

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

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EPI_ISL_1000035, EPI_ISL_1000068, EPI_ISL_1000070, EPI_ISL_1000083, EPI_ISL_1000085, EPI_ISL_1000096, EPI_ISL_1000098, EPI_ISL_1000105, EPI_ISL_1000112, EPI_ISL_1000113, EPI_ISL_1000115, EPI_ISL_1000124, EPI_ISL_1000126, EPI_ISL_1000127, EPI_ISL_1000131, EPI_ISL_1000146, EPI_ISL_1000154, EPI_ISL_1000157, EPI_ISL_1000158, EPI_ISL_1000161, EPI_ISL_1000162, EPI_ISL_1000163, EPI_ISL_1000166, EPI_ISL_1000168, EPI_ISL_1000181, EPI_ISL_1000182, EPI_ISL_1000183	see above	Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
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EPI_ISL_1006229, EPI_ISL_1006241, EPI_ISL_1006248, EPI_ISL_1006249, EPI_ISL_1006250, EPI_ISL_1006251, EPI_ISL_1006252, EPI_ISL_1006253, EPI_ISL_1006254, EPI_ISL_1006255, EPI_ISL_1006256, EPI_ISL_1006257, EPI_ISL_1006258, EPI_ISL_1006259, EPI_ISL_1006261, EPI_ISL_1006262, EPI_ISL_1006265, EPI_ISL_1006267, EPI_ISL_1006268, EPI_ISL_1006269, EPI_ISL_1006271, EPI_ISL_1006272, EPI_ISL_1006274, EPI_ISL_1006275, EPI_ISL_1006276, EPI_ISL_1006277, EPI_ISL_1006278, EPI_ISL_1006279, EPI_ISL_1006281, EPI_ISL_1006282, EPI_ISL_1006283, EPI_ISL_1006284, EPI_ISL_1006285, EPI_ISL_1006286, EPI_ISL_1006287, EPI_ISL_1006288, EPI_ISL_1006290, EPI_ISL_1006291, EPI_ISL_1006292, EPI_ISL_1006293, EPI_ISL_1006294, EPI_ISL_1006295, EPI_ISL_1006296, EPI_ISL_1006297, EPI_ISL_1006298, EPI_ISL_1006299, EPI_ISL_1006301, EPI_ISL_1006302, EPI_ISL_1006303, EPI_ISL_1006304, EPI_ISL_1006305, EPI_ISL_1006306, EPI_ISL_1006307, EPI_ISL_1006308, EPI_ISL_1006309, EPI_ISL_1006310, EPI_ISL_1006311, EPI_ISL_1006312, EPI_ISL_1006313, EPI_ISL_1006314, EPI_ISL_1006315, EPI_ISL_1006316, EPI_ISL_1006317, EPI_ISL_1006318, EPI_ISL_1006319, EPI_ISL_1006320, EPI_ISL_1006321, EPI_ISL_1006322, EPI_ISL_1006323, EPI_ISL_1006324, EPI_ISL_1006325, EPI_ISL_1006326, EPI_ISL_1006327, EPI_ISL_1006328, EPI_ISL_1006329, EPI_ISL_1006330, EPI_ISL_1006331, EPI_ISL_1006332, EPI_ISL_1006333, EPI_ISL_1006334, EPI_ISL_1006335, EPI_ISL_1006336, EPI_ISL_1006337, EPI_ISL_1006338, EPI_ISL_1006339, EPI_ISL_1006340	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
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EPI_ISL_1007189, EPI_ISL_1007199, EPI_ISL_1007200, EPI_ISL_1007203, EPI_ISL_1007208, EPI_ISL_1007214, EPI_ISL_1007216, EPI_ISL_1007217, EPI_ISL_1007220, EPI_ISL_1007224, EPI_ISL_1007230, EPI_ISL_1007235, EPI_ISL_1007236, EPI_ISL_1007237, EPI_ISL_1007242, EPI_ISL_1007245, EPI_ISL_1007249, EPI_ISL_1007251, EPI_ISL_1007252, EPI_ISL_1007253, EPI_ISL_1007254, EPI_ISL_1007255, EPI_ISL_1007256, EPI_ISL_1007257, EPI_ISL_1007258, EPI_ISL_1007259, EPI_ISL_1007261, EPI_ISL_1007262, EPI_ISL_1007263, EPI_ISL_1007265, EPI_ISL_1007267, EPI_ISL_1007268, EPI_ISL_1007269, EPI_ISL_1007270, EPI_ISL_1007271, EPI_ISL_1007272, EPI_ISL_1007274, EPI_ISL_1007275, EPI_ISL_1007276, EPI_ISL_1007277, EPI_ISL_1007278, EPI_ISL_1007279, EPI_ISL_1007281, EPI_ISL_1007284, EPI_ISL_1007285, EPI_ISL_1007286, EPI_ISL_1007288, EPI_ISL_1007289, EPI_ISL_1007290, EPI_ISL_1007291, EPI_ISL_1007292, EPI_ISL_1007293, EPI_ISL_1007294, EPI_ISL_1007296, EPI_ISL_1007296, EPI_ISL_1007297, EPI_ISL_1007298, EPI_ISL_1007300, 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EPI_ISL_1008679, EPI_ISL_1008680, EPI_ISL_1008681, EPI_ISL_1008682, EPI_ISL_1008683, EPI_ISL_1008684, EPI_ISL_1008685, EPI_ISL_1008686	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Parisi A., Bianco A., Capozzi L., Del Sambro L., Simone D., Chironna M., Loconsole D., Sallustio A., Ridolfi D.
EPI_ISL_1008688, EPI_ISL_1008689, EPI_ISL_1008691, EPI_ISL_1008693, EPI_ISL_1008695, EPI_ISL_1008696, EPI_ISL_1008697, EPI_ISL_1008698, EPI_ISL_1008699, EPI_ISL_1008701	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Parisi A., Bianco A., Capozzi L., Del Sambro L., Simone D., Chironna M., Loconsole D., Sallustio A., Giannico A.
EPI_ISL_1008907, EPI_ISL_1008908, EPI_ISL_1008909	Resolve Diagnostics	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Krista Queen, Anna Uehara, Peter Cook, Clinton R. Paden, Haibin Wang, Suxiang Tong
EPI_ISL_1008922	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, Krista Queen, Anna Uehara, Peter Cook, Clinton R. Paden, Haibin Wang, Suxiang Tong
EPI_ISL_1011914	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_1012244, EPI_ISL_1012295, EPI_ISL_1012380	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1012404, EPI_ISL_1012405, EPI_ISL_1012406, EPI_ISL_1012408, EPI_ISL_1012410, EPI_ISL_1012411, EPI_ISL_1012413, EPI_ISL_1012415, EPI_ISL_1012417, EPI_ISL_1012418, EPI_ISL_1012419, EPI_ISL_1012420, EPI_ISL_1012422, EPI_ISL_1012424, EPI_ISL_1012425, EPI_ISL_1012427, EPI_ISL_1012429, EPI_ISL_1012430, EPI_ISL_1012434, EPI_ISL_1012436, EPI_ISL_1012437, EPI_ISL_1012439, EPI_ISL_1012440, EPI_ISL_1012441, EPI_ISL_1012442, EPI_ISL_1012443, EPI_ISL_1012444, EPI_ISL_1012445, EPI_ISL_1012446, EPI_ISL_1012447, EPI_ISL_1012448, EPI_ISL_1012451, EPI_ISL_1012452, EPI_ISL_1012453, EPI_ISL_1012454, EPI_ISL_1012455, EPI_ISL_1012459, EPI_ISL_1012460, EPI_ISL_1012461, EPI_ISL_1012462, EPI_ISL_1012463, EPI_ISL_1012464, EPI_ISL_1012465, EPI_ISL_1012466, EPI_ISL_1012467, EPI_ISL_1012468, EPI_ISL_1012469, EPI_ISL_1012471, EPI_ISL_1012472, EPI_ISL_1012473, EPI_ISL_1012474, EPI_ISL_1012476, EPI_ISL_1012477, EPI_ISL_1012478, EPI_ISL_1012479, EPI_ISL_1012480, EPI_ISL_1012481, EPI_ISL_1012483, EPI_ISL_1012485, EPI_ISL_1012486, EPI_ISL_1012487, EPI_ISL_1012488, EPI_ISL_1012489, EPI_ISL_1012491, EPI_ISL_1012492, EPI_ISL_1012494, EPI_ISL_1012495, EPI_ISL_1012496, EPI_ISL_1012497, EPI_ISL_1012501, EPI_ISL_1012502, EPI_ISL_1012503, EPI_ISL_1012504, EPI_ISL_1012505, EPI_ISL_1012506, EPI_ISL_1012507, EPI_ISL_1012508, EPI_ISL_1012509, EPI_ISL_1012511, EPI_ISL_1012512, EPI_ISL_1012513, EPI_ISL_1012515, EPI_ISL_1012516, EPI_ISL_1012517, EPI_ISL_1012518, EPI_ISL_1012519, EPI_ISL_1012520, EPI_ISL_1012522, EPI_ISL_1012523, EPI_ISL_1012524, EPI_ISL_1012525, EPI_ISL_1012526, EPI_ISL_1012527, EPI_ISL_1012528, EPI_ISL_1012529, EPI_ISL_1012530, EPI_ISL_1012533, EPI_ISL_1012534, EPI_ISL_1012535, EPI_ISL_1012536, EPI_ISL_1012538, EPI_ISL_1012539, EPI_ISL_1012540, EPI_ISL_1012542, EPI_ISL_1012544, EPI_ISL_1012545, EPI_ISL_1012546, EPI_ISL_1012547			
see above	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1012550, EPI_ISL_1012551, EPI_ISL_1012552, EPI_ISL_1012553, EPI_ISL_1012554, EPI_ISL_1012555, EPI_ISL_1012556, EPI_ISL_1012557, EPI_ISL_1012558, EPI_ISL_1012559, EPI_ISL_1012560, EPI_ISL_1012561, EPI_ISL_1012562, EPI_ISL_1012566, EPI_ISL_1012567, EPI_ISL_1012569, EPI_ISL_1012570, EPI_ISL_1012571, EPI_ISL_1012572, EPI_ISL_1012573, EPI_ISL_1012574, EPI_ISL_1012575, EPI_ISL_1012576, EPI_ISL_1012577, EPI_ISL_1012578, EPI_ISL_1012580, EPI_ISL_1012581, EPI_ISL_1012582, EPI_ISL_1012583, EPI_ISL_1012584, EPI_ISL_1012585, EPI_ISL_1012586, EPI_ISL_1012587, EPI_ISL_1012588, EPI_ISL_1012589, EPI_ISL_1012590, EPI_ISL_1012591, EPI_ISL_1012592, EPI_ISL_1012593, EPI_ISL_1012594, EPI_ISL_1012595, EPI_ISL_1012597, EPI_ISL_1012599, EPI_ISL_1012600, EPI_ISL_1012601, EPI_ISL_1012602, EPI_ISL_1012603, EPI_ISL_1012604, EPI_ISL_1012605, EPI_ISL_1012606, EPI_ISL_1012607			
see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1012609, EPI_ISL_1012610, EPI_ISL_1012611, EPI_ISL_1012612, EPI_ISL_1012613, EPI_ISL_1012614, EPI_ISL_1012615, EPI_ISL_1012616, EPI_ISL_1012617, EPI_ISL_1012618, EPI_ISL_1012619, EPI_ISL_1012620, EPI_ISL_1012621, EPI_ISL_1012623, EPI_ISL_1012624, EPI_ISL_1012627, EPI_ISL_1012628, EPI_ISL_1012630, EPI_ISL_1012631, EPI_ISL_1012632, EPI_ISL_1012633, EPI_ISL_1012634, EPI_ISL_1012635, EPI_ISL_1012636, EPI_ISL_1012637, EPI_ISL_1012638, EPI_ISL_1012640, EPI_ISL_1012641, EPI_ISL_1012643, EPI_ISL_1012645, EPI_ISL_1012647, EPI_ISL_1012648, EPI_ISL_1012649, EPI_ISL_1012650, EPI_ISL_1012652, EPI_ISL_1012653, EPI_ISL_1012654, EPI_ISL_1012655, EPI_ISL_1012656, EPI_ISL_1012657, EPI_ISL_1012658, EPI_ISL_1012659, EPI_ISL_1012660, EPI_ISL_1012661, EPI_ISL_1012663, EPI_ISL_1012664, EPI_ISL_1012666, EPI_ISL_1012667, EPI_ISL_1012668			
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
EPI_ISL_1012675, EPI_ISL_1012686	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_1013095	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, Eleonora Paparelli, Davide Scaglione, Michele Morgante
EPI_ISL_1013218, EPI_ISL_1013220	Laboratoire de Microbiologie	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, Martres Pascale
EPI_ISL_1013223	Service Biologie	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,Marque Juliet StéPhanie
EPI_ISL_1013497	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 Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungenes
EPI_ISL_1013514	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungenes
EPI_ISL_1013518, EPI_ISL_1013519	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 Hungenes
EPI_ISL_1013620, EPI_ISL_1013649, EPI_ISL_1013680, EPI_ISL_1013681, EPI_ISL_1013689, EPI_ISL_1013695, EPI_ISL_1013740, EPI_ISL_1013741, EPI_ISL_1013759, EPI_ISL_1013760, EPI_ISL_1013761, EPI_ISL_1013762, EPI_ISL_1013763, EPI_ISL_1013764, EPI_ISL_1013765, EPI_ISL_1013766, EPI_ISL_1013767, EPI_ISL_1013768, EPI_ISL_1013769, EPI_ISL_1013770			
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_1015515, EPI_ISL_1015532, EPI_ISL_1015533, EPI_ISL_1015536, EPI_ISL_1015537, EPI_ISL_1015538, EPI_ISL_1015539, EPI_ISL_1015541, EPI_ISL_1015549, EPI_ISL_1015552, EPI_ISL_1015560			
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_1015562, EPI_ISL_1015566, EPI_ISL_1015569, EPI_ISL_1015570, EPI_ISL_1015612, EPI_ISL_1015613, EPI_ISL_1015614, EPI_ISL_1015627	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1016249, EPI_ISL_1016250, EPI_ISL_1016252	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 Pitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1016844	Middlemore Hospital	Institute of Environmental Science and Research (ESR)	Xiaoyun Ren, Matt Storey, Nikki Freed, Muhammad Faisal, Jing Wang, Hermes Perez, Anja Werno, Antje van der Linden, Arlo Upton, Chris Mansell, David

			Hammer, Dragana Drinkovic, Gary McAuliffe, Hana Sofia Andersson, James Ussher, Jill Sherwood, Josh Freeman, Julia Howard, Juliet Elvy, Mary DeAlmeida, Matt Blakiston, Matthew Rogers, Max Bloomfield, Michael Addidle, Michelle Balm, Sally Roberts, Sarah Jefferies, Sharmini Muttaiyah, Susan Morpeth, Susan Taylor, Timothy Blackmore, Vani Sathyendran, Veronica Playle, Virginia Hope, Erasmus Smit, Lauren Jelly, Olin Silander, Joep de Ligt
EPI_ISL_1016853, EPI_ISL_1016858	LabPLUS	Institute of Environmental Science and Research (ESR)	Xiaoyun Ren, Matt Storey, Nikki Freed, Muhammad Faisal, Jing Wang, Hermes Perez, Anja Werno, Antje van der Linden, Arlo Upton, Chris Mansell, David Hammer, Dragana Drinkovic, Gary McAuliffe, Hana Sofia Andersson, James Ussher, Jill Sherwood, Josh Freeman, Julia Howard, Juliet Elvy, Mary DeAlmeida, Matt Blakiston, Matthew Rogers, Max Bloomfield, Michael Addidle, Michelle Balm, Sally Roberts, Sarah Jefferies, Sharmini Muttaiyah, Susan Morpeth, Susan Taylor, Timothy Blackmore, Vani Sathyendran, Veronica Playle, Virginia Hope, Erasmus Smit, Lauren Jelly, Olin Silander, Joep de Ligt
EPI_ISL_1018055, EPI_ISL_1018056	University Hospitals Translational Laboratory (UHTL), University Hospitals	University Hospitals Translational Laboratory (UHTL), University Hospitals	Sadri,N., Alouani,D. and Song,X.
EPI_ISL_1018872, EPI_ISL_1019349	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 Silittle on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1019414, EPI_ISL_1019435, EPI_ISL_1019481	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 Silittle on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1019559, EPI_ISL_1019560, EPI_ISL_1019561, EPI_ISL_1019562, EPI_ISL_1019563, EPI_ISL_1019564, EPI_ISL_1019577, EPI_ISL_1019578, EPI_ISL_1019579, EPI_ISL_1019580, EPI_ISL_1019581, EPI_ISL_1019582			
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 Silittle on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1020302	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_1020314	Laboratorio di Riferimento Regionale della Sicilia Occidentale per l'Emergenza COVID-19	Laboratorio di Riferimento Regionale della Sicilia Occidentale per l'Emergenza COVID-19	Fabio Tramuto, Carmelo Massimo Maida, Daniela Di Naro, Giulia Randazzo, Walter Mazzucco, Giorgio Graziano, Vincenzo Restivo, Claudio Costantino, Francesco Vitale
EPI_ISL_1020350, EPI_ISL_1020351, EPI_ISL_1020352, EPI_ISL_1020354, EPI_ISL_1020355, EPI_ISL_1020367, EPI_ISL_1020368, EPI_ISL_1020369, EPI_ISL_1020378, EPI_ISL_1020379	MEPHI, Aix Marseille University	MEPHI, Aix Marseille University	Anthony LEVASSEUR
EPI_ISL_1020561, EPI_ISL_1020562, EPI_ISL_1020563, EPI_ISL_1020571, EPI_ISL_1020572	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Cristina Andrés, Maria Piñana, Josep F Abril, Damir Garcia-Cehic, Ariadna Rando, Juliana Esperalba, Maria Gema Codina, Carla Castillo, Maria Carmen Martin, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_1033566, EPI_ISL_1033567, EPI_ISL_1033568, EPI_ISL_1033569, EPI_ISL_1033570, EPI_ISL_1033571, EPI_ISL_1033572, EPI_ISL_1033573, EPI_ISL_1033574, EPI_ISL_1033575, EPI_ISL_1033576, EPI_ISL_1033577, EPI_ISL_1033578, EPI_ISL_1033579, EPI_ISL_1033580, EPI_ISL_1033581, EPI_ISL_1033582, EPI_ISL_1033583, EPI_ISL_1033584, EPI_ISL_1033585, EPI_ISL_1033586, EPI_ISL_1033587, EPI_ISL_1033588, EPI_ISL_1033589, EPI_ISL_1033590, EPI_ISL_1033591, EPI_ISL_1033592, EPI_ISL_1033593, EPI_ISL_1033594, EPI_ISL_1033595, EPI_ISL_1033596, EPI_ISL_1033597, EPI_ISL_1033598, EPI_ISL_1033599, EPI_ISL_1033600, EPI_ISL_1033601, EPI_ISL_1033602, EPI_ISL_1033603, EPI_ISL_1033604, EPI_ISL_1033605, EPI_ISL_1033606, EPI_ISL_1033607, EPI_ISL_1033608, EPI_ISL_1033609, EPI_ISL_1033610, EPI_ISL_1033611, EPI_ISL_1033612, EPI_ISL_1033613, EPI_ISL_1033614, EPI_ISL_1033615, EPI_ISL_1033616, EPI_ISL_1033617, EPI_ISL_1033618, EPI_ISL_1033619, EPI_ISL_1033620, EPI_ISL_1033621, EPI_ISL_1033622, EPI_ISL_1033623, 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see above	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Silittle on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1034143	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 Silittle on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1034749, EPI_ISL_1034750, EPI_ISL_1034751, EPI_ISL_1034752	Center of Advanced Studies and Technology, Molecular Genetics Laboratory	Center of Advanced Studies and Technology, Molecular Genetics Laboratory	Ferrante Rossella, Mandatori Domitilla, De Fabritiis Simone, Damiani Verena, Anaclerio Federico
EPI_ISL_1034812	Landesamt für Verbraucherschutz Sachsen Anhalt, Magdeburg	Institute of Medical Microbiology and Hospital Hygiene	Prof. Dr. Achim Kaasch, Aljoscha Tersteegen
EPI_ISL_1034929, EPI_ISL_1034940, EPI_ISL_1034948, EPI_ISL_1034951, EPI_ISL_1034993, EPI_ISL_1034994, EPI_ISL_1034995, EPI_ISL_1034997, EPI_ISL_1034998, EPI_ISL_1035000, EPI_ISL_1035005, EPI_ISL_1035006, EPI_ISL_1035010, EPI_ISL_1035013, EPI_ISL_1035044, EPI_ISL_1035045, EPI_ISL_1035046, EPI_ISL_1035053, EPI_ISL_1035058, EPI_ISL_1035059, EPI_ISL_1035060, EPI_ISL_1035068, EPI_ISL_1035101, EPI_ISL_1035103, EPI_ISL_1035104, EPI_ISL_1035115, EPI_ISL_1035142, EPI_ISL_1035144, EPI_ISL_1035146, EPI_ISL_1035159, EPI_ISL_1035162, EPI_ISL_1035166, EPI_ISL_1035167, EPI_ISL_1035168, EPI_ISL_1035169, EPI_ISL_1035170, EPI_ISL_1035171, EPI_ISL_1035172, EPI_ISL_1035173, EPI_ISL_1035174, EPI_ISL_1035183, EPI_ISL_1035186, EPI_ISL_1035187, EPI_ISL_1035190			
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_1035901, EPI_ISL_1035966	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy; Università degli Studi di Siena, Siena, Italy	Istituto Superiore di Sanità (ISS)	Paola Stefanelli, Angela Di Martino, Alessandra Lo Presti, Stefano Fiore, Maria Grazia Cusi, Gabriele Anichini, Claudia Gandolfo, Gianni Gori Savellini, Manuela Marra, Maria Carullo, Marco Crescenzi
EPI_ISL_1036188	OSP SAN SALVATORE UOC MAL INF	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_1036400, EPI_ISL_1036401, EPI_ISL_1036402		Infections, Institut Pasteur, Paris	Werf,Blanchard Geneviève
EPI_ISL_1036408	hopital Hôpital Necker	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_1036409, EPI_ISL_1036414, EPI_ISL_1036415, EPI_ISL_1036416	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,Goubard Agathe
EPI_ISL_1036427, EPI_ISL_1036428	Hopital Laboratoire de Virologie	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,Griscelli Franck
EPI_ISL_1038837	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1038916	Colorado Department of Public Health and Environment	Colorado Department of Puplic Health and Environment	Laura Bankers, Molly C. Hetherington-Rauth, Diana Ir, Shannon Ely, Shannon R. Matzinger, Sarah Elizabeth Totten, Emily A. Travanty
EPI_ISL_1039162, EPI_ISL_1039210, EPI_ISL_1039221	Algemeen Medisch Laboratorium (AML)	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheussens, Herman Goossens
EPI_ISL_1040144	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 Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1040146	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_1040181, EPI_ISL_1040190, EPI_ISL_1040196, EPI_ISL_1040198, EPI_ISL_1040199, EPI_ISL_1040203, EPI_ISL_1040204, EPI_ISL_1040205, EPI_ISL_1040206, EPI_ISL_1040207, EPI_ISL_1040208, EPI_ISL_1040209, EPI_ISL_1040210, EPI_ISL_1040219, EPI_ISL_1040274, EPI_ISL_1040280, EPI_ISL_1040281, EPI_ISL_1040282, EPI_ISL_1040283, EPI_ISL_1040284, EPI_ISL_1040285, EPI_ISL_1040286, EPI_ISL_1040287, EPI_ISL_1040288, EPI_ISL_1040289, EPI_ISL_1040290, EPI_ISL_1040291, EPI_ISL_1040292, EPI_ISL_1040295, EPI_ISL_1040303, EPI_ISL_1040304, EPI_ISL_1040305, EPI_ISL_1040306, EPI_ISL_1040307, EPI_ISL_1040308, EPI_ISL_1040309, EPI_ISL_1040346, EPI_ISL_1040347, EPI_ISL_1040350			
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 Pegeot, Melyssa Elies, Deborah Penet, Keith Harshman, Ioannis Xenarios, Emmanouil Dermitzakis
EPI_ISL_1040475, EPI_ISL_1040477, EPI_ISL_1040478	LHUB-ULB	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheussens, Herman Goossens
EPI_ISL_1041396, EPI_ISL_1041402	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_1042022, EPI_ISL_1042056, EPI_ISL_1042095, EPI_ISL_1042133, EPI_ISL_1042193, EPI_ISL_1042221, EPI_ISL_1042254, EPI_ISL_1042261, EPI_ISL_1042319, EPI_ISL_1042343, EPI_ISL_1042567, EPI_ISL_1042581, EPI_ISL_1042586, EPI_ISL_1042592, EPI_ISL_1042596, EPI_ISL_1042598, EPI_ISL_1042599, EPI_ISL_1042603, EPI_ISL_1042604, EPI_ISL_1042606, EPI_ISL_1042619, EPI_ISL_1042614, EPI_ISL_1042615, EPI_ISL_1042617, EPI_ISL_1042619, EPI_ISL_1042621, EPI_ISL_1042626, EPI_ISL_1042627, EPI_ISL_1042631			
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_1042632	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_1042637, EPI_ISL_1042640, EPI_ISL_1042643, EPI_ISL_1042659, EPI_ISL_1042661, EPI_ISL_1042666, EPI_ISL_1042673, EPI_ISL_1042674, EPI_ISL_1042677, EPI_ISL_1042684, EPI_ISL_1042691, EPI_ISL_1042696, EPI_ISL_1042721, EPI_ISL_1042730, EPI_ISL_1042731, EPI_ISL_1042734, EPI_ISL_1042742, EPI_ISL_1042744, EPI_ISL_1042756, EPI_ISL_1042765, EPI_ISL_1042769, EPI_ISL_1042774, EPI_ISL_1042777, EPI_ISL_1042779, EPI_ISL_1042783, EPI_ISL_1042784, EPI_ISL_1042786, EPI_ISL_1042789, EPI_ISL_1042793			
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_1042796	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_1042800, EPI_ISL_1042801, EPI_ISL_1042803, EPI_ISL_1042807, EPI_ISL_1042809, EPI_ISL_1042813, EPI_ISL_1042815, EPI_ISL_1042819, EPI_ISL_1042821, EPI_ISL_1042824, EPI_ISL_1042828			
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_1043308	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_1043346, EPI_ISL_1043351, EPI_ISL_1043352	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_1043353	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_1043354, EPI_ISL_1043359, EPI_ISL_1043364, EPI_ISL_1043369, EPI_ISL_1043377, EPI_ISL_1043378, EPI_ISL_1043379, EPI_ISL_1043390, EPI_ISL_1043392, EPI_ISL_1043393, EPI_ISL_1043395, EPI_ISL_1043404, EPI_ISL_1043408, EPI_ISL_1043409, EPI_ISL_1043412, EPI_ISL_1043420, EPI_ISL_1043423, EPI_ISL_1043424, EPI_ISL_1043428, EPI_ISL_1043431, EPI_ISL_1043432, EPI_ISL_1043434, EPI_ISL_1043449, EPI_ISL_1043451, EPI_ISL_1043454, EPI_ISL_1043456, EPI_ISL_1043457, EPI_ISL_1043462, EPI_ISL_1043466, EPI_ISL_1043467, EPI_ISL_1043470, EPI_ISL_1043474, EPI_ISL_1043475, EPI_ISL_1043478, EPI_ISL_1043479, EPI_ISL_1043482, EPI_ISL_1043498, EPI_ISL_1043503, EPI_ISL_1043505, EPI_ISL_1043507, EPI_ISL_1043511, EPI_ISL_1043514, EPI_ISL_1043516, EPI_ISL_1043519, EPI_ISL_1043520, EPI_ISL_1043523, EPI_ISL_1043525, EPI_ISL_1043530			
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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_1045520, EPI_ISL_1045603, EPI_ISL_1045742	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_1045771	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_1045888, EPI_ISL_1045905, EPI_ISL_1045906, EPI_ISL_1045909, EPI_ISL_1045910, EPI_ISL_1045915, EPI_ISL_1045916, EPI_ISL_1045922, EPI_ISL_1045928, EPI_ISL_1045929, EPI_ISL_1045930, EPI_ISL_1045941, EPI_ISL_1045946, EPI_ISL_1045950, EPI_ISL_1045951, EPI_ISL_1045953, EPI_ISL_1045963, EPI_ISL_1045964, EPI_ISL_1045966			
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_1046796, EPI_ISL_1046805, EPI_ISL_1046807, EPI_ISL_1046819, EPI_ISL_1046820, EPI_ISL_1046831, EPI_ISL_1046839, EPI_ISL_1046850, EPI_ISL_1046853, EPI_ISL_1046862, EPI_ISL_1046873			
see above	Servicio de Microbiología, Laboratori Clínic Metropolitana Nord, Hospital Universitari Germans Trias i Pujol, Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol (IGTP)	IrsiCaixa - Can Ruti CovidSeq	Marc Noguera-Julian, Mariona Parera, Maria Casadellà, Pilar Armengol, Francesc Catala-Moll, Roger Paredes, Bonaventura Ciotet Elisa Martró, Verónica Saludes, Anna Not, Ana Pérez, Montserrat Giménez, Ignacio Blanco, Cristina Esteban, Cristina Casañ, Antoni E. Bordoy, Adrián Antuori
EPI_ISL_1047016, EPI_ISL_1047027, EPI_ISL_1047028, EPI_ISL_1047029, EPI_ISL_1047030, EPI_ISL_1047032, EPI_ISL_1047033, EPI_ISL_1047039, EPI_ISL_1047046, EPI_ISL_1047050, EPI_ISL_1047051, EPI_ISL_1047052, EPI_ISL_1047053, EPI_ISL_1047054, EPI_ISL_1047057, EPI_ISL_1047058, EPI_ISL_1047059			
see above	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_1047073, EPI_ISL_1047074, EPI_ISL_1047075, EPI_ISL_1047077, EPI_ISL_1047081, EPI_ISL_1047083	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbo, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow

EPI_ISL_1047087			
EPI_ISL_1047841, EPI_ISL_1047842, EPI_ISL_1047843, EPI_ISL_1047844, EPI_ISL_1047847, EPI_ISL_1047848, EPI_ISL_1047849, EPI_ISL_1047850	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_1047877, EPI_ISL_1047878, EPI_ISL_1047879, EPI_ISL_1047880, EPI_ISL_1047881, EPI_ISL_1047883	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_1048036, EPI_ISL_1048037, EPI_ISL_1048038, EPI_ISL_1048039, EPI_ISL_1048040, EPI_ISL_1048041, EPI_ISL_1048043, EPI_ISL_1048047	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_1048061, EPI_ISL_1048065, EPI_ISL_1048068, EPI_ISL_1048072, EPI_ISL_1048073, EPI_ISL_1048075, EPI_ISL_1048085, EPI_ISL_1048086, EPI_ISL_1048103, EPI_ISL_1048129	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_1048408, EPI_ISL_1048409, EPI_ISL_1048410, EPI_ISL_1048428, EPI_ISL_1048429	Wojewódzka Stacja Sanitarno-Epidemiologiczna w Olsztynie, Laboratorium Bada Epidemiologiczno-Klinicznych	Wojewódzka Stacja Sanitarno-Epidemiologiczna w Olsztynie, Laboratorium Bada Epidemiologiczno-Klinicznych	Sylvia Krztowska, Monika Czymiska, Barbara Doliska, Ewa Liszewska, Tomasz Jakubczak, Marta ukian, Patryk Bielecki, Aleksandra Kobiatko, Emilia Tarabasz, Paulina Róycka, Beata Wasiek
EPI_ISL_1048598	Maine HETL	Tewhey Lab, The Jackson Laboratory	Matluk,N., Dewey,H., Isoue,F., Barter,M., Lynch,R., Munger,H. and Tewhey,R.
EPI_ISL_1048804	Arizona State University	Arizona State University	Emily A. Kaelin, LaRinda A. Holland, Peter T. Skidmore, Nicholas J. Mellor, Kristina Buss, Joy M. Blain, Neal W Woodbury, Valerie Harris, Joshua LaBaer, Vel Murugan, Efreem S. Lim
EPI_ISL_1049204, EPI_ISL_1049214, EPI_ISL_1049215, EPI_ISL_1049217	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, Haibin Wang, Suxiang Tong
EPI_ISL_1049652, EPI_ISL_1049653, EPI_ISL_1049655	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_1050068, EPI_ISL_1050069, EPI_ISL_1050070, EPI_ISL_1050071, EPI_ISL_1050072, EPI_ISL_1050073, EPI_ISL_1050074	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_1050185, EPI_ISL_1050186, EPI_ISL_1050190, EPI_ISL_1050193, EPI_ISL_1050194, EPI_ISL_1050197, EPI_ISL_1050198, EPI_ISL_1050199, EPI_ISL_1050200, EPI_ISL_1050201, EPI_ISL_1050203			
see above	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_1050326, EPI_ISL_1050327, EPI_ISL_1050328, EPI_ISL_1050329, EPI_ISL_1050331, EPI_ISL_1050332, EPI_ISL_1050333, EPI_ISL_1050336, EPI_ISL_1050337, EPI_ISL_1050338	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_1050371, EPI_ISL_1050372, EPI_ISL_1050373, EPI_ISL_1050374, EPI_ISL_1050385, EPI_ISL_1050386, EPI_ISL_1050387, EPI_ISL_1050388, EPI_ISL_1050389, EPI_ISL_1050390, EPI_ISL_1050391, EPI_ISL_1050398			
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_1050426, EPI_ISL_1050427, EPI_ISL_1050565, EPI_ISL_1050566, EPI_ISL_1050567, EPI_ISL_1050568, EPI_ISL_1050569, EPI_ISL_1050580	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_1051324, EPI_ISL_1051327, EPI_ISL_1051330, EPI_ISL_1051331, EPI_ISL_1051332, EPI_ISL_1051333, EPI_ISL_1051334, EPI_ISL_1051339, EPI_ISL_1051340, EPI_ISL_1051410	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_1051420, EPI_ISL_1051424, EPI_ISL_1051545, EPI_ISL_1051552	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_1051556	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1051763, EPI_ISL_1051764	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_1052359, EPI_ISL_1052360, EPI_ISL_1052361, EPI_ISL_1052362, EPI_ISL_1052365, EPI_ISL_1052367, EPI_ISL_1052375, EPI_ISL_1052385, EPI_ISL_1052386, EPI_ISL_1052399, EPI_ISL_1052401, EPI_ISL_1052404, EPI_ISL_1052405, EPI_ISL_1052421, EPI_ISL_1052426, EPI_ISL_1052427, EPI_ISL_1052431, EPI_ISL_1052432, EPI_ISL_1052433, EPI_ISL_1052435, EPI_ISL_1052437, EPI_ISL_1052440, EPI_ISL_1052443, EPI_ISL_1052446, EPI_ISL_1052447, EPI_ISL_1052449, EPI_ISL_1052451, EPI_ISL_1052454, EPI_ISL_1052456, EPI_ISL_1052457, EPI_ISL_1052458, EPI_ISL_1052475, EPI_ISL_1052476, EPI_ISL_1052477, EPI_ISL_1052479, EPI_ISL_1052544, EPI_ISL_1052545, EPI_ISL_1052547, EPI_ISL_1052548, EPI_ISL_1052549, EPI_ISL_1052557, EPI_ISL_1052558, EPI_ISL_1052559, EPI_ISL_1052560, EPI_ISL_1052561, EPI_ISL_1052563, EPI_ISL_1052566, EPI_ISL_1052568, EPI_ISL_1052575, EPI_ISL_1052578, EPI_ISL_1052590, EPI_ISL_1052593, EPI_ISL_1052594, EPI_ISL_1052605, EPI_ISL_1052611, EPI_ISL_1052617, EPI_ISL_1052666, EPI_ISL_1052669, EPI_ISL_1052679, EPI_ISL_1052680, EPI_ISL_1052681, EPI_ISL_1052765, EPI_ISL_1053069, EPI_ISL_1053492, EPI_ISL_1053494, EPI_ISL_1053625, EPI_ISL_1053629, EPI_ISL_1053630, EPI_ISL_1053631, EPI_ISL_1053638			
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_1053750, EPI_ISL_1053940, EPI_ISL_1053941, EPI_ISL_1053942, EPI_ISL_1053944, EPI_ISL_1053945, EPI_ISL_1053946, EPI_ISL_1053947, EPI_ISL_1053949, EPI_ISL_1053950, EPI_ISL_1053951, EPI_ISL_1053952, EPI_ISL_1053964, EPI_ISL_1053965, EPI_ISL_1053966, EPI_ISL_1053967, EPI_ISL_1053972, EPI_ISL_1053973, EPI_ISL_1053974, EPI_ISL_1053975			
see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson

Trust			
EPI_ISL_1054259, EPI_ISL_1054265, EPI_ISL_1054266, EPI_ISL_1054269, EPI_ISL_1054271, EPI_ISL_1054272, EPI_ISL_1054273, EPI_ISL_1054274, EPI_ISL_1054275, EPI_ISL_1054276, EPI_ISL_1054293, EPI_ISL_1054294, EPI_ISL_1054298, EPI_ISL_1054325, EPI_ISL_1054326, EPI_ISL_1054351, EPI_ISL_1054353, EPI_ISL_1054354, EPI_ISL_1054355, EPI_ISL_1054356			
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_1054552, EPI_ISL_1054572, EPI_ISL_1054573, EPI_ISL_1054574, EPI_ISL_1054575, EPI_ISL_1054576, EPI_ISL_1054577, EPI_ISL_1054581, EPI_ISL_1054582, EPI_ISL_1054583, EPI_ISL_1054584, EPI_ISL_1054585, EPI_ISL_1054586, EPI_ISL_1054587			
see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysheer,Scott Elliott,Samuel Robson
EPI_ISL_1054757, EPI_ISL_1054759, EPI_ISL_1054761, EPI_ISL_1054762, EPI_ISL_1054765, EPI_ISL_1054767, EPI_ISL_1054772, EPI_ISL_1054773, EPI_ISL_1054774	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_1055377	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_1056627, EPI_ISL_1056628, EPI_ISL_1056629, EPI_ISL_1056630, EPI_ISL_1056640	Servicio de Microbiología, Hospital Universitario Son Espases	SeqCOVID-SPAIN consortium/IBV(CSIC)	Carla López-Causapé, Jordi Reina, Antonio Oliver and SeqCOVID-SPAIN consortium
EPI_ISL_1056976, EPI_ISL_1056977, EPI_ISL_1056978, EPI_ISL_1056979, EPI_ISL_1056980, EPI_ISL_1056981, EPI_ISL_1056982, EPI_ISL_1056983, EPI_ISL_1056985, EPI_ISL_1057002, EPI_ISL_1057003, EPI_ISL_1057004, EPI_ISL_1057005, EPI_ISL_1057006, EPI_ISL_1057007, EPI_ISL_1057012, EPI_ISL_1057051, EPI_ISL_1057052, EPI_ISL_1057053, EPI_ISL_1057054, EPI_ISL_1057055, EPI_ISL_1057056, EPI_ISL_1057064			
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_1057508	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_1057665, EPI_ISL_1057666, EPI_ISL_1057669, EPI_ISL_1057670, EPI_ISL_1057671, EPI_ISL_1057672, EPI_ISL_1057674, EPI_ISL_1057677, EPI_ISL_1057678, EPI_ISL_1057679, EPI_ISL_1057680, EPI_ISL_1057681, EPI_ISL_1057682, EPI_ISL_1057683, EPI_ISL_1057764, EPI_ISL_1057765, EPI_ISL_1057766, EPI_ISL_1057767, EPI_ISL_1057769, EPI_ISL_1057770, EPI_ISL_1057772, EPI_ISL_1057773, EPI_ISL_1057774, EPI_ISL_1057775, EPI_ISL_1057776, EPI_ISL_1057777, EPI_ISL_1057778, EPI_ISL_1057779, EPI_ISL_1057780, EPI_ISL_1057781, EPI_ISL_1057782, EPI_ISL_1057783, EPI_ISL_1057784, EPI_ISL_1057786, EPI_ISL_1057787, EPI_ISL_1057788, EPI_ISL_1057789, EPI_ISL_1057790, EPI_ISL_1057791			
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_1058040	SIESP CHIETI DRIVE IN LANCIANO	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_1058042	SIESP CHIETI - DRIVE IN ORTONA	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_1058043	SIESP CHIETI - DRIVE IN 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_1058044, EPI_ISL_1058045	SIESP CHIETI - DRIVE IN ORTONA	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_1058441, EPI_ISL_1058442	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_1058444	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_1058445, EPI_ISL_1058446, EPI_ISL_1058447, EPI_ISL_1058449, EPI_ISL_1058450, EPI_ISL_1058451, EPI_ISL_1058452, EPI_ISL_1058453, EPI_ISL_1058454, EPI_ISL_1058455, EPI_ISL_1058456, EPI_ISL_1058458, EPI_ISL_1058462			
see above	CHR de La Citadelle	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1058464, EPI_ISL_1058465, EPI_ISL_1058466, EPI_ISL_1058467, EPI_ISL_1058469, EPI_ISL_1058470, EPI_ISL_1058474, EPI_ISL_1058475, EPI_ISL_1058477, EPI_ISL_1058489, EPI_ISL_1058492, EPI_ISL_1058496, EPI_ISL_1058497			
see above	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_1058583	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_1058632, EPI_ISL_1058649, EPI_ISL_1058650, EPI_ISL_1058651, EPI_ISL_1058652, EPI_ISL_1058653, EPI_ISL_1058654, EPI_ISL_1058655, EPI_ISL_1058656, EPI_ISL_1058657, EPI_ISL_1058658, EPI_ISL_1058659, EPI_ISL_1058660, EPI_ISL_1058661, EPI_ISL_1058662, EPI_ISL_1058663, EPI_ISL_1058664			
see above	University of Liège COVID-19 testing center	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Sébastien Bontems, Fabrice Bureau, Laurent Gillet, Wouter Coppieters, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1059043	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_1060371, EPI_ISL_1060372, EPI_ISL_1060373, EPI_ISL_1060374, EPI_ISL_1060375, EPI_ISL_1060376	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,Fiorina Jc
EPI_ISL_1060377	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_1060383, EPI_ISL_1060387, EPI_ISL_1060388	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,Guinoiseau Thibault
EPI_ISL_1060567	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,L'Honneur Anne-Sophie
EPI_ISL_1062875	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_1063190, EPI_ISL_1063192, EPI_ISL_1063194, EPI_ISL_1063218, EPI_ISL_1063230, EPI_ISL_1063231, EPI_ISL_1063233, EPI_ISL_1063237, EPI_ISL_1063238, EPI_ISL_1063242, EPI_ISL_1063251, EPI_ISL_1063253, EPI_ISL_1063254, EPI_ISL_1063255, EPI_ISL_1063256, EPI_ISL_1063257, EPI_ISL_1063258, EPI_ISL_1063260, EPI_ISL_1063261, EPI_ISL_1063262, EPI_ISL_1063264, EPI_ISL_1063265, EPI_ISL_1063266, EPI_ISL_1063267, EPI_ISL_1063268, EPI_ISL_1063269, EPI_ISL_1063271, EPI_ISL_1063272, EPI_ISL_1063273, EPI_ISL_1063274, EPI_ISL_1063275, EPI_ISL_1063276, EPI_ISL_1063277, EPI_ISL_1063278, EPI_ISL_1063279, EPI_ISL_1063280, EPI_ISL_1063281, EPI_ISL_1063282, EPI_ISL_1063283, EPI_ISL_1063284, EPI_ISL_1063285, EPI_ISL_1063286, EPI_ISL_1063287, EPI_ISL_1063397			
see above	Randox Laboratories	Wellcome Sanger Institute for the COVID-19 Genomics UK	Randox Laboratories and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic

		(COG-UK) Consortium	Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1063500, EPI_ISL_1063501, EPI_ISL_1063502, EPI_ISL_1063504, EPI_ISL_1063512, EPI_ISL_1063513, EPI_ISL_1063514, EPI_ISL_1063515, EPI_ISL_1063516, EPI_ISL_1063517	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_1064005	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron	Cristina Andrés, María Piñana, Josep F Abril, Damir Garcia-Cehic, Ariadna Rando, Juliana Esperalba, María Gema Codina, Carla Castillo, María Carmen Martín, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_1064334, EPI_ISL_1064337, EPI_ISL_1064339, EPI_ISL_1064340	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1064372, EPI_ISL_1064377, EPI_ISL_1064382, EPI_ISL_1064383, EPI_ISL_1064388	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1064442, EPI_ISL_1064443	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_1064785	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064786	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064787	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1064788	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1068416, EPI_ISL_1068602, EPI_ISL_1068603	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1069991, EPI_ISL_1069992, EPI_ISL_1069995, EPI_ISL_1069998, EPI_ISL_1070001, EPI_ISL_1070006, EPI_ISL_1070019, EPI_ISL_1070022, EPI_ISL_1070037, EPI_ISL_1070042, EPI_ISL_1070048, EPI_ISL_1070050, EPI_ISL_1070053, EPI_ISL_1070058, EPI_ISL_1070061, EPI_ISL_1070064, EPI_ISL_1070071, EPI_ISL_1070073, EPI_ISL_1070082, EPI_ISL_1070083, EPI_ISL_1070084, EPI_ISL_1070085, EPI_ISL_1070090, EPI_ISL_1070094, EPI_ISL_1070100, EPI_ISL_1070106, EPI_ISL_1070107, EPI_ISL_1070113, EPI_ISL_1070115, EPI_ISL_1070118, EPI_ISL_1070122, EPI_ISL_1070124, EPI_ISL_1070125, EPI_ISL_1070129			
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_1070343, EPI_ISL_1070383, EPI_ISL_1070384, EPI_ISL_1070392, EPI_ISL_1070402, EPI_ISL_1070431, EPI_ISL_1070434, EPI_ISL_1070448, EPI_ISL_1070465, EPI_ISL_1070469, EPI_ISL_1070475, EPI_ISL_1070491, EPI_ISL_1070530, EPI_ISL_1070551, EPI_ISL_1070562, EPI_ISL_1070584			
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_1070733, EPI_ISL_1070736, EPI_ISL_1070744, EPI_ISL_1070745, EPI_ISL_1070749, EPI_ISL_1070756, EPI_ISL_1070759, EPI_ISL_1070762, EPI_ISL_1070765, EPI_ISL_1070766, EPI_ISL_1070767, EPI_ISL_1070769, EPI_ISL_1070770, EPI_ISL_1070771, EPI_ISL_1070773, EPI_ISL_1070777, EPI_ISL_1070781, EPI_ISL_1070782, EPI_ISL_1070791, EPI_ISL_1070794, EPI_ISL_1070795, EPI_ISL_1070804, EPI_ISL_1070807, EPI_ISL_1070810, EPI_ISL_1070814, EPI_ISL_1070815, EPI_ISL_1070819, EPI_ISL_1070822, EPI_ISL_1070824, EPI_ISL_1070832, EPI_ISL_1070834, EPI_ISL_1070835, EPI_ISL_1070839, EPI_ISL_1070842, EPI_ISL_1070843, EPI_ISL_1070849, EPI_ISL_1070859, EPI_ISL_1070860, EPI_ISL_1070861, EPI_ISL_1070865, EPI_ISL_1070873, EPI_ISL_1070877, EPI_ISL_1070879, EPI_ISL_1070883, EPI_ISL_1070887, EPI_ISL_1070888, EPI_ISL_1070899, EPI_ISL_1070901, EPI_ISL_1070903, EPI_ISL_1070907, EPI_ISL_1070912, EPI_ISL_1070913, EPI_ISL_1070914, EPI_ISL_1070917, EPI_ISL_1070927, EPI_ISL_1070930, EPI_ISL_1070936, EPI_ISL_1070945, EPI_ISL_1070949, EPI_ISL_1070956, EPI_ISL_1070957, EPI_ISL_1070969, EPI_ISL_1071004, EPI_ISL_1071007, EPI_ISL_1071010, EPI_ISL_1071017, EPI_ISL_1071022, EPI_ISL_1071026, EPI_ISL_1071032, EPI_ISL_1071035, EPI_ISL_1071040			
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_1073920	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 Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1073927, EPI_ISL_1073928, EPI_ISL_1073929	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 Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1079352	Genomic Medicine Laboratory, IRCCS Santa Lucia Foundation	INMI Lazzaro Spallanzani IRCCS	CEM Gruber, B Bartolini, E Giombini, F Messina, M Rueca, O Butera, E Giardina, A Di Caro, MR Capobianchi
EPI_ISL_1079355	Genomic Medicine Laboratory, IRCCS Santa Lucia Foundation	INMI Lazzaro Spallanzani IRCCS	B Bartolini, E Giombini, F Messina, M Rueca, O Butera, CEM Gruber, E Giardina, MR Capobianchi, A Di Caro
EPI_ISL_1080313, EPI_ISL_1080332, EPI_ISL_1080412	Houston Methodist Hospital	Houston Methodist Hospital	S. Wesley Long, Randall J. Olsen, Paul A. Christensen, Sishir Subedi, Robert Olson, James J. Davis, Matthew Ojeda Saavedra, Prasanti Yerramilli, Layne Pruitt, Kristina Reppond, Madison N. Shyer, Jessica Cambric, Ilya J. Finkelstein, Jimmy Golihar, and James M. Musser
EPI_ISL_1081049, EPI_ISL_1081051, EPI_ISL_1081063, EPI_ISL_1081065	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_1081097	2e_CMA-9e_AM	IRBA, 2MI	GORGE O., DEPEILLE A., CHAPUS C., JALADY A.-M.
EPI_ISL_1081098	Biology Lab, HIA BEGIN	IRBA, 2MI	GORGE O., DEPEILLE A., CHAPUS C., MERENS-GONTIER A.
EPI_ISL_1081264, EPI_ISL_1081265	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1084747	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1085162	Laboratory of Infectious Diseases, Department of Biomedical and Clinical Sciences L. Sacco, University of Milan	Laboratory of Infectious Diseases, Department of Biomedical and Clinical Sciences L. Sacco, University of Milan	Alessia Lai, Annalisa Bergna, Carla Della Ventura, Claudia Balotta, Massimo Galli, Gianguglielmo Zehender on behalf of SARS-CoV-2 ITALIAN RESEARCH ENTERPRISE-(SCIRE) Collaborative Group
EPI_ISL_1085168, EPI_ISL_1085171, EPI_ISL_1085175	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo Cotzia, Guiqing Wang
EPI_ISL_1085425	Hpital 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_1085441	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_1085453, EPI_ISL_1085454	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_1085455, EPI_ISL_1085461	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_1085472	CHI VILLENEUVE ST GEORGES	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

		Créteil, INSERM U955	
EPI_ISL_1085473	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_1085474	Hpital 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_1085476, EPI_ISL_1085477, EPI_ISL_1085478, EPI_ISL_1085501	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_1085507	Hpital 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_1085510	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_1085555	Hpital 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_1085565, EPI_ISL_1085574	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_1085578, EPI_ISL_1085579, EPI_ISL_1085586, EPI_ISL_1085587	Hpital 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_1085588, EPI_ISL_1085589, EPI_ISL_1085590, EPI_ISL_1085591	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_1085592	Hpital 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_1085594	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_1085605	Hpital 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_1085618	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_1085620	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_1085625	Hpital 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_1089462, EPI_ISL_1089463, EPI_ISL_1089464, EPI_ISL_1089465, EPI_ISL_1089466, EPI_ISL_1089467, EPI_ISL_1089468, EPI_ISL_1089469, EPI_ISL_1089470, EPI_ISL_1089471, EPI_ISL_1089472, EPI_ISL_1089473, EPI_ISL_1089474, EPI_ISL_1089475, EPI_ISL_1089476, EPI_ISL_1089477, EPI_ISL_1089478, EPI_ISL_1089479, EPI_ISL_1089480, EPI_ISL_1089481, EPI_ISL_1089482, EPI_ISL_1089483, EPI_ISL_1089484, EPI_ISL_1089485, EPI_ISL_1089486, EPI_ISL_1089487, EPI_ISL_1089488, EPI_ISL_1089489, EPI_ISL_1089490, EPI_ISL_1089491, EPI_ISL_1089492, EPI_ISL_1089493, EPI_ISL_1089494, EPI_ISL_1089495, EPI_ISL_1089496, EPI_ISL_1089497, EPI_ISL_1089498, EPI_ISL_1089499, EPI_ISL_1089595, EPI_ISL_1089596, EPI_ISL_1089630, EPI_ISL_1089660, EPI_ISL_1089661, EPI_ISL_1089662, EPI_ISL_1089663, EPI_ISL_1089664, EPI_ISL_1089665, EPI_ISL_1089666, EPI_ISL_1089667, EPI_ISL_1089668, EPI_ISL_1089669, EPI_ISL_1089670, EPI_ISL_1089671, EPI_ISL_1089672, EPI_ISL_1089673, EPI_ISL_1089674, EPI_ISL_1089675, EPI_ISL_1089676, EPI_ISL_1089677, EPI_ISL_1089678			
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_1091179, EPI_ISL_1091181, EPI_ISL_1091189, EPI_ISL_1091190, EPI_ISL_1091192	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1091140, EPI_ISL_1091411, EPI_ISL_1091413	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_1091612, EPI_ISL_1091613, EPI_ISL_1091614, EPI_ISL_1091615, EPI_ISL_1091616, EPI_ISL_1091617	Landstuhl Regional Medical Center	US Air Force School of Aerospace Medicine	Anthony Fries, Jennifer Meyer, William Gruner, William Buggele, Amanda Javorina, Sarah Purves, Fritz Castillo, Cole Anderson, Clarise Starr, Elizabeth Macias
EPI_ISL_1091814, EPI_ISL_1091815, EPI_ISL_1091825	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_1091872, EPI_ISL_1091874, EPI_ISL_1091875, EPI_ISL_1091876, EPI_ISL_1091877, EPI_ISL_1091878, EPI_ISL_1091879, EPI_ISL_1091880, EPI_ISL_1091881	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_1091882	Grubaugh Lab - Yale School of Public Health	Grubaugh Lab - Yale School of Public Health	Mary Petrone, Joseph Fauver, Mallery Breban, Annie Watkins, Chantal Vogels, Nathan Grubaugh
EPI_ISL_1091891, EPI_ISL_1091893, EPI_ISL_1091894, EPI_ISL_1091895	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_1092385, EPI_ISL_1092397, EPI_ISL_1092421, EPI_ISL_1092422, EPI_ISL_1092423, EPI_ISL_1092460, EPI_ISL_1092463, EPI_ISL_1092464, EPI_ISL_1092465, EPI_ISL_1092466, EPI_ISL_1092469, EPI_ISL_1092525, EPI_ISL_1092530, EPI_ISL_1092552, EPI_ISL_1092553, EPI_ISL_1092557, EPI_ISL_1092601, EPI_ISL_1092602, EPI_ISL_1092680, EPI_ISL_1092690, EPI_ISL_1092691, EPI_ISL_1092693, EPI_ISL_1092694, EPI_ISL_1092695, EPI_ISL_1092696, EPI_ISL_1092697, EPI_ISL_1092698, EPI_ISL_1092699, EPI_ISL_1092710, EPI_ISL_1092766, EPI_ISL_1092841, EPI_ISL_1092848, EPI_ISL_1092849, EPI_ISL_1092860, EPI_ISL_1092861, EPI_ISL_1092864, EPI_ISL_1092865, EPI_ISL_1092886, EPI_ISL_1092890, EPI_ISL_1092903, EPI_ISL_1092910, EPI_ISL_1092911, EPI_ISL_1092976			
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_1095409, EPI_ISL_1095410, EPI_ISL_1095412	Virginia Division of Consolidated Laboratory Services	Virginia Division of Consolidated Laboratory Services	Virginia DCLS
EPI_ISL_1095673, EPI_ISL_1095675	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1096225	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1096343	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1097652	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_1098602, EPI_ISL_1098603	Cambodian National Public Health Laboratory, National Institute of Public Health	Virology Unit, Institut Pasteur du Cambodge	Sokhoun Yann, Ly Sovann, Kraing Sidonn, Yi Sengdoeurn, Chin Savuth, Chau Darapheak, Veasna Duong, Erik A Karlsson
EPI_ISL_1103590	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_1103756	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_1103758, EPI_ISL_1103763, EPI_ISL_1103764, EPI_ISL_1103766, EPI_ISL_1103768, EPI_ISL_1103769, EPI_ISL_1103770, EPI_ISL_1103772, EPI_ISL_1103773, EPI_ISL_1103775, EPI_ISL_1103776, EPI_ISL_1103777, EPI_ISL_1103778, EPI_ISL_1103780, EPI_ISL_1103781, EPI_ISL_1103782, EPI_ISL_1103783, EPI_ISL_1103784, EPI_ISL_1103785, EPI_ISL_1103786, EPI_ISL_1103787, EPI_ISL_1103788, EPI_ISL_1103789, EPI_ISL_1103790, EPI_ISL_1103793, EPI_ISL_1103800, EPI_ISL_1103801, EPI_ISL_1103802	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
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_1104198, EPI_ISL_1104199, EPI_ISL_1104202, EPI_ISL_1104203, EPI_ISL_1104204, EPI_ISL_1104205, EPI_ISL_1104209, EPI_ISL_1104210, EPI_ISL_1104211	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_1104297, EPI_ISL_1104300	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, Joeseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1104386, EPI_ISL_1104389, EPI_ISL_1104395, EPI_ISL_1104423, EPI_ISL_1104424, EPI_ISL_1104432, EPI_ISL_1104433, EPI_ISL_1104437, EPI_ISL_1104439, EPI_ISL_1104442, EPI_ISL_1104445, EPI_ISL_1104449, EPI_ISL_1104512, EPI_ISL_1104513, EPI_ISL_1104514, EPI_ISL_1104515, EPI_ISL_1104519, EPI_ISL_1104535, EPI_ISL_1104536, EPI_ISL_1104537, EPI_ISL_1104538, EPI_ISL_1104539, EPI_ISL_1104541, EPI_ISL_1104569	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
see above			
EPI_ISL_1104620, EPI_ISL_1104621, EPI_ISL_1104622, EPI_ISL_1104623, EPI_ISL_1104624, EPI_ISL_1104625, EPI_ISL_1104626, EPI_ISL_1104627, EPI_ISL_1104628, EPI_ISL_1104629	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 Tutili, 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_1105040, EPI_ISL_1105048, EPI_ISL_1105052, EPI_ISL_1105053, EPI_ISL_1105064, EPI_ISL_1105067, EPI_ISL_1105071, EPI_ISL_1105074, EPI_ISL_1105076, EPI_ISL_1105087, EPI_ISL_1105088, EPI_ISL_1105095, EPI_ISL_1105096, EPI_ISL_1105097, EPI_ISL_1105098, EPI_ISL_1105101, EPI_ISL_1105105, EPI_ISL_1105106, EPI_ISL_1105110, EPI_ISL_1105111, EPI_ISL_1105118, EPI_ISL_1105119, EPI_ISL_1105124, EPI_ISL_1105129, EPI_ISL_1105130, EPI_ISL_1105134, EPI_ISL_1105135, EPI_ISL_1105136, EPI_ISL_1105138, EPI_ISL_1105144, EPI_ISL_1105145, EPI_ISL_1105147, EPI_ISL_1105150, EPI_ISL_1105152, EPI_ISL_1105153, EPI_ISL_1105154, EPI_ISL_1105158, EPI_ISL_1105160, EPI_ISL_1105161, EPI_ISL_1105166, EPI_ISL_1105167, EPI_ISL_1105171, EPI_ISL_1105181, EPI_ISL_1105183, EPI_ISL_1105188, EPI_ISL_1105195, EPI_ISL_1105196, EPI_ISL_1105238, EPI_ISL_1105239, EPI_ISL_1105243, EPI_ISL_1105249	University College London Hospital	Judith Heaney, Matthew Byott, Catherine Houlihan, Dan Frampton, Stuart Kirk, Moira Spyer and Eleni Nastouli	
see above			
EPI_ISL_1105464	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 Tutili, 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_1105538, EPI_ISL_1105539, EPI_ISL_1105540, EPI_ISL_1105541, EPI_ISL_1105542, EPI_ISL_1105544, EPI_ISL_1105545, EPI_ISL_1105546, EPI_ISL_1105547, EPI_ISL_1105548, EPI_ISL_1105549, EPI_ISL_1105550, EPI_ISL_1105551, EPI_ISL_1105552, EPI_ISL_1105553, EPI_ISL_1105554, EPI_ISL_1105555, EPI_ISL_1105557, EPI_ISL_1105558, EPI_ISL_1105559, EPI_ISL_1105560, EPI_ISL_1105561, EPI_ISL_1105562, EPI_ISL_1105563, EPI_ISL_1105565, EPI_ISL_1105567, EPI_ISL_1105568, EPI_ISL_1105569, EPI_ISL_1105570, EPI_ISL_1105571	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
see above			
EPI_ISL_1105572	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_1105573, EPI_ISL_1105574, EPI_ISL_1105575	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Angyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1105731, EPI_ISL_1105732, EPI_ISL_1105733	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_1105877, EPI_ISL_1105878, EPI_ISL_1105879, EPI_ISL_1105880, EPI_ISL_1105881, EPI_ISL_1105882, EPI_ISL_1105905, EPI_ISL_1105906, EPI_ISL_1105907, EPI_ISL_1105908, EPI_ISL_1105909, EPI_ISL_1105910, EPI_ISL_1105911, EPI_ISL_1105912	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joeseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
see above			
EPI_ISL_1106606, EPI_ISL_1106626, EPI_ISL_1106649, EPI_ISL_1106663, EPI_ISL_1106664, EPI_ISL_1106670, EPI_ISL_1106672	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiari, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1107641, EPI_ISL_1107642,	Centre for Enzyme Innovation, University of Portsmouth /	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_1107665, EPI_ISL_1107666, EPI_ISL_1107667, EPI_ISL_1107668, EPI_ISL_1107669, EPI_ISL_1107670, EPI_ISL_1107786	Translational Research Laboratory, Portsmouth Hospitals NHS Trust		
EPI_ISL_1107804, EPI_ISL_1107805, EPI_ISL_1107806, EPI_ISL_1107807, EPI_ISL_1107808, EPI_ISL_1107809, EPI_ISL_1107810	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_1107832, EPI_ISL_1107833, EPI_ISL_1107834, EPI_ISL_1107835, EPI_ISL_1107836, EPI_ISL_1107837	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_1107839	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_1107840, EPI_ISL_1107843, EPI_ISL_1107844, EPI_ISL_1107866, EPI_ISL_1107867, EPI_ISL_1107871, EPI_ISL_1107872, EPI_ISL_1107894, EPI_ISL_1107895, EPI_ISL_1107900, EPI_ISL_1107997, EPI_ISL_1107998, EPI_ISL_1108000, EPI_ISL_1108001, EPI_ISL_1108003, EPI_ISL_1108066, EPI_ISL_1108074, EPI_ISL_1108075	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
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_1109045, EPI_ISL_1109046, EPI_ISL_1109047, EPI_ISL_1109048, EPI_ISL_1109049, EPI_ISL_1109056, EPI_ISL_1109057, EPI_ISL_1109058, EPI_ISL_1109059, EPI_ISL_1109061, EPI_ISL_1109062, EPI_ISL_1109063, EPI_ISL_1109065, EPI_ISL_1109066, EPI_ISL_1109067, EPI_ISL_1109068, EPI_ISL_1109069, EPI_ISL_1109070, EPI_ISL_1109071, EPI_ISL_1109072, EPI_ISL_1109073, EPI_ISL_1109074, EPI_ISL_1109075, EPI_ISL_1109076, EPI_ISL_1109077, EPI_ISL_1109078, EPI_ISL_1109079, EPI_ISL_1109080, EPI_ISL_1109081, EPI_ISL_1109082, EPI_ISL_1109083, EPI_ISL_1109084, EPI_ISL_1109085, EPI_ISL_1109086, EPI_ISL_1109087, EPI_ISL_1109089, EPI_ISL_1109090, EPI_ISL_1109091, EPI_ISL_1109092, EPI_ISL_1109093, EPI_ISL_1109094, EPI_ISL_1109095, EPI_ISL_1109096, EPI_ISL_1109097, EPI_ISL_1109098, EPI_ISL_1109099, EPI_ISL_1109100, EPI_ISL_1109101, EPI_ISL_1109102, EPI_ISL_1109103, EPI_ISL_1109104, EPI_ISL_1109105, EPI_ISL_1109106, EPI_ISL_1109107, EPI_ISL_1109108, EPI_ISL_1109109, EPI_ISL_1109110, EPI_ISL_1109111, EPI_ISL_1109112, EPI_ISL_1109113, EPI_ISL_1109114, EPI_ISL_1109115, EPI_ISL_1109116, EPI_ISL_1109124, EPI_ISL_1109125, EPI_ISL_1109126, EPI_ISL_1109127, EPI_ISL_1109130, EPI_ISL_1109131, EPI_ISL_1109132, EPI_ISL_1109133, EPI_ISL_1109134, EPI_ISL_1109135, EPI_ISL_1109136, EPI_ISL_1109137, EPI_ISL_1109138, EPI_ISL_1109139, EPI_ISL_1109140, EPI_ISL_1109141, EPI_ISL_1109145, EPI_ISL_1109146, EPI_ISL_1109160, EPI_ISL_1109161, EPI_ISL_1109162, EPI_ISL_1109164, EPI_ISL_1109165, EPI_ISL_1109167, EPI_ISL_1109168, EPI_ISL_1109169, EPI_ISL_1109170, EPI_ISL_1109171, EPI_ISL_1109172, EPI_ISL_1109173, EPI_ISL_1109175, EPI_ISL_1109176, EPI_ISL_1109177, EPI_ISL_1109178, EPI_ISL_1109179, EPI_ISL_1109180, EPI_ISL_1109181, EPI_ISL_1109182, EPI_ISL_1109183, EPI_ISL_1109184, EPI_ISL_1109185, EPI_ISL_1109186, EPI_ISL_1109187, EPI_ISL_1109188, EPI_ISL_1109189, EPI_ISL_1109190, EPI_ISL_1109191, EPI_ISL_1109192, EPI_ISL_1109209, EPI_ISL_1109210, EPI_ISL_1109211, EPI_ISL_1109212, EPI_ISL_1109213, EPI_ISL_1109219, EPI_ISL_1109220, EPI_ISL_1109221, EPI_ISL_1109222, EPI_ISL_1109224, EPI_ISL_1109225, EPI_ISL_1109226, EPI_ISL_1109227, EPI_ISL_1109228	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_1109230, EPI_ISL_1109240	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_1109243, EPI_ISL_1109244, EPI_ISL_1109245, EPI_ISL_1109246, EPI_ISL_1109247, EPI_ISL_1109248, EPI_ISL_1109249, EPI_ISL_1109250, EPI_ISL_1109251, EPI_ISL_1109252, EPI_ISL_1109253, EPI_ISL_1109254, EPI_ISL_1109255, EPI_ISL_1109256, EPI_ISL_1109257, EPI_ISL_1109258, EPI_ISL_1109259, EPI_ISL_1109260, EPI_ISL_1109261, EPI_ISL_1109262, EPI_ISL_1109263, EPI_ISL_1109264, EPI_ISL_1109265, EPI_ISL_1109266, EPI_ISL_1109267, EPI_ISL_1109268, EPI_ISL_1109271, EPI_ISL_1109272, EPI_ISL_1109273, EPI_ISL_1109276, EPI_ISL_1109277, EPI_ISL_1109278, EPI_ISL_1109279, EPI_ISL_1109280, EPI_ISL_1109281, EPI_ISL_1109282, EPI_ISL_1109284, EPI_ISL_1109285, EPI_ISL_1109286, EPI_ISL_1109287, EPI_ISL_1109288, EPI_ISL_1109289, EPI_ISL_1109290, EPI_ISL_1109291, EPI_ISL_1109292, EPI_ISL_1109293, EPI_ISL_1109294, EPI_ISL_1109295, EPI_ISL_1109296, EPI_ISL_1109297, EPI_ISL_1109298, EPI_ISL_1109299, EPI_ISL_1109300, EPI_ISL_1109301, EPI_ISL_1109302, EPI_ISL_1109303, EPI_ISL_1109304, EPI_ISL_1109305, EPI_ISL_1109306, EPI_ISL_1109307, EPI_ISL_1109308, EPI_ISL_1109309, EPI_ISL_1109310, EPI_ISL_1109311, EPI_ISL_1109312, EPI_ISL_1109313, EPI_ISL_1109314, EPI_ISL_1109315, EPI_ISL_1109316, EPI_ISL_1109317	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1109489, EPI_ISL_1109498	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109501, EPI_ISL_1109502	University Hospital for Infectious Diseases	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109503	Public Health Institute of Šibenik-Knin County	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109504	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109638, EPI_ISL_1109641, EPI_ISL_1109644, EPI_ISL_1109645	Althaia. 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, Eulàlia Grau, Bonaventura Clotet
EPI_ISL_1109745, EPI_ISL_1109819, EPI_ISL_1109821, EPI_ISL_1109823	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1110138	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_1110139	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_1110154	Hpital 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_1110158, EPI_ISL_1110159	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_1110529	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 Vøllan, Karoline Bragstad, Olav Hungenes
EPI_ISL_1110650, EPI_ISL_1110651, EPI_ISL_1110652, EPI_ISL_1110653, EPI_ISL_1110654, EPI_ISL_1110655, EPI_ISL_1110656, EPI_ISL_1110657, EPI_ISL_1110661, EPI_ISL_1110663	Helix/Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efen Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1111549	Virginia Division of Consolidated Laboratory Services	Virginia Division of Consolidated Laboratory Services	Virginia DCLS
EPI_ISL_1114456, EPI_ISL_1114460, EPI_ISL_1114466, EPI_ISL_1114468	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin L. Young, Kelly F. Oakeson, Tara Gallagher
EPI_ISL_1116311, EPI_ISL_1116312, EPI_ISL_1116313, EPI_ISL_1116314, EPI_ISL_1116315, EPI_ISL_1116317, EPI_ISL_1116318, EPI_ISL_1116319, EPI_ISL_1116320, EPI_ISL_1116321, EPI_ISL_1116322, EPI_ISL_1116323, EPI_ISL_1116324, EPI_ISL_1116325, EPI_ISL_1116326, EPI_ISL_1116327, EPI_ISL_1116328,			

EPI_ISL_1116329, EPI_ISL_1116330, EPI_ISL_1116331, EPI_ISL_1116332, EPI_ISL_1116333, EPI_ISL_1116334, EPI_ISL_1116335, EPI_ISL_1116336, EPI_ISL_1116337, EPI_ISL_1116338, EPI_ISL_1116340, EPI_ISL_1116341, EPI_ISL_1116342, EPI_ISL_1116343, EPI_ISL_1116344	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_1116474	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata		Parisi A., Bianco A., Capozzi L., Del Sambro L., Simone D., Chironna M., Loconsole D., Sallustio A., Giannico A.
EPI_ISL_1116661, EPI_ISL_1116930, EPI_ISL_1116931, EPI_ISL_1116996, EPI_ISL_1116997, EPI_ISL_1116998, EPI_ISL_1117001	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)		Borges et al
EPI_ISL_1117710, EPI_ISL_1117711, EPI_ISL_1117712, EPI_ISL_1117736	National Virus Reference Laboratory	National Virus Reference Laboratory		Zoe Yandle, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascon
EPI_ISL_1117783	Department of Microbiology, University Innsbruck	Berghthaler 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 Berghthaler
EPI_ISL_1117817, EPI_ISL_1117822, EPI_ISL_1117836, EPI_ISL_1117848, EPI_ISL_1117849, EPI_ISL_1117851, EPI_ISL_1117852, EPI_ISL_1117853	Center for Virology, Medical University of Vienna	Berghthaler 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 Berghthaler
EPI_ISL_1117892	Institute for Water Quality and Resource Management, Technical University Vienna	Berghthaler 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 Berghthaler
EPI_ISL_1117911	Department of Microbiology, University Innsbruck	Berghthaler 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 Berghthaler
EPI_ISL_1118314	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_1118319	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_1118361, EPI_ISL_1118362	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_1118363, EPI_ISL_1118364, EPI_ISL_1118365, EPI_ISL_1118366	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_1118367	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_1118368, EPI_ISL_1118369	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_1118370	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_1118371	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_1118372	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_1118373	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_1118375	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_1118376, EPI_ISL_1118377, EPI_ISL_1118378	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_1118379, EPI_ISL_1118380	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_1118411	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_1118894	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris		Marion Barbet, Sylvie Behillill, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Guinard Jérôme
EPI_ISL_1118931	National Institute of Health Research and Development	National Institute of Health Research and Development		Hana Apasari Pawestri, Subangkit, Kartika Dewi Puspa, Arie Ardiansyah Nugraha, Hartanti Dian Ikawati, Krisna Nur Andriana Pangesti, Yuni Rukminiati, Ririn Ramadany, Agustiningsih, 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 Lorida Indalao, Nelly Puspandari, Vivi Setiawaty.
EPI_ISL_1129340, EPI_ISL_1129358, EPI_ISL_1129382, EPI_ISL_1129405, EPI_ISL_1129408, EPI_ISL_1129428	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_1129446, EPI_ISL_1129486	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich		Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1129530, EPI_ISL_1129641, EPI_ISL_1129743, EPI_ISL_1129763, EPI_ISL_1129793, EPI_ISL_1129809	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_1129828, EPI_ISL_1129829, EPI_ISL_1129830	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich		Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1129840, EPI_ISL_1129842, EPI_ISL_1129846, EPI_ISL_1129899, EPI_ISL_1129901, EPI_ISL_1129929, EPI_ISL_1129946	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_1129953	Viollier AG	Department of Biosystems Science and Engineering, ETH	Chaoran Chen, Sarah Nadeau, Ivan Topolsky, Emmanouil Dermizakis, Keith Harshman, Ioannis Xenarios, Henri Pegeot, Lorenzo Cerutti, Deborah Penet,	

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[illegible]

EPI_ISL_1132795, EPI_ISL_1132799, EPI_ISL_1132800, EPI_ISL_1132801, EPI_ISL_1132802, EPI_ISL_1132803			
EPI_ISL_1134865, EPI_ISL_1134887, EPI_ISL_1134901	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1134958, EPI_ISL_1134961, EPI_ISL_1134965, EPI_ISL_1134967, EPI_ISL_1134968, EPI_ISL_1134971, EPI_ISL_1134973, EPI_ISL_1134974, EPI_ISL_1134978, EPI_ISL_1134985	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_1135038	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_1135039	Givors	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1135056	C.H. PRINCESSE GRACE	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_1135062, EPI_ISL_1135064	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_1138561	Laboratory of Communicable Diseases	1. Laboratory of Communicable Diseases (Estonia); 2. Eurofins Genomics Europe Sequencing GmbH	Lidia Dotsenko
EPI_ISL_1138886, EPI_ISL_1138896	Jessa	Jessa	Cruys et al. on behalf of the Jessa_cmdLab
EPI_ISL_1140102, EPI_ISL_1140103, EPI_ISL_1140104, EPI_ISL_1140106, EPI_ISL_1140107, EPI_ISL_1140108	Università di Parma, Laboratorio di Igiene e Sanità Pubblica	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Risk Analysis and Genomic Epidemiology Unit	Maria Eugenia Colucci, Licia Veronesi, Paola Affanni, Marina Morganti, Ilaria Menozzi, Erika Scaltriti, Stefano Pongolini
EPI_ISL_1142134, EPI_ISL_1142145, EPI_ISL_1142162	Limbach - MVZ Labor Dr. Volkmann & Kollegen	Robert Koch Institute	unknown
EPI_ISL_1142610	LADR Zentrallabor DR. Kramer & Kollegen Geesthacht	Robert Koch Institute	unknown
EPI_ISL_1143135	LabKom - Labor Mainz MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1143151	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1143920, EPI_ISL_1143922, EPI_ISL_1143925, EPI_ISL_1143926	Uniklinikum Regensburg; Institut für Mikrobiologie	Robert Koch Institute	unknown
EPI_ISL_1144317, EPI_ISL_1144325, EPI_ISL_1144334, EPI_ISL_1144338	Labor Blackholm MVZ	Robert Koch Institute	unknown
EPI_ISL_1144383	IMD Labor Frankfurt	Robert Koch Institute	unknown
EPI_ISL_1144384, EPI_ISL_1144385, EPI_ISL_1144386, EPI_ISL_1144387, EPI_ISL_1144388	Klinikum der Stadt Ludwigshafen - Institut für Labordiagnostik Hygiene und Transfusionsmedizin	Robert Koch Institute	unknown
EPI_ISL_1145005	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1145008, EPI_ISL_1145023, EPI_ISL_1145028	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1145036, EPI_ISL_1145113	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1145178	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1145205	Uniklinikum Regensburg; Institut für Mikrobiologie	Robert Koch Institute	unknown
EPI_ISL_1145229, EPI_ISL_1145233, EPI_ISL_1145234, EPI_ISL_1145240, EPI_ISL_1145255, EPI_ISL_1145257, EPI_ISL_1145259, EPI_ISL_1145260, EPI_ISL_1145261, EPI_ISL_1145265	MVZ Dr. Eberhard & Partner Dortmund	Robert Koch Institute	unknown
EPI_ISL_1145284, EPI_ISL_1145285	Philipps-Universität Marburg Fachbereich Medizin Institut für Virologie	Robert Koch Institute	unknown
EPI_ISL_1145287	Universitätsklinikum Gießen - Institut für Medizinische Virologie	Robert Koch Institute	unknown
EPI_ISL_1145310, EPI_ISL_1145324	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1145419	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145442	Praxisgemeinschaft für Laboratoriumsmedizin Labor Blumenstraße; Praxis Dr. Sel und Dr. Späte	Robert Koch Institute	unknown
EPI_ISL_1145448, EPI_ISL_1145453	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145475	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1145482	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145483	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1145489, EPI_ISL_1145493	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145495, EPI_ISL_1145498, EPI_ISL_1145505, EPI_ISL_1145508, EPI_ISL_1145516, EPI_ISL_1145529, EPI_ISL_1145530	LADR Zentrallabor DR. Kramer & Kollegen Geesthacht	Robert Koch Institute	unknown
EPI_ISL_1145667, EPI_ISL_1145669, EPI_ISL_1145684, EPI_ISL_1145689	Dianovis GmbH Greiz	Robert Koch Institute	unknown
EPI_ISL_1145915	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1145929, EPI_ISL_1145930	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1145936, EPI_ISL_1145960, EPI_ISL_1145974	Sonic - Labor Dr. von Foreich GmbH	Robert Koch Institute	unknown
EPI_ISL_1145976	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown

EPI_ISL_1145985, EPI_ISL_1146001	Sonic - Labor Dr. von Foreich GmbH	Robert Koch Institute	unknown
EPI_ISL_1146010	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1146018	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146027	LabKom - Labor Augsburg MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146039	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1146052, EPI_ISL_1146064	Sonic - Labor Dr. von Foreich GmbH	Robert Koch Institute	unknown
EPI_ISL_1146067	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146068	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1146110	Sonic - Labor Dr. von Foreich GmbH	Robert Koch Institute	unknown
EPI_ISL_1146119	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1146126	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1146129, EPI_ISL_1146143, EPI_ISL_1146145	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1146162	Sonic - Labor Dr. von Foreich GmbH	Robert Koch Institute	unknown
EPI_ISL_1146179, EPI_ISL_1146181, EPI_ISL_1146182, EPI_ISL_1146183, EPI_ISL_1146189, EPI_ISL_1146194, EPI_ISL_1146195, EPI_ISL_1146197, EPI_ISL_1146200, EPI_ISL_1146202, EPI_ISL_1146204, EPI_ISL_1146205			
see above	amedes MVZ Hannover	Robert Koch Institute	unknown
EPI_ISL_1146214	amedes MVZ für Laboratoriumsmedizin Hamburg	Robert Koch Institute	unknown
EPI_ISL_1146228, EPI_ISL_1146229, EPI_ISL_1146241	amedes MVZ für Laboratoriumsdiagnostik Raubling GmbH	Robert Koch Institute	unknown
EPI_ISL_1146718, EPI_ISL_1146719, EPI_ISL_1146720	IMD Labor Frankfurt	Robert Koch Institute	unknown
EPI_ISL_1147154	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1147200, EPI_ISL_1147214, EPI_ISL_1147215, EPI_ISL_1147222, EPI_ISL_1147230, EPI_ISL_1147246	MVZ Labor Dr. Fenner und Kollegen (Standort Hamburg)	Robert Koch Institute	unknown
EPI_ISL_1147416, EPI_ISL_1147427	LADR MVZ Zweigpraxis Bernau	Robert Koch Institute	unknown
EPI_ISL_1147590, EPI_ISL_1147591	Herz- und Diabeteszentrum NRW: Universitätsklinik der Ruhr-Universität Bochum --> Institut für Laboratoriums- und Transfusionsmedizin	Robert Koch Institute	unknown
EPI_ISL_1147670, EPI_ISL_1147673, EPI_ISL_1147674	amedes MVZ für Laboratoriumsdiagnostik Raubling GmbH	Robert Koch Institute	unknown
EPI_ISL_1147708, EPI_ISL_1147711	amedes MVZ DIAMEDIS Sennestadt	Robert Koch Institute	unknown
EPI_ISL_1148166	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1148196	Sonic - Dr. Staber & Kollegen GmbH München	Robert Koch Institute	unknown
EPI_ISL_1148201, EPI_ISL_1148210, EPI_ISL_1148211, EPI_ISL_1148216, EPI_ISL_1148225, EPI_ISL_1148276	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1148284	Bioscientia MVZ Labor Karlsruhe GmbH	Robert Koch Institute	unknown
EPI_ISL_1148288, EPI_ISL_1148298	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1148348	Sonic - Dr. Staber & Kollegen GmbH München	Robert Koch Institute	unknown
EPI_ISL_1148365	Bioscientia MVZ Labor Karlsruhe GmbH	Robert Koch Institute	unknown
EPI_ISL_1148391, EPI_ISL_1148443, EPI_ISL_1148444	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1148475, EPI_ISL_1148486, EPI_ISL_1148507	Klinikum der Stadt Ludwigshafen - Institut für Labordiagnostik Hygiene und Transfusionsmedizin	Robert Koch Institute	unknown
EPI_ISL_1148734, EPI_ISL_1148736, EPI_ISL_1148740, EPI_ISL_1148744, EPI_ISL_1148753, EPI_ISL_1148755, EPI_ISL_1148758, EPI_ISL_1148764, EPI_ISL_1148772, EPI_ISL_1148781, EPI_ISL_1148786, EPI_ISL_1148789, EPI_ISL_1148791, EPI_ISL_1148801, EPI_ISL_1148803, EPI_ISL_1148809, EPI_ISL_1148828			
see above	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1148834	SYNLAB MVZ Ettlingen	Robert Koch Institute	unknown
EPI_ISL_1148837, EPI_ISL_1148839, EPI_ISL_1148841	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1148842	SYNLAB MVZ Ettlingen	Robert Koch Institute	unknown
EPI_ISL_1148847, EPI_ISL_1148857, EPI_ISL_1148862, EPI_ISL_1148875, EPI_ISL_1148879, EPI_ISL_1148886, EPI_ISL_1148898, EPI_ISL_1148905, EPI_ISL_1148912, EPI_ISL_1148923, EPI_ISL_1148931, EPI_ISL_1148937, EPI_ISL_1148939, EPI_ISL_1148945, EPI_ISL_1148956, EPI_ISL_1148959, EPI_ISL_1148965, EPI_ISL_1149039, EPI_ISL_1149043, EPI_ISL_1149059, EPI_ISL_1149068, EPI_ISL_1149069			
see above	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1149364, EPI_ISL_1149477	amedes MVZ für Labordiagnostik Rhein-Main	Robert Koch Institute	unknown
EPI_ISL_1149499	amedes MVZ DIAMEDIS Sennestadt	Robert Koch Institute	unknown
EPI_ISL_1150124, EPI_ISL_1150126, EPI_ISL_1150229, EPI_ISL_1150239, EPI_ISL_1150242	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1150288	Plateforme de testing Namuroise	Plateforme de testing Namuroise	Otto Gaetan ; Denis Olivier ; Degosserie Jonathan ; Mullier François
EPI_ISL_1150317, EPI_ISL_1150336, EPI_ISL_1150375, EPI_ISL_1150384	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1151055, EPI_ISL_1151115, EPI_ISL_1151121, EPI_ISL_1151124, EPI_ISL_1151137, EPI_ISL_1151198, EPI_ISL_1151208, EPI_ISL_1151238, EPI_ISL_1151254, EPI_ISL_1151332, EPI_ISL_1151339, EPI_ISL_1151344			
see above	SYNLAB MVZ Weiden	Robert Koch Institute	unknown

EPI_ISL_1151536, EPI_ISL_1151640	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1151877	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1151933, EPI_ISL_1151947, EPI_ISL_1151958	IMD - Labor Oderland	Robert Koch Institute	unknown
EPI_ISL_1151990	IMD - MVZ Labor Greifswald	Robert Koch Institute	unknown
EPI_ISL_1152378, EPI_ISL_1152382, EPI_ISL_1152398, EPI_ISL_1152400, EPI_ISL_1152408	Universitätsklinikum Leipzig - Institut für Medizinische Mikrobiologie und Virologie virologisches Labor	Robert Koch Institute	unknown
EPI_ISL_1152536	MVZ Labor Passau GbR	Robert Koch Institute	unknown
EPI_ISL_1152537, EPI_ISL_1152543, EPI_ISL_1152548	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute	unknown
EPI_ISL_1152550, EPI_ISL_1152555, EPI_ISL_1152571	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1152575	MVZ Labor Dr. Reising-Ackermann und Kollegen	Robert Koch Institute	unknown
EPI_ISL_1152590, EPI_ISL_1152611	MVZ Labor Passau GbR	Robert Koch Institute	unknown
EPI_ISL_1152727, EPI_ISL_1152819	SYNLAB MVZ Leverkusen	Robert Koch Institute	unknown
EPI_ISL_1152857	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1153038	SYNLAB MVZ Weiden	Robert Koch Institute	unknown
EPI_ISL_1153248	Virologisches Institut des Universitätsklinikums Erlangen	Robert Koch Institute	unknown
EPI_ISL_1153348	MVZ Medizinisches Labor Hannover GmbH	Robert Koch Institute	unknown
EPI_ISL_1153371, EPI_ISL_1153373, EPI_ISL_1153375, EPI_ISL_1153405, EPI_ISL_1153433, EPI_ISL_1153438	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1153922	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1154361	Area Biologia Molecolare - Istituto Zooprofilattico Sperimentale della Sicilia	Area Biologia Molecolare - Istituto Zooprofilattico Sperimentale della Sicilia	REALE Stefano, SCIBETTA Silvia, PIAZZA Angela, BRUNO Gabriella, CASTELLI Germano, BRUNO Federica, VITALE Francesco, TRAMUTO Fabio, MAIDA Carmelo Massimo, MAZZUCCO Walter, DI NARO Daniela, RANDAZZO Giulia, VITALE Fabrizio
EPI_ISL_1154448, EPI_ISL_1154524, EPI_ISL_1154591, EPI_ISL_1154598, EPI_ISL_1154616, EPI_ISL_1154625, EPI_ISL_1154795, EPI_ISL_1154863	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1154890	Area Biologia Molecolare - Istituto Zooprofilattico Sperimentale della Sicilia	Area Biologia Molecolare - Istituto Zooprofilattico Sperimentale della Sicilia	REALE Stefano, SCIBETTA Silvia, PIAZZA Angela, BRUNO Gabriella, CASTELLI Germano, BRUNO Federica, VITALE Francesco, TRAMUTO Fabio, MAIDA Carmelo Massimo, MAZZUCCO Walter, DI NARO Daniela, RANDAZZO Giulia, VITALE Fabrizio
EPI_ISL_1154932	LabKom - Labor an der Salzbrücke MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1154967	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1154968	LabKom - Labor an der Salzbrücke MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1154996	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155006	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1155020	LabKom - Labor an der Salzbrücke MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155025, EPI_ISL_1155038	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1155040	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155050, EPI_ISL_1155057	LabKom - Labor an der Salzbrücke MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155070	Labor 28 MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155088	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1155155, EPI_ISL_1155156	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1155386, EPI_ISL_1155392, EPI_ISL_1155404	MVZ Labor Dr. Fenner und Kollegen (Standort Hamburg)	Robert Koch Institute	unknown
EPI_ISL_1155485, EPI_ISL_1156950, EPI_ISL_1156961, EPI_ISL_1156964, EPI_ISL_1156973, EPI_ISL_1157066	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1157107, EPI_ISL_1157110	Chemische und Veterinäruntersuchungsamt Münsterland-Emscher-Lippe	Robert Koch Institute	unknown
EPI_ISL_1158286, EPI_ISL_1158362, EPI_ISL_1158440, EPI_ISL_1158521, EPI_ISL_1158522, EPI_ISL_1158525, EPI_ISL_1158534	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_1158662, EPI_ISL_1158663, EPI_ISL_1158669, EPI_ISL_1158673, EPI_ISL_1158677, EPI_ISL_1158680, EPI_ISL_1158684, EPI_ISL_1158686, EPI_ISL_1158690, EPI_ISL_1158703	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_1159210, EPI_ISL_1159211, EPI_ISL_1159212, EPI_ISL_1159213, EPI_ISL_1159214	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. Zaballós, A. Monzón, S. Varona, S. Cuesta, I.MORENO PARRADO, LAURA
EPI_ISL_1159218, EPI_ISL_1159219	HOSPITAL UNIVERSITARIO DE CEUTA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandonis,V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballós, A. Monzón, S. Varona, S. Cuesta, I.LOPEZ BARBA, JOSE
EPI_ISL_1159704, EPI_ISL_1159705	Atlas Genomics	Atlas Genomics	Michael Kalnoski, MD
EPI_ISL_1161006, EPI_ISL_1161032,	Center of Medical Microbiology, Virology, and Hospital	Center of Medical Microbiology, Virology, and Hospital	Maximilian Damagnez;Alexander Dilthey;Torsten Houwaart;Lisanna Hülse;Malte Kohns Vasconcelos;Nadine Lübke;Jessica Nicolai;Klaus Pfeffer;Daniel

EPI_ISL_1161034, EPI_ISL_1161036, EPI_ISL_1161038, EPI_ISL_1161040, EPI_ISL_1161041, EPI_ISL_1161043, EPI_ISL_1161045, EPI_ISL_1161047	Hygiene, University of Duesseldorf	Hygiene, University of Duesseldorf	Strelow;Jörg Timm;Andreas Walker;Tobias Wienemann
EPI_ISL_1162762	Plateforme de testing Namuroise	Plateforme de testing Namuroise	Otto Gaetan ; Denis Olivier ; Degosserie Jonathan ; Mullier François
EPI_ISL_1163669, EPI_ISL_1163670	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_1163987, EPI_ISL_1163988, EPI_ISL_1163990, EPI_ISL_1163991, EPI_ISL_1163992, EPI_ISL_1163993, EPI_ISL_1163994, EPI_ISL_1163996, EPI_ISL_1163997, EPI_ISL_1163998, EPI_ISL_1164000, EPI_ISL_1164001, EPI_ISL_1164002, EPI_ISL_1164004, EPI_ISL_1164005, EPI_ISL_1164006, EPI_ISL_1164007, EPI_ISL_1164008, EPI_ISL_1164009, EPI_ISL_1164010, EPI_ISL_1164012, EPI_ISL_1164013, EPI_ISL_1164014, EPI_ISL_1164015, EPI_ISL_1164016, EPI_ISL_1164017, EPI_ISL_1164019, EPI_ISL_1164020, EPI_ISL_1164021, EPI_ISL_1164022, EPI_ISL_1164024, EPI_ISL_1164025, EPI_ISL_1164026, EPI_ISL_1164028, EPI_ISL_1164029, EPI_ISL_1164030, EPI_ISL_1164031, EPI_ISL_1164032, EPI_ISL_1164033, EPI_ISL_1164034, EPI_ISL_1164035, EPI_ISL_1164036, EPI_ISL_1164037, EPI_ISL_1164039, EPI_ISL_1164040			
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_1164816, EPI_ISL_1164854, EPI_ISL_1164930, EPI_ISL_1164969, EPI_ISL_1165000	Struttura Semplice Dipartimentale di Virologia e Microbiologia molecolare, Azienda Ospedaliero-Universitaria, Policlinico di Modena	U.O. Microbiologia, Laboratorio Unico Centro Servizi - AUSL della Romagna	Pecorari Monica, Gennari William, Fregni Serpini Giulia, Giorgio Dirani, Silvia Zannoli, Vittorio Sambri
EPI_ISL_1165001, EPI_ISL_1165010, EPI_ISL_1165030	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_1165066, EPI_ISL_1165077, EPI_ISL_1165143	Struttura Semplice Dipartimentale di Virologia e Microbiologia molecolare, Azienda Ospedaliero-Universitaria, Policlinico di Modena	U.O. Microbiologia, Laboratorio Unico Centro Servizi - AUSL della Romagna	Pecorari Monica, Gennari William, Fregni Serpini Giulia, Giorgio Dirani, Silvia Zannoli, Vittorio Sambri
EPI_ISL_1165209, EPI_ISL_1165213, EPI_ISL_1165218, EPI_ISL_1165228, EPI_ISL_1165235, EPI_ISL_1165237, EPI_ISL_1165327, EPI_ISL_1165372, EPI_ISL_1165409, EPI_ISL_1165416, EPI_ISL_1165483			
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_1165850, EPI_ISL_1165851, EPI_ISL_1165853, EPI_ISL_1165857	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_1165899	Struttura Semplice Dipartimentale di Virologia e Microbiologia molecolare, Azienda Ospedaliero-Universitaria, Policlinico di Modena	U.O. Microbiologia, Laboratorio Unico Centro Servizi - AUSL della Romagna	Pecorari Monica, Gennari William, Fregni Serpini Giulia, Giorgio Dirani, Silvia Zannoli, Vittorio Sambri
EPI_ISL_1165900, EPI_ISL_1165902, EPI_ISL_1165904, EPI_ISL_1165905, EPI_ISL_1165907, EPI_ISL_1165911, EPI_ISL_1165913, EPI_ISL_1165919, EPI_ISL_1165920, EPI_ISL_1165921, EPI_ISL_1165922, EPI_ISL_1165923, EPI_ISL_1165924, EPI_ISL_1165925, EPI_ISL_1165926, EPI_ISL_1165927, EPI_ISL_1165928, EPI_ISL_1165929, EPI_ISL_1165930, EPI_ISL_1165931, EPI_ISL_1165932, EPI_ISL_1165936, EPI_ISL_1165937, EPI_ISL_1165938, EPI_ISL_1165939, EPI_ISL_1165940, EPI_ISL_1165941, EPI_ISL_1165942, EPI_ISL_1165943, EPI_ISL_1165944, EPI_ISL_1165945, EPI_ISL_1165952			
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_1166083	Struttura Semplice Dipartimentale di Virologia e Microbiologia molecolare, Azienda Ospedaliero-Universitaria, Policlinico di Modena	U.O. Microbiologia, Laboratorio Unico Centro Servizi - AUSL della Romagna	Pecorari Monica, Gennari William, Fregni Serpini Giulia, Giorgio Dirani, Silvia Zannoli, Vittorio Sambri
EPI_ISL_1166535	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1166539, EPI_ISL_1166540, EPI_ISL_1166541, EPI_ISL_1166542, EPI_ISL_1166543, EPI_ISL_1166544, EPI_ISL_1166545, EPI_ISL_1166546, EPI_ISL_1166547, EPI_ISL_1166548, EPI_ISL_1166549, EPI_ISL_1166550, EPI_ISL_1166551, EPI_ISL_1166552, EPI_ISL_1166553, EPI_ISL_1166554, EPI_ISL_1166555			
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_1168765	Yale Pathology Lab	Grubaugh Lab - Yale School of Public Health	Tara Alpert, Joseph Fauver, Chen Liu, Pei Hui, Jianhui Wang, Susan Bell and Han Zhou, Anderson Brito, Mallery Breban, Anne Wyllie, Chantal Vogels, Mary Petrone, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh
EPI_ISL_1170231, EPI_ISL_1170232	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1171519, EPI_ISL_1171520, EPI_ISL_1171522	Cliniques Cud-Luxembourg	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_1177717	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_1177893, EPI_ISL_1177894, EPI_ISL_1177897, EPI_ISL_1177907, EPI_ISL_1177957	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_1177990	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_1178121, EPI_ISL_1178122	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_1178499, EPI_ISL_1178500, EPI_ISL_1178506, EPI_ISL_1178517	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 Eiumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1178591, EPI_ISL_1178592	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joeseeph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1178717, EPI_ISL_1178723, EPI_ISL_1178727, EPI_ISL_1178731, EPI_ISL_1178734, EPI_ISL_1178738, EPI_ISL_1178740, EPI_ISL_1178744, EPI_ISL_1178747, EPI_ISL_1178751, EPI_ISL_1178753, EPI_ISL_1178759, EPI_ISL_1178765, EPI_ISL_1178766, EPI_ISL_1178779, EPI_ISL_1178781, EPI_ISL_1178792, EPI_ISL_1178797, EPI_ISL_1178809, EPI_ISL_1178816, EPI_ISL_1178819, EPI_ISL_1178823, EPI_ISL_1178827, EPI_ISL_1178829, EPI_ISL_1178831, EPI_ISL_1178848, EPI_ISL_1178853, EPI_ISL_1178856, EPI_ISL_1178857, EPI_ISL_1178867, EPI_ISL_1178870			
see above	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_1178895, EPI_ISL_1179144, EPI_ISL_1179146, EPI_ISL_1179147, EPI_ISL_1179156, EPI_ISL_1179157, EPI_ISL_1179159, EPI_ISL_1179160, EPI_ISL_1179162, EPI_ISL_1179163, EPI_ISL_1179165, EPI_ISL_1179167, EPI_ISL_1179170, EPI_ISL_1179172, EPI_ISL_1179179, EPI_ISL_1179182, EPI_ISL_1179183, EPI_ISL_1179184, EPI_ISL_1179185, EPI_ISL_1179186, EPI_ISL_1179188, EPI_ISL_1179189, EPI_ISL_1179190, EPI_ISL_1179191, EPI_ISL_1179192, EPI_ISL_1179193, EPI_ISL_1179194, EPI_ISL_1179195, EPI_ISL_1179196, EPI_ISL_1179197, EPI_ISL_1179198, EPI_ISL_1179199, EPI_ISL_1179200, EPI_ISL_1179201, EPI_ISL_1179202, EPI_ISL_1179203, EPI_ISL_1179205, EPI_ISL_1179206, EPI_ISL_1179207, EPI_ISL_1179208, EPI_ISL_1179209			
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 Gifford, Lee Graham, Nicole Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor

EPI_ISL_1179813, EPI_ISL_1179815	Clínica 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_1180073, EPI_ISL_1180090, EPI_ISL_1180098	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1180390, EPI_ISL_1180391, EPI_ISL_1180392, EPI_ISL_1180396, EPI_ISL_1180398, EPI_ISL_1180399, EPI_ISL_1180400, EPI_ISL_1180401, EPI_ISL_1180402, EPI_ISL_1180405	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennett, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1180512, EPI_ISL_1180514, EPI_ISL_1180521, EPI_ISL_1180525, EPI_ISL_1180533, EPI_ISL_1180536	National Virus Reference Laboratory	National Virus Reference Laboratory	Guerrino Macori, Gabriel Gonzalez, Michael Carr, Zoe Yandle, Charlene Bennett, Jonathan Dean, Seamus Fanning, Cillian F De Gascun
EPI_ISL_1181135, EPI_ISL_1181151	genXone SA, Molecular Diagnostics Laboratory / NZOZ	genXone SA, Research & Development Laboratory	Maciej Sykulski, Grzegorz Nowicki, Jakub Grabowski, Natalia Drwaska-Matelska, Anna Brylak-Blaszkow, Aleksandra Gidlewicz, Karol Szeszko, Lukasz Krych, Michal Kaszuba
EPI_ISL_1184090	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, Efreem S. Lim
EPI_ISL_1185975, EPI_ISL_1185977, EPI_ISL_1185980, EPI_ISL_1185984	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_1187060, EPI_ISL_1187091, EPI_ISL_1187094, EPI_ISL_1187129, EPI_ISL_1187154, EPI_ISL_1187169, EPI_ISL_1187175, EPI_ISL_1187180, EPI_ISL_1187209, EPI_ISL_1187216, EPI_ISL_1187223, EPI_ISL_1187248			
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_1190869, EPI_ISL_1190870	Klinisk mikrobiologi	The Public Health Agency of Sweden	Anna-Malin Linde, Maria Lind Karlberg, Carlo Berg, Oskar Karlsson Lindsjo, Sofia Stamouli, Reza Advani, Mattias Haukland, Petra Holmstrom, Noura Walai, Petra Edquist, Mia Brytting, Anna Risberg, Karin Tegmark-Wisell
EPI_ISL_1191084, EPI_ISL_1191085, EPI_ISL_1191093	AZ Zeno	AZ SINT-JAN BRUGGE	Marijke Reynders, Patrick Descheemaeker, Laurien Hoornaert, Thomas Van Landschoot, Jorn Hellemans
EPI_ISL_1191635, EPI_ISL_1191639, EPI_ISL_1191647, EPI_ISL_1191649, EPI_ISL_1191651, EPI_ISL_1191659, EPI_ISL_1191661, EPI_ISL_1191663, EPI_ISL_1191664, EPI_ISL_1191665, EPI_ISL_1191666, EPI_ISL_1191670, EPI_ISL_1191671, EPI_ISL_1191672, EPI_ISL_1191684, EPI_ISL_1191686, EPI_ISL_1191687, EPI_ISL_1191694, EPI_ISL_1191696, EPI_ISL_1191700			
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_1191748, EPI_ISL_1191749, EPI_ISL_1191750, EPI_ISL_1191751, EPI_ISL_1191771	Laboratory of virology and molecular diagnostics	Laboratory of virology and molecular diagnostics	Kuzmanovska Maja, Boshevska Golubinka, Janchevska Elizabeta
EPI_ISL_1192168	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_1192214	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_1192215	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_1192224	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_1193369	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 Drouillard, 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_1194405, EPI_ISL_1194407, EPI_ISL_1194410, EPI_ISL_1194411, EPI_ISL_1194413, EPI_ISL_1194414, EPI_ISL_1194415, EPI_ISL_1194416, EPI_ISL_1194417, EPI_ISL_1194460	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1194731, EPI_ISL_1194732, EPI_ISL_1194734, EPI_ISL_1194735, EPI_ISL_1194736, EPI_ISL_1194737, EPI_ISL_1194738, EPI_ISL_1194739, EPI_ISL_1194740, EPI_ISL_1194741, EPI_ISL_1194742, EPI_ISL_1194743, EPI_ISL_1194744, EPI_ISL_1194745, EPI_ISL_1194746, EPI_ISL_1194747, EPI_ISL_1194748, EPI_ISL_1194749, EPI_ISL_1194750, EPI_ISL_1194751, EPI_ISL_1194752, EPI_ISL_1194753, EPI_ISL_1194754, EPI_ISL_1194755, EPI_ISL_1194765			
see above	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efreem Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1195192, EPI_ISL_1195193, EPI_ISL_1195194, EPI_ISL_1195195, EPI_ISL_1195196, EPI_ISL_1195200, EPI_ISL_1195201, EPI_ISL_1195202	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_1195369, EPI_ISL_1195372, EPI_ISL_1195377	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_1195947	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1196872	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, Suxiang Tong
EPI_ISL_1197314, EPI_ISL_1197350, EPI_ISL_1198020, EPI_ISL_1198024, EPI_ISL_1198027, EPI_ISL_1198028, EPI_ISL_1198030, EPI_ISL_1198031, EPI_ISL_1198032, EPI_ISL_1198033, EPI_ISL_1198034, EPI_ISL_1198035, EPI_ISL_1198037, EPI_ISL_1198038, EPI_ISL_1198039, EPI_ISL_1198040, EPI_ISL_1198041, EPI_ISL_1198042, EPI_ISL_1198043, EPI_ISL_1198044, EPI_ISL_1198045, EPI_ISL_1198046, EPI_ISL_1198047, EPI_ISL_1198048, EPI_ISL_1198049, EPI_ISL_1198050, EPI_ISL_1198051, EPI_ISL_1198052, EPI_ISL_1198053, EPI_ISL_1198054, EPI_ISL_1198055, EPI_ISL_1198058, EPI_ISL_1198059, EPI_ISL_1198065, EPI_ISL_1198066, EPI_ISL_1198070, EPI_ISL_1198072, EPI_ISL_1198112, EPI_ISL_1198113, EPI_ISL_1198114, EPI_ISL_1198115, EPI_ISL_1198116, EPI_ISL_1198117, EPI_ISL_1198118, EPI_ISL_1198122, EPI_ISL_1198123, EPI_ISL_1198128, EPI_ISL_1198131, EPI_ISL_1198132, EPI_ISL_1198133, EPI_ISL_1198134, EPI_ISL_1198135, EPI_ISL_1198136, EPI_ISL_1198145, EPI_ISL_1198146, EPI_ISL_1198147, EPI_ISL_1198274, EPI_ISL_1198275, EPI_ISL_1198356			
see above	Swedish national genomic surveillance program of	The Public Health Agency of Sweden	Swedish national genomic surveillance program of SARS-CoV-2

SARS-CoV-2			
EPI_ISL_1199633	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy; L.C. Laboratori Campisi s.r.l., Siracusa, Sicily, Italy	Istituto Superiore di Sanità (ISS)	Paola Stefanelli, Angela Di Martino, Alessandra Lo Presti, Stefano Fiore, Campisi Corrado, Iemmolo Rosario, Manuela Marra, Maria Carollo, Marco Crescenzi
EPI_ISL_1199757, EPI_ISL_1199758, EPI_ISL_1199763, EPI_ISL_1199764, EPI_ISL_1199765, EPI_ISL_1199774, EPI_ISL_1199775, EPI_ISL_1199817, EPI_ISL_1199818, EPI_ISL_1199819, EPI_ISL_1199828, EPI_ISL_1199829			
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_1200628	Plateforme de testing Namuroise	Plateforme de testing Namuroise	; Otto Gaetan ; Denis Olivier ; Degosserie Jonathan ; Mullier François
EPI_ISL_1200656, EPI_ISL_1200657, EPI_ISL_1200658, EPI_ISL_1200659, EPI_ISL_1200665, EPI_ISL_1200668, EPI_ISL_1200670, EPI_ISL_1200671, EPI_ISL_1200672, EPI_ISL_1200673, EPI_ISL_1200674, EPI_ISL_1200675, EPI_ISL_1200676, EPI_ISL_1200677, EPI_ISL_1200678, EPI_ISL_1200679, EPI_ISL_1200680, EPI_ISL_1200681, EPI_ISL_1200682, EPI_ISL_1200684, EPI_ISL_1200685, EPI_ISL_1200686, EPI_ISL_1200688, EPI_ISL_1200689, EPI_ISL_1200690, EPI_ISL_1200692, EPI_ISL_1200693, EPI_ISL_1200694, EPI_ISL_1200695, EPI_ISL_1200696, EPI_ISL_1200697, EPI_ISL_1200699, EPI_ISL_1200700, EPI_ISL_1200701, EPI_ISL_1200703, EPI_ISL_1200704, EPI_ISL_1200706, EPI_ISL_1200707, EPI_ISL_1200708, EPI_ISL_1200709, EPI_ISL_1200710, EPI_ISL_1200714, EPI_ISL_1200715, EPI_ISL_1200716, EPI_ISL_1200719, EPI_ISL_1200720, EPI_ISL_1200722, EPI_ISL_1200723, EPI_ISL_1200724, EPI_ISL_1200725, EPI_ISL_1200726, EPI_ISL_1200727, EPI_ISL_1200728, EPI_ISL_1200729, EPI_ISL_1200730, EPI_ISL_1200731, EPI_ISL_1200732, EPI_ISL_1200733, EPI_ISL_1200734, EPI_ISL_1200735, EPI_ISL_1200736, EPI_ISL_1200737, EPI_ISL_1200738, EPI_ISL_1200739, EPI_ISL_1200740, EPI_ISL_1200741, EPI_ISL_1200742, EPI_ISL_1200743, EPI_ISL_1200744, EPI_ISL_1200745, EPI_ISL_1200746, EPI_ISL_1200747, EPI_ISL_1200748, EPI_ISL_1200750, EPI_ISL_1200751, EPI_ISL_1200752, EPI_ISL_1200753, EPI_ISL_1200754, EPI_ISL_1200756, EPI_ISL_1200757, EPI_ISL_1200758, EPI_ISL_1200759, EPI_ISL_1200760, EPI_ISL_1200762, EPI_ISL_1200763, EPI_ISL_1200764, EPI_ISL_1200765, EPI_ISL_1200766, EPI_ISL_1200767, EPI_ISL_1200768, EPI_ISL_1200769, EPI_ISL_1200770, EPI_ISL_1200771, EPI_ISL_1200772, EPI_ISL_1200773, EPI_ISL_1200774, EPI_ISL_1200775, EPI_ISL_1200776, EPI_ISL_1200777, EPI_ISL_1200778, EPI_ISL_1200779, EPI_ISL_1200782, EPI_ISL_1200783, EPI_ISL_1200784, EPI_ISL_1200785, EPI_ISL_1200786, EPI_ISL_1200787, EPI_ISL_1200788, EPI_ISL_1200789, EPI_ISL_1200791, EPI_ISL_1200792, EPI_ISL_1200793, EPI_ISL_1200794, EPI_ISL_1200795, EPI_ISL_1200796, EPI_ISL_1200797, EPI_ISL_1200799, EPI_ISL_1200800, EPI_ISL_1200801, EPI_ISL_1200802, EPI_ISL_1200805, EPI_ISL_1200806, EPI_ISL_1200807, EPI_ISL_1200809, EPI_ISL_1200810, EPI_ISL_1200811, EPI_ISL_1200812, EPI_ISL_1200814, EPI_ISL_1200815, EPI_ISL_1200816, EPI_ISL_1200817, EPI_ISL_1200819, EPI_ISL_1200820, EPI_ISL_1200821, EPI_ISL_1200822, EPI_ISL_1200823, EPI_ISL_1200825, EPI_ISL_1200826, EPI_ISL_1200827, EPI_ISL_1200828, EPI_ISL_1200829, EPI_ISL_1200830, EPI_ISL_1200831, EPI_ISL_1200832, EPI_ISL_1200833, EPI_ISL_1200834, EPI_ISL_1200835, EPI_ISL_1200836, EPI_ISL_1200837, EPI_ISL_1200843, EPI_ISL_1200849, EPI_ISL_1200850, EPI_ISL_1200852, EPI_ISL_1200854, EPI_ISL_1201781, EPI_ISL_1201782, EPI_ISL_1201783, EPI_ISL_1201784, EPI_ISL_1201785, EPI_ISL_1201786, EPI_ISL_1201787, EPI_ISL_1201788, EPI_ISL_1201789, EPI_ISL_1201790, EPI_ISL_1201791, EPI_ISL_1201792, EPI_ISL_1201793, EPI_ISL_1201794, EPI_ISL_1201795, EPI_ISL_1201797, EPI_ISL_1201798, EPI_ISL_1201799, EPI_ISL_1201800, EPI_ISL_1201801, EPI_ISL_1201803, EPI_ISL_1201804, EPI_ISL_1201805, EPI_ISL_1201807, EPI_ISL_1201808, EPI_ISL_1201809, EPI_ISL_1201810, EPI_ISL_1201811, EPI_ISL_1201812, EPI_ISL_1201815, EPI_ISL_1201816, EPI_ISL_1201817, EPI_ISL_1201818, EPI_ISL_1201819, EPI_ISL_1201820, EPI_ISL_1201821, EPI_ISL_1201822, EPI_ISL_1201823, EPI_ISL_1201824, EPI_ISL_1201825, EPI_ISL_1201827, EPI_ISL_1201828, EPI_ISL_1201829, EPI_ISL_1201830, EPI_ISL_1201832, EPI_ISL_1201833, EPI_ISL_1201834, EPI_ISL_1201835, EPI_ISL_1201836, EPI_ISL_1201837, EPI_ISL_1201838, EPI_ISL_1201839, EPI_ISL_1201840, EPI_ISL_1201841, EPI_ISL_1201842, EPI_ISL_1201843, EPI_ISL_1201844, EPI_ISL_1201845, EPI_ISL_1201846, EPI_ISL_1201847, EPI_ISL_1201848, EPI_ISL_1201849, EPI_ISL_1201850, EPI_ISL_1201851			
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_1201852	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_1201853	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_1201880	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_1203823, EPI_ISL_1203835, EPI_ISL_1203837, EPI_ISL_1203838, EPI_ISL_1203839	The Jackson Laboratory	The Jackson Laboratory	Lloyd M, Sanderson B, Srivastava A, Maurya R, Renzette N, Omerza G, Kelly K, Li L, Wei C L, Adams M
EPI_ISL_1206045, EPI_ISL_1206067, EPI_ISL_1206073, EPI_ISL_1206079, EPI_ISL_1206090, EPI_ISL_1206097, EPI_ISL_1206100, EPI_ISL_1206109, EPI_ISL_1206113, EPI_ISL_1206118, EPI_ISL_1206132, EPI_ISL_1206139, EPI_ISL_1206148, EPI_ISL_1206152, EPI_ISL_1206157, EPI_ISL_1206176, EPI_ISL_1206179, EPI_ISL_1206181, EPI_ISL_1206193, EPI_ISL_1206219, EPI_ISL_1206231, EPI_ISL_1206250, EPI_ISL_1206256, EPI_ISL_1206270, EPI_ISL_1206273			
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_1208411, EPI_ISL_1208444, EPI_ISL_1208453, EPI_ISL_1208470, EPI_ISL_1208472, EPI_ISL_1208480	Microbiology Department, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol.	Can Ruti SARS-CoV-2 Sequencing Hub (HUGTIP/IrsiCaixa/IGTP)	Marc Noguera-Julian, Pilar Armengol, Ignacio Blanco, Antoni E Bordoy, Francesc Catala-Moll, Pere-Joan Cardona, Julia G Prado, Carol Galvez Maria Casadella, Cristina Casañ, Gemma Clara, Irina Pey, Jordi Barretina, Bonaventura Clotet, Cristina Esteban, Montserrat Giménez, Mercedes Guerrero, Anna Not, Roger Paredes, Mariona Parera, Verónica Saludes, Alba Sánchez, and Elisa Marró on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.
EPI_ISL_1208575, EPI_ISL_1208579, EPI_ISL_1208580, EPI_ISL_1208581, EPI_ISL_1208594, EPI_ISL_1208597, EPI_ISL_1208627, EPI_ISL_1208628, EPI_ISL_1208645, EPI_ISL_1208655, EPI_ISL_1208668	Microbiology Department, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol.	Can Ruti SARS-CoV-2 Sequencing Hub (HUGTIP/IrsiCaixa/IGTP)	Marc Noguera-Julian, Pilar Armengol, Ignacio Blanco, Antoni E Bordoy, Francesc Catala-Moll, Pere-Joan Cardona, Julia G Prado, Carol Galvez Maria Casadella, Cristina Casañ, Gemma Clara, Irina Pey, Jordi Barretina, Bonaventura Clotet, Cristina Esteban, Montserrat Giménez, Anna Not, Roger Paredes, Mariona Parera, Verónica Saludes, Alba Sánchez, Jose Francisco Sánchez, Lauro Sumoy, and Elisa Marró on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.
EPI_ISL_1208679, EPI_ISL_1208681, EPI_ISL_1208691, EPI_ISL_1208702, EPI_ISL_1208703, EPI_ISL_1208715, EPI_ISL_1208726, EPI_ISL_1208727, EPI_ISL_1208760, EPI_ISL_1208761, EPI_ISL_1208764	Microbiology Department, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol.	Can Ruti SARS-CoV-2 Sequencing Hub (HUGTIP/IrsiCaixa/IGTP)	Marc Noguera-Julian, Pilar Armengol, Ignacio Blanco, Antoni E Bordoy, Francesc Catala-Moll, Pere-Joan Cardona, Julia G Prado, Carol Galvez Maria Casadella, Cristina Casañ, Gemma Clara, Irina Pey, Jordi Barretina, Bonaventura Clotet, Cristina Esteban, Montserrat Giménez, Mercedes Guerrero, Anna Not, Roger Paredes, Mariona Parera, Verónica Saludes, Alba Sánchez, and Elisa Marró on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.
EPI_ISL_1209143, EPI_ISL_1209162	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Shah Mohamed Bakhsh, Michelle Lin, Noah Baker, Sean Ellis, Saraswathi Sathees, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_1209376	LAM BIOCENTRE MERCURE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOUE Enagnon Kazali, BOCKET Laurence, CREPIN Michel, DEMAY Christophe, ENGELMANN Ilka, GEFFROY Sandrine, GUIGON Aurélie, LAZREK Mouna, NOBILLIAUX Florian, PREVOST Brigitte, THUILLIER Caroline, TINEZ Claire
EPI_ISL_1209529, EPI_ISL_1209582, EPI_ISL_1209783, EPI_ISL_1209784, EPI_ISL_1209785, EPI_ISL_1209786, EPI_ISL_1209787, EPI_ISL_1209788, EPI_ISL_1209789, EPI_ISL_1209790, EPI_ISL_1209791, EPI_ISL_1209792, EPI_ISL_1209793, EPI_ISL_1209794, EPI_ISL_1209816, EPI_ISL_1209845	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, Ofra Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_1211904, EPI_ISL_1211913, EPI_ISL_1211923	Labor ZOTZ KLIMAS; MVZ Düsseldorf-Centrum	Robert Koch Institute	unknown
EPI_ISL_1212014	Uniklinikum Jena	Robert Koch Institute	unknown
EPI_ISL_1212619, EPI_ISL_1212621, EPI_ISL_1212623, EPI_ISL_1212626, EPI_ISL_1212628, EPI_ISL_1212630, EPI_ISL_1212632, EPI_ISL_1212634, EPI_ISL_1212636, EPI_ISL_1212638, EPI_ISL_1212641, EPI_ISL_1212643, EPI_ISL_1212645, EPI_ISL_1212647, EPI_ISL_1212650, EPI_ISL_1212652, EPI_ISL_1212654, EPI_ISL_1212656	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_1212698, EPI_ISL_1212700	Istituto Zooprofilattico Sperimentale Umbria e Marche "Togo Rosati"	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Biagetti M., Giammarioli M., Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Scialabba S, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_1214235, EPI_ISL_1214244, EPI_ISL_1214254, EPI_ISL_1214256, EPI_ISL_1214259, EPI_ISL_1214266, EPI_ISL_1214272, EPI_ISL_1214285, EPI_ISL_1214287, EPI_ISL_1214333, EPI_ISL_1214334, EPI_ISL_1214336, EPI_ISL_1214342, EPI_ISL_1214348, EPI_ISL_1214364, EPI_ISL_1214404, EPI_ISL_1214406, EPI_ISL_1214407, EPI_ISL_1214409, EPI_ISL_1214411, EPI_ISL_1214412, EPI_ISL_1214414, EPI_ISL_1214415, EPI_ISL_1214417, EPI_ISL_1214419, EPI_ISL_1214435, EPI_ISL_1214437, EPI_ISL_1214465, EPI_ISL_1214491, EPI_ISL_1214498, EPI_ISL_1214499, EPI_ISL_1214505, EPI_ISL_1214517, EPI_ISL_1214528, EPI_ISL_1214546, EPI_ISL_1214584, EPI_ISL_1214601, EPI_ISL_1214606, EPI_ISL_1214613, EPI_ISL_1214631, EPI_ISL_1214655, EPI_ISL_1214657, EPI_ISL_1214658, EPI_ISL_1214660, EPI_ISL_1214662, EPI_ISL_1214675, EPI_ISL_1214729, EPI_ISL_1214736, EPI_ISL_1214749, EPI_ISL_1214822, EPI_ISL_1214827, EPI_ISL_1214829, EPI_ISL_1214831, EPI_ISL_1214838, EPI_ISL_1214846, EPI_ISL_1214848, EPI_ISL_1214850, EPI_ISL_1214853, EPI_ISL_1214865, EPI_ISL_1214869, EPI_ISL_1214876, EPI_ISL_1214879, EPI_ISL_1214909, EPI_ISL_1214917, EPI_ISL_1214919, EPI_ISL_1214928, EPI_ISL_1214954, EPI_ISL_1214958, EPI_ISL_1214993, EPI_ISL_1215044, EPI_ISL_1215049, EPI_ISL_1215060, EPI_ISL_1215065, EPI_ISL_1215081, EPI_ISL_1215084, EPI_ISL_1215105, EPI_ISL_1215108, EPI_ISL_1215120, EPI_ISL_1215123, EPI_ISL_1215125, EPI_ISL_1215133, EPI_ISL_1215151, EPI_ISL_1215179, EPI_ISL_1215184, EPI_ISL_1215186, EPI_ISL_1215189, EPI_ISL_1215194, EPI_ISL_1215217, EPI_ISL_1215229, EPI_ISL_1215246, EPI_ISL_1215249, EPI_ISL_1215254, EPI_ISL_1215261, EPI_ISL_1215264, EPI_ISL_1215409, EPI_ISL_1215411, EPI_ISL_1215426			
see above	SARS-CoV-2 Sequencing Castilla y Leon-Spain Consortium	SARS-CoV-2 Sequencing Castilla y Leon-Spain Consortium	Antonio Orduña-Domingo, Marta Hernandez, David Abad, Marta Dominguez-Gil, Silvia Rojo, Laura Sánchez de Prada, Sonsoles Garcinuño Pérez, Carmen Aldea-Mansilla, Mª Fe Brezmes-Valdivieso, Gregoria Megias Lobón, María Antonia García Castro, Carmen Gimeno Crespo, Noelia Arenal Andrés, Carlos Fuster Foz, M. Isabel Fernandez-Natal, Jose Maria Eiros Bouza
EPI_ISL_1216267	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_1216980	MVZ für Laboratoriumsmedizin und Mikrobiologie Koblenz-Mittelrhein (Labor Koblenz)	Robert Koch Institute	unknown
EPI_ISL_1218038	Klinikum Ernst von Bergmann gemeinnützige GmbH - stationärer Bereich	Robert Koch Institute	unknown
EPI_ISL_1218115, EPI_ISL_1218125, EPI_ISL_1218135, EPI_ISL_1218138, EPI_ISL_1218150, EPI_ISL_1218161, EPI_ISL_1218176	Labor ZOTZ KLIMAS; MVZ Düsseldorf-Centrum	Robert Koch Institute	unknown
EPI_ISL_1219223	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 Ansonē, Davids Fridmanis, Mikus Gavars, Dmitrijs Perminovs, Jurijs Perevoscikovs, Uga Dumpis, Janis Klovins
EPI_ISL_1219281	LIC	Latvian Biomedical Research and Study Centre	Janis Pjalkovskis, Nikita Zrelavs, Monta Ustinova, Ivars Silamikelis, Liga Birzniece, Kaspars Megnis, Una Krumina, Guntars Zarins, Vita Rovite, Lauma Freimane, Laila Silamikele, Laura Ansonē, Davids Fridmanis, Reinis Zeltmatis, Diana Dusacka, Jurijs Perevoscikovs, Uga Dumpis, Janis Klovins
EPI_ISL_1219301, EPI_ISL_1219305	BIOR	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 Ansonē, Davids Fridmanis, Irena Meistere, Daina Pule, Jurijs Perevoscikovs, Uga Dumpis, Janis Klovins
EPI_ISL_1219318, EPI_ISL_1219320	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 Ansonē, Davids Fridmanis, Mikus Gavars, Dmitrijs Perminovs, Jurijs Perevoscikovs, Uga Dumpis, Janis Klovins
EPI_ISL_1219925	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 Verf, Cartier Riviere B
EPI_ISL_1220185	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_1220201, EPI_ISL_1220209, EPI_ISL_1220211, EPI_ISL_1220213, EPI_ISL_1220220, EPI_ISL_1220221, EPI_ISL_1220224, EPI_ISL_1220238	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_1223162, EPI_ISL_1223169, EPI_ISL_1223201, EPI_ISL_1223212, EPI_ISL_1223255, EPI_ISL_1223261, EPI_ISL_1223330, EPI_ISL_1223337, EPI_ISL_1223345, EPI_ISL_1223379, EPI_ISL_1223410			
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_1224921	Houston Health Dept.	Houston Health Dept.	Ryker Penn, Pamela Brown, Adolpho Lara
EPI_ISL_1224943	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy; Azienda Ospedaliera Universitaria Pisana, Pisa, Italy	Istituto Superiore di Sanità (ISS)	Paola Stefanelli, Angela Di Martino, Alessandra Lo Presti, Stefano Fiore, Paola Mazzetti, Maria Linda Vatteroni, Anna Lisa Capria, Flavia Favilli, Sabrina Gabbriellini, Lisa Macera, Giovanni Segatori, Mauro Pistello, Manuela Marra, Maria Carollo, Marco Crescenzi
EPI_ISL_1226527, EPI_ISL_1226528	Wadsworth Center, New York State Department of Health	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_1226544	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_1226558, EPI_ISL_1226568	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226580	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_1226606, EPI_ISL_1226607, EPI_ISL_1226608, EPI_ISL_1226609, EPI_ISL_1226610	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_1226623	URMC LABS	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_1226624	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_1226636, EPI_ISL_1226639, EPI_ISL_1226640	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_1231650, EPI_ISL_1231652, EPI_ISL_1231653, EPI_ISL_1231654, EPI_ISL_1231656, EPI_ISL_1231657, EPI_ISL_1231658, EPI_ISL_1231660, EPI_ISL_1231661, EPI_ISL_1231662, EPI_ISL_1231664, EPI_ISL_1231732			
see above	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1232508	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_1233116	Centre for Dengue Research and AICBU, Department of Immunology and Molecular Medicine	Centre for Dengue Research and AICBU, Department of Immunology and Molecular Medicine	Chandima Jeewandara, Deshni Jayathilaka, Dinuka Ariyaratne, Tibutius Thanesh Pramanayagam, Diyanath Ranasinghe, Laksiri Gomes, Gathsaurie Neelika Malavige
EPI_ISL_1233308, EPI_ISL_1233310, EPI_ISL_1233312, EPI_ISL_1233326, EPI_ISL_1233373	Massachusetts State Public Health Laboratory	Massachusetts State Public Health Laboratory	Andrew Lang, Timelia Fink, Glen Gallagher, Sandra Smole
EPI_ISL_1233569, EPI_ISL_1233570, EPI_ISL_1233571, EPI_ISL_1233572, EPI_ISL_1233576, EPI_ISL_1233578, EPI_ISL_1233579, EPI_ISL_1233580, EPI_ISL_1233581, EPI_ISL_1233584, EPI_ISL_1233585, EPI_ISL_1233586, EPI_ISL_1233587, EPI_ISL_1233589, EPI_ISL_1233591, EPI_ISL_1233592, EPI_ISL_1233593,			
see above	National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1235666, EPI_ISL_1235667	Nigerian Centre for Disease Control (NCDC)	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University	Olawoye, I.B., et al
EPI_ISL_1235818, EPI_ISL_1235827, EPI_ISL_1235831, EPI_ISL_1235849, EPI_ISL_1238486, EPI_ISL_1238492, EPI_ISL_1238494, EPI_ISL_1238496, EPI_ISL_1238497, EPI_ISL_1238507, EPI_ISL_1238511, EPI_ISL_1238516, EPI_ISL_1238534, EPI_ISL_1238540, EPI_ISL_1238547, EPI_ISL_1238550, EPI_ISL_1238553,			
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_1239121	Laboratório Central de Saúde Pública do Espírito Santo	Coordenação Geral de Laboratórios de Saúde Pública (CGLAB)	Vagner Fonseca et al,
EPI_ISL_1239449, EPI_ISL_1239450, EPI_ISL_1241862, EPI_ISL_1241866, EPI_ISL_1241867, EPI_ISL_1241868, EPI_ISL_1241869, EPI_ISL_1241870, EPI_ISL_1241871, EPI_ISL_1241872, EPI_ISL_1241873, EPI_ISL_1241874, EPI_ISL_1241875, EPI_ISL_1241921, EPI_ISL_1241925, EPI_ISL_1241927			
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_1242049, EPI_ISL_1242070, EPI_ISL_1242073, EPI_ISL_1242093, EPI_ISL_1242094, EPI_ISL_1242115, EPI_ISL_1242116, EPI_ISL_1242131, EPI_ISL_1242141, EPI_ISL_1242147, EPI_ISL_1242159, EPI_ISL_1242166, EPI_ISL_1242201, EPI_ISL_1242217, EPI_ISL_1242223, EPI_ISL_1242229, EPI_ISL_1242237,			

EPI_ISL_1242250, EPI_ISL_1242266, EPI_ISL_1242275, EPI_ISL_1244871, EPI_ISL_1244872, EPI_ISL_1244875, EPI_ISL_1244877, EPI_ISL_1244880, EPI_ISL_1244882, EPI_ISL_1244905, EPI_ISL_1244913, EPI_ISL_1244915, EPI_ISL_1244920, EPI_ISL_1244922, EPI_ISL_1244932, EPI_ISL_1244936, EPI_ISL_1244939, EPI_ISL_1244941, EPI_ISL_1244949, EPI_ISL_1244979, EPI_ISL_1245002, EPI_ISL_1245004			
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_1247686, EPI_ISL_1247687, EPI_ISL_1247688	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_1247864, EPI_ISL_1247865, EPI_ISL_1247866, EPI_ISL_1247869	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_1247948, EPI_ISL_1247949, EPI_ISL_1247983, EPI_ISL_1248268, EPI_ISL_1248269, EPI_ISL_1248271, EPI_ISL_1248275, EPI_ISL_1248276, EPI_ISL_1248278, EPI_ISL_1248280, EPI_ISL_1248521			
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_1248822, EPI_ISL_1248823, EPI_ISL_1248825, EPI_ISL_1248826, EPI_ISL_1248827, EPI_ISL_1248901	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_1248964, EPI_ISL_1248971, EPI_ISL_1248976, EPI_ISL_1248977, EPI_ISL_1248997, EPI_ISL_1249012, EPI_ISL_1249029, EPI_ISL_1249034, EPI_ISL_1249035, EPI_ISL_1249036, EPI_ISL_1249049, EPI_ISL_1249058, EPI_ISL_1249060			
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 Yasi, 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_1249215, EPI_ISL_1249216, EPI_ISL_1249218, EPI_ISL_1249232	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_1249449	Laboratory of Genetics and Personalized Medicine, Zan Mitrev Clinic	Laboratory of Genetics and Personalized Medicine, Zan Mitrev Clinic	Kungulovski G. et al.
EPI_ISL_1250554	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_1250613	Centre Hospitalier Universitaire de Rouen Laboratoire de Virologie	Centre Hospitalier Universitaire de Rouen Laboratoire de Virologie	Alice Moisan, Fabienne De Oliveira, Marie Leoz
EPI_ISL_1251260	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1252014	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_1252024	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_1252892, EPI_ISL_1252904, EPI_ISL_1253399	Struttura Semplice Dipartimentale di Virologia e Microbiologia molecolare, Azienda Ospedaliero-Universitaria, Policlinico di Modena	U.O. Microbiologia, Laboratorio Unico Centro Servizi - AUSL della Romagna	Pecorari Monica, Gennari William, Fregni Serpini Giulia, Giorgio Dirani, Silvia Zannoli, Vittorio Sambri
EPI_ISL_1253538	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_1253705	Laboratorio Unico Provinciale Azienda Ospedaliero-Universitaria di Ferrara	U.O. Microbiologia, Laboratorio Unico Centro Servizi - AUSL della Romagna	Michela Boni, Sara Ghisellini, Giorgio Dirani, Silvia Zannoli, Vittorio Sambri
EPI_ISL_1253884	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_1255272, EPI_ISL_1255273, EPI_ISL_1255275	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 Boakyef5, Emmanuella Amoako4, Abdul-Karim Abass, , Samuel Kaba Akoriyea, Frederick Tei-Maya, Lucas N. Amenga-Etego, Dam Kenneth Mibut, Yaw Bediako, Benjamin Demah Nuertey, Gordon A Awandare, Peter K Quashie, Gordon A Awandare, Yaw Bediako
EPI_ISL_1256428	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_1259009, EPI_ISL_1259010, EPI_ISL_1259011, EPI_ISL_1259012, EPI_ISL_1259013, EPI_ISL_1259014, EPI_ISL_1259015, EPI_ISL_1259016, EPI_ISL_1259017, EPI_ISL_1259018	Azienda Ospedaliero - Universitaria di Bologna IRCCS Policlinico di Sant'Orsola - Unità di Microbiologia	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Risk Analysis and Genomic Epidemiology Unit	Giada Rossini, Giuliano Furlini, Tiziana Lazzarotto, Marina Morganti, Ilaria Menozzi, Erika Scaltriti, Stefano Pongolini
EPI_ISL_1259183	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_1260853, EPI_ISL_1260854	Center of Advanced Studies and Technology, Molecular Genetics Laboratory	Center of Advanced Studies and Technology, Molecular Genetics Laboratory	Ferrante Rossella, Mandatori Domitilla, De Fabritiis Simone, Damiani Verena, Anaclelio Federico
EPI_ISL_1261203, EPI_ISL_1261204, EPI_ISL_1261205, EPI_ISL_1261206, EPI_ISL_1261207, EPI_ISL_1261208, EPI_ISL_1261209, EPI_ISL_1261210, EPI_ISL_1261303, EPI_ISL_1261304, EPI_ISL_1261305, EPI_ISL_1261308, EPI_ISL_1261309, EPI_ISL_1261310, EPI_ISL_1261311, EPI_ISL_1261312, EPI_ISL_1261313, EPI_ISL_1261314			
see above	National Institute of Public Health	National Reference Laboratory for Influenza and Respiratory Viruses CZE	Helena Jirincova, Jaromira Vecerova, Timotej Suri, Dusan Trnka, Alexander Nagy
EPI_ISL_1262096	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_1264168	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_1265479	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_1265484, EPI_ISL_1265556, EPI_ISL_1265557, EPI_ISL_1265558	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_1265626, EPI_ISL_1265627, EPI_ISL_1265628	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_1265899, EPI_ISL_1265901	Laboratorio Unico Provinciale Azienda Ospedaliero-Universitaria di Ferrara	U.O. Microbiologia, Laboratorio Unico Centro Servizi - AUSL della Romagna	Michela Boni, Sara Ghisellini, Giorgio Dirani, Silvia Zannoli, Vittorio Sambri
EPI_ISL_1267308	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1268733	Hannover Medical School, Institute of Virology	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1272058, EPI_ISL_1272059, EPI_ISL_1272060, EPI_ISL_1272069	Hospital Universitario Virgen de las Nieves de Granada-SAS	SeqCOVID-SPAIN consortium/IBV(CSIC)	Sara Sanbonmatsu Gámez, Irene Pedrosa Corral, José M. Navarro-Marí and SeqCOVID-SPAIN consortium
EPI_ISL_1272437, EPI_ISL_1272456, EPI_ISL_1272482	Hospital General Universitario Gregorio Marañón	SeqCOVID-SPAIN consortium/IBV(CSIC)	Darío 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_1273731	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_1273801, EPI_ISL_1273802	WSSE Gdask	1. National Institute of Public Health - National Institute of Hygiene; 2. Eurofins Genomics Europe Sequencing GmbH	Wokowicz Tomasz, Zacharczuk Katarzyna, Sadkowska-Todys Magorzata, Gierczyki Rafa, Eurofins Genomics Europe Sequencing Team, ECDC COVID-19 WGS support team
EPI_ISL_1278291, EPI_ISL_1278321	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 Mejías Lobón, María Antonia García Castro, Carmen Gimeno Crespo, Noelia Arenal Andrés, Carlos Fuster Foz, M. Isabel Fernandez-Natal, Jose Maria Eiros Bouza
EPI_ISL_1278392, EPI_ISL_1278417, EPI_ISL_1278442, EPI_ISL_1278466, EPI_ISL_1278469, EPI_ISL_1278510, EPI_ISL_1278555, EPI_ISL_1278562, EPI_ISL_1278563, EPI_ISL_1278597, EPI_ISL_1278598, EPI_ISL_1278599, EPI_ISL_1278600, EPI_ISL_1278628, EPI_ISL_1278629, EPI_ISL_1278630, EPI_ISL_1278631, EPI_ISL_1278781, EPI_ISL_1278782, EPI_ISL_1278783, EPI_ISL_1278784, EPI_ISL_1278804, EPI_ISL_1278821, EPI_ISL_1278830, EPI_ISL_1278832, EPI_ISL_1278835, EPI_ISL_1278836, EPI_ISL_1278838, EPI_ISL_1278844, EPI_ISL_1278854, EPI_ISL_1278874, EPI_ISL_1278877, EPI_ISL_1278882, EPI_ISL_1278885			
see above	Cialit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1280100, EPI_ISL_1280101, EPI_ISL_1280102, EPI_ISL_1280103, EPI_ISL_1280104, EPI_ISL_1280105, EPI_ISL_1280106, EPI_ISL_1280107, EPI_ISL_1280108, EPI_ISL_1280109, EPI_ISL_1280110, EPI_ISL_1280111, EPI_ISL_1280112, EPI_ISL_1280113			
see above	Department of Genetics, Medirex	Laboratory of Genomics and Bioinformatics, Comenius University Science Park	Tatiana Sedláková, Miroslav Böhmer, Renáta Lukaková, Gabriel Minárik, Anna Giová, Werner Krampf, Diana Rusáková, Jaroslav Budiš, Tomáš Szemes
EPI_ISL_1280602	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1281248, EPI_ISL_1284514	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1290168, EPI_ISL_1290169, EPI_ISL_1290170, EPI_ISL_1290171, EPI_ISL_1290172, EPI_ISL_1290173, EPI_ISL_1290174, EPI_ISL_1290175, EPI_ISL_1290176, EPI_ISL_1290177, EPI_ISL_1290178, EPI_ISL_1290179, EPI_ISL_1290180, EPI_ISL_1290181, EPI_ISL_1290298, EPI_ISL_1290299, EPI_ISL_1290300, EPI_ISL_1290301			
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_1291317, EPI_ISL_1291319, EPI_ISL_1291325, EPI_ISL_1291329, EPI_ISL_1291352, EPI_ISL_1291361, EPI_ISL_1291373	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1295171, EPI_ISL_1295172	Laboratory Diagnostics and Clinical Immunology of Developmental Age, Medical University of Warsaw	genXone SA, Research & Development Laboratory; The Faculty of Mathematics, Informatics and Mechanics of the University of Warsaw	Maciej Sykulski, Grzegorz Nowicki, Jakub Grabowski, Natalia Drweska-Matelska, Anna Brylak-Blaszkow, Aleksandra Gidlewicz, Karol Szeszko, Lukasz Krych, Michal Kaszuba, Anna Gambin, Urszula Demkow
EPI_ISL_1295203, EPI_ISL_1295261	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Kelsey R. Florek, Abigail C. Shockey
EPI_ISL_1295818	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_1296603, EPI_ISL_1296604, EPI_ISL_1296605, EPI_ISL_1296607, EPI_ISL_1296609, EPI_ISL_1296610, EPI_ISL_1296611, EPI_ISL_1296612, EPI_ISL_1296613, EPI_ISL_1296615, EPI_ISL_1296616, EPI_ISL_1296621			
see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_1297210	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_1297216	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_1297335, EPI_ISL_1297336, EPI_ISL_1297337, EPI_ISL_1297339, EPI_ISL_1297344	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_1297384	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_1297422	CH Givors	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1297437, EPI_ISL_1297438, EPI_ISL_1297440	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_1297827, EPI_ISL_1297828, EPI_ISL_1297829	Arcispedale Santa Maria Nuova, Autoimmunità, Allergologia e Biotecnologie Innovative	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Risk Analysis and Genomic Epidemiology Unit	Alessandro Zerbini, Lucia Belloni, Stefania Croci, Marina Morganti, Ilaria Menozzi, Erika Scaltriti, Stefano Pongolini
EPI_ISL_1300345, EPI_ISL_1300346, EPI_ISL_1300347, EPI_ISL_1300348, EPI_ISL_1300349, EPI_ISL_1300350, EPI_ISL_1300351, EPI_ISL_1300360, EPI_ISL_1300361, EPI_ISL_1300365, EPI_ISL_1300369, EPI_ISL_1300370, EPI_ISL_1300372, EPI_ISL_1300388, EPI_ISL_1300389, EPI_ISL_1300390, EPI_ISL_1300391, EPI_ISL_1300392, EPI_ISL_1300393, EPI_ISL_1300398, EPI_ISL_1300400, EPI_ISL_1300401, EPI_ISL_1300407, EPI_ISL_1300408, EPI_ISL_1300409, EPI_ISL_1300412			
see above	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_1300768, EPI_ISL_1300809	MSHS Clinical Microbiology Laboratories	MSHS Pathogen Surveillance Program	Ana S. Gonzalez-Reiche, Hala Alshammmary, 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 Albuquerque, Adriana van de Guchte, Komal Srivastava, Matthew M. Hernandez, Jayeeta Dutta, Denise Jurczynszak, Nancy Francoeur, Betsaida Salom Melo, Irina Oussenko, Gintaras Deikus, Juan Soto, Shwetha Hara Sridhar, Ying-Chih Wang, Kathryn Twyman, Deena R. Altman, Robert Sebra, Adolfo García-Sastre, Marta Luksza, Gopi Patel, Sarah Schaefer, Melissa Gitman, Michael D. Nowak, Alberto Paniz-Mondolfi, Emilia Mia Sordillo, Viviana Simon, Harm van Bakel
EPI_ISL_1301992, EPI_ISL_1302056	National Center of Infectious and Parasitic Diseases	National Center of Infectious and Parasitic Diseases	Alexiev et al
EPI_ISL_1302674	National Center for Infectious and Parasitic Diseases	National Center for Infectious and Parasitic Diseases	Alexiev et al
EPI_ISL_1302694, EPI_ISL_1302699	Gravity Diagnostics	Kentucky State Public Health Lab	Stephanie Lunn, Karim George, Joshua Tobias, William Grooms, Vaneet Arora, Matthew Johnson, Rachel Zinner, Rhonda Lucas
EPI_ISL_1302820, EPI_ISL_1302821, EPI_ISL_1302822, EPI_ISL_1302823, EPI_ISL_1302824, EPI_ISL_1302825,	ADMED Microbiologie	Genomics and Transcriptomics, Philip Morris International	Reto Lienhard, Marie-Lise Tritten, Emmanuel Guedj, Nicolas Sierró, Rémi Dulize, David Bornand, Mehdi Auberson, Maxime Berthouzoz, Nikolai Ivanov, Manuel Peitsch

EPI_ISL_1302826			
EPI_ISL_1303382, EPI_ISL_1303399	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_1308537, EPI_ISL_1308538, EPI_ISL_1308543	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_1308722, EPI_ISL_1308723, EPI_ISL_1308831	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_1308963, EPI_ISL_1309039	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_1309648, EPI_ISL_1309649, EPI_ISL_1309650, EPI_ISL_1309651, EPI_ISL_1309652, EPI_ISL_1309653, EPI_ISL_1309654, EPI_ISL_1309655, EPI_ISL_1309656, EPI_ISL_1309657, EPI_ISL_1309658			
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_1309670, EPI_ISL_1309672	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_1309749, EPI_ISL_1309752	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_1311117, EPI_ISL_1311118, EPI_ISL_1311195	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_1311879, EPI_ISL_1311902, EPI_ISL_1311903, EPI_ISL_1311904, EPI_ISL_1311938, EPI_ISL_1311939, EPI_ISL_1311940	Hospital General Universitario de Alicante - Instituto de Investigación Sanitaria y Biomédica de Alicante	SeqCOVID-SPAIN consortium/IBV(CSIC)	Maripaz Ventero Martin, Carmen Molina Pardines and SeqCOVID-SPAIN consortium
EPI_ISL_1312776	Molecular & Genomic Pathology Laboratory, Thomas Jefferson University Hospital	Molecular & Genomic Pathology Laboratory, Thomas Jefferson University Hospital	Run Jin, Nitika Badjatia, Zi-xuan Wang
EPI_ISL_1313047	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_1315009, EPI_ISL_1315010, EPI_ISL_1315011	National Institute of Public Health	National Institute of Public Health	Helena Jirincova, Jaromira Vecerova, Timotej Suri, Dusan Trnka, Alexander Nagy
EPI_ISL_1317240	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 Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317309	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 Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317310	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, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317311, EPI_ISL_1317312, EPI_ISL_1317313	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 Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317314	Department of Medical Microbiology, St. Olavs hospital	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317315	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 Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317316, EPI_ISL_1317317, EPI_ISL_1317318	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 Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317319	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 Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317910	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 Volla, Karoline Bragstad, Olav Hungnes
EPI_ISL_1321464	Genetica Molecular and Subdepartamento de Virologia ISP Chile	Instituto de Salud Publica de Chile	Javier Tognarelli, Karen Orostica, Barbara Parra, Loredana Arata, Jaime Lagos, Gisselle Barra, Patricia Bustos, Rodrigo Fasce, Andres Castillo, Jorge Fernandez
EPI_ISL_1321818, EPI_ISL_1321819, EPI_ISL_1321822, EPI_ISL_1321825, EPI_ISL_1321826, EPI_ISL_1321827, EPI_ISL_1321828, EPI_ISL_1321829	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1324046, EPI_ISL_1324050, EPI_ISL_1324051, EPI_ISL_1324082, EPI_ISL_1324083	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_1347783	DeRisi Lab, University of California, San Francisco	DeRisi Lab, University of California, San Francisco	Sabrina Mann, Anthea Mitchell, Jamin Liu, Sara Sunshine, Matthew Laurie, Genay Pilarowski, Amy Kistler, Manu Vanaershot, Patrick Ayscue, Lucy Li, Eric Chow, IDseq Team, James Peng, Carina Marquez, Luis Rubio, Gabriel Chamie, Diane Jones, Jon Jacobo, Susana Rojas, Susy Rojas, Valerie Tulier-Laiwa, Douglas Black, Jackie Martinez, Maya Petersen, Diane Havlir, and Joseph DeRisi
EPI_ISL_1349017	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1349557	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1349610, EPI_ISL_1349618, EPI_ISL_1349622, EPI_ISL_1349628, EPI_ISL_1349644, EPI_ISL_1349646	Landesgesundheitsamt Baden-Württemberg	Robert Koch Institute	unknown
EPI_ISL_1350226, EPI_ISL_1353639	MDI Limbach Berlin GmbH	Robert Koch Institute	unknown
EPI_ISL_1357907, EPI_ISL_1358014, EPI_ISL_1358015, EPI_ISL_1358016, EPI_ISL_1358017, EPI_ISL_1358018, EPI_ISL_1358019, EPI_ISL_1358020, EPI_ISL_1358021, EPI_ISL_1358022, EPI_ISL_1358023, EPI_ISL_1358024, EPI_ISL_1358025, EPI_ISL_1358026, EPI_ISL_1358027, EPI_ISL_1358028, EPI_ISL_1358029, EPI_ISL_1358030, EPI_ISL_1358031, EPI_ISL_1358032, EPI_ISL_1358033, EPI_ISL_1358034, EPI_ISL_1358035, EPI_ISL_1358036, EPI_ISL_1358037, EPI_ISL_1358146, EPI_ISL_1358147, EPI_ISL_1358148, EPI_ISL_1358149, EPI_ISL_1358150, EPI_ISL_1358151, EPI_ISL_1358152, EPI_ISL_1358153, EPI_ISL_1358154,			

EPI_ISL_1358155, EPI_ISL_1358156, EPI_ISL_1358157, EPI_ISL_1358158, EPI_ISL_1358159, EPI_ISL_1358160, EPI_ISL_1358161, EPI_ISL_1358162			
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_1358773, EPI_ISL_1358774, EPI_ISL_1358775, EPI_ISL_1358776, EPI_ISL_1358778, EPI_ISL_1358779, EPI_ISL_1358781, EPI_ISL_1358782, EPI_ISL_1358784, EPI_ISL_1358785, EPI_ISL_1358786, EPI_ISL_1358787, EPI_ISL_1358788, EPI_ISL_1358789, EPI_ISL_1358790			
see above	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Oma Mor
EPI_ISL_1359972	LAB 77	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_1359973, EPI_ISL_1359974, EPI_ISL_1359975	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_1361578	1.AO Universitaria 'S. Giovanni di Dio e Ruggi D'Aragona, Scuola Medica Salernitana' Hospital / 2.UOC di Virologia e Microbiologia, Università della Campania 'L. Vanvitelli' / 3.AO Universitaria 'Federico II' Napoli Hospital / 4.AORN 'San Giuseppe Moscati' Avellino Hospital / 5.AO 'San Pio - presidio G. Rummo' Benevento Hospital / 6.AO 'Sant'Anna e San Sebastiano' Caserta Hospital / 7.PO 'Maria Santissima Addolorata' Eboli Hospital / 8.Biogen Istituto di Ricerche Genetiche / 9. U.O.C. di Genetica Medica e di Laboratorio A.O.R.N., Azienda Ospedaliera di Rilievo Nazionale Antonio Cardarelli, Napoli / 10. Centro di riferimento Oncologico della Basilicata (IRCCS-CROB), Rionero in Vulture (PZ) / 11. Presidio Ospedaliero di Agropoli, Agropoli (SA).	1. Genome Research Center for Health (CRGS) / 2. Laboratory of Molecular Medicine and Genomics(LMMGe) / 3. Center for Research in Pure and Applied Mathematics (CRMPA)	Giorgio Giurato (Corresponding Author), Francesca Rizzo (Corresponding Author), Alessandro Weisz (Corresponding Author), Gianluigi Franci, Giovanni Nassa, Pasquale Pagliano, Roberta Tarallo, Elena Alexandrova, Ylenia D'Agostino, Carlo Ferravante, Jessica Lamberti, Viola Melone, Domenico Memoli, Valeria Mirici Cappa, Domenico Palumbo, Giovanni Pecoraro, Assunta Sellitto, Oriana Strianese, Ilaria Terenzi, Giuseppe Fenza, Aniello Gentile, Antonello Saccomanno, Sonia Amabile, Teresa Rocco, Annamaria Salvati, Emilia Vaccaro, Massimiliano Galdiero, Michele Cennamo, Giuseppe Portella, Maria Grazia Foti, Mariarosaria Ingino, Maria Landi, Maurizio Fumi, Vincenzo Rocco, Rita Greco, Vittoria Letizia, Arnolfo Petruzzello, Maddalena Schioppa, Gregorio Goffredi, Francesca Marciano, Michele Caraglia, Alessia Cossu, Marianna Scrima, Edmondo Adoriso, Morena D'Avenia, Michela Iacobellis, Rosanna Piluscio, Giorgio Dirani, Vittorio Sambri, Simona Semprini, Silvia Zanoli, Francesco Curcio, Stefania Marzinotto, Andreina Baj, Fausto Sessa.
EPI_ISL_1363830, EPI_ISL_1363834, EPI_ISL_1363839, EPI_ISL_1363840, EPI_ISL_1363841, EPI_ISL_1363842, EPI_ISL_1363843, EPI_ISL_1363844, EPI_ISL_1363877, EPI_ISL_1363879, EPI_ISL_1363907, EPI_ISL_1363908, EPI_ISL_1363909, EPI_ISL_1363910, EPI_ISL_1363911, EPI_ISL_1363912, EPI_ISL_1363913, EPI_ISL_1363914, EPI_ISL_1363915, EPI_ISL_1363916, EPI_ISL_1363917, EPI_ISL_1363918, EPI_ISL_1363920, EPI_ISL_1363933, EPI_ISL_1363934, EPI_ISL_1363935, EPI_ISL_1363936, EPI_ISL_1363937, EPI_ISL_1363938, EPI_ISL_1363939, EPI_ISL_1363940, EPI_ISL_1363958, EPI_ISL_1363959, EPI_ISL_1363960, EPI_ISL_1363961, EPI_ISL_1364001, EPI_ISL_1364002, EPI_ISL_1364004, EPI_ISL_1364005, EPI_ISL_1364011, EPI_ISL_1364027, EPI_ISL_1364029, EPI_ISL_1364030, EPI_ISL_1364053, EPI_ISL_1364054, EPI_ISL_1364055, EPI_ISL_1364056, EPI_ISL_1364057, EPI_ISL_1364058, EPI_ISL_1364059, EPI_ISL_1364060, EPI_ISL_1364061, EPI_ISL_1364062, EPI_ISL_1364071, EPI_ISL_1364100, EPI_ISL_1364101, EPI_ISL_1364102, EPI_ISL_1364103, EPI_ISL_1364104, EPI_ISL_1364105, EPI_ISL_1364106, EPI_ISL_1364127, EPI_ISL_1364139, EPI_ISL_1364141, EPI_ISL_1364143, EPI_ISL_1364144, EPI_ISL_1364201, EPI_ISL_1364202, EPI_ISL_1364204, EPI_ISL_1364206, EPI_ISL_1364207, EPI_ISL_1364208, EPI_ISL_1364209, EPI_ISL_1364210, EPI_ISL_1364211, EPI_ISL_1364212, EPI_ISL_1364213, EPI_ISL_1364243, EPI_ISL_1364289, EPI_ISL_1364292, EPI_ISL_1364293, EPI_ISL_1364294, EPI_ISL_1364295, EPI_ISL_1364296, EPI_ISL_1364410, EPI_ISL_1364421, EPI_ISL_1364423			
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_1364517	Stanford Health Care	Stanford University School of Medicine, Clinical Virology Laboratory	Daniel Solis, Mamdouh Sibai, Fumiko Yamamoto, Malaya K. Sahoo, Michelle Verghese, ChunHong Huang, James Zehnder, and Benjamin A. Pinsky
EPI_ISL_1366172	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Shah Mohamed Bakhsh, Michelle Lin, Noah R. Baker, Sean Ellis, Saraswathi Sathees, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_1369195, EPI_ISL_1369196, EPI_ISL_1369203	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_1373061, EPI_ISL_1373062, EPI_ISL_1373110, EPI_ISL_1373112, EPI_ISL_1373123	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1373846, EPI_ISL_1373864, EPI_ISL_1373873, EPI_ISL_1373876, EPI_ISL_1373878	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_1380799, EPI_ISL_1380800, EPI_ISL_1380801, EPI_ISL_1380802, EPI_ISL_1380803, EPI_ISL_1380865, EPI_ISL_1380868, EPI_ISL_1380869, EPI_ISL_1380997, EPI_ISL_1381000, EPI_ISL_1381003, EPI_ISL_1381004, EPI_ISL_1381005, EPI_ISL_1381026, EPI_ISL_1381028, EPI_ISL_1381031, EPI_ISL_1381032, EPI_ISL_1381034			
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_1381308, EPI_ISL_1381314, EPI_ISL_1381316, EPI_ISL_1381332, EPI_ISL_1381333	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_1382833, EPI_ISL_1382834, EPI_ISL_1382835, EPI_ISL_1382836, EPI_ISL_1382837, EPI_ISL_1382838, EPI_ISL_1382839, EPI_ISL_1382840, EPI_ISL_1382841, EPI_ISL_1382842, EPI_ISL_1382843, EPI_ISL_1382844			
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_1383415, EPI_ISL_1383416, EPI_ISL_1383417, EPI_ISL_1383420, EPI_ISL_1383423, EPI_ISL_1383424, EPI_ISL_1383425, EPI_ISL_1383430, EPI_ISL_1383431, EPI_ISL_1383433, EPI_ISL_1383434, EPI_ISL_1383436, EPI_ISL_1383437, EPI_ISL_1383438, EPI_ISL_1383439, EPI_ISL_1383440, EPI_ISL_1383442, EPI_ISL_1383443, EPI_ISL_1383445, EPI_ISL_1383446, EPI_ISL_1383447, EPI_ISL_1383448, EPI_ISL_1383449, EPI_ISL_1383450, EPI_ISL_1383453, EPI_ISL_1383454, EPI_ISL_1383455, EPI_ISL_1383456, EPI_ISL_1383457, EPI_ISL_1383458, EPI_ISL_1383459, EPI_ISL_1383460, EPI_ISL_1383461, EPI_ISL_1383462, EPI_ISL_1383464, EPI_ISL_1383469, EPI_ISL_1383470, EPI_ISL_1383471, EPI_ISL_1383472, EPI_ISL_1383473, EPI_ISL_1383475			
see above	Laboratoire national de sante, Microbiology, Virology	Laboratoire national de sante, Microbiology, Microbial Genomics Platform	Anke Wienecke-Baldacchino, Catherine Ragimbeau, Jessica Tapp, Fatu Djabi, Lise Pignon, Raoul Salmon, Trung Nguyen Nguyen, Tamir Abdelrahman
EPI_ISL_1383850, EPI_ISL_1383851, EPI_ISL_1383868	Hospital Center Emile Mayrisch	Laboratoire national de sante, Microbiology, Microbial Genomics Platform	Anke Wienecke-Baldacchino, Catherine Ragimbeau, Jessica Tapp, Fatu Djabi, Lise Pignon, Raoul Salmon, Cynthia Oxacelay, Tamir Abdelrahman
EPI_ISL_1384054	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_1384557, EPI_ISL_1384564, EPI_ISL_1384565, EPI_ISL_1384567, EPI_ISL_1384573, EPI_ISL_1384574, EPI_ISL_1384588, EPI_ISL_1384610	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_1384861	National Centre For Cell Science	National Institute of Virology, Pune	Dhiraj Paul, Mohak P Gujare, Shivang P. Bhanushali, Mitali Inamdar, Sonal Manik Chavan, Manoj Kumar Bhat, Ajay Pillai, Yogesh Shouche
EPI_ISL_1384862, EPI_ISL_1384871	National Centre For Cell Science	National Institute of Virology, Pune	Dhiraj Paul, Mitali Inamdar, Sonal Manik Chavan, Mohak P Gujare, Shivang P. Bhanushali, Manoj Kumar Bhat, Ajay Pillai, Yogesh Shouche
EPI_ISL_1387229, EPI_ISL_1387230, EPI_ISL_1387231	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_1387502, EPI_ISL_1387520, EPI_ISL_1387521	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_1388134, EPI_ISL_1388152,	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_1388154, EPI_ISL_1388206			
EPI_ISL_1388263, EPI_ISL_1388291, EPI_ISL_1388336, EPI_ISL_1388338	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_1388340, EPI_ISL_1388342	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_1388358, EPI_ISL_1388360	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_1388362, EPI_ISL_1388364	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_1388366	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_1388370, EPI_ISL_1388453, EPI_ISL_1388462	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_1388471, EPI_ISL_1388473, EPI_ISL_1388474	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_1388476	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_1388494	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_1388532	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_1388534, EPI_ISL_1388550	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_1388552	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_1388568	Team W	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_1388604	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_1388710, EPI_ISL_1388712, EPI_ISL_1388714, EPI_ISL_1388715, EPI_ISL_1388717, EPI_ISL_1388719, EPI_ISL_1388721, EPI_ISL_1388724, EPI_ISL_1388725, EPI_ISL_1388728, EPI_ISL_1388730, EPI_ISL_1388756, EPI_ISL_1388758, EPI_ISL_1388760, EPI_ISL_1388764			
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EPI_ISL_1391278, EPI_ISL_1391280, EPI_ISL_1391283, EPI_ISL_1391285, EPI_ISL_1391286, EPI_ISL_1391289, EPI_ISL_1391291, EPI_ISL_1391292, EPI_ISL_1391293, EPI_ISL_1391294, EPI_ISL_1391297, EPI_ISL_1391301, EPI_ISL_1391302, EPI_ISL_1391303, EPI_ISL_1391305, EPI_ISL_1391307, EPI_ISL_1391309, EPI_ISL_1391311, EPI_ISL_1391312, EPI_ISL_1391313, EPI_ISL_1391314, EPI_ISL_1391316, EPI_ISL_1391318, EPI_ISL_1391319, EPI_ISL_1391320, EPI_ISL_1391327, EPI_ISL_1391328, EPI_ISL_1391329, EPI_ISL_1391331, EPI_ISL_1391332, EPI_ISL_1391333, EPI_ISL_1391335, EPI_ISL_1391341, EPI_ISL_1391343, EPI_ISL_1391347, EPI_ISL_1391348, EPI_ISL_1391352, EPI_ISL_1391353, EPI_ISL_1391354, EPI_ISL_1391355, EPI_ISL_1391356			
see above	Motol University Hospital	Institute of Applied Biotechnologies a.s.	Petr Klempt, Ondej Brzo, Martin Kašný, Kateina Kvapilová, Pavel Devínek, Petr Kvapil
EPI_ISL_1393024, EPI_ISL_1393025, EPI_ISL_1393026, EPI_ISL_1393027, EPI_ISL_1393028, EPI_ISL_1393029, EPI_ISL_1393030, EPI_ISL_1393031, EPI_ISL_1393032, EPI_ISL_1393033, EPI_ISL_1393034, EPI_ISL_1393035, EPI_ISL_1393036, EPI_ISL_1393037, EPI_ISL_1393038, EPI_ISL_1393039, EPI_ISL_1393040, EPI_ISL_1393041, EPI_ISL_1393042, EPI_ISL_1393043, EPI_ISL_1393044			
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EPI_ISL_1399725, EPI_ISL_1399953, EPI_ISL_1400262	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1400928, EPI_ISL_1400930	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_1404576	DC Public Health Lab/ Dept. of Forensic Sciences	DC Public Health Lab/ Dept. of Forensic Sciences	Janis Doss, Scott Nguyen, Elizabeth Zelaya, Sarah Scott, Connie Maza, Monica Mann, Brittany Hamilton, David Payne, Jocelyn Hauser
EPI_ISL_1404616	siParadigm LLC	siParadigm LLC	Kamfai Chan
EPI_ISL_1406621	Centre Hospitalier Universitaire Clermont-Ferrand	CHU Clermont-Ferrand, service de virologie	Bisseux Maxime, Mirand Audrey, Combes Patricia, Henquell Cécile
EPI_ISL_1407268	Broad Institute Clinical Research Sequencing Platform	Infectious Disease Program, Broad Institute of Harvard and MIT	Siddle,K.J., Adams,G., Pearlman,L., Gladden-Young,A., Vicente,G., Blumenstiel,B., DeFelice,M., Lee,M., McGovern,S., Lagerborg,K., Rudy,M., DeRuff,K., Carter,A., Normandin,E., Bauer,M., Reilly,S., Tomkins-Tinch,C., Loreth,C., Chaluvadi,S., Meldrim,J., Granger,B., Lemieux,J.E., Birren,B.W., Sabeti,P.C., Larkin,K., Dodge,S., Lennon,N., Madoff,L., Brown,C., Gallagher,G., Smole,S., Park,D.J., Gabriel,S., and MacInnis,B.L.
EPI_ISL_1415171, EPI_ISL_1415197, EPI_ISL_1415201, EPI_ISL_1415215, EPI_ISL_1415326, EPI_ISL_1415328, EPI_ISL_1415329, EPI_ISL_1415346	National Centre For Cell Science	National Centre For Cell Science	Dhiraj Paul, Sonal Manik Chavan, Mohak P Gujare, Shivang P. Bhanushali, Mitali Inamdar, Manoj Kumar Bhat, Ajay Pillai, Yogesh Shouche
EPI_ISL_1417497, EPI_ISL_1417536, EPI_ISL_1417577, EPI_ISL_1417587, EPI_ISL_1417614, EPI_ISL_1417615, EPI_ISL_1417820, EPI_ISL_1417821, EPI_ISL_1417822, EPI_ISL_1417823, EPI_ISL_1417824, EPI_ISL_1417825, EPI_ISL_1417826, EPI_ISL_1417827, EPI_ISL_1417828, EPI_ISL_1417829, EPI_ISL_1417830, EPI_ISL_1417831, EPI_ISL_1417832, EPI_ISL_1417833, EPI_ISL_1417834, EPI_ISL_1417835, EPI_ISL_1417836, EPI_ISL_1417837, EPI_ISL_1417838, EPI_ISL_1417839, EPI_ISL_1417840, EPI_ISL_1417841, EPI_ISL_1417842, EPI_ISL_1417843, EPI_ISL_1417844, EPI_ISL_1417845, EPI_ISL_1417846, EPI_ISL_1417847, EPI_ISL_1417848, EPI_ISL_1417849, EPI_ISL_1417850, EPI_ISL_1417851, EPI_ISL_1417852, EPI_ISL_1417853, EPI_ISL_1417854, EPI_ISL_1417855, EPI_ISL_1417856, EPI_ISL_1417857, EPI_ISL_1417858, EPI_ISL_1417859, EPI_ISL_1417860, EPI_ISL_1418017, EPI_ISL_1418018, EPI_ISL_1418019, EPI_ISL_1418020, EPI_ISL_1418021, EPI_ISL_1418022, EPI_ISL_1418023, EPI_ISL_1418024, EPI_ISL_1418025, EPI_ISL_1418026, EPI_ISL_1418060, EPI_ISL_1418066, EPI_ISL_1418337, EPI_ISL_1418536, EPI_ISL_1418541, EPI_ISL_1418612, EPI_ISL_1418613, EPI_ISL_1418614, EPI_ISL_1418615, EPI_ISL_1418616, EPI_ISL_1418617			
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_1419519	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_1420016, EPI_ISL_1420340, EPI_ISL_1420341, EPI_ISL_1420342, EPI_ISL_1420343, EPI_ISL_1420344, EPI_ISL_1420345, EPI_ISL_1420346, EPI_ISL_1420347, EPI_ISL_1420348, EPI_ISL_1420349, EPI_ISL_1420350, EPI_ISL_1420516, EPI_ISL_1420517, EPI_ISL_1420518, EPI_ISL_1420519, EPI_ISL_1420520, EPI_ISL_1420521, EPI_ISL_1420522, EPI_ISL_1420523, EPI_ISL_1420524, EPI_ISL_1420525, EPI_ISL_1420526, EPI_ISL_1420568			
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_1423804, EPI_ISL_1423810	Servicio de Microbiología. Hospital Ramón y Cajal. (CIBERESP)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Jose Mº González-Alba, L. Olavarrieta, Val Fernández, Juan C Galán and SeqCOVID-SPAIN consortium
EPI_ISL_1424398, EPI_ISL_1424431	Università Federico II - Dipartimento di scienze mediche traslazionali - Napoli	TIGEM	Antonio Grimaldi Patrizia Annunziata Francesco Panariello Michele Cennamo Valentina Bouche Chiara Colantuono Lucio Di Filippo Mariano Fiorenza Anna Manfredi Marcello Salvi Giuseppe Portella Andrea Ballabio Davide Cacchiarelli
EPI_ISL_1424981, EPI_ISL_1424982	Claalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1425124, EPI_ISL_1425125, EPI_ISL_1425256	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_1426570, EPI_ISL_1426571	SARS-CoV-2 testing team, National Institute of Infectious	Pathogen Genomics Center, National Institute of Infectious	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Hidemasa Izumiya, Hideyuki Takahashi, Masatomo Morita, Nobuo Koizumi, ,

	Diseases	Diseases	Makoto Kuroda
EPI_ISL_1426579	SARS-CoV-2 testing team, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Daisuke Kobayashi, Kousho Wakae, Hussein H. Aly, Kento Fukano, Takanobu Kato, Makoto Kuroda
EPI_ISL_1426582, EPI_ISL_1426583, EPI_ISL_1426584, EPI_ISL_1426586	Saitama Prefectural Institute of Public Health	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Daisuke Kobayashi, Kousho Wakae, Hussein H. Aly, Kento Fukano, Takanobu Kato, Makoto Kuroda
EPI_ISL_1428588	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_1430586, EPI_ISL_1430587, EPI_ISL_1430588, EPI_ISL_1430589, EPI_ISL_1430590, EPI_ISL_1430591, EPI_ISL_1430592, EPI_ISL_1430593	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_1430628	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, Yoshihiro Kaku, Yasutaka Hoshino, Chikako Shimokawa, Eunsil Park, Tsuguto Fujimoto, Makoto Kuroda
EPI_ISL_1430635, EPI_ISL_1430636	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_1430670, EPI_ISL_1430671	Osaka Institute of Public Health, Morinomiya Center	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_1439697, EPI_ISL_1439698, EPI_ISL_1439702, EPI_ISL_1439704, EPI_ISL_1439705	Corona-Testzentrum ifp Institut für Produktqualität GmbH	Robert Koch Institute	unknown
EPI_ISL_1440087	KEMRI-Wellcome Trust Research Programme,Kilifi	KEMRI-Wellcome Trust Research Programme,Kilifi	Githinji G.,Mohamed K.S.,deLaurent Z.,Mburu M.W.
EPI_ISL_1443338	VIROLOGY LABORATORY-CHU NICE	VIROLOGY LABORATORY-CHU NICE	Sebastien Vitale, Geraldine Gonfrier, Valerie Giordanengo
EPI_ISL_1444895	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_1446379, EPI_ISL_1446387	Texas Children's Hospital	Texas Children's Microbiome Center	Ruth Ann Luna, Jennifer K. Spinler, James Dunn, James Versalovic, Ila Singh
EPI_ISL_1447047	FL Bur. of Public Health Laboratories-Jacksonville	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhvani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1447048	DC Public Health Lab/ Dept. of Forensic Sciences	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhvani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1457002, EPI_ISL_1457030	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Lisa Wijsman, Kim Freriks, Ryanne Jaarsma, Eunice Then, Jolienke Hardeman, Lynn Aarts, Sanne Bos, Melissa van Tuil, Robert Kohl, Linda van de Nes, Sjoerd Kuiling, James Groot, Florian Zwagemaker, Dennis Schmitz, Annelies Kroneman, Karim Hajji, Chantal Reusken, on behalf of the national COVID-19 response team
EPI_ISL_1464105	Kath. Marienkrankenhaus	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Alexis Robitaille, Thomas Günther, Johannes Knobloch, Martin Aepfelbacher, Nicole Fischer, Adam Grundhoff
EPI_ISL_949900, EPI_ISL_949902	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_950723, EPI_ISL_950724, EPI_ISL_950725, EPI_ISL_950726, EPI_ISL_950728	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_952956, EPI_ISL_952960, EPI_ISL_952961, EPI_ISL_952962, EPI_ISL_952966, EPI_ISL_952967, EPI_ISL_952971, EPI_ISL_952973, EPI_ISL_952974, EPI_ISL_952981, EPI_ISL_952987, EPI_ISL_952989, EPI_ISL_952992, EPI_ISL_952993, EPI_ISL_952996, EPI_ISL_953001, EPI_ISL_953005, EPI_ISL_953007, EPI_ISL_953011, EPI_ISL_953019, EPI_ISL_953023	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
see above			
EPI_ISL_953380	Jessa	Jessa	Jessa_cmdLab
EPI_ISL_953385, EPI_ISL_953386, EPI_ISL_953388	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_960177, EPI_ISL_960181	Jessa	Jessa	Jessa_cmdLab
EPI_ISL_960885, EPI_ISL_960891, EPI_ISL_960892, EPI_ISL_960894, EPI_ISL_960895, EPI_ISL_960896, EPI_ISL_960897, EPI_ISL_960898	Landesamt für Verbraucherschutz Sachsen Anhalt, Magdeburg	Institute of Medical Microbiology and Hospital Hygiene	Prof. Dr. Achim Kaasch, Aljoscha Tersteegen
EPI_ISL_961183, EPI_ISL_961184, EPI_ISL_961185, EPI_ISL_961190, EPI_ISL_961191, EPI_ISL_961197, EPI_ISL_961198, EPI_ISL_961199	AZDelta	AZDelta	Geert Martens; Dieter De Smet
EPI_ISL_961673	SIESP CHIETI DRIVE IN LANCIANO	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_961674, EPI_ISL_961675, EPI_ISL_961676, EPI_ISL_961677	SIESP CHIETI - DRIVE IN 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_961678	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_961679, EPI_ISL_961680, EPI_ISL_961681, EPI_ISL_961682	SIESP CHIETI - DRIVE IN 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_961683	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_961684	SIESP CHIETI - DRIVE IN CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.	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

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EPI_ISL_965267	SIESP CHIETI, DISTRETTON SAN 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_965268, EPI_ISL_965269	SIESP CHIETI, DISTRETTO SAN 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_965270	SIESP 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_965271	SIESP CHIETI, DISTRETTO SAN 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_965272	SIESP 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_965273, EPI_ISL_965274, EPI_ISL_965275	SIESP CHIETI, DISTRETTO SAN 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_965278, EPI_ISL_965279, EPI_ISL_965280, EPI_ISL_965281, EPI_ISL_965282, EPI_ISL_965283, EPI_ISL_965284, EPI_ISL_965285, EPI_ISL_965286, EPI_ISL_965287, EPI_ISL_965288, EPI_ISL_965289, EPI_ISL_965290, EPI_ISL_965291, EPI_ISL_965292, EPI_ISL_965293, EPI_ISL_965294, EPI_ISL_965295, EPI_ISL_965296, EPI_ISL_965297, EPI_ISL_965298, EPI_ISL_965299, EPI_ISL_965300				
see above	P.O.CARDARELLI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Scutellà M, Niro G, 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_966820	Maine HETL	Tewhey Lab, The Jackson Laboratory	Matluk,N., Dewey,H., Iosue,F., Barter,M., Lynch,R., Munger,H. and Tewhey,R.	
EPI_ISL_967882	Arizona State Public Health Laboratory	Arizona State Public Health Laboratory	Trung Huynh, Jessica Escobar, Katherine Fullerton, Nobuko Fukushima, Stacy White, Linda Getsinger, Victor Waddell	
EPI_ISL_969131	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio, Anna Perfetti,	
EPI_ISL_969227	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio, Anna Perfetti	
EPI_ISL_969456	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	
EPI_ISL_969884	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi,Claudia Tiberio, Anna Perfetti	
EPI_ISL_970647	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio,Anna Perfetti	
EPI_ISL_974745	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio, Anna Perfetti,	
EPI_ISL_977495, EPI_ISL_977496, EPI_ISL_977497, EPI_ISL_977498	University of Bari Biomedical Sciences and Human Oncology	University of Bari Biomedical Sciences and Human Oncology	Chironna M., Sallustio A., Loconsole D., Accogli M.	
EPI_ISL_977598	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio, Anna Perfetti	
EPI_ISL_977601, EPI_ISL_977603	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio, Anna Perfetti,	
EPI_ISL_977604, EPI_ISL_977608, EPI_ISL_977609, EPI_ISL_977611	SC (UCO) Igiene e Sanità Pubblica (funzione integrata con SC Microbiologia e Virologia) e Laboratory of Molecular Virology of the International Centre for Genetic Engineering and Biotechnology (ICGEB)	ARGO Laboratorio Genomica ed Epigenomica	Licastro D, Dal Monego S, Degasperi M, Marcello A, D'Agaro P, De Rosa R	
EPI_ISL_977612, EPI_ISL_977616, EPI_ISL_977617, EPI_ISL_977618, EPI_ISL_977619	SC (UCO) Igiene e Sanità Pubblica (funzione integrata con SC Microbiologia e Virologia) e Laboratory of Molecular Virology of the International Centre for Genetic Engineering and Biotechnology (ICGEB)	ARGO Laboratorio Genomica ed Epigenomica	Licastro D, Dal Monego S, Degasperi M, Marcello A, D'Agaro P, Pipan C	
EPI_ISL_977628	SC (UCO) Igiene e Sanità Pubblica (funzione integrata con SC Microbiologia e Virologia) e Laboratory of Molecular Virology of the International Centre for Genetic Engineering and Biotechnology (ICGEB)	ARGO Laboratorio Genomica ed Epigenomica	Licastro D, Dal Monego S, Degasperi M, Marcello A, Segat L, Piscianz E, D'Agaro P	
EPI_ISL_977642, EPI_ISL_977643, EPI_ISL_977646, EPI_ISL_977647	SC (UCO) Igiene e Sanità Pubblica (funzione integrata con SC Microbiologia e Virologia) e Laboratory of Molecular Virology of the International Centre for Genetic Engineering and Biotechnology (ICGEB)	ARGO Laboratorio Genomica ed Epigenomica	Licastro D, Dal Monego S, Degasperi M, Marcello A, D'Agaro P, Lombardo F	
EPI_ISL_977651	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Laboratorio Microbiologia e Virologia P.O. Cotugno A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio, Anna Perfetti,	
EPI_ISL_979360, EPI_ISL_979361	Microbiological Diagnostic Unit - Public Health Laboratory (MDU-PHL)	MDU-PHL	Seemann T., Sait, M.L., Sherry, N.L.	
EPI_ISL_979362, EPI_ISL_979363, EPI_ISL_979364	Victorian Infectious Diseases Reference Laboratory (VIDRL)	VIDRL and MDU-PHL	Caly L., Seemann T., Sait, M.L., Druce J., Sherry, N.L.	
EPI_ISL_979968, EPI_ISL_979969	National Institute of Infectious Diseases-Prof. Dr. Matei Bals Molecular Diagnostics Laboratory	National Institute of Infectious Diseases-Prof. Dr. Matei Bals Molecular Diagnostics Laboratory	Leontina Banica, Marius Surleac, Corina Casangiu, Petre Milu, Andreea Tudor, Simona Paraschiv, Dan Otelea	
EPI_ISL_980235, EPI_ISL_980236, EPI_ISL_980237, EPI_ISL_980238, EPI_ISL_980239, EPI_ISL_980240, EPI_ISL_980241, EPI_ISL_980242, EPI_ISL_980243, EPI_ISL_980244, EPI_ISL_980245, EPI_ISL_980246, EPI_ISL_980247, EPI_ISL_980248, EPI_ISL_980249, EPI_ISL_980250, EPI_ISL_980251, EPI_ISL_980252, EPI_ISL_980253, EPI_ISL_980254, EPI_ISL_980255, EPI_ISL_980256, EPI_ISL_980257, EPI_ISL_980258, EPI_ISL_980259, EPI_ISL_980260, EPI_ISL_980261, EPI_ISL_980262, EPI_ISL_980263, EPI_ISL_980264, EPI_ISL_980265, EPI_ISL_980266, EPI_ISL_980267, EPI_ISL_980268, EPI_ISL_980269, EPI_ISL_980270, EPI_ISL_980271, EPI_ISL_980272, EPI_ISL_980273, EPI_ISL_980274, EPI_ISL_980275, EPI_ISL_980276, EPI_ISL_980277, EPI_ISL_980278, EPI_ISL_980281, EPI_ISL_980282, EPI_ISL_980283, EPI_ISL_980284, EPI_ISL_980285, EPI_ISL_980286, EPI_ISL_980287, EPI_ISL_980288, EPI_ISL_980289, EPI_ISL_980290, EPI_ISL_980291, EPI_ISL_980292, EPI_ISL_980293, EPI_ISL_980294, EPI_ISL_980295, EPI_ISL_980297, EPI_ISL_980298, EPI_ISL_980299, EPI_ISL_980300, EPI_ISL_980301, EPI_ISL_980302, EPI_ISL_980303, EPI_ISL_980304, EPI_ISL_980305, EPI_ISL_980306, EPI_ISL_980307, EPI_ISL_980308, EPI_ISL_980309, EPI_ISL_980310, EPI_ISL_980311, EPI_ISL_980312, EPI_ISL_980313, EPI_ISL_980314, EPI_ISL_980315, EPI_ISL_980316, EPI_ISL_980317, EPI_ISL_980318, EPI_ISL_980319, EPI_ISL_980320, EPI_ISL_980321, EPI_ISL_980322, EPI_ISL_980323, EPI_ISL_980324, EPI_ISL_980325, EPI_ISL_980326, EPI_ISL_980327, EPI_ISL_980328, EPI_ISL_980329, EPI_ISL_980330, EPI_ISL_980331, EPI_ISL_980332, EPI_ISL_980333, EPI_ISL_980334, EPI_ISL_980335, EPI_ISL_980336, EPI_ISL_980337, EPI_ISL_980338, EPI_ISL_980339, EPI_ISL_980340, EPI_ISL_980341, EPI_ISL_980342, EPI_ISL_980343, EPI_ISL_980344, EPI_ISL_980345, EPI_ISL_980346, EPI_ISL_980347, EPI_ISL_980348, EPI_ISL_980349, EPI_ISL_980350, EPI_ISL_980351, EPI_ISL_980352, EPI_ISL_980353, EPI_ISL_980354, EPI_ISL_980355, EPI_ISL_980357, EPI_ISL_980358, EPI_ISL_980359, EPI_ISL_980360, EPI_ISL_980361, EPI_ISL_980362, EPI_ISL_980363, EPI_ISL_980364, EPI_ISL_980365, EPI_ISL_980366, EPI_ISL_980367, EPI_ISL_980368, EPI_ISL_980369, EPI_ISL_980370, EPI_ISL_980371, EPI_ISL_980372, EPI_ISL_980373, EPI_ISL_980374, EPI_ISL_980375, EPI_ISL_980376, EPI_ISL_980377, EPI_ISL_980378, EPI_ISL_980379, EPI_ISL_980380, EPI_ISL_980381, EPI_ISL_980382, EPI_ISL_980383, EPI_ISL_980384, EPI_ISL_980385, EPI_ISL_980386, EPI_ISL_980387, EPI_ISL_980388, EPI_ISL_980389, EPI_ISL_980390, EPI_ISL_980391, EPI_ISL_980392, EPI_ISL_980393, EPI_ISL_980394, EPI_ISL_980395, EPI_ISL_980396, EPI_ISL_980397, EPI_ISL_980398, EPI_ISL_980399, EPI_ISL_980400, EPI_ISL_980401, EPI_ISL_980402, EPI_ISL_980403, EPI_ISL_980404, EPI_ISL_980405, EPI_ISL_980407, EPI_ISL_980408, EPI_ISL_980409, EPI_ISL_980410, EPI_ISL_980411, EPI_ISL_980412, EPI_ISL_980413, EPI_ISL_980414, EPI_ISL_980415, EPI_ISL_980417, EPI_ISL_980418, EPI_ISL_980420, EPI_ISL_980421, EPI_ISL_980422, EPI_ISL_980423, EPI_ISL_980424, EPI_ISL_980425, EPI_ISL_980426, EPI_ISL_980427, EPI_ISL_980428, EPI_ISL_980429, EPI_ISL_980430, EPI_ISL_980431, EPI_ISL_980432, EPI_ISL_980434, EPI_ISL_980435, EPI_ISL_980436, EPI_ISL_980437, EPI_ISL_980438, EPI_ISL_980439, EPI_ISL_980440, EPI_ISL_980441, EPI_ISL_980442, EPI_ISL_980443, EPI_ISL_980444, EPI_ISL_980445, EPI_ISL_980446, EPI_ISL_980447, EPI_ISL_980448, EPI_ISL_980450, EPI_ISL_980451, EPI_ISL_980452, EPI_ISL_980453, EPI_ISL_980454, EPI_ISL_980455, EPI_ISL_980456, EPI_ISL_980457, EPI_ISL_980458, EPI_ISL_980460, EPI_ISL_980461, EPI_ISL_980462, EPI_ISL_980463, EPI_ISL_980464, EPI_ISL_980465, EPI_ISL_980466, EPI_ISL_980467, EPI_ISL_980468, EPI_ISL_980469, EPI_ISL_980470, EPI_ISL_980471, EPI_ISL_980472, EPI_ISL_980473, EPI_ISL_980474, EPI_ISL_980476, EPI_ISL_980477, EPI_ISL_980478, EPI_ISL_980479, EPI_ISL_980480, EPI_ISL_980481, EPI_ISL_980482, EPI_ISL_980483, EPI_ISL_980484, EPI_ISL_980485, EPI_ISL_980486, EPI_ISL_980487, EPI_ISL_980488, EPI_ISL_980489, EPI_ISL_980490, EPI_ISL_980491, EPI_ISL_980492, EPI_ISL_980493, EPI_ISL_980494, EPI_ISL_980495, EPI_ISL_980496, EPI_ISL_980497,				

EPI_ISL_980498, EPI_ISL_980499, EPI_ISL_980500, EPI_ISL_980501, EPI_ISL_980502, EPI_ISL_980503, EPI_ISL_980504, EPI_ISL_980505, EPI_ISL_980506, EPI_ISL_980507, EPI_ISL_980508, EPI_ISL_980509, EPI_ISL_980510, EPI_ISL_980511, EPI_ISL_980513, EPI_ISL_980514, EPI_ISL_980515, EPI_ISL_980516, EPI_ISL_980517, EPI_ISL_980518, EPI_ISL_980519, EPI_ISL_980520, EPI_ISL_980522, EPI_ISL_980523, EPI_ISL_980524, EPI_ISL_980525, EPI_ISL_980526, EPI_ISL_980527, EPI_ISL_980528, EPI_ISL_980529, EPI_ISL_980530, EPI_ISL_980531, EPI_ISL_980532, EPI_ISL_980533, EPI_ISL_980534, EPI_ISL_980535, EPI_ISL_980536, EPI_ISL_980537, EPI_ISL_980538, EPI_ISL_980539, EPI_ISL_980540, EPI_ISL_980541, EPI_ISL_980542, EPI_ISL_980543, EPI_ISL_980544, EPI_ISL_980545, EPI_ISL_980546, EPI_ISL_980547, EPI_ISL_980548, EPI_ISL_980549, EPI_ISL_980550			
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
EPI_ISL_981008, EPI_ISL_981010	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_981116, EPI_ISL_981117, EPI_ISL_981120, EPI_ISL_981121	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_981372	Laboratory for Respiratory Viruses, "Cantacuzino" National Military-Medical Institute for Researarch and Development	Cantacuzino Institute Virology	Luiza Ustea, Nicoleta Paraschiv, Catalina Pascu, Mihaela Lazar
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EPI_ISL_981611, EPI_ISL_981612, EPI_ISL_981613, EPI_ISL_981614, EPI_ISL_981615, EPI_ISL_981616, EPI_ISL_981617, EPI_ISL_981618, EPI_ISL_981619, EPI_ISL_981620, EPI_ISL_981621, EPI_ISL_981622, EPI_ISL_981623, EPI_ISL_981624, EPI_ISL_981625, EPI_ISL_981626, EPI_ISL_981627, EPI_ISL_981628, EPI_ISL_981629, EPI_ISL_981630, EPI_ISL_981631, EPI_ISL_981632, EPI_ISL_981633, EPI_ISL_981634, EPI_ISL_981635, EPI_ISL_981636, EPI_ISL_981637, EPI_ISL_981638, EPI_ISL_981639, EPI_ISL_981640, EPI_ISL_981641, EPI_ISL_981644, EPI_ISL_981645, EPI_ISL_981646, EPI_ISL_981647, EPI_ISL_981648, EPI_ISL_981649, EPI_ISL_981690, EPI_ISL_981691, EPI_ISL_981692, EPI_ISL_981693, EPI_ISL_981694, EPI_ISL_981695, EPI_ISL_981705			
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 Dermitzakis
EPI_ISL_983329	Istituto Zooprofilattico Sperimentale Lazio e Toscana "M. Aleandri"	INMI Lazzaro Spallanzani IRCCS	CEM Gruber, B Bartolini, E Giombini, M Rueca, O Butera, F Messina, MT Scicluna, G Manna, A Cersini, A Di Caro, MR Capobianchi
EPI_ISL_984288	Algemeen Medisch Laboratorium	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheusens, Herman Goossens
EPI_ISL_984303, EPI_ISL_984304	Thai Red Cross Emerging Infectious Diseases Health Science Centre, Chulalongkorn Hospital, Faculty of Medicine, Chulalongkorn University	Thai Red Cross Emerging Infectious Diseases Center and Faculty of Medicine, Chulalongkorn University	Rome Buathong, Sopon Iamsirithaworn, Wichai Thanasopon, Opass Putcharoen, Sininat Petcharat, Yutthana Joyjinda, Weenassarin Ampoot, Apaporn Rodpan, Thiravat Hemachudha, Supaporn Wacharapuesadee
EPI_ISL_984996	U.O. Igiene, Ospedale Policlinico San Martino	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Orsi Andrea, Ricucci Valentina, Icardi Giancarlo
EPI_ISL_984997, EPI_ISL_984998, EPI_ISL_984999	S.C. Laboratorio Analisi, ASL 3 Liguria	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Orsi Andrea, Ricucci Valentina, Spitaleri Antonino, Icardi Giancarlo
EPI_ISL_985000	U.O. Igiene, Ospedale Policlinico San Martino	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Orsi Andrea, Ricucci Valentina, Spitaleri Antonino, Icardi Giancarlo
EPI_ISL_985001, EPI_ISL_985002, EPI_ISL_985003, EPI_ISL_985004, EPI_ISL_985005, EPI_ISL_985006, EPI_ISL_985007, EPI_ISL_985008, EPI_ISL_985009, EPI_ISL_985010, EPI_ISL_985011, EPI_ISL_985012, EPI_ISL_985013, EPI_ISL_985014, EPI_ISL_985015, EPI_ISL_985016	see above	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Orsi Andrea, Ricucci Valentina, Spitaleri Antonino, Icardi Giancarlo
EPI_ISL_985017	S.C. Patologia Clinica, Ospedale Sant'Andrea, ASL 5	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Battolla Enrico, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Orsi Andrea, Ricucci Valentina, Icardi Giancarlo
EPI_ISL_985018, EPI_ISL_985019, EPI_ISL_985020, EPI_ISL_985021, EPI_ISL_985022, EPI_ISL_985023, EPI_ISL_985024	S.S.D. Microbiologia, Stabilimento ospedaliero di Sanremo, ASL 1 Liguria	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Dusi Pier Andrea, Orsi Andrea, Ricucci Valentina, Icardi Giancarlo
EPI_ISL_985025, EPI_ISL_985026	S.S.D. Microbiologia, Ospedale Santa Corona di Pietra Ligure, ASL 2 Liguria	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Orsi Andrea, Ricucci Valentina, Valle Caterina, Icardi Giancarlo
EPI_ISL_985027, EPI_ISL_985028, EPI_ISL_985029, EPI_ISL_985030, EPI_ISL_985031	Laboratorio di Patologia Clinica, Ospedale San Paolo in Valloria, ASL 2 Liguria	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Lillo Flavia, Orsi Andrea, Ricucci Valentina, Icardi Giancarlo
EPI_ISL_985032	U.O. Igiene, Ospedale Policlinico San Martino	U.O. Igiene, Ospedale Policlinico San Martino	Bruzzone Bianca, Caligiuri Patrizia, De Pace Vanessa, Domnich Alexander, Orsi Andrea, Ricucci Valentina, Icardi Giancarlo
EPI_ISL_985366, EPI_ISL_985368, EPI_ISL_985369, EPI_ISL_985370, EPI_ISL_985371, EPI_ISL_985372, EPI_ISL_985373, EPI_ISL_985374, EPI_ISL_985375, EPI_ISL_985376, EPI_ISL_985377, EPI_ISL_985378, EPI_ISL_985379, EPI_ISL_985380, EPI_ISL_985381, EPI_ISL_985385	see above	Klinisk mikrobiologi, Region Västerbotten	Andreas Sjödin, Linda Karlsson, Erelie Näslund Salomonsson, Jonas Näslund, Stina Bäckman, Malin Granberg, Ingrid Dacklin, Anna-Lena Johansson, Kerstin Myrtenäs, David Sundell, Carolin Öhrman, Mats Forsman, Annika Allard, Annika Osterman
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EPI_ISL_985457, EPI_ISL_985458, EPI_ISL_985459, EPI_ISL_985460, EPI_ISL_985462, EPI_ISL_985463, EPI_ISL_985464, EPI_ISL_985465, EPI_ISL_985466, EPI_ISL_985467, EPI_ISL_985468, EPI_ISL_985469, EPI_ISL_985470, EPI_ISL_985471, EPI_ISL_985472, EPI_ISL_985473, EPI_ISL_985474, EPI_ISL_985475, EPI_ISL_985476, EPI_ISL_985477, EPI_ISL_985478, EPI_ISL_985479, EPI_ISL_985480, EPI_ISL_985481, EPI_ISL_985482, EPI_ISL_985483, EPI_ISL_985484, EPI_ISL_985485, EPI_ISL_985486, EPI_ISL_985487, EPI_ISL_985488, EPI_ISL_985489, EPI_ISL_985490, EPI_ISL_985491, EPI_ISL_985492, EPI_ISL_985493, EPI_ISL_985494, EPI_ISL_985496, EPI_ISL_985497, EPI_ISL_985498, EPI_ISL_985499, EPI_ISL_985500, EPI_ISL_985501, EPI_ISL_985502, EPI_ISL_985503, EPI_ISL_985504, EPI_ISL_985505, EPI_ISL_985506, EPI_ISL_985507, EPI_ISL_985508, EPI_ISL_985509, EPI_ISL_985510, EPI_ISL_985511, EPI_ISL_985512, EPI_ISL_985513, EPI_ISL_985514, EPI_ISL_985515, EPI_ISL_985516, EPI_ISL_985517, EPI_ISL_985518, EPI_ISL_985519, EPI_ISL_985520, EPI_ISL_985521, EPI_ISL_985522, EPI_ISL_985523, EPI_ISL_985524, EPI_ISL_985525, EPI_ISL_985526, EPI_ISL_985527, EPI_ISL_985528, EPI_ISL_985529, EPI_ISL_985530, EPI_ISL_985531, EPI_ISL_985532, EPI_ISL_985533, EPI_ISL_985534, EPI_ISL_985535, EPI_ISL_985536, EPI_ISL_985537, EPI_ISL_985538, EPI_ISL_985539, EPI_ISL_985540, EPI_ISL_985541, EPI_ISL_985542, EPI_ISL_985543, EPI_ISL_985544, EPI_ISL_985545, EPI_ISL_985547, EPI_ISL_985548, EPI_ISL_985549, EPI_ISL_985550, EPI_ISL_985551, EPI_ISL_985552, EPI_ISL_985553, EPI_ISL_985554, EPI_ISL_985555, EPI_ISL_985556, EPI_ISL_985557, EPI_ISL_985558, EPI_ISL_985559, EPI_ISL_985560, EPI_ISL_985561, EPI_ISL_985562, EPI_ISL_985563, EPI_ISL_985564, EPI_ISL_985565, EPI_ISL_985566, EPI_ISL_985567, EPI_ISL_985568, EPI_ISL_985569, EPI_ISL_985570, EPI_ISL_985571, EPI_ISL_985572, EPI_ISL_985573, EPI_ISL_985574, EPI_ISL_985575, EPI_ISL_985576, EPI_ISL_985577, EPI_ISL_985578, EPI_ISL_985579, EPI_ISL_985580, EPI_ISL_985581, EPI_ISL_985582, EPI_ISL_985583, EPI_ISL_985584, EPI_ISL_985585, EPI_ISL_985586, EPI_ISL_985587, EPI_ISL_985588, EPI_ISL_985589, EPI_ISL_985590, EPI_ISL_985591, EPI_ISL_985592, EPI_ISL_985593, EPI_ISL_985594, EPI_ISL_985595, EPI_ISL_985596, EPI_ISL_985597, EPI_ISL_985598, EPI_ISL_985599, EPI_ISL_985600, EPI_ISL_985601, EPI_ISL_985602, EPI_ISL_985603, EPI_ISL_985604, EPI_ISL_985605, EPI_ISL_985606, EPI_ISL_985607, EPI_ISL_985608, EPI_ISL_985609, EPI_ISL_985610, EPI_ISL_985611	see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
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EPI_ISL_986451, EPI_ISL_986459, EPI_ISL_986487, EPI_ISL_986493, EPI_ISL_986502, EPI_ISL_986523, EPI_ISL_986536, EPI_ISL_986538, EPI_ISL_986545, EPI_ISL_986553, EPI_ISL_986558, EPI_ISL_986705, EPI_ISL_986717	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 (http://www.sanger.ac.uk/covid-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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_987163, EPI_ISL_987165, EPI_ISL_987170, EPI_ISL_987181, EPI_ISL_987186, EPI_ISL_987190, EPI_ISL_987191, EPI_ISL_987193, EPI_ISL_987195, EPI_ISL_987230, EPI_ISL_987237, EPI_ISL_987238, EPI_ISL_987265, EPI_ISL_987271, EPI_ISL_987276, EPI_ISL_988011, EPI_ISL_988012, EPI_ISL_988013, EPI_ISL_988014, EPI_ISL_988015, EPI_ISL_988016, EPI_ISL_988017, EPI_ISL_988018, EPI_ISL_988019, EPI_ISL_988020, EPI_ISL_988021, EPI_ISL_988022, EPI_ISL_988023, EPI_ISL_988024, EPI_ISL_988025, EPI_ISL_988026, EPI_ISL_988027, EPI_ISL_988028, EPI_ISL_988029, EPI_ISL_988030, EPI_ISL_988031, EPI_ISL_988032, EPI_ISL_988033, EPI_ISL_988034, EPI_ISL_988035, EPI_ISL_988036, EPI_ISL_988037, EPI_ISL_988038, EPI_ISL_988039, EPI_ISL_988040, EPI_ISL_988041, EPI_ISL_988042, EPI_ISL_988043, EPI_ISL_988044, EPI_ISL_988045, EPI_ISL_988046, EPI_ISL_988047, EPI_ISL_988048, EPI_ISL_988049, EPI_ISL_988050, EPI_ISL_988051, EPI_ISL_988052, EPI_ISL_988053, EPI_ISL_988054, EPI_ISL_988055, EPI_ISL_988056, EPI_ISL_988057, EPI_ISL_988058, EPI_ISL_988059, EPI_ISL_988060, EPI_ISL_988061, EPI_ISL_988062, EPI_ISL_988063, EPI_ISL_988064, EPI_ISL_988065, EPI_ISL_988067, EPI_ISL_988068, EPI_ISL_988069, EPI_ISL_988070, EPI_ISL_988071, EPI_ISL_988072, EPI_ISL_988073, EPI_ISL_988074, EPI_ISL_988075, EPI_ISL_988076, EPI_ISL_988077, EPI_ISL_988078, EPI_ISL_988079, EPI_ISL_988080, EPI_ISL_988081, EPI_ISL_988082, EPI_ISL_988083, EPI_ISL_988084, EPI_ISL_988085, EPI_ISL_988086, EPI_ISL_988087, EPI_ISL_988088, EPI_ISL_988089, EPI_ISL_988090, EPI_ISL_988091, EPI_ISL_988092, EPI_ISL_988093, EPI_ISL_988094, EPI_ISL_988095, EPI_ISL_988096, EPI_ISL_988097, EPI_ISL_988098, EPI_ISL_988099, EPI_ISL_988100, EPI_ISL_988101, EPI_ISL_988102, EPI_ISL_988103, EPI_ISL_988104, EPI_ISL_988105, EPI_ISL_988106, EPI_ISL_988107, EPI_ISL_988108, EPI_ISL_988109, EPI_ISL_988110, EPI_ISL_988111, EPI_ISL_988112, EPI_ISL_988113, EPI_ISL_988114, EPI_ISL_988115, EPI_ISL_988116, EPI_ISL_988117, EPI_ISL_988118, EPI_ISL_988119, EPI_ISL_988120, EPI_ISL_988121, EPI_ISL_988122, EPI_ISL_988123, EPI_ISL_988124, EPI_ISL_988125, EPI_ISL_988126, EPI_ISL_988127, EPI_ISL_988128, EPI_ISL_988129, EPI_ISL_988130, EPI_ISL_988131, EPI_ISL_988132, EPI_ISL_988133, EPI_ISL_988134, EPI_ISL_988135, EPI_ISL_988136, EPI_ISL_988137, EPI_ISL_988138, EPI_ISL_988139, EPI_ISL_988140, EPI_ISL_988141, EPI_ISL_988142, EPI_ISL_988143, EPI_ISL_988144, EPI_ISL_988145, EPI_ISL_988146, EPI_ISL_988147, EPI_ISL_988148, EPI_ISL_988149, EPI_ISL_988150, EPI_ISL_988151, EPI_ISL_988152, EPI_ISL_988153, EPI_ISL_988154, EPI_ISL_988155, EPI_ISL_988156, EPI_ISL_988157, EPI_ISL_988158, EPI_ISL_988159, EPI_ISL_988160, EPI_ISL_988161, EPI_ISL_988162, EPI_ISL_988163, EPI_ISL_988164, EPI_ISL_988165, EPI_ISL_988166, EPI_ISL_988167, EPI_ISL_988168, EPI_ISL_988169, EPI_ISL_988170, EPI_ISL_988171, EPI_ISL_988172, EPI_ISL_988173, EPI_ISL_988174, EPI_ISL_988175, EPI_ISL_988176, EPI_ISL_988177, EPI_ISL_988178, EPI_ISL_988179, EPI_ISL_988180, EPI_ISL_988181, EPI_ISL_988182, EPI_ISL_988183, EPI_ISL_988184, EPI_ISL_988185, EPI_ISL_988186, EPI_ISL_988187, EPI_ISL_988188, EPI_ISL_988189, EPI_ISL_988190, EPI_ISL_988191, EPI_ISL_988192, EPI_ISL_988193, EPI_ISL_988194, EPI_ISL_988195, EPI_ISL_988196, EPI_ISL_988197, EPI_ISL_988198, EPI_ISL_988199, EPI_ISL_988200, EPI_ISL_988201, EPI_ISL_988202, EPI_ISL_988203, EPI_ISL_988204	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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_988690, EPI_ISL_988692, EPI_ISL_988705, EPI_ISL_988709, EPI_ISL_988715, EPI_ISL_988720, EPI_ISL_988722, EPI_ISL_988734, EPI_ISL_988745, EPI_ISL_988748, EPI_ISL_988756, EPI_ISL_988761, EPI_ISL_988770, EPI_ISL_988775, EPI_ISL_988776, EPI_ISL_988784, EPI_ISL_988797, EPI_ISL_988804, EPI_ISL_988814, EPI_ISL_988833, EPI_ISL_988841, EPI_ISL_988845, EPI_ISL_988846, EPI_ISL_988847, EPI_ISL_988850, EPI_ISL_988865, EPI_ISL_988868, EPI_ISL_988870, EPI_ISL_988876, EPI_ISL_988877, EPI_ISL_988879, EPI_ISL_988889, EPI_ISL_988902, EPI_ISL_988907, EPI_ISL_988911	see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_988913, EPI_ISL_988921, EPI_ISL_988928, EPI_ISL_988929, EPI_ISL_988931, EPI_ISL_988943, EPI_ISL_988964, EPI_ISL_988965, EPI_ISL_988969, EPI_ISL_988974, EPI_ISL_988985, EPI_ISL_988986, EPI_ISL_988994, EPI_ISL_989001, EPI_ISL_989004, EPI_ISL_989005, EPI_ISL_989008, EPI_ISL_989026, EPI_ISL_989027	see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_989363, EPI_ISL_989364, EPI_ISL_989365, EPI_ISL_989366, EPI_ISL_989367, EPI_ISL_989368, EPI_ISL_989369, EPI_ISL_989370, EPI_ISL_989371, EPI_ISL_989372, EPI_ISL_989373, EPI_ISL_989375, EPI_ISL_989376, EPI_ISL_989377, EPI_ISL_989378, EPI_ISL_989379, EPI_ISL_989380, EPI_ISL_989381, EPI_ISL_989382, EPI_ISL_989383, EPI_ISL_989384, EPI_ISL_989385, EPI_ISL_989386, EPI_ISL_989387, EPI_ISL_989389, EPI_ISL_989390, EPI_ISL_989391, EPI_ISL_989392, EPI_ISL_989393, EPI_ISL_989394, EPI_ISL_989395, EPI_ISL_989396, EPI_ISL_989397, EPI_ISL_989398, EPI_ISL_989399, EPI_ISL_989400, EPI_ISL_989402	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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_989403		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 (http://www.sanger.ac.uk/covid-team)
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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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_994908, EPI_ISL_994910, EPI_ISL_994913, EPI_ISL_994914, EPI_ISL_994923, EPI_ISL_994926, EPI_ISL_994927, EPI_ISL_994950	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_995495, EPI_ISL_995499, EPI_ISL_995500, EPI_ISL_995513	Jessa	Jessa	Jessa_cmdLab
EPI_ISL_995628, EPI_ISL_995646, EPI_ISL_995647, EPI_ISL_995649	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_996413, EPI_ISL_996414, EPI_ISL_996439, EPI_ISL_996440, EPI_ISL_996475, EPI_ISL_996477	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_996745, EPI_ISL_996746, EPI_ISL_996747, EPI_ISL_996748, EPI_ISL_996750, EPI_ISL_996752, EPI_ISL_996755, EPI_ISL_996757, EPI_ISL_996760, EPI_ISL_996763, EPI_ISL_996764, EPI_ISL_996765, EPI_ISL_996766, EPI_ISL_996767, EPI_ISL_996768, EPI_ISL_996769, EPI_ISL_996770, EPI_ISL_996771, EPI_ISL_996772, EPI_ISL_996773, EPI_ISL_996774, EPI_ISL_996775, EPI_ISL_996776, EPI_ISL_996777, EPI_ISL_996779, EPI_ISL_996780, EPI_ISL_996781, EPI_ISL_996782, EPI_ISL_996783, EPI_ISL_996784, EPI_ISL_996785, EPI_ISL_996786, EPI_ISL_996789, EPI_ISL_996794, EPI_ISL_996796, EPI_ISL_996798, EPI_ISL_996800, EPI_ISL_996801, EPI_ISL_996805, EPI_ISL_996808, EPI_ISL_996809, EPI_ISL_996811, EPI_ISL_996812, EPI_ISL_996813, EPI_ISL_996815, EPI_ISL_996817, EPI_ISL_996819, EPI_ISL_996820, EPI_ISL_996822, EPI_ISL_996824, EPI_ISL_996825, EPI_ISL_996826, EPI_ISL_996828, EPI_ISL_996829, EPI_ISL_996830, EPI_ISL_996831, EPI_ISL_996832, EPI_ISL_996833, EPI_ISL_996835			
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_997065, EPI_ISL_997071	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_997373, EPI_ISL_997375	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, Joseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Looose
EPI_ISL_997505, EPI_ISL_997526, EPI_ISL_997527, EPI_ISL_997528, EPI_ISL_997530, EPI_ISL_997532, EPI_ISL_997533, EPI_ISL_997534, EPI_ISL_997537, EPI_ISL_997541, EPI_ISL_997542, EPI_ISL_997546, EPI_ISL_997547, EPI_ISL_997548, EPI_ISL_997549, EPI_ISL_997550, EPI_ISL_997561, EPI_ISL_997562, EPI_ISL_997568, EPI_ISL_997569, EPI_ISL_997570			
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_997694, EPI_ISL_997695, EPI_ISL_997696, EPI_ISL_997697, EPI_ISL_997698, EPI_ISL_997699, EPI_ISL_997700, EPI_ISL_997702, EPI_ISL_997703, EPI_ISL_997705, EPI_ISL_997717, EPI_ISL_997719, EPI_ISL_997721, EPI_ISL_997735, EPI_ISL_997736, EPI_ISL_997738, EPI_ISL_997739, EPI_ISL_997740, EPI_ISL_997741, EPI_ISL_997742, EPI_ISL_997743, EPI_ISL_997744, EPI_ISL_997745, EPI_ISL_997746, EPI_ISL_997747, EPI_ISL_997748, EPI_ISL_997749, EPI_ISL_997750, EPI_ISL_997811, EPI_ISL_997845, EPI_ISL_997847, EPI_ISL_997849, EPI_ISL_997854, EPI_ISL_997863, EPI_ISL_997865, EPI_ISL_997866, EPI_ISL_997867, EPI_ISL_997868, EPI_ISL_997869, EPI_ISL_997870, EPI_ISL_997871, EPI_ISL_997949, EPI_ISL_997950, EPI_ISL_997957, EPI_ISL_997958, EPI_ISL_997959, EPI_ISL_997960, EPI_ISL_997961, EPI_ISL_997962, EPI_ISL_997963, EPI_ISL_997964, EPI_ISL_997965, EPI_ISL_997966, EPI_ISL_997967, EPI_ISL_997968, EPI_ISL_997969, EPI_ISL_997970, EPI_ISL_997971, EPI_ISL_997972, EPI_ISL_997973, EPI_ISL_997974, EPI_ISL_997975, EPI_ISL_997976, EPI_ISL_997977, EPI_ISL_997978, EPI_ISL_997979, EPI_ISL_997981, EPI_ISL_997982, EPI_ISL_997983, EPI_ISL_997984, EPI_ISL_997985, EPI_ISL_997986, EPI_ISL_997987, EPI_ISL_997988, EPI_ISL_997991, EPI_ISL_997994			
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_998122	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_998521, EPI_ISL_998522, EPI_ISL_998523, EPI_ISL_998527, EPI_ISL_998528, EPI_ISL_998529, EPI_ISL_998530, EPI_ISL_998532, EPI_ISL_998533, EPI_ISL_998534, EPI_ISL_998535, EPI_ISL_998542, EPI_ISL_998543, EPI_ISL_998544, EPI_ISL_998556			
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_998793, EPI_ISL_998799, EPI_ISL_998803, EPI_ISL_998805, EPI_ISL_998807, EPI_ISL_998840, EPI_ISL_998855, EPI_ISL_998868, EPI_ISL_998877, EPI_ISL_998879, EPI_ISL_998883, EPI_ISL_998887			
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_998897, EPI_ISL_998899, EPI_ISL_998900, EPI_ISL_998901, EPI_ISL_998902, EPI_ISL_998903, EPI_ISL_998904, EPI_ISL_998905, EPI_ISL_998906, EPI_ISL_998907, EPI_ISL_998908, EPI_ISL_998909, EPI_ISL_998910			
see above	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Looose
EPI_ISL_999921, EPI_ISL_999923	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