, EPI_ISL_1116699, EPI_ISL_1116700, EPI_ISL_1116701, EPI_ISL_1116702, EPI_ISL_1116718, EPI_ISL_1116719, EPI_ISL_1116738, EPI_ISL_1116741, EPI_ISL_1116742, EPI_ISL_1116743, EPI_ISL_1116750, EPI_ISL_1116756, EPI_ISL_1116776, EPI_ISL_1116780, EPI_ISL_1116781, EPI_ISL_1116782, EPI_ISL_1116784, EPI_ISL_1116785, EPI_ISL_1116786, EPI_ISL_1116787, EPI_ISL_1116789, EPI_ISL_1116790, EPI_ISL_1116796, EPI_ISL_1116798, EPI_ISL_1116799, EPI_ISL_1116800, EPI_ISL_1116801, EPI_ISL_1116802, EPI_ISL_1116803			
see above	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1116817, EPI_ISL_1116848	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_1116860, EPI_ISL_1116861	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1116862	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_1116865, EPI_ISL_1116867, EPI_ISL_1116869	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1116872, EPI_ISL_1116873, EPI_ISL_1116874, EPI_ISL_1116875	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_1116890, EPI_ISL_1116898, EPI_ISL_1116899, EPI_ISL_1116900, EPI_ISL_1116907, EPI_ISL_1116908, EPI_ISL_1116909, EPI_ISL_1116910, EPI_ISL_1116914, EPI_ISL_1116915	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1116949, EPI_ISL_1116958, EPI_ISL_1116964, EPI_ISL_1116981, EPI_ISL_1116983, EPI_ISL_1116987, EPI_ISL_1116990	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_1117011, EPI_ISL_1117013, EPI_ISL_1117015, EPI_ISL_1117017, EPI_ISL_1117020	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1117032	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_1117037, EPI_ISL_1117040, EPI_ISL_1117049	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1117721, EPI_ISL_1117746	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1117786	Center for Virology, Medical University of Vienna	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler
EPI_ISL_1117793	Institute for Water Quality and Resource Management, Technical University Vienna	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler
EPI_ISL_1117818, EPI_ISL_1117819	Center for Virology, Medical University of Vienna	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler
EPI_ISL_1117821	Department of Laboratory Medicine, Division of Clinical Virology, University of Medicine, Vienna	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler
EPI_ISL_1117837, EPI_ISL_1117889	Center for Virology, Medical University of Vienna	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Lukas Endler, Anna Schedl, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler
EPI_ISL_1118093, EPI_ISL_1118094, EPI_ISL_1118095, EPI_ISL_1118096, EPI_ISL_1118097, EPI_ISL_1118098	Dept. of Microbiology and Infection Control, Akershus University Hospital HF	Dept. of Microbiology and Infection Control, Akershus University Hospital HF	Hege Vangstein Aamot, Alexander Hesselberg Løvestad
EPI_ISL_1118381, EPI_ISL_1118382	Furst Medical Laboratory	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_1118383, EPI_ISL_1118384, EPI_ISL_1118385, EPI_ISL_1118386	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_1118387	Norwegian Institute of Public Health, Department of Virology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1118388	Furst Medical Laboratory	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_1118389, EPI_ISL_1118390	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_1118391	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_1118392	Norwegian Institute of Public Health, Department of Virology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1118393, EPI_ISL_1118394	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_1118395	Furst Medical Laboratory	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_1118396, EPI_ISL_1118412	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_1118419	Furst Medical Laboratory	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_1118933	National Institute of Health Research and Development	National Institute of Health Research and Development	Hana Apsari Pawestri, Subangkit, Kartika Dewi Puspa, Arie Ardiansyah Nugraha, Hartanti Dian Ikawati, Krisna Nur Andriana Pangesti, Yuni Rukminiati, Ririn Ramadhany, Agustiniingsih, Kindi Adam, Holy Arif Wibowo, Triyani Soekarso, Ni Ketut Susilarini, Nurika Hariastuti, Uily Alfi Nikmah, Reni Herman, Nike Susanti, Herna, Tati Febriyanti, Natalie Laurencia Kipuw, Fauzul Muna, Irene Lorinda Indalao, Nelly Puspandari, Vivi Setiawaty.
EPI_ISL_1121242, EPI_ISL_1121251	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1121587, EPI_ISL_1121602	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1123781, EPI_ISL_1123932, EPI_ISL_1123959, EPI_ISL_1124067, EPI_ISL_1124158, EPI_ISL_1124432, EPI_ISL_1124497, EPI_ISL_1124513, EPI_ISL_1124554, EPI_ISL_1124577, EPI_ISL_1124594, EPI_ISL_1124654, EPI_ISL_1124700, EPI_ISL_1124709, EPI_ISL_1124792, EPI_ISL_1124894, EPI_ISL_1124923,			

EPI_ISL_1124999, EPI_ISL_1125028, EPI_ISL_1125088, EPI_ISL_1125196, EPI_ISL_1125204, EPI_ISL_1125242, EPI_ISL_1125295, EPI_ISL_1125354, EPI_ISL_1125457, EPI_ISL_1125500, EPI_ISL_1125539, EPI_ISL_1125557, EPI_ISL_1125612, EPI_ISL_1125653, EPI_ISL_1125704, EPI_ISL_1125706, EPI_ISL_1125718, EPI_ISL_1125776, EPI_ISL_1125789, EPI_ISL_1125883, EPI_ISL_1125885, EPI_ISL_1125915, EPI_ISL_1125934, EPI_ISL_1125941, EPI_ISL_1126012, EPI_ISL_1126031, EPI_ISL_1126073, EPI_ISL_1126090, EPI_ISL_1126110, EPI_ISL_1126117, EPI_ISL_1126121, EPI_ISL_1126157, EPI_ISL_1126179, EPI_ISL_1126213, EPI_ISL_1126214, EPI_ISL_1126330, EPI_ISL_1126336, EPI_ISL_1126384, EPI_ISL_1126401, EPI_ISL_1126461, EPI_ISL_1126469, EPI_ISL_1126481, EPI_ISL_1126546, EPI_ISL_1126581, EPI_ISL_1126587, EPI_ISL_1126600, EPI_ISL_1126678, EPI_ISL_1126698, EPI_ISL_1126702, EPI_ISL_1126826, EPI_ISL_1126873, EPI_ISL_1126926, EPI_ISL_1126936, EPI_ISL_1126998, EPI_ISL_1127006, EPI_ISL_1127020, EPI_ISL_1127029			
see above	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Aalborg University	Danish Covid-19 Genome Consortium
EPI_ISL_1129309	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_1129455, EPI_ISL_1129456	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1129485	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_1129556	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1129563	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_1129622	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1129664	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_1129672, EPI_ISL_1129711	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1129752, EPI_ISL_1129760, EPI_ISL_1129849, EPI_ISL_1129852, EPI_ISL_1129855, EPI_ISL_1129856, EPI_ISL_1129857, EPI_ISL_1129859, EPI_ISL_1129862, EPI_ISL_1129891, EPI_ISL_1129916, EPI_ISL_1129926, EPI_ISL_1129928, EPI_ISL_1129932, EPI_ISL_1129956, EPI_ISL_1129959, EPI_ISL_1129990, EPI_ISL_1129993, EPI_ISL_1130017			
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_1130028	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermitzakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1130068, EPI_ISL_1130089, EPI_ISL_1130177, EPI_ISL_1130197, EPI_ISL_1130288, EPI_ISL_1130310, EPI_ISL_1130324, EPI_ISL_1130487, EPI_ISL_1130566, EPI_ISL_1130567, EPI_ISL_1130568, EPI_ISL_1130569, EPI_ISL_1130623, EPI_ISL_1130991, EPI_ISL_1131093			
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_1132143, EPI_ISL_1132191, EPI_ISL_1132196, EPI_ISL_1132197	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_1132368, EPI_ISL_1132374, EPI_ISL_1132376, EPI_ISL_1132380, EPI_ISL_1132383, EPI_ISL_1132384, EPI_ISL_1132387, EPI_ISL_1132389, EPI_ISL_1132392, EPI_ISL_1132394, EPI_ISL_1132395, EPI_ISL_1132396, EPI_ISL_1132397, EPI_ISL_1132398, EPI_ISL_1132399, EPI_ISL_1132400, EPI_ISL_1132401, EPI_ISL_1132402, EPI_ISL_1132403, EPI_ISL_1132404, EPI_ISL_1132405, EPI_ISL_1132406, EPI_ISL_1132407, EPI_ISL_1132408, EPI_ISL_1132409, EPI_ISL_1132411, EPI_ISL_1132412, EPI_ISL_1132413, EPI_ISL_1132414, EPI_ISL_1132415, EPI_ISL_1132416, EPI_ISL_1132417, EPI_ISL_1132418, EPI_ISL_1132419, EPI_ISL_1132420, EPI_ISL_1132421, EPI_ISL_1132422, EPI_ISL_1132423, EPI_ISL_1132424, EPI_ISL_1132425, EPI_ISL_1132426, EPI_ISL_1132427, EPI_ISL_1132428, EPI_ISL_1132429, EPI_ISL_1132430, EPI_ISL_1132431, EPI_ISL_1132433, EPI_ISL_1132434, EPI_ISL_1132436, EPI_ISL_1132437, EPI_ISL_1132438, EPI_ISL_1132439, EPI_ISL_1132440, EPI_ISL_1132441, EPI_ISL_1132442, EPI_ISL_1132443, EPI_ISL_1132444, EPI_ISL_1132445, EPI_ISL_1132446, EPI_ISL_1132447, EPI_ISL_1132448, EPI_ISL_1132449, EPI_ISL_1132450, EPI_ISL_1132451, EPI_ISL_1132452, EPI_ISL_1132453, EPI_ISL_1132454, EPI_ISL_1132455, EPI_ISL_1132456, EPI_ISL_1132457, EPI_ISL_1132458, EPI_ISL_1132459, EPI_ISL_1132460, EPI_ISL_1132461, EPI_ISL_1132462, EPI_ISL_1132463, EPI_ISL_1132464, EPI_ISL_1132465, EPI_ISL_1132466, EPI_ISL_1132467, EPI_ISL_1132468, EPI_ISL_1132469, EPI_ISL_1132470, EPI_ISL_1132471, EPI_ISL_1132472, EPI_ISL_1132473, EPI_ISL_1132474, EPI_ISL_1132475, EPI_ISL_1132476, EPI_ISL_1132477, EPI_ISL_1132478, EPI_ISL_1132479, EPI_ISL_1132480, EPI_ISL_1132481, EPI_ISL_1132482, EPI_ISL_1132483, EPI_ISL_1132484, EPI_ISL_1132485, EPI_ISL_1132486, EPI_ISL_1132487, EPI_ISL_1132488, EPI_ISL_1132489, EPI_ISL_1132490, EPI_ISL_1132491, EPI_ISL_1132492, EPI_ISL_1132493, EPI_ISL_1132494, EPI_ISL_1132504, EPI_ISL_1132505, EPI_ISL_1132506, EPI_ISL_1132507, EPI_ISL_1132508, EPI_ISL_1132509, EPI_ISL_1132510, EPI_ISL_1132511, EPI_ISL_1132512, EPI_ISL_1132513, EPI_ISL_1132514, EPI_ISL_1132515, EPI_ISL_1132516, EPI_ISL_1132517, EPI_ISL_1132518, EPI_ISL_1132519, EPI_ISL_1132520, EPI_ISL_1132521, EPI_ISL_1132522, EPI_ISL_1132523, EPI_ISL_1132528, EPI_ISL_1132529, EPI_ISL_1132530, EPI_ISL_1132531, EPI_ISL_1132532, EPI_ISL_1132533, EPI_ISL_1132534, EPI_ISL_1132535, EPI_ISL_1132536, EPI_ISL_1132537, EPI_ISL_1132538, EPI_ISL_1132539, EPI_ISL_1132540, EPI_ISL_1132541, EPI_ISL_1132542, EPI_ISL_1132543, EPI_ISL_1132544, EPI_ISL_1132545, EPI_ISL_1132546, EPI_ISL_1132547, EPI_ISL_1132548, EPI_ISL_1132549, EPI_ISL_1132550, EPI_ISL_1132551, EPI_ISL_1132552, EPI_ISL_1132553, EPI_ISL_1132554, EPI_ISL_1132555, EPI_ISL_1132556, EPI_ISL_1132557, EPI_ISL_1132558, EPI_ISL_1132559, EPI_ISL_1132560, EPI_ISL_1132561, EPI_ISL_1132562, EPI_ISL_1132563, EPI_ISL_1132564, EPI_ISL_1132565, EPI_ISL_1132566, EPI_ISL_1132567, EPI_ISL_1132568, EPI_ISL_1132569, EPI_ISL_1132570, EPI_ISL_1132571, EPI_ISL_1132572, EPI_ISL_1132573, EPI_ISL_1132574, EPI_ISL_1132575, EPI_ISL_1132585, EPI_ISL_1132586, EPI_ISL_1132587, EPI_ISL_1132588, EPI_ISL_1132589, EPI_ISL_1132590, EPI_ISL_1132591, EPI_ISL_1132592, EPI_ISL_1132593, EPI_ISL_1132594, EPI_ISL_1132595, EPI_ISL_1132599, EPI_ISL_1132600, EPI_ISL_1132601, EPI_ISL_1132602, EPI_ISL_1132603, EPI_ISL_1132605, EPI_ISL_1132607, EPI_ISL_1132608, EPI_ISL_1132622, EPI_ISL_1132623, EPI_ISL_1132624, EPI_ISL_1132625, EPI_ISL_1132626			
see above	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1132797, EPI_ISL_1132798, EPI_ISL_1132804, EPI_ISL_1132805, EPI_ISL_1132806	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1132815	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1135040	24530 AU SERVICE ACCUEIL MEDICAL UPATOU	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_1135041	21551 AU ACCUEIL URGENCES MEDICALES N	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_1135042	36313 AU SAU URGENCES	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_1135043	24530 AU SERVICE ACCUEIL MEDICAL UPATOU	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_1135044	21625 HJ PATHO OSS RHUMATO CLIMA PAV F	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_1135053	CENTRE HOSPITALIER LUCIEN HUSSEL	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_1135054, EPI_ISL_1135055, EPI_ISL_1135067, EPI_ISL_1135074	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_1140070	General Hospital - Prilep	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_1144140, EPI_ISL_1144141,	MVZ Labor Krone Gbr	Robert Koch Institute	unknown

EPI_ISL_1144143			
EPI_ISL_1145063	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1145120	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1145129	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1145154	Bioscientia MVZ Labor Karlsruhe GmbH	Robert Koch Institute	unknown
EPI_ISL_1145206, EPI_ISL_1145207, EPI_ISL_1145209, EPI_ISL_1145210	Uniklinikum Regensburg; Institut für Mikrobiologie	Robert Koch Institute	unknown
EPI_ISL_1145425, EPI_ISL_1145428, EPI_ISL_1145445	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145677, EPI_ISL_1145682	Dianovis GmbH Greiz	Robert Koch Institute	unknown
EPI_ISL_1146078, EPI_ISL_1146116	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1146207	amedes MVZ Hannover	Robert Koch Institute	unknown
EPI_ISL_1146721	IMD Labor Frankfurt	Robert Koch Institute	unknown
EPI_ISL_1147167, EPI_ISL_1147181	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1147191	Universitätsklinikum Essen	Robert Koch Institute	unknown
EPI_ISL_1147202, EPI_ISL_1147203, EPI_ISL_1147205, EPI_ISL_1147206, EPI_ISL_1147223, EPI_ISL_1147225, EPI_ISL_1147228, EPI_ISL_1147238	MVZ Labor Dr. Fenner und Kollegen (Standort Hamburg)	Robert Koch Institute	unknown
EPI_ISL_1147258	MVZ Dr. Eberhard & Partner Dortmund	Robert Koch Institute	unknown
EPI_ISL_1147361	MVZ Labor Dr. Quade & Kollegen GmbH	Robert Koch Institute	unknown
EPI_ISL_1147553	Uniklinikum Carl Gustav Carus an der TU Dresden; Institut für Virologie	Robert Koch Institute	unknown
EPI_ISL_1147718, EPI_ISL_1147720	amedes MVZ Hannover	Robert Koch Institute	unknown
EPI_ISL_1147726	Dianovis GmbH Greiz	Robert Koch Institute	unknown
EPI_ISL_1147971, EPI_ISL_1147972	Labormedizin Darmstadt	Robert Koch Institute	unknown
EPI_ISL_1148179, EPI_ISL_1148204, EPI_ISL_1148260, EPI_ISL_1148294	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1148306	Sonic - Labor Staber MVZ Kassel	Robert Koch Institute	unknown
EPI_ISL_1148313, EPI_ISL_1148326, EPI_ISL_1148351, EPI_ISL_1148375, EPI_ISL_1148399, EPI_ISL_1148439	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1148461	Uniklinikum Regensburg; Institut für Mikrobiologie	Robert Koch Institute	unknown
EPI_ISL_1148471, EPI_ISL_1148482, EPI_ISL_1148485, EPI_ISL_1148491, EPI_ISL_1148497, EPI_ISL_1148502	Klinikum der Stadt Ludwigshafen - Institut für Labordiagnostik Hygiene und Transfusionsmedizin	Robert Koch Institute	unknown
EPI_ISL_1148746, EPI_ISL_1148749, EPI_ISL_1148761, EPI_ISL_1148882	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1148887	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1148890, EPI_ISL_1148902, EPI_ISL_1148910, EPI_ISL_1148972	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1149010	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1149013	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1149015, EPI_ISL_1149018	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1149027	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1149049	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1149065	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1149066	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1149327	amedes MVZ DIAMEDIS Sennestadt	Robert Koch Institute	unknown
EPI_ISL_1149329	amedes MVZ für Labordiagnostik Rhein-Main	Robert Koch Institute	unknown
EPI_ISL_1149379, EPI_ISL_1149395	amedes MVZ Hannover	Robert Koch Institute	unknown
EPI_ISL_1149481	amedes MVZ Halle/Leipzig	Robert Koch Institute	unknown
EPI_ISL_1149502	amedes MVZ Hannover	Robert Koch Institute	unknown
EPI_ISL_1150292	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1150714, EPI_ISL_1150716, EPI_ISL_1150731, EPI_ISL_1150742, EPI_ISL_1150746, EPI_ISL_1150755, EPI_ISL_1150764, EPI_ISL_1150770, EPI_ISL_1150798, EPI_ISL_1150799, EPI_ISL_1150805, EPI_ISL_1150819, EPI_ISL_1150839, EPI_ISL_1150840, EPI_ISL_1150842, EPI_ISL_1150845, EPI_ISL_1150851, EPI_ISL_1150860, EPI_ISL_1150872, EPI_ISL_1150898, EPI_ISL_1150903, EPI_ISL_1150914, EPI_ISL_1150915, EPI_ISL_1150919, EPI_ISL_1150921, EPI_ISL_1150923, EPI_ISL_1150933, EPI_ISL_1150940, EPI_ISL_1150952, EPI_ISL_1150955, EPI_ISL_1150957, EPI_ISL_1150970, EPI_ISL_1150976, EPI_ISL_1150994, EPI_ISL_1151011, EPI_ISL_1151019, EPI_ISL_1151022, EPI_ISL_1151027, EPI_ISL_1151037, EPI_ISL_1151042, EPI_ISL_1151047, EPI_ISL_1151048, EPI_ISL_1151049, EPI_ISL_1151102, EPI_ISL_1151112, EPI_ISL_1151130, EPI_ISL_1151134, EPI_ISL_1151214, EPI_ISL_1151219, EPI_ISL_1151230, EPI_ISL_1151237, EPI_ISL_1151268, EPI_ISL_1151270, EPI_ISL_1151281, EPI_ISL_1151312			
see above	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1151944	IMD - Medizinisches Labor Rostock	Robert Koch Institute	unknown
EPI_ISL_1151966, EPI_ISL_1151970	IMD - Institut für Medizinische Diagnostik Berlin-Potsdam	Robert Koch Institute	unknown
EPI_ISL_1151999	Limbach - MVZ Humangenetik Ulm	Robert Koch Institute	unknown
EPI_ISL_1152715	SYNLAB MVZ Ettlingen	Robert Koch Institute	unknown
EPI_ISL_1152786, EPI_ISL_1152821	SYNLAB MVZ Hamburg	Robert Koch Institute	unknown

EPI_ISL_1153402, EPI_ISL_1153408, EPI_ISL_1153419	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1153443	Limbach - MVZ Labor Eveld & Kollegen Essen	Robert Koch Institute	unknown
EPI_ISL_1153673, EPI_ISL_1153683, EPI_ISL_1153698, EPI_ISL_1153704, EPI_ISL_1153715, EPI_ISL_1153717, EPI_ISL_1153924, EPI_ISL_1153928	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1153975	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1154012	Limbach - MVZ Labor Eveld & Kollegen Essen	Robert Koch Institute	unknown
EPI_ISL_1154036	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1154040	MVZ Labor Dr. Reising-Ackermann und Kollegen	Robert Koch Institute	unknown
EPI_ISL_1154805	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1154809	Sonic - Bioscientia - MVZ Labor Saar GmbH	Robert Koch Institute	unknown
EPI_ISL_1154811	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1154813	Sonic - Bioscientia - MVZ Labor Saar GmbH	Robert Koch Institute	unknown
EPI_ISL_1154815	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1154946	Labor Dr. Schumacher MVZ	Robert Koch Institute	unknown
EPI_ISL_1154962, EPI_ISL_1154965, EPI_ISL_1154986	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1155008	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155010	Sonic - Bioscientia - MVZ Labor Saar GmbH	Robert Koch Institute	unknown
EPI_ISL_1155047, EPI_ISL_1155067, EPI_ISL_1155078, EPI_ISL_1155106, EPI_ISL_1155135	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1155158	MVZ Labor Dr. Limbach & Kollegen GbR	Robert Koch Institute	unknown
EPI_ISL_1155167	MVZ Labor Dr. Reising-Ackermann und Kollegen	Robert Koch Institute	unknown
EPI_ISL_1155201	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute	unknown
EPI_ISL_1155433	Universitätsklinikum Bonn - Institut für Medizinische Mikrobiologie Immunologie und Parasitologie + Institut für Virologie	Robert Koch Institute	unknown
EPI_ISL_1155559	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute	unknown
EPI_ISL_1156620	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1156766	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1157297	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1158040, EPI_ISL_1158171, EPI_ISL_1158242, EPI_ISL_1158378, EPI_ISL_1158379, EPI_ISL_1158380, EPI_ISL_1158441, EPI_ISL_1158442, EPI_ISL_1158458, EPI_ISL_1158472, EPI_ISL_1158482			
see above	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlén MK
EPI_ISL_1158726, EPI_ISL_1158727, EPI_ISL_1158735, EPI_ISL_1158739, EPI_ISL_1158741, EPI_ISL_1158760, EPI_ISL_1158766	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_1159366, EPI_ISL_1159367, EPI_ISL_1159368, EPI_ISL_1159369, EPI_ISL_1159371	ZOTZ KLIMAS MVZ Düsseldorf-Centrum GbR ÜBAG für Labormedizin, Genetik, Zytologie, Pathologie	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Maximilian Damagnez;Alexander Diltthey;Patrick Finzer;Katrin Hoffmann;Torsten Houwaart;Lisanna Hülse;Malte Kohns Vasconcelos;Nadine Lübke;Jessica Nicolai;Klaus Pfeffer;Daniel Strelow;Jörg Timm;Andreas Walker;Tobias Wienemann;Rainer Zotz
EPI_ISL_1159706	Atlas Genomics	Atlas Genomics	Michael Kalnoski, MD
EPI_ISL_1163531	Plateforme de testing Namuroise	Plateforme de testing Namuroise	Otto Gaetan ; Denis Olivier ; Degosserie Jonathan ; Mullier François
EPI_ISL_1163674	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Mallery Breban, Anne Wyllie, Chantal Vogels, Mary Petrone, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_1163798	Università degli Studi di Perugia	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Mencacci A., Camilloni B., 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_1164041, EPI_ISL_1164042, EPI_ISL_1164120, EPI_ISL_1164122, EPI_ISL_1164123, EPI_ISL_1164124, EPI_ISL_1164125	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1164787	Idaho Bureau of Laboratories	IBL	"R. Beukelman, Matthew C. Burns, Aimee Ceniseros, Robert L. Voermans, Christopher Ball"
EPI_ISL_1165002, EPI_ISL_1165003, EPI_ISL_1165038, EPI_ISL_1165040, EPI_ISL_1165051, EPI_ISL_1165061	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_1165203, EPI_ISL_1165310, EPI_ISL_1165314, EPI_ISL_1165317, EPI_ISL_1165319, EPI_ISL_1165320, EPI_ISL_1165407, EPI_ISL_1165475, EPI_ISL_1165502, EPI_ISL_1165504	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_1165815	I.F.A.C. Hopital Princesse Paola	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_1165834, EPI_ISL_1165849, EPI_ISL_1165852, EPI_ISL_1165855	Centre Hospitalier de l'Ardenne	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_1166534 EPI_ISL_1168051	National Virus Reference Laboratory A05	National Virus Reference Laboratory The Public Health Agency of Sweden	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun 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_1168312, EPI_ISL_1168314, EPI_ISL_1168318 EPI_ISL_1169684	Academic Center for Pathomorphological and Genetic-Molecular Diagnostics ltd, Bialystok, Poland Colorado Department of Public Health and Environment	Academic Center for Pathomorphological and Genetic-Molecular Diagnostics ltd, Bialystok, Poland Colorado Department of Public Health and Environment	Radoslaw Charkiewicz, Przemyslaw Biecek, Jacek Nikliski, Joanna Resze Laura Bankers, Molly C. Hetherington-Rauth, Diana Ir, Shannon Ely, Shannon R. Matzinger, Sarah Elizabeth Totten, Emily A. Travanty
EPI_ISL_1170211, EPI_ISL_1170212, EPI_ISL_1170213	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA) and Institute of Biomedicine (iBiMed), Universidade de Aveiro	Borges et al
EPI_ISL_1170214, EPI_ISL_1170215, EPI_ISL_1170216, EPI_ISL_1170217, EPI_ISL_1170218, EPI_ISL_1170219, EPI_ISL_1170220, EPI_ISL_1170221, EPI_ISL_1170222 EPI_ISL_1170224	Instituto Nacional de Saude (INSA)  Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al  Borges et al
EPI_ISL_1170225, EPI_ISL_1170226, EPI_ISL_1170227 EPI_ISL_1170228	Instituto Nacional de Saude (INSA)  Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)  Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al  Borges et al
EPI_ISL_1170229, EPI_ISL_1170230 EPI_ISL_1171526	Instituto Nacional de Saude (INSA) Cliniques Cud-Luxembourg	Instituto Nacional de Saude (INSA) GIGA Medical Genomics	Borges et al Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1176660, EPI_ISL_1176698	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_1177618, EPI_ISL_1177619, EPI_ISL_1177620  EPI_ISL_1177714	University of Birmingham  Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium  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 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_1177895, EPI_ISL_1177896	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 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 Oleteju, 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_1177991, EPI_ISL_1177992, EPI_ISL_1177993 EPI_ISL_1178169, EPI_ISL_1178170	Barts Health NHS Trust  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  COVID-19 Genomics UK (COG-UK) Consortium	CUTINO-MOGUEL, Maria-Teresa; HARRINGTON, David; OWOYEMI, Dola; KULASEGARAN-SHYLINI, Raghavendran; BROAD, Claire; KELE, Beatrix 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_1178593, EPI_ISL_1178594, EPI_ISL_1178595, EPI_ISL_1178596, EPI_ISL_1178597, EPI_ISL_1178598, EPI_ISL_1178599	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1178712, EPI_ISL_1178719, EPI_ISL_1178722, EPI_ISL_1178756, EPI_ISL_1178769, EPI_ISL_1178784, EPI_ISL_1178796, EPI_ISL_1178817, EPI_ISL_1178820, EPI_ISL_1178824, EPI_ISL_1178825, EPI_ISL_1178832, EPI_ISL_1178833, EPI_ISL_1178836, EPI_ISL_1178843, EPI_ISL_1178845, EPI_ISL_1178851, EPI_ISL_1178861			
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EPI_ISL_1178928, EPI_ISL_1179148, EPI_ISL_1179149, EPI_ISL_1179210, EPI_ISL_1179211, EPI_ISL_1179212, EPI_ISL_1179213, EPI_ISL_1179214, EPI_ISL_1179215, EPI_ISL_1179216, EPI_ISL_1179217, EPI_ISL_1179218, EPI_ISL_1179219, EPI_ISL_1179221, EPI_ISL_1179222, EPI_ISL_1179225, EPI_ISL_1179226, EPI_ISL_1179227, EPI_ISL_1179239, EPI_ISL_1179242, EPI_ISL_1179247, EPI_ISL_1179248, EPI_ISL_1179253, EPI_ISL_1179254, EPI_ISL_1179260, EPI_ISL_1179269, EPI_ISL_1179300, EPI_ISL_1179323, EPI_ISL_1179325, EPI_ISL_1179326, EPI_ISL_1179327, EPI_ISL_1179333, EPI_ISL_1179373			
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EPI_ISL_1179802, EPI_ISL_1179804, EPI_ISL_1179806, EPI_ISL_1179808, EPI_ISL_1179809, EPI_ISL_1179811	Clinica Universidad de Navarra. Servicio de Enfermedades Infecciosas y Microbiología clínica	SeqCOVID-SPAIN consortium/IBV(CSIC)	Mirian Fernández-Alonso, Jose Luis del Pozo and SeqCOVID-SPAIN consortium
EPI_ISL_1180154, EPI_ISL_1180155, EPI_ISL_1180159	Laboratory of virology and molecular diagnostics	Laboratory of virology and molecular diagnostics	Kuzmanovska Maja, Boshevskaa Golubinka, Elizabeta Janchevska
EPI_ISL_1180281, EPI_ISL_1180282, EPI_ISL_1180285, EPI_ISL_1180286, EPI_ISL_1180288, EPI_ISL_1180292, EPI_ISL_1180293, EPI_ISL_1180294, EPI_ISL_1180297, EPI_ISL_1180298, EPI_ISL_1180301, EPI_ISL_1180302, EPI_ISL_1180303, EPI_ISL_1180304, EPI_ISL_1180305, EPI_ISL_1180306, EPI_ISL_1180307, EPI_ISL_1180308, EPI_ISL_1180312, EPI_ISL_1180313, EPI_ISL_1180316, EPI_ISL_1180317, EPI_ISL_1180319, EPI_ISL_1180320, EPI_ISL_1180322, EPI_ISL_1180323, EPI_ISL_1180324, EPI_ISL_1180325, EPI_ISL_1180327, EPI_ISL_1180328, EPI_ISL_1180329, EPI_ISL_1180330, EPI_ISL_1180331, EPI_ISL_1180332, EPI_ISL_1180333, EPI_ISL_1180334, EPI_ISL_1180335, EPI_ISL_1180336, EPI_ISL_1180337, EPI_ISL_1180338, EPI_ISL_1180339, EPI_ISL_1180342, EPI_ISL_1180343, EPI_ISL_1180344			
see above	National Virus Reference Laboratory	National Virus Reference Laboratory	Guerrino Macorì, Gabriel Gonzalez, Michael Carr, Zoe Yandle, Charlene Bennett, Jonathan Dean, Seamus Fanning, Cillian F De Gascun
EPI_ISL_1180394, EPI_ISL_1180395, EPI_ISL_1180397, EPI_ISL_1180403, EPI_ISL_1180404	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennett, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1180508, EPI_ISL_1180511, EPI_ISL_1180513, EPI_ISL_1180515, EPI_ISL_1180517, EPI_ISL_1180518, EPI_ISL_1180520, EPI_ISL_1180522, EPI_ISL_1180524, EPI_ISL_1180526, EPI_ISL_1180528, EPI_ISL_1180530, EPI_ISL_1180532, EPI_ISL_1180534, EPI_ISL_1180539, EPI_ISL_1180542, EPI_ISL_1180544, EPI_ISL_1180546, EPI_ISL_1180547, EPI_ISL_1180549, EPI_ISL_1180550, EPI_ISL_1180551, EPI_ISL_1180552, EPI_ISL_1180554, EPI_ISL_1180555, EPI_ISL_1180556, EPI_ISL_1180558, EPI_ISL_1180559, EPI_ISL_1180561, EPI_ISL_1180562, EPI_ISL_1180563, EPI_ISL_1180564, EPI_ISL_1180565, EPI_ISL_1180566, EPI_ISL_1180567, EPI_ISL_1180568, EPI_ISL_1180569, EPI_ISL_1180570, EPI_ISL_1180571, EPI_ISL_1180572, EPI_ISL_1180573, EPI_ISL_1180574, EPI_ISL_1180575, EPI_ISL_1180576, EPI_ISL_1180577, EPI_ISL_1180578			
see above	National Virus Reference Laboratory	National Virus Reference Laboratory	Guerrino Macorì, Gabriel Gonzalez, Michael Carr, Zoe Yandle, Charlene Bennett, Jonathan Dean, Seamus Fanning, Cillian F De Gascun
EPI_ISL_1180753, EPI_ISL_1180756, EPI_ISL_1180757, EPI_ISL_1180758, EPI_ISL_1180765, EPI_ISL_1180766, EPI_ISL_1180767, EPI_ISL_1180769, EPI_ISL_1180770, EPI_ISL_1180771, EPI_ISL_1180779, EPI_ISL_1180780, EPI_ISL_1180781, EPI_ISL_1180810, EPI_ISL_1180812, EPI_ISL_1180813, EPI_ISL_1180819, EPI_ISL_1180820, EPI_ISL_1180821, EPI_ISL_1180823			
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EPI_ISL_1180900, EPI_ISL_1180907	Department of Microbiology, University Innsbruck	Medicine of the Austrian Academy of Sciences Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Senekowitsch, Christoph Bock, Andreas Bergthaler Lukas Endler, Anna Schedl, Fabian Amman, Thomas Penz, Benedikt Agerer, Maelle Le Moing, Michael Schuster, Bekir Erguner, Jan Laine, Martin Senekowitsch, Christoph Bock, Andreas Bergthaler
EPI_ISL_1181127, EPI_ISL_1181128, EPI_ISL_1181129, EPI_ISL_1181131, EPI_ISL_1181138, EPI_ISL_1181142, EPI_ISL_1181155, EPI_ISL_1181159, EPI_ISL_1181161, EPI_ISL_1181162	genXone SA, Molecular Diagnostics Laboratory / NZOZ	genXone SA, Research & Development Laboratory	Maciej Sykulski, Grzegorz Nowicki, Jakub Grabowski, Natalia Drweska-Matelska, Anna Brylak-Blaszkow, Aleksandra Gidlewicz, Karol Szeszko, Lukasz Krych, Michal Kaszuba
EPI_ISL_1182031, EPI_ISL_1182032, EPI_ISL_1182033, EPI_ISL_1182034, EPI_ISL_1182035, EPI_ISL_1182036, EPI_ISL_1182037, EPI_ISL_1182039, EPI_ISL_1182040, EPI_ISL_1182041	Tempus	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, Matthew J. MacKay, Gaurav Khullar, Jessica Metti, Joel T. Dudley, Megan Nash, Nike Beaubier, Christopher E. Mason, Nathan Grubaugh
EPI_ISL_1184080, EPI_ISL_1184083	Arizona State University	Arizona State University	Rabia Maqsood, LaRinda A. Holland, Peter T. Skidmore, Emily A. Kaelin, Nicholas J. Mellor, Kristina Buss, Joy M. Blain, Neal W Woodbury, Valerie Harris, Joshua LaBaer, Vel Murugan, Efrem S. Lim
EPI_ISL_1184186	Indiana Animal Disease Diagnostic Laboratory	Carpi Laboratory - Purdue University	Jack Dorman, Ilinca I Ciubotariu, Lev Gorenstein, Abebe A Fola, G Kenitra Hendrix, Rebecca P Wilkes, Giovanna Carpi
EPI_ISL_1185774	Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Alen Sulji, Samo Zakotnik, Tomaž Mark Zorec, Matic Brvar, Doroteja Vlaj, Andrej Celar, Dominika Šturm, Patricija Pozvek, Špela Pleh, Miša Korva, Mario Poljak, Tatjana Avši - Županc
EPI_ISL_1185966, EPI_ISL_1185968, EPI_ISL_1185979, EPI_ISL_1185983, EPI_ISL_1185987, EPI_ISL_1185990	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_1186074	Unilabs Laboratory Medicine	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_1186138	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_1187055, EPI_ISL_1187058, EPI_ISL_1187065, EPI_ISL_1187070, EPI_ISL_1187071, EPI_ISL_1187083, EPI_ISL_1187084, EPI_ISL_1187106, EPI_ISL_1187107, EPI_ISL_1187108, EPI_ISL_1187109, EPI_ISL_1187111, EPI_ISL_1187112, EPI_ISL_1187121, EPI_ISL_1187122, EPI_ISL_1187126, EPI_ISL_1187132, EPI_ISL_1187138, EPI_ISL_1187152, EPI_ISL_1187153, EPI_ISL_1187158, EPI_ISL_1187159, EPI_ISL_1187164, EPI_ISL_1187167, EPI_ISL_1187173, EPI_ISL_1187182, EPI_ISL_1187185, EPI_ISL_1187187, EPI_ISL_1187200, EPI_ISL_1187202, EPI_ISL_1187205, EPI_ISL_1187208, EPI_ISL_1187222, EPI_ISL_1187224, EPI_ISL_1187235, EPI_ISL_1187236, EPI_ISL_1187241, EPI_ISL_1187243, EPI_ISL_1187246, EPI_ISL_1187249	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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EPI_ISL_1190879	Klinisk mikrobiologi	The Public Health Agency of Sweden	Borges et al
EPI_ISL_1191075, EPI_ISL_1191076, EPI_ISL_1191077, EPI_ISL_1191078, EPI_ISL_1191079	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	
EPI_ISL_1191081	AZ St.Jan Brugge	AZ SINT-JAN BRUGGE	Marijke Reynders, Patrick Descheemaeker, Laurien Hoornaert, Thomas Van Landschoot, Jorn Hellemans
EPI_ISL_1191486, EPI_ISL_1191491, EPI_ISL_1191501, EPI_ISL_1191503, EPI_ISL_1191505	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_1191634, EPI_ISL_1191636, EPI_ISL_1191637, EPI_ISL_1191640, EPI_ISL_1191641	BIOMNIS LYON	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_1191645	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_1191648, EPI_ISL_1191650, EPI_ISL_1191653, EPI_ISL_1191654, EPI_ISL_1191655, EPI_ISL_1191656, EPI_ISL_1191657, EPI_ISL_1191658, EPI_ISL_1191660, EPI_ISL_1191662, EPI_ISL_1191667, EPI_ISL_1191668, EPI_ISL_1191669	BIOMNIS LYON	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolynne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
see above	BIOMNIS LYON	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_1191683	INSTITUT BERGONIE	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_1191688, EPI_ISL_1191689, EPI_ISL_1191690, EPI_ISL_1191691, EPI_ISL_1191692, EPI_ISL_1191693, EPI_ISL_1191695, EPI_ISL_1191697, EPI_ISL_1191698, EPI_ISL_1191699	BIOMNIS LYON	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_1191747, EPI_ISL_1191752, EPI_ISL_1191753	Laboratory of virology and molecular diagnostics	Laboratory of virology and molecular diagnostics	Kuzmanovska Maja, Boshevskia Golubinka, Janchevska Elizabeta
EPI_ISL_1192187	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_1192195	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_1192204	Department of Medical Microbiology, St. Olavs hospital	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1192207	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_1193325, EPI_ISL_1193340, EPI_ISL_1193341, EPI_ISL_1193342, EPI_ISL_1193356, EPI_ISL_1193359, EPI_ISL_1193371	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 Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1194418, EPI_ISL_1194420, EPI_ISL_1194421, EPI_ISL_1194422, EPI_ISL_1194423, EPI_ISL_1194424, EPI_ISL_1194425, EPI_ISL_1194426, EPI_ISL_1194427, EPI_ISL_1194429, EPI_ISL_1194430, EPI_ISL_1194432, EPI_ISL_1194433, EPI_ISL_1194434, EPI_ISL_1194435, EPI_ISL_1194438, EPI_ISL_1194439, EPI_ISL_1194441, EPI_ISL_1194457, EPI_ISL_1194461, EPI_ISL_1194462, EPI_ISL_1194465, EPI_ISL_1194467	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. V. Owlen, P. Tanpaiboon, F. Lacabava, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	

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EPI_ISL_1195198, EPI_ISL_1195199	National Public Health Center, COVID Laboratory	National Public Health Center, National Biosafety Laboratory	Bernadett Pályi, Zoltán Kis, Nóra Magyar, Judit Henczkó, Dániel Déri, Norbert Solymosi	
EPI_ISL_1195373, EPI_ISL_1195375	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_1195693, EPI_ISL_1195694, EPI_ISL_1195695	Public Health Institute of Osijek-Baranja County	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak	
EPI_ISL_1195698, EPI_ISL_1195699	University Hospital Centre Osijek	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak	
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EPI_ISL_1196873, EPI_ISL_1196874, EPI_ISL_1196875, EPI_ISL_1196876, EPI_ISL_1196881	LA Office of Public Health Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Brian Lynch, Anna Kelleher, Krista Queen, Anna Uehara, Peter Cook, Han Jia Justin Ng, Clinton R. Paden, Haibin Wang, Suixiang Tong	
EPI_ISL_1197040	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy; Azienda Sanitaria Locale TO5, Torino, Italy	Istituto Superiore di Sanità (ISS)	Paola Stefanelli, Angela Di Martino, Alessandra Lo Presti, Stefano Fiore, Alessandra Allocco, Cagnoli Claudia, Manuela Marra, Maria Carollo, Marco Crescenzi	
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EPI_ISL_1211140	Labor Dr. Schumacher MVZ	Robert Koch Institute	unknown	
EPI_ISL_1211922	Labor ZOTZ KLIMAS; MVZ Düsseldorf-Centrum	Robert Koch Institute	unknown	
EPI_ISL_1211947, EPI_ISL_1211948	Philipps-Universität Marburg Fachbereich Medizin Institut für Virologie	Robert Koch Institute	unknown	
EPI_ISL_1211949, EPI_ISL_1211950, EPI_ISL_1211951	Universitätsklinikum Gießen - Institut für Medizinische Virologie	Robert Koch Institute	unknown	
EPI_ISL_1211952	Philipps-Universität Marburg Fachbereich Medizin Institut für Virologie	Robert Koch Institute	unknown	
EPI_ISL_1211954	Universitätsklinikum Gießen - Institut für Medizinische Virologie	Robert Koch Institute	unknown	
EPI_ISL_1214421, EPI_ISL_1214423, EPI_ISL_1214424, EPI_ISL_1214501, EPI_ISL_1214503, EPI_ISL_1214520, EPI_ISL_1214663, EPI_ISL_1214881, EPI_ISL_1215092, EPI_ISL_1215128	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_1216711, EPI_ISL_1216751	LabKom - MVZ Labor Bochum MLB GmbH	Robert Koch Institute	unknown	
EPI_ISL_1218044, EPI_ISL_1218067, EPI_ISL_1218082	Klinikum Ernst von Bergmann gemeinnützige GmbH - stationärer Bereich	Robert Koch Institute	unknown	
EPI_ISL_1218113, EPI_ISL_1218117, EPI_ISL_1218127, EPI_ISL_1218148	Labor ZOTZ KLIMAS; MVZ Düsseldorf-Centrum	Robert Koch Institute	unknown	
EPI_ISL_1219259, EPI_ISL_1219260	E. Gulbja laboratorija	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 Ansone, Davids Fridmanis, Mikus Gavars, Dmitrijs Perminovs, Jurisjs Perevoscikovs, Uga Dumpis, Janis Klovins	
EPI_ISL_1223185, EPI_ISL_1223186, EPI_ISL_1223198, EPI_ISL_1223199, EPI_ISL_1223200, EPI_ISL_1223234, EPI_ISL_1223237, EPI_ISL_1223271, EPI_ISL_1223274, EPI_ISL_1223282, EPI_ISL_1223287, EPI_ISL_1223326, EPI_ISL_1223350	see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1224889	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang	
EPI_ISL_1224936	Houston Health Dept.	Houston Health Dept.	Ryker Penn, Pamela Brown, Adolpho Lara	
EPI_ISL_1226531, EPI_ISL_1226532	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist	
EPI_ISL_1226545, EPI_ISL_1226546	NYC Pandemic Response Lab	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_1226559	New York Presbyterian Hospital	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_1226564, EPI_ISL_1226565	NYC Pandemic Response Lab	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_1226569	TEMPUS LABS INC	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_1226611	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist	
EPI_ISL_1226637, EPI_ISL_1226638	Columbia University Irving 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_1226641, EPI_ISL_1226651	NYC Pandemic Response Lab	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_1231546, EPI_ISL_1231548, EPI_ISL_1231550, EPI_ISL_1231687, EPI_ISL_1231688, EPI_ISL_1231689	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al	
EPI_ISL_1232283, EPI_ISL_1232295, EPI_ISL_1232516	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_1233279	Massachusetts State Public Health Laboratory	Massachusetts State Public Health Laboratory	Andrew Lang, Timelia Fink, Glen Gallagher, Sandra Smole	
EPI_ISL_1233599, EPI_ISL_1233600, EPI_ISL_1233601, EPI_ISL_1233608, EPI_ISL_1233609, EPI_ISL_1233611, EPI_ISL_1233612, EPI_ISL_1233613, EPI_ISL_1233615, EPI_ISL_1233616, EPI_ISL_1233617, EPI_ISL_1233618, EPI_ISL_1233619, EPI_ISL_1233620, EPI_ISL_1233621	see above	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1238008, EPI_ISL_1238013, EPI_ISL_1238019, EPI_ISL_1238029, EPI_ISL_1238033, EPI_ISL_1238037, EPI_ISL_1238048, EPI_ISL_1238050, EPI_ISL_1238054, EPI_ISL_1238062, EPI_ISL_1238067, EPI_ISL_1238068, EPI_ISL_1238072, EPI_ISL_1238077, EPI_ISL_1238082, EPI_ISL_1238083, EPI_ISL_1238096, EPI_ISL_1238097, EPI_ISL_1238111, EPI_ISL_1238112, EPI_ISL_1238113, EPI_ISL_1238117, EPI_ISL_1238118, EPI_ISL_1238130, EPI_ISL_1238136, EPI_ISL_1238146, EPI_ISL_1238147, EPI_ISL_1238148, EPI_ISL_1238155, EPI_ISL_1238161, EPI_ISL_1238162, EPI_ISL_1238166, EPI_ISL_1238172, EPI_ISL_1238177, EPI_ISL_1238178, EPI_ISL_1238179, EPI_ISL_1238186, EPI_ISL_1238187, EPI_ISL_1238191, EPI_ISL_1238193, EPI_ISL_1238198, EPI_ISL_1238199, EPI_ISL_1238204, EPI_ISL_1238207, EPI_ISL_1238208, EPI_ISL_1238218, EPI_ISL_1238224, EPI_ISL_1238227, EPI_ISL_1238236, EPI_ISL_1238239, EPI_ISL_1238240, EPI_ISL_1238242, EPI_ISL_1238243, EPI_ISL_1238245, EPI_ISL_1238247, EPI_ISL_1238253, EPI_ISL_1238254, EPI_ISL_1238255, EPI_ISL_1238257, EPI_ISL_1238259, EPI_ISL_1238260, EPI_ISL_1238262, EPI_ISL_1238270, EPI_ISL_1238277, EPI_ISL_1238278, EPI_ISL_1238281, EPI_ISL_1238282, EPI_ISL_1238362	see above	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_1239143	National Institute of Health Research and Development	National Institute of Health Research and Development	Agustiniingsih, Kindi Adam, Holy Arif Wibowo, Ririn Ramadhany, Yuni Rukminiati, Hana A Pawestri, Subangkit, Kartika Dewi Puspa, Arie Ardiansyah Nugraha, Hartanti Dian Ikawati, Krisna Nur Andriana Pangesti, Triyani Soekarso, Ni Ketut Susilarini, Nur Ika Hariastuti, Uly Alfi Nikmah, Mursinah, Asri Febriyani, Reni Herman, Nike Susanti, Herna, Tati Febriyanti, Natalie Laurencia Kipuw, Fauzul Muna, Aulia Rizki, Nelly Puspandari, Vivi Setiawaty	
EPI_ISL_1239168, EPI_ISL_1239173	Clinical Microbiology, Infection Prevention and Control	Section for Molecular Diagnostics	Björn Hallström, Jonas Björkman	
EPI_ISL_1239400	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_1239451	BIOMNIS LYON	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_1241876	HOPITAL SAINT ANDRE	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_1241892, EPI_ISL_1241896, EPI_ISL_1241898, EPI_ISL_1241899, EPI_ISL_1241900, EPI_ISL_1241902, EPI_ISL_1241904, EPI_ISL_1241905, EPI_ISL_1241908, EPI_ISL_1241910, EPI_ISL_1241911, EPI_ISL_1241913, EPI_ISL_1241916, EPI_ISL_1241918, EPI_ISL_1241920, EPI_ISL_1241922, EPI_ISL_1241924, EPI_ISL_1241926, EPI_ISL_1241929, EPI_ISL_1241931, EPI_ISL_1241932, EPI_ISL_1241934, EPI_ISL_1241936, EPI_ISL_1241937, EPI_ISL_1241939, EPI_ISL_1241940, EPI_ISL_1241943, EPI_ISL_1241946, EPI_ISL_1241950, EPI_ISL_1241951, EPI_ISL_1241952, EPI_ISL_1241953, EPI_ISL_1241954				



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_1245337	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, 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_1247395	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 Derwisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1247832, EPI_ISL_1247833, EPI_ISL_1247877, EPI_ISL_1247878, EPI_ISL_1247880, EPI_ISL_1247881	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 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, Hermione Webster
EPI_ISL_1248477	University College London Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Dr Judith Heaney, Matthew Byott, Dr Catherine Houlihan, Dr Daniel Frampton, Stuart Kirk, Dr Moira Spyer, Dr Paul Grant and Dr Eleni Nastouli
EPI_ISL_1248829, EPI_ISL_1248833, EPI_ISL_1248834, EPI_ISL_1248835, EPI_ISL_1248836, EPI_ISL_1248837	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_1248981, EPI_ISL_1249001, EPI_ISL_1249003, EPI_ISL_1249024, EPI_ISL_1249062	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 Derwisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1249108, EPI_ISL_1249112, EPI_ISL_1249114, EPI_ISL_1249115, EPI_ISL_1249116, EPI_ISL_1249118, EPI_ISL_1249245, EPI_ISL_1249250, EPI_ISL_1249252	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_1250556, EPI_ISL_1250557	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_1252050	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1253565	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_1253809	Broad Institute Clinical Research Sequencing Platform	Infectious Disease Program, Broad Institute of Harvard and MIT	Lemieux,J.E., Siddle,K.J., Adams,G., Gladden-Young,A., Lagerborg,K., Rudy,M., DeRuff,K., Carter,A., Normandin,E., Bauer,M., Reilly,S., Tomkins-Tinch,C., Loreth,C., Chaluvadi,S., Birren,B.W., Gallagher,G., Smole,S., Park,D.J., MacInnis,B.L., and Sabeti,P.C.
EPI_ISL_1254649, EPI_ISL_1254651	Ospedale di Venere	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Parisi A., Bianco A., Capozzi L., Del Sambro L., Simone D., Iacobellis M., Ridolfi D., Giannico A.
EPI_ISL_1255264	West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana, Accra, Ghana	West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana, Volta Road, Legon-Accra, Ghana	Collins M. Morang'a, Joyce M. Ngoi, Evelyn B. Quansah, Samirah Said, Dominic S.Y. Amuzu, Vincent Appiah, Philip M. Soglo, Vanessa Magnussen, Aisha Mohammed, Kesego Tapela, Nelson Kibinge, Abdoulaye B Diallo, Frederick Kumi-Ansah, Theophilus Odoom, Oliver D Boakye5, Emmanuel Amoako4, Abdul-Karim Abass, , Samuel Kaba Akoriyea, Frederick Tei-Maya, Lucas N. Amenga-Etego, Dam Kenneth Mibut, Yaw Bediako, Benjamin Demah Nuerley, Gordon A Awandare, Peter K Quashie, Gordon A Awandare, Yaw Bediako
EPI_ISL_1259185, EPI_ISL_1259187	Department of Virology, Istituto Zooprofilattico Sperimentale del Lazio e della Toscana (IZSLT)	Department of General Diagnostics; Department of Virology; Istituto Zooprofilattico Sperimentale del Lazio e della Toscana (IZSLT)	Patricia Alba, Giuseppe Manna, Elena L. Diaconu, Fabiola Feltrin, Raffaella Conti, Teresa Scicluna, Virginia Carfora, Antonella Cersini, Alessia Franco, Antonio Battisti.
EPI_ISL_1261167, EPI_ISL_1261169, EPI_ISL_1261174, EPI_ISL_1261175, EPI_ISL_1261178, EPI_ISL_1261185, EPI_ISL_1261213, EPI_ISL_1261214, EPI_ISL_1261215, EPI_ISL_1261216, EPI_ISL_1261217, EPI_ISL_1261218, EPI_ISL_1261219, EPI_ISL_1261235, EPI_ISL_1261236, EPI_ISL_1261237, EPI_ISL_1261238, EPI_ISL_1261239, EPI_ISL_1261267, EPI_ISL_1261315, EPI_ISL_1261316, EPI_ISL_1261317, EPI_ISL_1261318, EPI_ISL_1261319, EPI_ISL_1261320, EPI_ISL_1261321, EPI_ISL_1261333, EPI_ISL_1261334, EPI_ISL_1261335, EPI_ISL_1261336, EPI_ISL_1261337	National Institute of Public Health	Helena Jirincova, Jaromira Vecerova, Timotej Suri, Dusan Trnka, Alexander Nagy	
see above	National Institute of Public Health	National Reference Laboratory for Influenza and Respiratory Viruses CZE	
EPI_ISL_1262052, EPI_ISL_1262053, EPI_ISL_1262055	HOSPITAL UNIVERSITARIO VIRGEN DE LA ARRIXACA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandonis,V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I.Moreno, L.
EPI_ISL_1262094	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. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Del Rosario, C.
EPI_ISL_1262097, EPI_ISL_1262108	HOSPITAL UNIVERSITARIO INSULAR DE GRAN CANARIA	Instituto de Salud Carlos III	Vázquez-Morón,S. Iglesias-Caballero, M. Sandonis,V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I.Del Rosario, C.
EPI_ISL_1263460	Institute for Medical Research, Infectious Disease Research Centre, National Institutes of Health, Ministry of Health Malaysia	Institute for Medical Research, Infectious Disease Research Centre, National Institutes of Health, Ministry of Health Malaysia	Suppiah J, Kamel K, Mohd Zawawi Z, Azizan MA, Thayan R
EPI_ISL_1265465	CENTRE HOSPITALIER PIERRE OUDOT	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_1265467	HOPITAL SAINT ANDRE	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_1265470, EPI_ISL_1265472, EPI_ISL_1265487, EPI_ISL_1265493, EPI_ISL_1265496, EPI_ISL_1265502	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_1265555	CENTRE HOSPITALIER PIERRE OUDOT	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_1265630, EPI_ISL_1265631	CHUGA-IBP-laboratoire de Virologie	IBP-laboratoire de virologie	Sylvie Larrat, Patrice Morand, Pascal Poignard, Raphaël Germi, Julien Lupo, Anne Signori -Schmuck , Anne-Karen Faure, Benjamin Nemoz, Aurélie Truffot, Léa Ponderand, Julien Andréani
EPI_ISL_1268731	Hannover Medical School, Institute of Virology	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1272067	Hospital Universitario Virgen de las Nieves de Granada-SAS	SeqCOVID-SPAIN consortium/IBV(CSIC)	Sara Sanbonmatsu Gámez, Irene Pedrosa Corral, José M. Navarro-Mari and SeqCOVID-SPAIN consortium
EPI_ISL_1272447, EPI_ISL_1272470, EPI_ISL_1272472	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_1272556, EPI_ISL_1272579, EPI_ISL_1272582	Hospital Universitario 12 de Octubre	SeqCOVID-SPAIN consortium/IBV(CSIC)	Esther Viedma, Raúl Recio, Mar Aguilera, Sagrario Zurita, Irene Muñoz-Gallego, Jennifer Villa, Rafael Delgado, M.ª Dolores Folgueira and SeqCOVID-SPAIN consortiumconsortium
EPI_ISL_1273808, EPI_ISL_1273809, EPI_ISL_1273810	Regionalne Centrum Kwiadowstwa i Kwiolecznictwa w Biaymstoku Pracownia Diagnostyki Molekularnej wirusa SARS-CoV-2	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_1278102, EPI_ISL_1278103	NL-Dr. Leonard A. Miller Centre for Health Services	National Microbiology Laboratory (NML)	Anna Majer, Shari Tyson, Grace Seo, Philip Mabon, Elsie Grudeski, Rhiannon Huzarewich, Russell Mandes, Anneliese Landgraff, Jennifer Tanner, Natalie Knox, Morag Graham, Gary Van Domselaar, Robert Needie, Yang Yu, Adel Malek, Laura Gilbert, George Zahariadis, Nathalie Bastien, Yan Li, Timothy Booth, Darian Hole, Madison Chapel, Kirsten Biggar, Kerri Smith, CanCOGeN's metadata curation team, Public Health Agency of Canada CanCOGeN team
EPI_ISL_1278319, EPI_ISL_1278320	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_1278384, EPI_ISL_1278403, EPI_ISL_1278408, EPI_ISL_1278415, EPI_ISL_1278499, EPI_ISL_1278515, EPI_ISL_1278516, EPI_ISL_1278520, EPI_ISL_1278521, EPI_ISL_1278523, EPI_ISL_1278531, EPI_ISL_1278534, EPI_ISL_1278536, EPI_ISL_1278544, EPI_ISL_1278565, EPI_ISL_1278566, EPI_ISL_1278567, EPI_ISL_1278568, EPI_ISL_1278601, EPI_ISL_1278602, EPI_ISL_1278603, EPI_ISL_1278604, EPI_ISL_1278605, EPI_ISL_1278606, EPI_ISL_1278617, EPI_ISL_1278618, EPI_ISL_1278625, EPI_ISL_1278632, EPI_ISL_1278633, EPI_ISL_1278634, EPI_ISL_1278635, EPI_ISL_1278636, EPI_ISL_1278637, EPI_ISL_1278638, EPI_ISL_1278639, EPI_ISL_1278640, EPI_ISL_1278641, EPI_ISL_1278642, EPI_ISL_1278643, EPI_ISL_1278644, EPI_ISL_1278645, EPI_ISL_1278646, EPI_ISL_1278647, EPI_ISL_1278648, EPI_ISL_1278649, EPI_ISL_1278650, EPI_ISL_1278651, EPI_ISL_1278652, EPI_ISL_1278653, EPI_ISL_1278654, EPI_ISL_1278659, EPI_ISL_1278661, EPI_ISL_1278662, EPI_ISL_1278664, EPI_ISL_1278665, EPI_ISL_1278666, EPI_ISL_1278667, EPI_ISL_1278668, EPI_ISL_1278669, EPI_ISL_1278671, EPI_ISL_1278672, EPI_ISL_1278673, EPI_ISL_1278674, EPI_ISL_1278675, EPI_ISL_1278676, EPI_ISL_1278677, EPI_ISL_1278678, EPI_ISL_1278680, EPI_ISL_1278681, EPI_ISL_1278785, EPI_ISL_1278787, EPI_ISL_1278788, EPI_ISL_1278789, EPI_ISL_1278790, EPI_ISL_1278791, EPI_ISL_1278792, EPI_ISL_1278793, EPI_ISL_1278794, EPI_ISL_1278797, EPI_ISL_1278799, EPI_ISL_1278800, EPI_ISL_1278805, EPI_ISL_1278806, EPI_ISL_1278807, EPI_ISL_1278808, EPI_ISL_1278810, EPI_ISL_1278811, EPI_ISL_1278812, EPI_ISL_1278813, EPI_ISL_1278814, EPI_ISL_1278815, EPI_ISL_1278816, EPI_ISL_1278817, EPI_ISL_1278822, EPI_ISL_1278823, EPI_ISL_1278826, EPI_ISL_1278827, EPI_ISL_1278831, EPI_ISL_1278833, EPI_ISL_1278845, EPI_ISL_1278849, EPI_ISL_1278869, EPI_ISL_1278884, EPI_ISL_1278888	Clalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
see above			
EPI_ISL_1280623, EPI_ISL_1280650	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1290122, EPI_ISL_1290182, EPI_ISL_1290183, EPI_ISL_1290184, EPI_ISL_1290185, EPI_ISL_1290186, EPI_ISL_1290187, EPI_ISL_1290188, EPI_ISL_1290189, EPI_ISL_1290190, EPI_ISL_1290191, EPI_ISL_1290192, EPI_ISL_1290193, EPI_ISL_1290194, EPI_ISL_1290302, EPI_ISL_1290303, EPI_ISL_1290529, EPI_ISL_1290576			
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_1290847, EPI_ISL_1290848	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_1291313, EPI_ISL_1291314, EPI_ISL_1291324, EPI_ISL_1291330, EPI_ISL_1291338, EPI_ISL_1291342, EPI_ISL_1291348, EPI_ISL_1291350, EPI_ISL_1291363, EPI_ISL_1291367, EPI_ISL_1291368			
see above	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1291400, EPI_ISL_1291438, EPI_ISL_1291451, EPI_ISL_1291457	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. Lachawan, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1292819, EPI_ISL_1292967	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_1295652, EPI_ISL_1295654, EPI_ISL_1295670, EPI_ISL_1295723	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_1296614, EPI_ISL_1296617, EPI_ISL_1296620	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_1300338, EPI_ISL_1300362, EPI_ISL_1300397, EPI_ISL_1300406	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_1300805, EPI_ISL_1300806, EPI_ISL_1300810	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, Shelcie Fabre, Giulio Kleiner, Zenab Khan, Bremy Alburquerque, 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 Lukasz, Gopi Patel, Sarah Schaefer, Melissa Gitman, Michael D. Nowak, Alberto Paniz-Mondolfi, Emilia Mia Sordillo, Viviana Simon, Harm van Bakel
EPI_ISL_1301816, EPI_ISL_1301859	hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Louise Lefrançois, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Leruez-Ville Marianne
EPI_ISL_1301993, EPI_ISL_1302057	National Center of Infectious and Parasitic Diseases	National Center of Infectious and Parasitic Diseases	Alexiev et al
EPI_ISL_1302827, EPI_ISL_1302831, EPI_ISL_1302832, EPI_ISL_1302833, EPI_ISL_1302834, EPI_ISL_1302835, EPI_ISL_1302836, EPI_ISL_1302837, EPI_ISL_1302838, EPI_ISL_1302839, EPI_ISL_1302840, EPI_ISL_1302841, EPI_ISL_1302842, EPI_ISL_1302843, EPI_ISL_1302844, EPI_ISL_1302845			
see above	ADMED Microbiologie	Genomics and Transcriptomics, Philip Morris International	Reto Lienhard, Marie-Lise Tritten, Emmanuel Guedj, Nicolas Sierro, Rémi Dulize, David Bornand, Mehdi Auberson, Maxime Berthouzoz, Nikolai Ivanov, Manuel Peltsch
EPI_ISL_1303383, EPI_ISL_1303385, EPI_ISL_1303386, EPI_ISL_1303388	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_1308539	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_1308830	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_1308960, EPI_ISL_1308961, EPI_ISL_1308962, EPI_ISL_1308964, EPI_ISL_1308965, EPI_ISL_1308966, EPI_ISL_1309040	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_1309491, EPI_ISL_1309492, EPI_ISL_1309659, EPI_ISL_1309660	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusrî Taha, Gary Eltringham
EPI_ISL_1309750, EPI_ISL_1309778, EPI_ISL_1309779, EPI_ISL_1309780, EPI_ISL_1309781	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_1310916, EPI_ISL_1310975, EPI_ISL_1311019, EPI_ISL_1311115, EPI_ISL_1311119, EPI_ISL_1311123, EPI_ISL_1311124, EPI_ISL_1311125, EPI_ISL_1311126, EPI_ISL_1311184, EPI_ISL_1311295			
see above	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_1311883, EPI_ISL_1311886, EPI_ISL_1311920, EPI_ISL_1311921	Hospital General Universitario de Alicante - Instituto de Investigación Sanitaria y Biomédica de Alicante	SeqCOVID-SPAIN consortium/IBV(CSIC)	Maripaz Ventero Martín, Carmen Molina Pardines and SeqCOVID-SPAIN consortium
EPI_ISL_1312113	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Tony Wawina-Bokalanga, Bert Vanmechelen, Joan Martí-Carerras, Piet Maes
EPI_ISL_1313116	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_1313543	NJDOH, Public Health and Environmental Laboratories	NJ_PHEL	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EPI_ISL_1314999, EPI_ISL_1315000, EPI_ISL_1315001, EPI_ISL_1315002, EPI_ISL_1315003, EPI_ISL_1315004, EPI_ISL_1315005, EPI_ISL_1315006, EPI_ISL_1315007, EPI_ISL_1315008, EPI_ISL_1315032, EPI_ISL_1315033, EPI_ISL_1315034, EPI_ISL_1315035, EPI_ISL_1315036, EPI_ISL_1315037, EPI_ISL_1315038, EPI_ISL_1315039, EPI_ISL_1315040, EPI_ISL_1315041, EPI_ISL_1315042, EPI_ISL_1315043, EPI_ISL_1315044, EPI_ISL_1315045, EPI_ISL_1315046, EPI_ISL_1315047, EPI_ISL_1315048, EPI_ISL_1315051			
see above	National Institute of Public Health	National Institute of Public Health	Helena Jirincova, Jaromira Vecerova, Timotej Suri, Dusan Trnka, Alexander Nagy
EPI_ISL_1317218	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317320	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317321	Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317322	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317323	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317324	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317325, EPI_ISL_1317326, EPI_ISL_1317327	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317328	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317599	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317601, EPI_ISL_1317925	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate, Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1324047, EPI_ISL_1324048, EPI_ISL_1324049, EPI_ISL_1324053, EPI_ISL_1324062, EPI_ISL_1324063, EPI_ISL_1324064	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_1324697	Klaipeda University Hospital	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	Gytis Dudas, Rimvydas Norvicius, Dovile Ezerskyte, Daniel Naumovas, Ingrida Olendraite, Ligita Raugaite, Monika Katenaite, Mindaugas Stoksus, Laimonas Griskevicius
EPI_ISL_1333801, EPI_ISL_1333805, EPI_ISL_1333806, EPI_ISL_1333807, EPI_ISL_1333808, EPI_ISL_1333809, EPI_ISL_1333812, EPI_ISL_1333813, EPI_ISL_1333814, EPI_ISL_1333815, EPI_ISL_1333820, EPI_ISL_1333824, EPI_ISL_1333825, EPI_ISL_1333826, EPI_ISL_1333837, EPI_ISL_1333890, EPI_ISL_1333906, EPI_ISL_1333908, EPI_ISL_1333914, EPI_ISL_1333924, EPI_ISL_1333930, EPI_ISL_1333939, EPI_ISL_1333953, EPI_ISL_1333954			
see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1334131, EPI_ISL_1334132, EPI_ISL_1334133, EPI_ISL_1334134, EPI_ISL_1334135, EPI_ISL_1334136, EPI_ISL_1334137, EPI_ISL_1334138, EPI_ISL_1334139, EPI_ISL_1334140, EPI_ISL_1334141, EPI_ISL_1334142, EPI_ISL_1334143, EPI_ISL_1334144, EPI_ISL_1334145, EPI_ISL_1334146, EPI_ISL_1334147, EPI_ISL_1334148, EPI_ISL_1334149, EPI_ISL_1334150, EPI_ISL_1334151, EPI_ISL_1334152, EPI_ISL_1334153, EPI_ISL_1334154, EPI_ISL_1334155, EPI_ISL_1334156, EPI_ISL_1334157, EPI_ISL_1334158, EPI_ISL_1334159, EPI_ISL_1334160, EPI_ISL_1334161, EPI_ISL_1334162, EPI_ISL_1334163, EPI_ISL_1334164, EPI_ISL_1334165, EPI_ISL_1334167, EPI_ISL_1334168, EPI_ISL_1334169, EPI_ISL_1334170, EPI_ISL_1334171, EPI_ISL_1334172, EPI_ISL_1334173, EPI_ISL_1334174, EPI_ISL_1334175, EPI_ISL_1334176, EPI_ISL_1334177, EPI_ISL_1334178, EPI_ISL_1334179, EPI_ISL_1334180, EPI_ISL_1334181, EPI_ISL_1334182, EPI_ISL_1334183, EPI_ISL_1334184, EPI_ISL_1334185, EPI_ISL_1334186, EPI_ISL_1334187, EPI_ISL_1334188, EPI_ISL_1334189, EPI_ISL_1334190, EPI_ISL_1334191, EPI_ISL_1334192, EPI_ISL_1334193, EPI_ISL_1334194, EPI_ISL_1334195, EPI_ISL_1334196, EPI_ISL_1334197, EPI_ISL_1334198, EPI_ISL_1334199, EPI_ISL_1334200, EPI_ISL_1334201, EPI_ISL_1334202, EPI_ISL_1334204, EPI_ISL_1334205, EPI_ISL_1334206, EPI_ISL_1334207, EPI_ISL_1334208, EPI_ISL_1334209, EPI_ISL_1334210, EPI_ISL_1334211, EPI_ISL_1334212, EPI_ISL_1334213, EPI_ISL_1334214, EPI_ISL_1334215, EPI_ISL_1334216, EPI_ISL_1334217, EPI_ISL_1334218, EPI_ISL_1334219, EPI_ISL_1334220, EPI_ISL_1334221, EPI_ISL_1334222, EPI_ISL_1334223, EPI_ISL_1334224, EPI_ISL_1334225, EPI_ISL_1334226, EPI_ISL_1334227, EPI_ISL_1334228, EPI_ISL_1334229, EPI_ISL_1334230, EPI_ISL_1334231, EPI_ISL_1334232, EPI_ISL_1334233, EPI_ISL_1334234, EPI_ISL_1334235, EPI_ISL_1334236, EPI_ISL_1334237, EPI_ISL_1334238, EPI_ISL_1334239, EPI_ISL_1334240, EPI_ISL_1334241, EPI_ISL_1334242, EPI_ISL_1334243, EPI_ISL_1334244, EPI_ISL_1334245, EPI_ISL_1334246, EPI_ISL_1334247, EPI_ISL_1334248, EPI_ISL_1334249, EPI_ISL_1334250, EPI_ISL_1334251, EPI_ISL_1334252, EPI_ISL_1334253, EPI_ISL_1334254, EPI_ISL_1334255, EPI_ISL_1334256, EPI_ISL_1334257, EPI_ISL_1334258, EPI_ISL_1334259, EPI_ISL_1334260, EPI_ISL_1334261, EPI_ISL_1334262, EPI_ISL_1334263, EPI_ISL_1334264, EPI_ISL_1334265, EPI_ISL_1334266, EPI_ISL_1334267, EPI_ISL_1334268, EPI_ISL_1334269, EPI_ISL_1334270, EPI_ISL_1334271, EPI_ISL_1334272, EPI_ISL_1334273, EPI_ISL_1334274, EPI_ISL_1334275, EPI_ISL_1334276, EPI_ISL_1334277, EPI_ISL_1334278, EPI_ISL_1334279, EPI_ISL_1334280, EPI_ISL_1334281, EPI_ISL_1334282, EPI_ISL_1334283, EPI_ISL_1334284, EPI_ISL_1334285, EPI_ISL_1334286			
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EPI_ISL_1336266	Platform BIS UZA/UAntwerpen	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_1337552	CHU Purpan - Laboratoire de Virologie - Institut Fédératif de Biologie	CHU Purpan - Laboratoire de Virologie - Institut Fédératif de Biologie	Jeanne N., Latour J., Ranger N., Dubois M., Carcenac R., Harter A., Boyer P., Tremeaux P., Izopet J.
EPI_ISL_1341032, EPI_ISL_1341033	1. Główny Inspektorat Sanitarny; 2. Diagnostyka. Laboratoria Medyczne.	1. ViroGenetics - BSL3 Laboratory of Virology, Małopolska Centre of Biotechnology, Jagiellonian University; 2. Diagnostyka Laboratoria Łukasz Rabalski	Rabalski L., Gromowski T., Mazur-Panasik N., Kowalski M., Maciej Kosinski, Natalia Derewonko, Szulc P., Sylwia Januszczak, Labaj P.P., Pyrc K.
EPI_ISL_1346809, EPI_ISL_1346810, EPI_ISL_1346811	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_1347921	Instituto Nacional de Investigação em Saúde	KRISP, KZN Research Innovation and Sequencing Platform	Morais J, Neto Z, Afonso P, Miranda J, David K, Inglês L, Pereira A, Paulo A Carralero RR Paixão JP, Freitas RH, Mufinda M, Lutucuta S, Ghandhari J, Pillay S, Naidoo Y, Emmanuel SJ, Tegally H, Wilkinson E, de Oliveira T
EPI_ISL_1348125, EPI_ISL_1348132	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_1352266	Klinikum Darmstadt GmbH	Robert Koch Institute	unknown
EPI_ISL_1357086, EPI_ISL_1357110, EPI_ISL_1357168	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1357778, EPI_ISL_1357780, EPI_ISL_1357781, EPI_ISL_1357782, EPI_ISL_1357783, EPI_ISL_1357785, EPI_ISL_1357786, EPI_ISL_1357793, EPI_ISL_1357814, EPI_ISL_1357815, EPI_ISL_1357816, EPI_ISL_1357817, EPI_ISL_1357818, EPI_ISL_1357819, EPI_ISL_1357821, EPI_ISL_1357822, EPI_ISL_1357823, EPI_ISL_1357824, EPI_ISL_1357825, EPI_ISL_1357826, EPI_ISL_1357827, EPI_ISL_1357828, EPI_ISL_1357829, EPI_ISL_1357830, EPI_ISL_1357831, EPI_ISL_1357832, EPI_ISL_1357833, EPI_ISL_1357834, EPI_ISL_1357835, EPI_ISL_1357836, EPI_ISL_1357838, EPI_ISL_1357839, EPI_ISL_1357840, EPI_ISL_1357841			
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 Zitzelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_1358001, EPI_ISL_1358002, EPI_ISL_1358003, EPI_ISL_1358004, EPI_ISL_1358005, EPI_ISL_1358006, EPI_ISL_1358007, EPI_ISL_1358008, EPI_ISL_1358009, EPI_ISL_1358010, EPI_ISL_1358011, EPI_ISL_1358012, EPI_ISL_1358013, EPI_ISL_1358131, EPI_ISL_1358132, EPI_ISL_1358133, EPI_ISL_1358134, EPI_ISL_1358135, EPI_ISL_1358136, EPI_ISL_1358137, EPI_ISL_1358138, EPI_ISL_1358139, EPI_ISL_1358140, EPI_ISL_1358141, EPI_ISL_1358142, EPI_ISL_1358143, EPI_ISL_1358144, EPI_ISL_1358145, EPI_ISL_1358168, EPI_ISL_1358169			
see above	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1358792, EPI_ISL_1358793, EPI_ISL_1358795, EPI_ISL_1358796, EPI_ISL_1358797, EPI_ISL_1358798, EPI_ISL_1358799, EPI_ISL_1358801, EPI_ISL_1358802, EPI_ISL_1358804, EPI_ISL_1358805, EPI_ISL_1358806, EPI_ISL_1358807, EPI_ISL_1358808, EPI_ISL_1358809, EPI_ISL_1358810, EPI_ISL_1358811, EPI_ISL_1358812, EPI_ISL_1358814, EPI_ISL_1358817, EPI_ISL_1358818, EPI_ISL_1358820, EPI_ISL_1358821, EPI_ISL_1358822, EPI_ISL_1358823, EPI_ISL_1358824, EPI_ISL_1358825, EPI_ISL_1358826, EPI_ISL_1358827, EPI_ISL_1358828, EPI_ISL_1358829, EPI_ISL_1358830, EPI_ISL_1358831, EPI_ISL_1358832, EPI_ISL_1358833, EPI_ISL_1358835, EPI_ISL_1358840, EPI_ISL_1358841, EPI_ISL_1358844, EPI_ISL_1358848, EPI_ISL_1358849, EPI_ISL_1358851, EPI_ISL_1358852, EPI_ISL_1358853, EPI_ISL_1358855, EPI_ISL_1358856, EPI_ISL_1358857, EPI_ISL_1358858, EPI_ISL_1358859, EPI_ISL_1358860, EPI_ISL_1358861, EPI_ISL_1358862, EPI_ISL_1358863, EPI_ISL_1358865, EPI_ISL_1358866, EPI_ISL_1358868, EPI_ISL_1358870, EPI_ISL_1358872, 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EPI_ISL_1359942	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_1360153, EPI_ISL_1360208, EPI_ISL_1360224, EPI_ISL_1360226, EPI_ISL_1360232, EPI_ISL_1360238	Hospital Universitari Bellvitge	Microbiology Department	Sara Marti, Aida Gonzalez-Diaz, Laura Calatayud, Jordi Niubó, Miguel Fernandez-Huerta, Carmen Ardanuy, Jordi Camara, M Angeles Dominguez	
EPI_ISL_1363773, EPI_ISL_1363782	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_1363803, EPI_ISL_1363804, EPI_ISL_1363831, EPI_ISL_1363832, EPI_ISL_1363833, EPI_ISL_1363835, EPI_ISL_1363836, EPI_ISL_1363866, EPI_ISL_1363868, EPI_ISL_1363921, EPI_ISL_1363922, EPI_ISL_1363923, EPI_ISL_1363924, EPI_ISL_1363926, EPI_ISL_1363927, EPI_ISL_1363928, EPI_ISL_1363929, EPI_ISL_1363941, EPI_ISL_1363942, EPI_ISL_1363943, EPI_ISL_1363944, EPI_ISL_1363945, EPI_ISL_1363946, EPI_ISL_1363947, EPI_ISL_1363948, EPI_ISL_1363996, EPI_ISL_1363997, EPI_ISL_1363998, EPI_ISL_1363999, EPI_ISL_1364028, EPI_ISL_1364046, EPI_ISL_1364047, EPI_ISL_1364048, EPI_ISL_1364049, EPI_ISL_1364050, EPI_ISL_1364051, EPI_ISL_1364052, EPI_ISL_1364121, EPI_ISL_1364122, EPI_ISL_1364123, EPI_ISL_1364126, EPI_ISL_1364128, EPI_ISL_1364129, EPI_ISL_1364130, EPI_ISL_1364131, EPI_ISL_1364132, EPI_ISL_1364133, EPI_ISL_1364134, EPI_ISL_1364135, EPI_ISL_1364136, EPI_ISL_1364137, EPI_ISL_1364180, EPI_ISL_1364190, EPI_ISL_1364191, EPI_ISL_1364192, EPI_ISL_1364193, EPI_ISL_1364194, EPI_ISL_1364195, EPI_ISL_1364196, EPI_ISL_1364197, EPI_ISL_1364198, EPI_ISL_1364236, EPI_ISL_1364237, EPI_ISL_1364238, EPI_ISL_1364239, EPI_ISL_1364246, EPI_ISL_1364277, EPI_ISL_1364278, EPI_ISL_1364279, EPI_ISL_1364280, EPI_ISL_1364281, EPI_ISL_1364282, EPI_ISL_1364283, EPI_ISL_1364284, EPI_ISL_1364285, EPI_ISL_1364286, EPI_ISL_1364287, EPI_ISL_1364288, EPI_ISL_1364290, EPI_ISL_1364297, EPI_ISL_1364412, EPI_ISL_1364413, EPI_ISL_1364414	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			
EPI_ISL_1364481	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun	
EPI_ISL_1366085	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Loarraine Rodriguez, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin	
EPI_ISL_1369343	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_1372943	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 Myrténäs, David Sundell, Caroline Öhrman, Mats Forsman, Annika Allard, Annika Osterman	
EPI_ISL_1373842, EPI_ISL_1373843, EPI_ISL_1373855, EPI_ISL_1373856, EPI_ISL_1373860, EPI_ISL_1373867, EPI_ISL_1373870	CDPH, Viral and Rickettsial Disease Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Brian Lynch, Anna Kelleher, Krista Queen, Anna Uehara, Peter Cook, Han Jia Justin Ng, Clinton R. Paden, Haibin Wang, Suxiang Tong	
EPI_ISL_1380912, EPI_ISL_1380913, EPI_ISL_1380915, EPI_ISL_1380917, EPI_ISL_1380919, EPI_ISL_1380920, EPI_ISL_1380921, EPI_ISL_1380933, EPI_ISL_1380945, EPI_ISL_1380968, EPI_ISL_1381037, EPI_ISL_1381038, EPI_ISL_1381039	see above	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Tony Wawina-Bokalanga, Bert Vanmechelen, Joan Marti-Carerras, Piet Maes	
EPI_ISL_1381335, EPI_ISL_1381338, EPI_ISL_1381339	Laboratory for Respiratory Viruses, Cantacuzino National Military-Medical Institute for Research and Development	Cantacuzino Institute Virology	Luiza Ustea, Nicoleta Paraschiv, Catalina Pascu, Sorin Dinu, Mihaela Lazar	
EPI_ISL_1382832	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_1383477, EPI_ISL_1383478, EPI_ISL_1383479, EPI_ISL_1383481, EPI_ISL_1383483, EPI_ISL_1383484, EPI_ISL_1383485, EPI_ISL_1383490, EPI_ISL_1383491, EPI_ISL_1383493, EPI_ISL_1383494, EPI_ISL_1383495, EPI_ISL_1383499, EPI_ISL_1383500, EPI_ISL_1383501, EPI_ISL_1383503, EPI_ISL_1383505, EPI_ISL_1383509, EPI_ISL_1383510, EPI_ISL_1383511, EPI_ISL_1383513, EPI_ISL_1383514, EPI_ISL_1383515, EPI_ISL_1383518, EPI_ISL_1383519	see above	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	
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EPI_ISL_1384055, EPI_ISL_1384061, EPI_ISL_1384062	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_1384152	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_1384601, EPI_ISL_1384605, EPI_ISL_1384606, EPI_ISL_1384612, EPI_ISL_1384613	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_1385814, EPI_ISL_1385815, EPI_ISL_1385816	KEMPEGOWDA INTERNATIONAL AIRPORT	INSACOG-KA, NIMHANS	Chitra Pattabiraman, Pramada Prasad, Anson Kunjumon George, Darshan Sreenivas, Nakka Vijay Kiran Reddy, Anita S Desai, V Ravi	
EPI_ISL_1386410, EPI_ISL_1386411, EPI_ISL_1386416, EPI_ISL_1386426, EPI_ISL_1386433, EPI_ISL_1386434, EPI_ISL_1386439, EPI_ISL_1386451	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_1387124, EPI_ISL_1387125, EPI_ISL_1387126, EPI_ISL_1387127	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_1387150	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_1387237, EPI_ISL_1387238, EPI_ISL_1387239, EPI_ISL_1387240, EPI_ISL_1387241, EPI_ISL_1387247, EPI_ISL_1387248, EPI_ISL_1387249, EPI_ISL_1387250, EPI_ISL_1387251, EPI_ISL_1387252, EPI_ISL_1387253, EPI_ISL_1387254, EPI_ISL_1387255, EPI_ISL_1387257, EPI_ISL_1387258, EPI_ISL_1387311, EPI_ISL_1387314, EPI_ISL_1387316, EPI_ISL_1387327, EPI_ISL_1387500, EPI_ISL_1387501, EPI_ISL_1387503, EPI_ISL_1387506, EPI_ISL_1387507, EPI_ISL_1387509, EPI_ISL_1387510, EPI_ISL_1387515, EPI_ISL_1387516, EPI_ISL_1387517, EPI_ISL_1387518, EPI_ISL_1387519, EPI_ISL_1387522, EPI_ISL_1387523, EPI_ISL_1387525, EPI_ISL_1387526, EPI_ISL_1387527, EPI_ISL_1387535, EPI_ISL_1387539, EPI_ISL_1387540, EPI_ISL_1387541, EPI_ISL_1387543, EPI_ISL_1387544, EPI_ISL_1387545, EPI_ISL_1387548, EPI_ISL_1387549, EPI_ISL_1387550, EPI_ISL_1387566, EPI_ISL_1387567, EPI_ISL_1387568, EPI_ISL_1387569, EPI_ISL_1387570, EPI_ISL_1387578, EPI_ISL_1387582, EPI_ISL_1387586, EPI_ISL_1387591	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_1388156, EPI_ISL_1388191,	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian	

EPI_ISL_1388253, EPI_ISL_1388344			Egli
EPI_ISL_1388346	Rothen Medizinische Laboratorien AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Ingrid Steffen, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388386, EPI_ISL_1388388, EPI_ISL_1388390, EPI_ISL_1388392, EPI_ISL_1388394, EPI_ISL_1388396	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388460	Rothen Medizinische Laboratorien AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Ingrid Steffen, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388469	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388478, EPI_ISL_1388480, EPI_ISL_1388482	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388492	Rothen Medizinische Laboratorien AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Ingrid Steffen, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388497, EPI_ISL_1388499, EPI_ISL_1388501, EPI_ISL_1388504, EPI_ISL_1388570	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388576	Rothen Medizinische Laboratorien AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Ingrid Steffen, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388579, EPI_ISL_1388580	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388645	Rothen Medizinische Laboratorien AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Ingrid Steffen, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388648, EPI_ISL_1388650	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Simon Fuchs, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1392800, EPI_ISL_1392804	CMBG FN Brno	CMBG FN Brno	Bezdicek M., Lengerova M., Svaton J.
EPI_ISL_1396811	Institut Louis Malard��	Department of Virology, Henri Mondor University Hospital, Assistance Publique H��pitaux de Paris, Universit�� Paris-Est Cr��teil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_1401099, EPI_ISL_1401102, EPI_ISL_1401119	National Center of Infectious and Parasitic Diseases	National Center of Infectious and Parasitic Diseases	Alexiev et al
EPI_ISL_1402343	CMBG FN Brno	CMBG FN Brno	Bezdicek M., Lengerova M., Svaton J.
EPI_ISL_1404176, EPI_ISL_1404186, EPI_ISL_1404214	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1404476	Institut Louis Malard��	Department of Virology, Henri Mondor University Hospital, Assistance Publique H��pitaux de Paris, Universit�� Paris-Est Cr��teil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_1414434	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1415217	National Centre For Cell Science	National Centre For Cell Science	Dhiraj Paul,Mitali Inamdar, Sonal Manik Chavan, Mohak P Gujare, Shivang P. Bhanushali, Manoj Kumar Bhat, Ajay Pillai, Yogesh Shouche
EPI_ISL_1417613, EPI_ISL_1417808, EPI_ISL_1417809, EPI_ISL_1417810, EPI_ISL_1417811, EPI_ISL_1417812, EPI_ISL_1417813, EPI_ISL_1417814, EPI_ISL_1417815, EPI_ISL_1417816, EPI_ISL_1417817, EPI_ISL_1417818, EPI_ISL_1417819, EPI_ISL_1418014, EPI_ISL_1418015, EPI_ISL_1418016, EPI_ISL_1418370, EPI_ISL_1418528, EPI_ISL_1418529, EPI_ISL_1418530, EPI_ISL_1418531, EPI_ISL_1418532, EPI_ISL_1418533, EPI_ISL_1418534, EPI_ISL_1418535, EPI_ISL_1418540, EPI_ISL_1418608, EPI_ISL_1418609, EPI_ISL_1418610, EPI_ISL_1418611, EPI_ISL_1418761			
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_1419850, EPI_ISL_1419851	INSACOG-WB	National Institute of Biomedical Genomics - INSACOG	Arindam Maitra, Bhaswati Bandyopadhyay, Nidhan Kumar Biswas, Tamal Ghosh, Sreedhar Chinnaswamy, Ajay Chakraborti, Saumitra Das
EPI_ISL_1419925, EPI_ISL_1419926, EPI_ISL_1419946, EPI_ISL_1419995, EPI_ISL_1419998, EPI_ISL_1420014, EPI_ISL_1420015, EPI_ISL_1420319, EPI_ISL_1420320, EPI_ISL_1420321, EPI_ISL_1420322, EPI_ISL_1420323, EPI_ISL_1420324, EPI_ISL_1420325, EPI_ISL_1420326, EPI_ISL_1420327, EPI_ISL_1420328, EPI_ISL_1420329, EPI_ISL_1420330, EPI_ISL_1420331, EPI_ISL_1420332, EPI_ISL_1420333, EPI_ISL_1420334, EPI_ISL_1420335, EPI_ISL_1420336, EPI_ISL_1420337, EPI_ISL_1420338, EPI_ISL_1420339, EPI_ISL_1420355, EPI_ISL_1420509, EPI_ISL_1420510, EPI_ISL_1420511, EPI_ISL_1420512, EPI_ISL_1420513, EPI_ISL_1420514, EPI_ISL_1420515, EPI_ISL_1420558			
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_1423831, EPI_ISL_1423835, EPI_ISL_1423839, EPI_ISL_1423840, EPI_ISL_1423841, EPI_ISL_1423842, EPI_ISL_1423843, EPI_ISL_1423844, EPI_ISL_1423845, EPI_ISL_1423846, EPI_ISL_1423847, EPI_ISL_1423848			
see above	Hospital Universitario Marqu��s de Valdecilla - IDIVAL (Santander, Cantabria)	SeqCOVID-SPAIN consortium/IBV(CSIC)	M��nica Gozalo Marg��llo, Mar��a Eliecer Cano Garc��a, Jose Manuel M��ndez Legaza, Daniel Pablo Marcos, Jes��s Rodr��guez Rodr��guez, Mar��a Siller Ruiz and SeqCOVID-SPAIN consortium
EPI_ISL_1424983, EPI_ISL_1424984, EPI_ISL_1424985, EPI_ISL_1424987, EPI_ISL_1424988, EPI_ISL_1425026, EPI_ISL_1425030, EPI_ISL_1425031, EPI_ISL_1425034, EPI_ISL_1425053	Clalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1425254, EPI_ISL_1425257, EPI_ISL_1425258, EPI_ISL_1425380, EPI_ISL_1425381	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_1426575	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, Takahiro Maeki, Motohiko Ogawa, Shigeru Tanjima, Eri Nakayama, Chang-Kweng Lim, Makoto Kuroda
EPI_ISL_1428600	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, Eri Nakayama, Motohiko Ogawa, Shigeru Tanjima, Takahiro Maeki, Chang-Kweng Lim, Makoto Kuroda
EPI_ISL_1428611, EPI_ISL_1428612	Pathogen Genomics Center, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Makoto Kuroda
EPI_ISL_1428635	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, Minoru Nagi, Ken Miyazawa, Takashi Sakudoh, Nozomu Hanaoka, Tsuguto Fujimoto, Makoto Kuroda
EPI_ISL_1429592	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, Chang-Kweng Lim, Takahiro Maeki, Eri Nakayama, Motohiko Ogawa, Shigeru Tanjima, Makoto Kuroda
EPI_ISL_1430594, EPI_ISL_1430595, EPI_ISL_1430596, EPI_ISL_1430637	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_1430667	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, Eri Nakayama, Motohiko Ogawa, Takahiro Maeki, Shigeru Tanjima, Chang-Kweng Lim, Makoto Kuroda
EPI_ISL_1435649, EPI_ISL_1435653, EPI_ISL_1435657, EPI_ISL_1435660, EPI_ISL_1435662	Claalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1441452, EPI_ISL_1441471	Hospital General Universitario de Alicante - Instituto de Investigación Sanitaria y Biomédica de Alicante	SeqCOVID-SPAIN consortium/IBV(CSIC)	Maripaz Ventero Martín, Carmen Molina Pardines and SeqCOVID-SPAIN consortium
EPI_ISL_1444902	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_1447021	"PA Department of Health, Bureau of Laboratories"	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 Kripe, 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_1447046	TX-Houston Health Department Laboratory	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 Kripe, 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_1455863, EPI_ISL_1456985, EPI_ISL_1456986, EPI_ISL_1457012, EPI_ISL_1457023, EPI_ISL_1457031, EPI_ISL_1457039, EPI_ISL_1457048, EPI_ISL_1457082, EPI_ISL_1457229	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Lisa Wijsman, Kim Freriks, Rianne Jaarsma, Eunice Then, Jolienke Hardeman, Lynn Aarts, Sanne Bos, Melissa van Tuil, Robert Kohl, Linda van de Nes, Sjoerd Kuitling, James Groot, Florian Zwagemaker, Dennis Schmitz, Annelies Kroneman, Karim Hajji, Chantal Reusken, on behalf of the national COVID-19 response team
EPI_ISL_968212	PHV-FSS	PHV-FSS	Son Nguyen et al
EPI_ISL_978791, EPI_ISL_978797, EPI_ISL_978798, EPI_ISL_978799, EPI_ISL_978801, EPI_ISL_978806, EPI_ISL_978807, EPI_ISL_978808, EPI_ISL_978809, EPI_ISL_978810, EPI_ISL_978813, EPI_ISL_978814, EPI_ISL_978815, EPI_ISL_978816, EPI_ISL_978818, EPI_ISL_978820, EPI_ISL_978821, EPI_ISL_978822, EPI_ISL_978823, EPI_ISL_978826, EPI_ISL_978828, EPI_ISL_978837, EPI_ISL_978839, EPI_ISL_978840, EPI_ISL_978841, EPI_ISL_978843, EPI_ISL_978845, EPI_ISL_978846, EPI_ISL_978847, EPI_ISL_978848, EPI_ISL_978850, EPI_ISL_978852, EPI_ISL_978854, EPI_ISL_978857, EPI_ISL_978858, EPI_ISL_978860, EPI_ISL_978861, EPI_ISL_978862, EPI_ISL_978863, EPI_ISL_978864, EPI_ISL_978869, EPI_ISL_978870, EPI_ISL_978871, EPI_ISL_978873, EPI_ISL_978874, EPI_ISL_978877, EPI_ISL_978878			
see above	AZDelta	AZDelta	Geert Martens; Dieter De Smet
EPI_ISL_981009, EPI_ISL_981011, EPI_ISL_981012, EPI_ISL_981013	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_981114	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Matthew Schwartz, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_985387, EPI_ISL_985388, EPI_ISL_985389, EPI_ISL_985390, EPI_ISL_985392	Klinisk mikrobiologi, Region Västerbotten	CBRN Defence and Security, Swedish Defence Research Agency	Andreas Sjödin, Linda Karlsson, Emelie Näslund, 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_985759	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_986328	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_986439, EPI_ISL_986440, EPI_ISL_986442, EPI_ISL_986443, EPI_ISL_986444, EPI_ISL_986445, EPI_ISL_986446, EPI_ISL_986447, EPI_ISL_986448, EPI_ISL_986449, EPI_ISL_986450, EPI_ISL_986452, EPI_ISL_986453, EPI_ISL_986454, EPI_ISL_986455, EPI_ISL_986456, EPI_ISL_986457, EPI_ISL_986458, EPI_ISL_986460, EPI_ISL_986461, EPI_ISL_986462, EPI_ISL_986463, EPI_ISL_986464, EPI_ISL_986465, EPI_ISL_986466, EPI_ISL_986467, EPI_ISL_986468, EPI_ISL_986469, EPI_ISL_986470, EPI_ISL_986471, EPI_ISL_986472, EPI_ISL_986473, EPI_ISL_986474, EPI_ISL_986475, EPI_ISL_986476, EPI_ISL_986477, EPI_ISL_986478, EPI_ISL_986479, EPI_ISL_986480, EPI_ISL_986481, EPI_ISL_986482, EPI_ISL_986483, EPI_ISL_986484, EPI_ISL_986485, EPI_ISL_986486, EPI_ISL_986488, EPI_ISL_986489, EPI_ISL_986490, EPI_ISL_986491, EPI_ISL_986492, EPI_ISL_986493, EPI_ISL_986494, EPI_ISL_986495, EPI_ISL_986496, EPI_ISL_986497, EPI_ISL_986498, EPI_ISL_986499, EPI_ISL_986500, EPI_ISL_986501, EPI_ISL_986503, EPI_ISL_986504, EPI_ISL_986505, 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see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, 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_987097, EPI_ISL_987100, EPI_ISL_987112	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> )
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see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, 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> )
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EPI_ISL_995294, EPI_ISL_995295	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

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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_997367, EPI_ISL_997368, EPI_ISL_997369, EPI_ISL_997371, EPI_ISL_997372, EPI_ISL_997374	University Hospitals Of Leicester NHS Trust and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Christopher Holmes, Paul Bird, Thomas Helmer, Karlie Fallon, Julian Tang, Jonathan Ball, Patrick McClure, Joeseeph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose	
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Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
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EPI_ISL_998911, EPI_ISL_998912, EPI_ISL_998913, EPI_ISL_998914, EPI_ISL_998915, EPI_ISL_998916, EPI_ISL_998917, EPI_ISL_998918, EPI_ISL_998919	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	