

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

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

Authors are sorted alphabetically.

Accession ID	Originating Laboratory	Submitting Laboratory	Authors
EPI_ISL_1000001	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_1000038, EPI_ISL_1000047, EPI_ISL_1000048	Plateforme BIS Namur	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1000188, EPI_ISL_1000189, EPI_ISL_1000190, EPI_ISL_1000199, EPI_ISL_1000297, EPI_ISL_1000298, EPI_ISL_1000309, EPI_ISL_1000310, EPI_ISL_1000311, EPI_ISL_1000312, EPI_ISL_1000317, EPI_ISL_1000319, EPI_ISL_1000320, EPI_ISL_1000321, EPI_ISL_1000324, EPI_ISL_1000477, EPI_ISL_1000573, EPI_ISL_1000611, EPI_ISL_1000628, EPI_ISL_1000629, EPI_ISL_1000630			
see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysher, Scott Elliott, Samuel Robson
EPI_ISL_1000689	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 Anygal, 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_1000842, EPI_ISL_1000846, EPI_ISL_1000847, EPI_ISL_1000852, EPI_ISL_1000854, EPI_ISL_1000855, EPI_ISL_1000863, EPI_ISL_1000869, EPI_ISL_1000875, EPI_ISL_1000880, EPI_ISL_1000935			
see above	Bioinformatics and Biostatistics Lab, Advanced Sequencing Facility	COVID-19 Genomics UK (COG-UK) Consortium	Aengus Stewart, Jerome Nicod, Chelsea Sawyer, Laura Cubitt, Harshil Patel, Margaret Crawford
EPI_ISL_1001112, EPI_ISL_1001115, EPI_ISL_1001123, EPI_ISL_1001129, EPI_ISL_1001135, EPI_ISL_1001136, EPI_ISL_1001138, EPI_ISL_1001152, EPI_ISL_1001163, EPI_ISL_1001181, EPI_ISL_1001182, EPI_ISL_1001188, EPI_ISL_1001189, EPI_ISL_1001190, EPI_ISL_1001221, EPI_ISL_1001226, EPI_ISL_1001229, EPI_ISL_1001232, EPI_ISL_1001233			
see above	National Virus Reference Laboratory	National Virus Reference Laboratory	Michael Carr, Gabriel Gonzalez, Zoe Yandle, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1001301	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, Lagathu Gisèle
EPI_ISL_1001354	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, Griscelli Franck
EPI_ISL_1001355	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, Marque Juliet Stéphanie
EPI_ISL_1006547, EPI_ISL_1006551, EPI_ISL_1006553, EPI_ISL_1006556, EPI_ISL_1006559, EPI_ISL_1006565, EPI_ISL_1006566, EPI_ISL_1006574, EPI_ISL_1006575, EPI_ISL_1006576, EPI_ISL_1006577, EPI_ISL_1006578, EPI_ISL_1006579, EPI_ISL_1006580, EPI_ISL_1006582, EPI_ISL_1006591, EPI_ISL_1006594, EPI_ISL_1006601, EPI_ISL_1006602, EPI_ISL_1006606, EPI_ISL_1006609, EPI_ISL_1006613, EPI_ISL_1006614, EPI_ISL_1006620, EPI_ISL_1006622, EPI_ISL_1006626, EPI_ISL_1006630, EPI_ISL_1006632, EPI_ISL_1006634, EPI_ISL_1006636, EPI_ISL_1006637, EPI_ISL_1006639, EPI_ISL_1006642, EPI_ISL_1006645, EPI_ISL_1006646, EPI_ISL_1006650, EPI_ISL_1006656, EPI_ISL_1006658, EPI_ISL_1006659, EPI_ISL_1006660, EPI_ISL_1006661, EPI_ISL_1006662, EPI_ISL_1006663, EPI_ISL_1006664, EPI_ISL_1006665, EPI_ISL_1006666, EPI_ISL_1006667, EPI_ISL_1006668, EPI_ISL_1006669, EPI_ISL_1006670, EPI_ISL_1006671, EPI_ISL_1006672, EPI_ISL_1006673, EPI_ISL_1006674, EPI_ISL_1006675, EPI_ISL_1006676, EPI_ISL_1006677, EPI_ISL_1006678, 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EPI_ISL_1007527			
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_1007584	National Virus Reference Laboratory	National Virus Reference Laboratory	Michael Carr, Gabriel Gonzalez, Zoe Yandle, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1007654	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_1007974, EPI_ISL_1007975	genXone SA, Molecular Diagnostics Laboratory / NZOZ	genXone SA, Research & Development Laboratory	Maciej Sykulski, Grzegorz Nowicki, Jakub Grabowski, Natalia Drwska-Matelska, Anna Brylak-Baszków, Aleksandra Gidlewicz, Karol Szeszko, ukasz Krych, Micha Kaszuba
EPI_ISL_1008315, EPI_ISL_1008322	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_1008344, EPI_ISL_1008355, EPI_ISL_1008356	Department of Laboratory Medicine, Division of Clinical Virology, University of Medicine, 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_1008563	Klinisk Mikrobiologi	The Public Health Agency of Sweden	Anna-Malin Linde, Maria Lind Karlberg, Carlo Berg, Oskar Karlsson Lindsjö, Sofia Stamouli, Reza Advani, Mattias Haukland, Petra Holmstrom, Noura

EPI_ISL_1008672, EPI_ISL_1008674	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Walai, Petra Edquist, Mia Brytting, Anna Risberg, Karin Tegmark-Wisell
EPI_ISL_1008687	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_1008690, EPI_ISL_1008692, EPI_ISL_1008694, EPI_ISL_1008702	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_1009733	Massachusetts State Public Health Laboratory	Massachusetts State Public Health Laboratory	Andrew Lang, Timelia Fink, Glen Gallagher, Sandra Smole
EPI_ISL_1012669, EPI_ISL_1012670, EPI_ISL_1012671	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_1012696, EPI_ISL_1012702, EPI_ISL_1012704, EPI_ISL_1012711	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_1012933, EPI_ISL_1012934, EPI_ISL_1012943, EPI_ISL_1012944, EPI_ISL_1012963, EPI_ISL_1012964, EPI_ISL_1012971, EPI_ISL_1012973, EPI_ISL_1012975, EPI_ISL_1012982, EPI_ISL_1012990, EPI_ISL_1013000			
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 Clotet Elisa Martró, Verónica Saludes, Anna Not, Ana Pérez, Montserrat Giménez, Ignacio Blanco, Cristina Esteban, Cristina Casañ, Antoni E. Bordoy, Adrián Antuori
EPI_ISL_1013211, EPI_ISL_1013212, EPI_ISL_1013213	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, Fourgeaud Jacques
EPI_ISL_1013217	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_1013235	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, Fourgeaud Jacques
EPI_ISL_1013468	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1013472, EPI_ISL_1013473	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_1013494	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_1013501	Oslo University Hospital, Department of Medical Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate Atiya R Ali, Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1013678, EPI_ISL_1013679, EPI_ISL_1013684, EPI_ISL_1013685, EPI_ISL_1013696, EPI_ISL_1013713, EPI_ISL_1013714, EPI_ISL_1013715, EPI_ISL_1013726, EPI_ISL_1013736, EPI_ISL_1014270, EPI_ISL_1014271, EPI_ISL_1014278			
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_1014806, EPI_ISL_1014807	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano
EPI_ISL_1015565	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1016013	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_1016169	TEMPUS LABS INC	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1016175, EPI_ISL_1016198	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_1016253	TEMPUS LABS INC	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1016864	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_1020145	Hospital de Cabueñas	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_1020154	Laboratorio de Virología HUCA	Laboratorio de Virología HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_1020362	MEPHI, Aix Marseille University	MEPHI, Aix Marseille University	Anthony LEVASSEUR
EPI_ISL_1020559, EPI_ISL_1020564, EPI_ISL_1020565, EPI_ISL_1020566, EPI_ISL_1020567, EPI_ISL_1020568	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	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_1023619, EPI_ISL_1023620, EPI_ISL_1023622, EPI_ISL_1023624, EPI_ISL_1023628, EPI_ISL_1023629, EPI_ISL_1023632, EPI_ISL_1023633, EPI_ISL_1023634, EPI_ISL_1023635, EPI_ISL_1023639, EPI_ISL_1023640, EPI_ISL_1023641, EPI_ISL_1023643, EPI_ISL_1023646, EPI_ISL_1023647, EPI_ISL_1023648, EPI_ISL_1023649, EPI_ISL_1023653, EPI_ISL_1023654, EPI_ISL_1023660, EPI_ISL_1023664, EPI_ISL_1023667, EPI_ISL_1023670, EPI_ISL_1023678, EPI_ISL_1023684, EPI_ISL_1023694, EPI_ISL_1023702, EPI_ISL_1023705, EPI_ISL_1023709, EPI_ISL_1023728, EPI_ISL_1023730, EPI_ISL_1023731, EPI_ISL_1023732, EPI_ISL_1023735, EPI_ISL_1023736, EPI_ISL_1023738, EPI_ISL_1023744, EPI_ISL_1023747, EPI_ISL_1023748, EPI_ISL_1023751, EPI_ISL_1023753, EPI_ISL_1023756, EPI_ISL_1023758, EPI_ISL_1023760, EPI_ISL_1023762, EPI_ISL_1023771, EPI_ISL_1023774, EPI_ISL_1023775, EPI_ISL_1023776, EPI_ISL_1023777, EPI_ISL_1023779, EPI_ISL_1023782, EPI_ISL_1023785, EPI_ISL_1023789, EPI_ISL_1023793, EPI_ISL_1023799, EPI_ISL_1023802, EPI_ISL_1023806, EPI_ISL_1023808, EPI_ISL_1023814, EPI_ISL_1023817, EPI_ISL_1023819, EPI_ISL_1023821, EPI_ISL_1023823, EPI_ISL_1023828, EPI_ISL_1023830, EPI_ISL_1023836, EPI_ISL_1023840, EPI_ISL_1023844, EPI_ISL_1023851, EPI_ISL_1023852, EPI_ISL_1023857, EPI_ISL_1023858, EPI_ISL_1023863, EPI_ISL_1023867, EPI_ISL_1023868, EPI_ISL_1023869, EPI_ISL_1023870, EPI_ISL_1023872, EPI_ISL_1023874, EPI_ISL_1023875, EPI_ISL_1023881, EPI_ISL_1023888, EPI_ISL_1023889, EPI_ISL_1023890, EPI_ISL_1023891, EPI_ISL_1023893, EPI_ISL_1023897, EPI_ISL_1023899, EPI_ISL_1023903, EPI_ISL_1023911, EPI_ISL_1023914, EPI_ISL_1023915, EPI_ISL_1023919, EPI_ISL_1023921, EPI_ISL_1023922, EPI_ISL_1023925, EPI_ISL_1023926, EPI_ISL_1023928, EPI_ISL_1023930, EPI_ISL_1023933, EPI_ISL_1023935, EPI_ISL_1023938, EPI_ISL_1023939, EPI_ISL_1023940, EPI_ISL_1023942, EPI_ISL_1023944, EPI_ISL_1023953, EPI_ISL_1023956, EPI_ISL_1023957, EPI_ISL_1023958, EPI_ISL_1023960, EPI_ISL_1023963, EPI_ISL_1023965, EPI_ISL_1023966, EPI_ISL_1023972, EPI_ISL_1023973, EPI_ISL_1023976, EPI_ISL_1023978, EPI_ISL_1023979, EPI_ISL_1023981, EPI_ISL_1023988, EPI_ISL_1023990, EPI_ISL_1023991, EPI_ISL_1023992, EPI_ISL_1023993, EPI_ISL_1023998, EPI_ISL_1024000, EPI_ISL_1024002, EPI_ISL_1024003, EPI_ISL_1024005, EPI_ISL_1024007, EPI_ISL_1024008, EPI_ISL_1024011, EPI_ISL_1024013, EPI_ISL_1024018, EPI_ISL_1024022, EPI_ISL_1024024, EPI_ISL_1024027, EPI_ISL_1024028, EPI_ISL_1024029, EPI_ISL_1024032, EPI_ISL_1024033, EPI_ISL_1024035, EPI_ISL_1024037, EPI_ISL_1024039, EPI_ISL_1024045, EPI_ISL_1024047, EPI_ISL_1024051, EPI_ISL_1024052, EPI_ISL_1024057, EPI_ISL_1024058, EPI_ISL_1024059, EPI_ISL_1024064, EPI_ISL_1024079, EPI_ISL_1024080, EPI_ISL_1024081, EPI_ISL_1024083, EPI_ISL_1024086, EPI_ISL_1024090, EPI_ISL_1024094, EPI_ISL_1024095, EPI_ISL_1024099, EPI_ISL_1024100, EPI_ISL_1024107, EPI_ISL_1024108, EPI_ISL_1024110, EPI_ISL_1024112, EPI_ISL_1024113, EPI_ISL_1024118, EPI_ISL_1024123, EPI_ISL_1024128, EPI_ISL_1024129, EPI_ISL_1024132, EPI_ISL_1024133, EPI_ISL_1024136, EPI_ISL_1024140, EPI_ISL_1024142, EPI_ISL_1024143, EPI_ISL_1024144, EPI_ISL_1024150, EPI_ISL_1024154, EPI_ISL_1024156, EPI_ISL_1024163, EPI_ISL_1024164, EPI_ISL_1024166, EPI_ISL_1024169, EPI_ISL_1024170, EPI_ISL_1024172, EPI_ISL_1024178, EPI_ISL_1024180, EPI_ISL_1024182, EPI_ISL_1024183, EPI_ISL_1024186, EPI_ISL_1024191, EPI_ISL_1024192, EPI_ISL_1024194, EPI_ISL_1024195, EPI_ISL_1024197, EPI_ISL_1024198, EPI_ISL_1024204, EPI_ISL_1024205, EPI_ISL_1024207, EPI_ISL_1024217, EPI_ISL_1024218, EPI_ISL_1024224, EPI_ISL_1024226, EPI_ISL_1024228, EPI_ISL_1024229, EPI_ISL_1024230, EPI_ISL_1024234, EPI_ISL_1024235, EPI_ISL_1024236, EPI_ISL_1024243, EPI_ISL_1024245, EPI_ISL_1024246, EPI_ISL_1024249, EPI_ISL_1024251, EPI_ISL_1024257, EPI_ISL_1024259, EPI_ISL_1024260, EPI_ISL_1024266, EPI_ISL_1024270, EPI_ISL_1024273, EPI_ISL_1024277, EPI_ISL_1024280, EPI_ISL_1024287, EPI_ISL_1024290, EPI_ISL_1024292, EPI_ISL_1024293, EPI_ISL_1024296, EPI_ISL_1024299, EPI_ISL_1024301, EPI_ISL_1024303, EPI_ISL_1024318, EPI_ISL_1024319, EPI_ISL_1024324, EPI_ISL_1024327, EPI_ISL_1024330, EPI_ISL_1024332, EPI_ISL_1024339, EPI_ISL_1024340, EPI_ISL_1024343, EPI_ISL_1024345, EPI_ISL_1024347, EPI_ISL_1024353, EPI_ISL_1024354, EPI_ISL_1024355, EPI_ISL_1024356, EPI_ISL_1024360, EPI_ISL_1024366, EPI_ISL_1024367, EPI_ISL_1024371, EPI_ISL_1024372, EPI_ISL_1024379, EPI_ISL_1024383, EPI_ISL_1024396, EPI_ISL_1024399, EPI_ISL_1024402, EPI_ISL_1024410, EPI_ISL_1024413, EPI_ISL_1024416, EPI_ISL_1024418, EPI_ISL_1024419, EPI_ISL_1024420, EPI_ISL_1024426, EPI_ISL_1024431,			

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see above	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Aalborg University	Danish Covid-19 Genome Consortium
EPI_ISL_1033703, EPI_ISL_1034019	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_1034740, EPI_ISL_1034741, EPI_ISL_1034742, EPI_ISL_1034743, EPI_ISL_1034744, EPI_ISL_1034745, EPI_ISL_1034746, EPI_ISL_1034747	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, Anacletio Federico
EPI_ISL_1034925, EPI_ISL_1034926, EPI_ISL_1034935, EPI_ISL_1034952, EPI_ISL_1034956, EPI_ISL_1034958, EPI_ISL_1034959, EPI_ISL_1034966, EPI_ISL_1034967, EPI_ISL_1034985, EPI_ISL_1034986, EPI_ISL_1035016, EPI_ISL_1035017, EPI_ISL_1035018, EPI_ISL_1035019, EPI_ISL_1035022, EPI_ISL_1035023, EPI_ISL_1035030, EPI_ISL_1035034, EPI_ISL_1035043, EPI_ISL_1035054, EPI_ISL_1035056, EPI_ISL_1035076, EPI_ISL_1035100, EPI_ISL_1035106, EPI_ISL_1035126, EPI_ISL_1035127, EPI_ISL_1035128, EPI_ISL_1035129, EPI_ISL_1035130, EPI_ISL_1035135, EPI_ISL_1035160, EPI_ISL_1035175, EPI_ISL_1035176, EPI_ISL_1035177, EPI_ISL_1035185, EPI_ISL_1035188, EPI_ISL_1035191, EPI_ISL_1035192	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_1035919, EPI_ISL_1035920, EPI_ISL_1035921, EPI_ISL_1035922	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_1036602	Synlab	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1036727	Algemeen Medisch Laboratorium	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_1039711	LHUB-ULB	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_1039738	Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Noah Hull, Taylor Fearing, Lynette Gumbleton, Channing Weber, Ashley Norberg, Bailey Bowcutt, and Wanda Manley
EPI_ISL_1039832	LHUB-ULB	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_1040447	Department of Clinical Microbiology	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1040459, EPI_ISL_1040460	Vivalia - Clinique Saint-Joseph	GIGA Medical Genomics	Keith Durkin, Maria Artesi, Sébastien Bontems, Raphaël Boreux, Bouchra Boujemla, Nathalie Renotte, Cécile Meex, Pierrette Melin, Marie-Pierre Hayette, Vincent Bours
EPI_ISL_1040493, EPI_ISL_1040494	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_1042002, EPI_ISL_1042005, EPI_ISL_1042007, EPI_ISL_1042052, EPI_ISL_1042058, EPI_ISL_1042061, EPI_ISL_1042088, EPI_ISL_1042106, EPI_ISL_1042142, EPI_ISL_1042147, EPI_ISL_1042161, EPI_ISL_1042167, EPI_ISL_1042169, EPI_ISL_1042173, EPI_ISL_1042239, EPI_ISL_1042251, EPI_ISL_1042255, EPI_ISL_1042265, EPI_ISL_1042292, EPI_ISL_1042296, EPI_ISL_1042305, EPI_ISL_1042324, EPI_ISL_1042338, EPI_ISL_1042339, EPI_ISL_1042347, EPI_ISL_1042647, EPI_ISL_1043291, EPI_ISL_1043310, EPI_ISL_1043342, EPI_ISL_1043370, EPI_ISL_1043383, EPI_ISL_1043436, EPI_ISL_1043450, EPI_ISL_1043484, EPI_ISL_1043552, EPI_ISL_1045243, EPI_ISL_1045251, EPI_ISL_1045280, EPI_ISL_1045289, EPI_ISL_1045353, EPI_ISL_1045367, EPI_ISL_1045381, EPI_ISL_1045382, EPI_ISL_1045397, EPI_ISL_1045451, EPI_ISL_1045452, EPI_ISL_1045459, EPI_ISL_1045462, EPI_ISL_1045471, EPI_ISL_1045710, EPI_ISL_1045749, EPI_ISL_1045758, EPI_ISL_1045759, EPI_ISL_1045793, EPI_ISL_1045798, EPI_ISL_1045828, EPI_ISL_1045830, EPI_ISL_1045847, EPI_ISL_1045849, EPI_ISL_1045851, EPI_ISL_1045852, EPI_ISL_1045875, EPI_ISL_1046166, EPI_ISL_1046557, EPI_ISL_1046658, EPI_ISL_1046666, EPI_ISL_1046676, EPI_ISL_1046682, EPI_ISL_1046698, EPI_ISL_1046707, EPI_ISL_1046728, EPI_ISL_1046736, EPI_ISL_1046758	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_1046798, EPI_ISL_1046799, EPI_ISL_1046809, EPI_ISL_1046815, EPI_ISL_1046822, EPI_ISL_1046844, EPI_ISL_1046856	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 Clotet Elisa Martró, Verónica Saludes, Anna Not, Ana Pérez, Montserrat Giménez, Ignacio Blanco, Cristina Esteban, Cristina Casañ, Antoni E. Bordoy, Adrián Antuori
EPI_ISL_1047012, EPI_ISL_1047026, EPI_ISL_1047035, EPI_ISL_1047043	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_1047076, EPI_ISL_1047080, EPI_ISL_1047082, EPI_ISL_1047084, EPI_ISL_1047086, EPI_ISL_1047088, EPI_ISL_1047090	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_1047594, EPI_ISL_1047596, EPI_ISL_1047712, EPI_ISL_1047713, EPI_ISL_1047714, EPI_ISL_1047715, EPI_ISL_1047716, EPI_ISL_1047717, EPI_ISL_1047718, EPI_ISL_1047722, EPI_ISL_1047723, EPI_ISL_1047724, EPI_ISL_1047725, EPI_ISL_1047726, EPI_ISL_1047727, EPI_ISL_1047728, EPI_ISL_1047729, EPI_ISL_1047730, EPI_ISL_1047731, EPI_ISL_1047732, EPI_ISL_1047733, EPI_ISL_1047734, EPI_ISL_1047735, EPI_ISL_1047736, EPI_ISL_1047737, EPI_ISL_1047738, EPI_ISL_1047739, EPI_ISL_1047740, EPI_ISL_1047741, EPI_ISL_1047742, EPI_ISL_1047744, EPI_ISL_1047745, EPI_ISL_1047746, EPI_ISL_1047747, EPI_ISL_1047748, EPI_ISL_1047749, EPI_ISL_1047750, EPI_ISL_1047751, EPI_ISL_1047752, EPI_ISL_1047753, EPI_ISL_1047760, EPI_ISL_1047761, EPI_ISL_1047762, EPI_ISL_1047764, EPI_ISL_1047765, EPI_ISL_1047766, EPI_ISL_1047767, EPI_ISL_1047768, EPI_ISL_1047769, EPI_ISL_1047770, EPI_ISL_1047771, EPI_ISL_1047773, EPI_ISL_1047774, EPI_ISL_1047775, EPI_ISL_1047776, EPI_ISL_1047777, EPI_ISL_1047778, EPI_ISL_1047779, EPI_ISL_1047780, EPI_ISL_1047785, EPI_ISL_1047786, EPI_ISL_1047787, EPI_ISL_1047788, EPI_ISL_1047789, EPI_ISL_1047790, EPI_ISL_1047791, EPI_ISL_1047792, EPI_ISL_1047793, EPI_ISL_1047794, EPI_ISL_1047795, EPI_ISL_1047796	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_1047834	West of Scotland Specialist Virology Centre, NHSGGC / MRC-University of Glasgow Centre for Virus Research	COVID-19 Genomics UK (COG-UK) Consortium	Ana da Silva Filipe, Natasha Johnson, Kathy Smollett, Daniel Mair, Stephen Carmichael, Alice Brooks, Lily Tong, Jenna Nichols, Kyriaki Nomikou; Sarah McDonald; Richard Orton, Joseph Hughes, Sreenu Vattipally, David L Robertson; Alasdair MacLean, Rory Gunson; Sharif Shaaban, Matthew Holden; Rachel Blacow, Guy Mollett, Kathy Li, James Shepherd, Antonia Ho, Emma Thomson
EPI_ISL_1047868, EPI_ISL_1047869, EPI_ISL_1047870, EPI_ISL_1047871, EPI_ISL_1047872	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_1047960, EPI_ISL_1047961, EPI_ISL_1047962, EPI_ISL_1047963, EPI_ISL_1047965, EPI_ISL_1047966, EPI_ISL_1047967, EPI_ISL_1047971, EPI_ISL_1047973, EPI_ISL_1048028, EPI_ISL_1048031, EPI_ISL_1048032, EPI_ISL_1048033, EPI_ISL_1048034	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_1048074, EPI_ISL_1048092, EPI_ISL_1048093, EPI_ISL_1048098, EPI_ISL_1048101	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_1048415, EPI_ISL_1048418, EPI_ISL_1048419	Wojewódzka Stacja Sanitarno-Epidemiologiczna w Olsztynie, Laboratorium Bada Epidemiologiczno-Klinicznych	Wojewódzka Stacja Sanitarno-Epidemiologiczna w Olsztynie, Laboratorium Bada Epidemiologiczno-Klinicznych	Sylvia Krztowska, Monika Czymerska, Barbara Doliska, Ewa Liszewska, Tomasz Jakubczak, Marta ukian, Patryk Bielecki, Aleksandra Kobiatko, Emilia Tarabasz, Paulina Róycka, Beata Wasiek
EPI_ISL_1048798, EPI_ISL_1048799, EPI_ISL_1048800, EPI_ISL_1048802	U.O. Genomics, S.S. Genetics and Advanced Omics Techniques, Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d'Aosta	U.O. Genomics, S.S. Genetics and Advanced Omics Techniques, Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d'Aosta	Chiara Beltramo, Elena Bozzetta, Pier Luigi Acutis, Simone Peletto
EPI_ISL_1049205, EPI_ISL_1049209	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_1049695	Altius Institute for Biomedical Sciences	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, Ryan Alexander, Daniel Bates, Rebecca Bruders, Stephanie DeBaun, Clem Green, Muhammad Halimun, Jessica Halow, Kneshay Harper, Matt Hartman, Andrew Meuser, Alex Nguyen, Truong Nguyen, Sofia Olsson, Sadie Patraw, Hannah Petersen, Tobias Ragoczy, Joshua Richards, Jacob Rodriguez, John Stamatoyannopoulos, Julia Wald, Olivia Waltner, 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_1050175, EPI_ISL_1050176	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_1050223	Lighthouse Lab in Glasgow / 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; Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak; Alasdair MacLean, Rory Gunson; Richard Orton, Joseph Hughes, Sreenu Vattipally, David L Robertson; Sharif Shaaban, Matthew Holden; Kathy Li, James Shepherd, Antonia Ho, Emma Thomson
EPI_ISL_1050297, EPI_ISL_1050304, EPI_ISL_1050305, EPI_ISL_1050306, EPI_ISL_1050343, EPI_ISL_1050344, EPI_ISL_1050345	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_1050355	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_1050378, EPI_ISL_1050379, EPI_ISL_1050382, EPI_ISL_1050383, EPI_ISL_1050393, EPI_ISL_1050394, EPI_ISL_1050395	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_1050748, EPI_ISL_1050749, EPI_ISL_1050750, EPI_ISL_1050752, EPI_ISL_1050754, EPI_ISL_1050755, EPI_ISL_1050756, EPI_ISL_1050757, EPI_ISL_1050758, EPI_ISL_1050759, EPI_ISL_1050760, EPI_ISL_1050761, EPI_ISL_1050762, EPI_ISL_1050763, EPI_ISL_1050764, EPI_ISL_1050765, EPI_ISL_1050766, EPI_ISL_1050767, EPI_ISL_1050768, EPI_ISL_1050769, EPI_ISL_1050770, EPI_ISL_1050771, EPI_ISL_1050772, EPI_ISL_1050773, EPI_ISL_1050774, EPI_ISL_1050775, EPI_ISL_1050776, EPI_ISL_1050777, EPI_ISL_1050778, EPI_ISL_1050779, EPI_ISL_1050780, EPI_ISL_1050781, EPI_ISL_1050782, EPI_ISL_1050783, EPI_ISL_1050784, EPI_ISL_1050785, EPI_ISL_1050786, EPI_ISL_1050787, EPI_ISL_1050788, EPI_ISL_1050789, EPI_ISL_1050790, EPI_ISL_1050791, EPI_ISL_1050794, EPI_ISL_1050795, EPI_ISL_1050796, EPI_ISL_1050797, EPI_ISL_1050798, EPI_ISL_1050800, EPI_ISL_1050801, EPI_ISL_1050802, EPI_ISL_1050803, EPI_ISL_1050804, EPI_ISL_1050805, EPI_ISL_1050806, EPI_ISL_1050807, EPI_ISL_1050808, EPI_ISL_1050809, EPI_ISL_1050810, EPI_ISL_1050811, EPI_ISL_1050812, EPI_ISL_1050814, EPI_ISL_1050815, EPI_ISL_1050819, EPI_ISL_1050820, EPI_ISL_1050821, EPI_ISL_1050822, EPI_ISL_1050823, EPI_ISL_1050824, EPI_ISL_1050825, EPI_ISL_1050827			
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_1050828, EPI_ISL_1050829, EPI_ISL_1050830, EPI_ISL_1050831, EPI_ISL_1050832, EPI_ISL_1050833, EPI_ISL_1050834	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_1050835, EPI_ISL_1050836, EPI_ISL_1050837, EPI_ISL_1050838, EPI_ISL_1050839	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_1050840, EPI_ISL_1050841	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_1050842, EPI_ISL_1050843, EPI_ISL_1050844, EPI_ISL_1050845, EPI_ISL_1050846, EPI_ISL_1050847, EPI_ISL_1050848, EPI_ISL_1050849, EPI_ISL_1050850, EPI_ISL_1050851, EPI_ISL_1050852, EPI_ISL_1050853, EPI_ISL_1050855, EPI_ISL_1050856, EPI_ISL_1050857, EPI_ISL_1050858, EPI_ISL_1050859, EPI_ISL_1050860, EPI_ISL_1050861			
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_1050863, EPI_ISL_1050864, EPI_ISL_1050865, EPI_ISL_1050866, EPI_ISL_1050867, EPI_ISL_1050868, EPI_ISL_1050870	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
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EPI_ISL_1050883, EPI_ISL_1050884, EPI_ISL_1050885, EPI_ISL_1050886, EPI_ISL_1050888, EPI_ISL_1050889, EPI_ISL_1050890, EPI_ISL_1050891, EPI_ISL_1050893, EPI_ISL_1050895, EPI_ISL_1050896, EPI_ISL_1050897, EPI_ISL_1050898, EPI_ISL_1050899, EPI_ISL_1050900, EPI_ISL_1050901, EPI_ISL_1050904, EPI_ISL_1050906, EPI_ISL_1050907, EPI_ISL_1050908			
see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans

EPI_ISL_1050909, EPI_ISL_1050910, EPI_ISL_1050912, EPI_ISL_1050913, EPI_ISL_1050914	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1051046, EPI_ISL_1051049, EPI_ISL_1051055, EPI_ISL_1051057, EPI_ISL_1051072	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_1051268, EPI_ISL_1051269, EPI_ISL_1051270, EPI_ISL_1051271, EPI_ISL_1051272, EPI_ISL_1051273, EPI_ISL_1051274, EPI_ISL_1051275, EPI_ISL_1051276, EPI_ISL_1051277, EPI_ISL_1051278, EPI_ISL_1051279, EPI_ISL_1051281, EPI_ISL_1051282, EPI_ISL_1051284, EPI_ISL_1051287, EPI_ISL_1051403, EPI_ISL_1051404, EPI_ISL_1051405, EPI_ISL_1051406, EPI_ISL_1051408, EPI_ISL_1051409	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
EPI_ISL_1051694, EPI_ISL_1051695, EPI_ISL_1051696, EPI_ISL_1051698, EPI_ISL_1051700, EPI_ISL_1051701, EPI_ISL_1051702, EPI_ISL_1051703, EPI_ISL_1051704, EPI_ISL_1051705, EPI_ISL_1051706, EPI_ISL_1051707, EPI_ISL_1051708, EPI_ISL_1051709, EPI_ISL_1051711, EPI_ISL_1051713, EPI_ISL_1051714, EPI_ISL_1051723, EPI_ISL_1051724, EPI_ISL_1051729, EPI_ISL_1051730, EPI_ISL_1051731, EPI_ISL_1051732, EPI_ISL_1051733, EPI_ISL_1051734, EPI_ISL_1051735, EPI_ISL_1051736, EPI_ISL_1051737, EPI_ISL_1051741, EPI_ISL_1051742, EPI_ISL_1051743, EPI_ISL_1051744, EPI_ISL_1051745, EPI_ISL_1051749, EPI_ISL_1051750, EPI_ISL_1051751, EPI_ISL_1051753, EPI_ISL_1051754, EPI_ISL_1051755, EPI_ISL_1051756, EPI_ISL_1051757, EPI_ISL_1051766, EPI_ISL_1051775, EPI_ISL_1051780, EPI_ISL_1051781, EPI_ISL_1051783	see above	Oxford Viromics, NDM, University of Oxford: Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_1052141, EPI_ISL_1052148, EPI_ISL_1052158, EPI_ISL_1052164, EPI_ISL_1052178, EPI_ISL_1052179, EPI_ISL_1052180, EPI_ISL_1052181, EPI_ISL_1052182, EPI_ISL_1052184, EPI_ISL_1052186, EPI_ISL_1052187, EPI_ISL_1052189, EPI_ISL_1052196, EPI_ISL_1052197, EPI_ISL_1052198, EPI_ISL_1052199, EPI_ISL_1052200, EPI_ISL_1052201, EPI_ISL_1052202, EPI_ISL_1052205, EPI_ISL_1052206, EPI_ISL_1052208, EPI_ISL_1052209, EPI_ISL_1052210, EPI_ISL_1052212, EPI_ISL_1052214, EPI_ISL_1052217, EPI_ISL_1052218, EPI_ISL_1052219, EPI_ISL_1052220, EPI_ISL_1052221, EPI_ISL_1052223, EPI_ISL_1052224, EPI_ISL_1052226, EPI_ISL_1052227, EPI_ISL_1052228, EPI_ISL_1052229, EPI_ISL_1052230, EPI_ISL_1052232, EPI_ISL_1052233, EPI_ISL_1052235, EPI_ISL_1052236, EPI_ISL_1052237, EPI_ISL_1052238, EPI_ISL_1052239, EPI_ISL_1052240, EPI_ISL_1052241, EPI_ISL_1052242, EPI_ISL_1052243, EPI_ISL_1052244, EPI_ISL_1052245, EPI_ISL_1052246, EPI_ISL_1052247, EPI_ISL_1052248, EPI_ISL_1052249, EPI_ISL_1052254, EPI_ISL_1052255, EPI_ISL_1052256, EPI_ISL_1052257, EPI_ISL_1052258, EPI_ISL_1052260, EPI_ISL_1052285, EPI_ISL_1052286, EPI_ISL_1052288, EPI_ISL_1052292, EPI_ISL_1052298, EPI_ISL_1052299, EPI_ISL_1052322, EPI_ISL_1052323, EPI_ISL_1052328, EPI_ISL_1052329, EPI_ISL_1052330, EPI_ISL_1052335, EPI_ISL_1052336, EPI_ISL_1052337, EPI_ISL_1052339, EPI_ISL_1052340, EPI_ISL_1052345, EPI_ISL_1052352, EPI_ISL_1052355, EPI_ISL_1052357, EPI_ISL_1052377, EPI_ISL_1052384, EPI_ISL_1052390, EPI_ISL_1052542, EPI_ISL_1052601, EPI_ISL_1052606, EPI_ISL_1052607, EPI_ISL_1052620, EPI_ISL_1052675	see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre
EPI_ISL_1053433	Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Noah Hull, Taylor Fearing, Lynette Gumbleton, Channing Weber, Ashley Norberg, Bailey Bowcutt, and Wanda Manley
EPI_ISL_1053519, EPI_ISL_1053520, EPI_ISL_1053528, EPI_ISL_1053529, EPI_ISL_1053537, EPI_ISL_1053590, EPI_ISL_1053592, EPI_ISL_1053597, EPI_ISL_1053598, EPI_ISL_1053599, EPI_ISL_1053605, EPI_ISL_1053606, EPI_ISL_1053607	see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre
EPI_ISL_1053749, EPI_ISL_1053821, EPI_ISL_1053858, EPI_ISL_1053859, EPI_ISL_1053860, EPI_ISL_1053938, EPI_ISL_1053939, EPI_ISL_1053953, EPI_ISL_1053954, EPI_ISL_1053957, EPI_ISL_1053958, EPI_ISL_1053959, EPI_ISL_1053971	see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_1054131, EPI_ISL_1054133, EPI_ISL_1054134, EPI_ISL_1054135, EPI_ISL_1054136, EPI_ISL_1054137, EPI_ISL_1054138, EPI_ISL_1054139, EPI_ISL_1054140, EPI_ISL_1054142, EPI_ISL_1054143, EPI_ISL_1054144, EPI_ISL_1054146, EPI_ISL_1054147, EPI_ISL_1054148, EPI_ISL_1054149, EPI_ISL_1054150, EPI_ISL_1054151, EPI_ISL_1054152, EPI_ISL_1054153, EPI_ISL_1054154, EPI_ISL_1054155, EPI_ISL_1054156, EPI_ISL_1054157, EPI_ISL_1054158, EPI_ISL_1054159, EPI_ISL_1054160, EPI_ISL_1054161, EPI_ISL_1054162, EPI_ISL_1054163, EPI_ISL_1054164, EPI_ISL_1054165, EPI_ISL_1054166, EPI_ISL_1054167, EPI_ISL_1054169, EPI_ISL_1054170, EPI_ISL_1054171, EPI_ISL_1054173, EPI_ISL_1054176, EPI_ISL_1054177, EPI_ISL_1054178, EPI_ISL_1054179, EPI_ISL_1054180, EPI_ISL_1054181, EPI_ISL_1054182, EPI_ISL_1054183, EPI_ISL_1054184, EPI_ISL_1054185, EPI_ISL_1054186, EPI_ISL_1054187, EPI_ISL_1054188, EPI_ISL_1054189, EPI_ISL_1054190, EPI_ISL_1054191, EPI_ISL_1054193, EPI_ISL_1054195, EPI_ISL_1054196, EPI_ISL_1054197, EPI_ISL_1054198, EPI_ISL_1054199, EPI_ISL_1054200, EPI_ISL_1054201, EPI_ISL_1054202, EPI_ISL_1054203, EPI_ISL_1054204, EPI_ISL_1054205, EPI_ISL_1054207, EPI_ISL_1054208, EPI_ISL_1054209, EPI_ISL_1054211, EPI_ISL_1054212, EPI_ISL_1054213, EPI_ISL_1054214, EPI_ISL_1054215, EPI_ISL_1054216, EPI_ISL_1054217, EPI_ISL_1054218, EPI_ISL_1054219, EPI_ISL_1054220, EPI_ISL_1054221, EPI_ISL_1054222, EPI_ISL_1054223, EPI_ISL_1054224, EPI_ISL_1054225, EPI_ISL_1054226, EPI_ISL_1054227, EPI_ISL_1054228, EPI_ISL_1054229, EPI_ISL_1054230, EPI_ISL_1054231, EPI_ISL_1054232, EPI_ISL_1054233, EPI_ISL_1054235, EPI_ISL_1054236, EPI_ISL_1054237, EPI_ISL_1054238, EPI_ISL_1054240, EPI_ISL_1054242, EPI_ISL_1054244, EPI_ISL_1054245, EPI_ISL_1054246, EPI_ISL_1054247, EPI_ISL_1054249, EPI_ISL_1054251, EPI_ISL_1054253, EPI_ISL_1054255, EPI_ISL_1054256, EPI_ISL_1054257	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
EPI_ISL_1054832	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_1055796	Ospedale A.S.O. Alessandria	U.O. Genomics, S.S. Genetics and Advanced Omics Techniques, Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d'Aosta	Chiara Beltramo, Elena Bozzetta, Pier Luigi Acutis, Simone Peletto
EPI_ISL_1056108	National Laboratory for Health, Environment and Food	CISLD (Clinical Institute of Special Laboratory Diagnostics), University Children's Hospital, University Medical Center Ljubljana	Jernej Kova, Barbara Jenko Bizjan, Tine Tesovnik, Robert Šket, Katarina Kozmos, Ana Grom, Maruša Debeljak, Marko Pokorn, Tadej Battelino
EPI_ISL_1058041	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_1058060	Haukeland University Hospital, Dept. of Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Engebretsen Serina Beate Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1058535, EPI_ISL_1058537, EPI_ISL_1058539, EPI_ISL_1058541, EPI_ISL_1058542, EPI_ISL_1058544, EPI_ISL_1058545, EPI_ISL_1058547	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_1058560, EPI_ISL_1058561, EPI_ISL_1058564, EPI_ISL_1058568, EPI_ISL_1058573	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_1058780, EPI_ISL_1058841, EPI_ISL_1058951	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_1059038, EPI_ISL_1059039	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 Martín, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_1060384, EPI_ISL_1060385, EPI_ISL_1060386	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,Guillaume Thibault
EPI_ISL_1060570	Outre mer	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,Rousset Dominique
EPI_ISL_1063509, EPI_ISL_1063510	Institute of Microbiology and Immunology, Faculty of Medicine,	Institute of Microbiology and Immunology, Faculty of Medicine,	Samo Zakotnik, Tomaž Mark Zorec, Matic Brvar, Doroteja Vljaj, Andrej Celar, Dominika Šturm, Patricija Pozvek, Špela Pleh, Miša Korva, Mario Poljak,

EPI_ISL_1064371, EPI_ISL_1064375, EPI_ISL_1064386	University of Ljubljana Vault Health	University of Ljubljana Minnesota Department of Health, Public Health Laboratory	Tatjana Avši - Županc Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1064446, EPI_ISL_1064447	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_1065277, EPI_ISL_1065375, EPI_ISL_1065381, EPI_ISL_1065432, EPI_ISL_1065455, EPI_ISL_1065555, EPI_ISL_1065574, EPI_ISL_1065632, EPI_ISL_1065635, EPI_ISL_1065759, EPI_ISL_1065794, EPI_ISL_1066070, EPI_ISL_1066152, EPI_ISL_1066197, EPI_ISL_1066277, EPI_ISL_1066417, EPI_ISL_1066438, EPI_ISL_1066540, EPI_ISL_1066590, EPI_ISL_1066660, EPI_ISL_1066677, EPI_ISL_1066732, EPI_ISL_1066801, EPI_ISL_1066888, EPI_ISL_1066928, EPI_ISL_1067076, EPI_ISL_1067108, EPI_ISL_1067263, EPI_ISL_1067265, EPI_ISL_1067312, EPI_ISL_1067345	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Aalborg University Danish Covid-19 Genome Consortium	
see above	AREA DE SALUD CATEDRAL NORESTE	Incienza, Instituto Costarricense de Investigación y Enseñanza en Nutrición y Salud	Francisco Duarte, Hebleen Porras, Claudio Soto-Garita, Estela Cordero, Adriana Godínez, Melany Calderón & Mariel López
EPI_ISL_1067587			
EPI_ISL_1067807	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_1070005, EPI_ISL_1070045, EPI_ISL_1070095, EPI_ISL_1070121, EPI_ISL_1070845	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_1072959	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_1073918, EPI_ISL_1073923, EPI_ISL_1073924	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 Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1080155, EPI_ISL_1080159, EPI_ISL_1080175, EPI_ISL_1080231, EPI_ISL_1080255	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 Golihair, and James M. Musser
EPI_ISL_1080777, EPI_ISL_1080778, EPI_ISL_1080779	Clinical Microbiology Laboratory, NewYork Presbyterian Hospital/Columbia University Irving Medical Center	Uhlemann Laboratory, Columbia University Irving Medical Center	Medini K. Annavajhala, Anne-Catrin Uhlemann, Hiroshi Mohri, David Ho
EPI_ISL_1081048, EPI_ISL_1081052, EPI_ISL_1081054, EPI_ISL_1081055, EPI_ISL_1081056, EPI_ISL_1081057, EPI_ISL_1081058, EPI_ISL_1081060, EPI_ISL_1081061, EPI_ISL_1081062, EPI_ISL_1081064, EPI_ISL_1081066, EPI_ISL_1081067, EPI_ISL_1081068, EPI_ISL_1081069, EPI_ISL_1081070, EPI_ISL_1081071, EPI_ISL_1081072, EPI_ISL_1081073, EPI_ISL_1081074, EPI_ISL_1081075, EPI_ISL_1081076, EPI_ISL_1081077, EPI_ISL_1081078, EPI_ISL_1081079, EPI_ISL_1081080, EPI_ISL_1081081, EPI_ISL_1081082, EPI_ISL_1081083, EPI_ISL_1081084, EPI_ISL_1081085, EPI_ISL_1081091, EPI_ISL_1081096			
see above	Helix/Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhwani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, Nicole L. Washington, Simon White, 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_1081831	Philippine Red Cross - Clark	Philippine Genome Center	Francis A. Tablizo, Cynthia P. Saloma, Marc Jerrone R. Castro, Kenneth M. Kim, Maria Sofia L. Yangzon, Carlo M. Lapid, Benedict A. Maralit, Marc Edsel C. Ayes, Jan Michael C. Yap, Jo-Hannah S. Llames, Sheila Mae M. Araiza, Kris P. Punayan, Irish Coleen A. Asin, Candice Francheska B. Tambaoan, Asia Louisa U. Chong, Karol Sophia Agape R. Padilla, Rianna Patricia S. Cruz, El King D. Morado, Joshua Gregor A. Dizon, Eva Maria Cutiongco-de la Paz, Alethea R. de Guzman, Razel Nikka M. Hao, Arianne A. Zamora, Devon Ray Pacial, Juan Antonio R. Magalang, Marissa Alejandria, Celia Carlos, Anna Ong-Lim, Edsel Maurice Salvaña, John Q. Wong, Jaime C. Montoya, and Maria Rosario Singh-Vergeire
EPI_ISL_1081860, EPI_ISL_1081861, EPI_ISL_1081867	Clinical Microbiology, Infection Prevention and Control	Section for Molecular Diagnostics	Björn Hallström, Jonas Björkman
EPI_ISL_1082263	LabPLUS	Institute of Environmental Science and Research (ESR)	Rachel Boyle, SallyAnn Harbison, Olivia Stroeven, 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_1082292, EPI_ISL_1082293	INT Fondazione Pascale	INT Fondazione Pascale	INT Fondazione Pascale
EPI_ISL_1082357	Spital Männedorf AG	Institute of Medical Virology, University of Zurich	Verena Kufner, Gabriela Ziltener, Stefan Schmutz, Maryam Zaheri, Annette Audigé, Maria Grünberg, Kevin Steiner, Jon Huder, Cyril Shah, Riccarda Capaul, Guido Bloemberg, Jürg Böni, Michael Huber, Alexandra Trkola
EPI_ISL_1082358, EPI_ISL_1082359	Spital Limmattal	Institute of Medical Virology, University of Zurich	Verena Kufner, Gabriela Ziltener, Stefan Schmutz, Maryam Zaheri, Annette Audigé, Maria Grünberg, Kevin Steiner, Jon Huder, Cyril Shah, Riccarda Capaul, Guido Bloemberg, Jürg Böni, Michael Huber, Alexandra Trkola
EPI_ISL_1085012	Azienda USL Valle d'Aosta	U.O. Genomics, S.S. Genetics and Advanced Omics Techniques, Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d'Aosta	Chiara Beltramo, Elena Bozzetta, Pier Luigi Acutis, Simone Peletto
EPI_ISL_1085166	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_1088560, EPI_ISL_1088564, EPI_ISL_1088568, EPI_ISL_1088569, EPI_ISL_1088570, EPI_ISL_1088571	Groupe LCD	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_1089442, EPI_ISL_1089446, EPI_ISL_1089447, EPI_ISL_1089448, EPI_ISL_1089449, EPI_ISL_1089450, EPI_ISL_1089451, EPI_ISL_1089452, EPI_ISL_1089453, EPI_ISL_1089454, EPI_ISL_1089455, EPI_ISL_1089456, EPI_ISL_1089594, EPI_ISL_1089646, EPI_ISL_1089647, EPI_ISL_1089648, EPI_ISL_1089649, EPI_ISL_1089650, EPI_ISL_1089651, EPI_ISL_1089652, EPI_ISL_1089653, EPI_ISL_1089654, EPI_ISL_1089655, EPI_ISL_1089656			
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_1091183, EPI_ISL_1091185, EPI_ISL_1091195	Croatian Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1091605, EPI_ISL_1091608, EPI_ISL_1091609, EPI_ISL_1091610, EPI_ISL_1091618	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_1091896	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_1092363, EPI_ISL_1092365, EPI_ISL_1092370, EPI_ISL_1092371, EPI_ISL_1092372, EPI_ISL_1092374, EPI_ISL_1092382, EPI_ISL_1092393, EPI_ISL_1092398, EPI_ISL_1092400, EPI_ISL_1092415, EPI_ISL_1092424, EPI_ISL_1092425, EPI_ISL_1092426, EPI_ISL_1092427, EPI_ISL_1092428, EPI_ISL_1092429, EPI_ISL_1092430, EPI_ISL_1092431, EPI_ISL_1092434, EPI_ISL_1092467, EPI_ISL_1092470, EPI_ISL_1092471, EPI_ISL_1092472, EPI_ISL_1092473, EPI_ISL_1092474, EPI_ISL_1092475, EPI_ISL_1092476, EPI_ISL_1092477, EPI_ISL_1092489, EPI_ISL_1092490, EPI_ISL_1092499, EPI_ISL_1092500, EPI_ISL_1092501, EPI_ISL_1092502, EPI_ISL_1092503, EPI_ISL_1092523, EPI_ISL_1092524, EPI_ISL_1092529, EPI_ISL_1092531, EPI_ISL_1092532, EPI_ISL_1092533, EPI_ISL_1092534, EPI_ISL_1092535, EPI_ISL_1092538, EPI_ISL_1092544, EPI_ISL_1092546, EPI_ISL_1092547, EPI_ISL_1092548, EPI_ISL_1092549, EPI_ISL_1092550, EPI_ISL_1092551, EPI_ISL_1092555, EPI_ISL_1092559, EPI_ISL_1092561, EPI_ISL_1092563, EPI_ISL_1092603, EPI_ISL_1092604, EPI_ISL_1092605, EPI_ISL_1092606, EPI_ISL_1092607, EPI_ISL_1092608, EPI_ISL_1092609, EPI_ISL_1092610, EPI_ISL_1092611, EPI_ISL_1092612, EPI_ISL_1092613, EPI_ISL_1092614, EPI_ISL_1092615, EPI_ISL_1092616, EPI_ISL_1092617, EPI_ISL_1092618, EPI_ISL_1092619, EPI_ISL_1092620, EPI_ISL_1092621, EPI_ISL_1092622, EPI_ISL_1092624, EPI_ISL_1092625, EPI_ISL_1092659, EPI_ISL_1092660, EPI_ISL_1092661, EPI_ISL_1092662, EPI_ISL_1092663, EPI_ISL_1092664, EPI_ISL_1092665, EPI_ISL_1092666, EPI_ISL_1092667, EPI_ISL_1092668, EPI_ISL_1092669, EPI_ISL_1092670, EPI_ISL_1092671, EPI_ISL_1092672, EPI_ISL_1092700, EPI_ISL_1092701, EPI_ISL_1092702, EPI_ISL_1092703, EPI_ISL_1092711, EPI_ISL_1092712, EPI_ISL_1092713, EPI_ISL_1092714, EPI_ISL_1092715, EPI_ISL_1092716, EPI_ISL_1092717, EPI_ISL_1092718,			

EPI_ISL_1092719, EPI_ISL_1092720, EPI_ISL_1092721, EPI_ISL_1092722, EPI_ISL_1092723, EPI_ISL_1092724, EPI_ISL_1092726, EPI_ISL_1092727, EPI_ISL_1092728, EPI_ISL_1092729, EPI_ISL_1092730, EPI_ISL_1092731, EPI_ISL_1092732, EPI_ISL_1092733, EPI_ISL_1092734, EPI_ISL_1092768, EPI_ISL_1092769, EPI_ISL_1092770, EPI_ISL_1092771, EPI_ISL_1092772, EPI_ISL_1092773, EPI_ISL_1092774, EPI_ISL_1092775, EPI_ISL_1092776, EPI_ISL_1092777, EPI_ISL_1092778, EPI_ISL_1092779, EPI_ISL_1092780, EPI_ISL_1092781, EPI_ISL_1092782, EPI_ISL_1092783, EPI_ISL_1092784, EPI_ISL_1092785, EPI_ISL_1092786, EPI_ISL_1092787, EPI_ISL_1092788, EPI_ISL_1092789, EPI_ISL_1092820, EPI_ISL_1092821, EPI_ISL_1092822, EPI_ISL_1092823, EPI_ISL_1092824, EPI_ISL_1092825, EPI_ISL_1092826, EPI_ISL_1092827, EPI_ISL_1092828, EPI_ISL_1092829, EPI_ISL_1092830, EPI_ISL_1092831, EPI_ISL_1092852, EPI_ISL_1092853, EPI_ISL_1092854, EPI_ISL_1092855, EPI_ISL_1092856, EPI_ISL_1092857, EPI_ISL_1092866, EPI_ISL_1092867, EPI_ISL_1092868, EPI_ISL_1092869, EPI_ISL_1092870, EPI_ISL_1092871, EPI_ISL_1092872, EPI_ISL_1092873, EPI_ISL_1092874, EPI_ISL_1092875, EPI_ISL_1092876, EPI_ISL_1092877, EPI_ISL_1092878, EPI_ISL_1092879, EPI_ISL_1092880, EPI_ISL_1092881, EPI_ISL_1092882, EPI_ISL_1092896, EPI_ISL_1092904, EPI_ISL_1092906, EPI_ISL_1092907, EPI_ISL_1092916, EPI_ISL_1092918, EPI_ISL_1092969, EPI_ISL_1092974, EPI_ISL_1092977	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_1095364		Istituto Zooprofilattico Sperimentale del Mezzogiorno - Azienda Ospedaliera "Pugliese Ciaccio" di Catanzaro	Lab. Microbiologia e Virologia, Cotugno, A.O. dei Colli	Luigi Atripaldi, Claudia Tiberio, Anna Perfetti, Pellegrino Cerino, Biancamaria Pierri, Maria Concetta Cuomo, Pasquale Minchella
EPI_ISL_1096217, EPI_ISL_1096226, EPI_ISL_1096227		National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1097519, EPI_ISL_1097523		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_1103791, EPI_ISL_1103794, EPI_ISL_1103796, EPI_ISL_1103798		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_1104041, EPI_ISL_1104042, EPI_ISL_1104043, EPI_ISL_1104044, EPI_ISL_1104046, EPI_ISL_1104052, EPI_ISL_1104053, EPI_ISL_1104054, EPI_ISL_1104057, EPI_ISL_1104058, EPI_ISL_1104059, EPI_ISL_1104060, EPI_ISL_1104062, EPI_ISL_1104063, EPI_ISL_1104065, EPI_ISL_1104066, EPI_ISL_1104067, EPI_ISL_1104068, EPI_ISL_1104069	see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Anygal, 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_1104224		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_1104324, EPI_ISL_1104325, EPI_ISL_1104326, EPI_ISL_1104328, EPI_ISL_1104329, EPI_ISL_1104331, EPI_ISL_1104435, EPI_ISL_1104438, EPI_ISL_1104444, EPI_ISL_1104447, EPI_ISL_1104450, EPI_ISL_1104453, EPI_ISL_1104508, EPI_ISL_1104509, EPI_ISL_1104510, EPI_ISL_1104511, EPI_ISL_1104516	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 García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_1104930, EPI_ISL_1104936, EPI_ISL_1104942, EPI_ISL_1104957, EPI_ISL_1104962, EPI_ISL_1104964, EPI_ISL_1104970, EPI_ISL_1104985, EPI_ISL_1105014, EPI_ISL_1105015, EPI_ISL_1105029, EPI_ISL_1105030, EPI_ISL_1105038, EPI_ISL_1105041, EPI_ISL_1105078, EPI_ISL_1105107, EPI_ISL_1105113, EPI_ISL_1105120, EPI_ISL_1105125, EPI_ISL_1105131, EPI_ISL_1105139, EPI_ISL_1105151, EPI_ISL_1105155, EPI_ISL_1105162, EPI_ISL_1105173, EPI_ISL_1105180, EPI_ISL_1105186	see above	University College London Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Judith Heaney, Matthew Byott, Catherine Houlihan, Dan Frampton, Stuart Kirk, Moira Spyer and Eleni Nastouli
EPI_ISL_1105449, EPI_ISL_1105466, EPI_ISL_1105468		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_1105473, EPI_ISL_1105474, EPI_ISL_1105475, EPI_ISL_1105476, EPI_ISL_1105477, EPI_ISL_1105478, EPI_ISL_1105479, EPI_ISL_1105480, EPI_ISL_1105481, EPI_ISL_1105482, EPI_ISL_1105483, EPI_ISL_1105484, EPI_ISL_1105485, EPI_ISL_1105487, EPI_ISL_1105489, EPI_ISL_1105490, EPI_ISL_1105491, EPI_ISL_1105492, EPI_ISL_1105493	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_1105494, EPI_ISL_1105495		Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1105496, EPI_ISL_1105497, EPI_ISL_1105498, EPI_ISL_1105499, EPI_ISL_1105500, EPI_ISL_1105501, EPI_ISL_1105502, EPI_ISL_1105503, EPI_ISL_1105504, EPI_ISL_1105505, EPI_ISL_1105506, EPI_ISL_1105507, EPI_ISL_1105508, EPI_ISL_1105509, EPI_ISL_1105510	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_1105511, EPI_ISL_1105512		Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1105513, EPI_ISL_1105514, EPI_ISL_1105515, EPI_ISL_1105516, EPI_ISL_1105517, EPI_ISL_1105518, EPI_ISL_1105521, EPI_ISL_1105522, EPI_ISL_1105523		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_1105525, EPI_ISL_1105526, EPI_ISL_1105528, EPI_ISL_1105531		Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_1105872, EPI_ISL_1105873, EPI_ISL_1105891, EPI_ISL_1105893, EPI_ISL_1105894, EPI_ISL_1105895, EPI_ISL_1105896, EPI_ISL_1105897, EPI_ISL_1105898, EPI_ISL_1105899, EPI_ISL_1105901, EPI_ISL_1105903	see above	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1107586, EPI_ISL_1107638, EPI_ISL_1107639, EPI_ISL_1107664, EPI_ISL_1107789		Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1107797		Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_1108387		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_1108972	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_1109395, EPI_ISL_1109409, EPI_ISL_1109410, EPI_ISL_1109411, EPI_ISL_1109413, EPI_ISL_1109414, EPI_ISL_1109415, EPI_ISL_1109416, EPI_ISL_1109417, EPI_ISL_1109419, EPI_ISL_1109420, EPI_ISL_1109421, EPI_ISL_1109422, EPI_ISL_1109423, EPI_ISL_1109424, EPI_ISL_1109433	see above	Radboudumc	Jordy Coolen, Femke Wolters
EPI_ISL_1109492, EPI_ISL_1109500	University Hospital for Infectious Diseases	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1109632	Instituto de Biotecnologia - UNESP-Botucatu-SP	Instituto de Biotecnologia - UNESP-Botucatu-SP	Leila Sabrina Ullmann; Fábio Sossai Possebon; Cecília Artico Banho; Cintia Bittar; Guilherme Campos; Helena Lage Ferreira; Jorge A. Petrolí Marchesi; Livia Sacchetto; Maisa C. Pereira Parra; Marília Moraes; Maurício L. Nogueira; Paula Rahal; Paulo Inacio da Costa; João Pessoa Araújo Jr.
EPI_ISL_1109633	INNO Diagnostics Reference Laboratory	RCMI-Center for Research Resources, Ponce Research Institute	Vanessa Rivera-Amill, Andrea Arias-García, Raphael Sánchez-Torres
EPI_ISL_1114457, EPI_ISL_1114459	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin L. Young, Kelly F. Oakeson, Tara Gallagher
EPI_ISL_1116473	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Parisi A., Bianco A., Capozzi L., Del Sambio L., Simone D., Chironna M., Loconsole D., Sallustio A., Ridolfi D.
EPI_ISL_1116831	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Instituto Nacional de Saude (INSA) and Instituto Gulbenkian de Ciencia (IGC)	Borges et al
EPI_ISL_1116893, EPI_ISL_1116896	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1117751	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1117816, EPI_ISL_1117846, EPI_ISL_1117847	Institut für Pathologie, Salzkammergut Klinikum Vöcklabruck	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_1118348	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_1118349	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_1118350	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_1118351, EPI_ISL_1118352	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_1118353	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_1118354, EPI_ISL_1118355	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_1121784, EPI_ISL_1121805	Massachusetts General Hospital	Infectious Disease Program, Broad Institute of Harvard and MIT	Lemieux, J.E., Siddle, K.J., Shaw, B., Adams, G., Pierce, V., Turbett, S., Anahtar, M., Branda, J., Slater, D., Harris, J., Lin, A.E., Gladden-Young, A., Lagerborg, K., Rudy, M., DeRuff, K., Carter, A., Normandin, E., Bauer, M., Reilly, S., Tomkins-Tinch, C., Loreth, C., Chaluvadi, S., Neumann, A., Cusick, C., Chapman, S.B., Gnirke, A., Flowers, K., Cerrato, F., Birren, B.W., Gallagher, G., Smole, S., Park, D.J., MacInnis, B.L., Ryan, E., LaRocque, R., Rosenberg, E. and Sabeti, P.C.
EPI_ISL_1125055, EPI_ISL_1125385, EPI_ISL_1126773	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Aalborg University	Danish Covid-19 Genome Consortium
EPI_ISL_1128121	Jessa	Jessa	Cruys et al. on behalf of the Jessa_cmdLab
EPI_ISL_1129288, EPI_ISL_1129349, EPI_ISL_1129448, EPI_ISL_1129769, EPI_ISL_1129771, EPI_ISL_1129777, EPI_ISL_1129784, EPI_ISL_1129799, EPI_ISL_1129806, EPI_ISL_1129860	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_1129883	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_1129965, EPI_ISL_1129968	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_1129983	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_1129991, EPI_ISL_1130022, EPI_ISL_1130038, EPI_ISL_1130047, EPI_ISL_1130048, EPI_ISL_1130051, EPI_ISL_1130062, EPI_ISL_1130125, EPI_ISL_1130161, EPI_ISL_1130169, EPI_ISL_1130255, EPI_ISL_1130260, EPI_ISL_1130281	see above	Viollier AG	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_1130285	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_1130318, EPI_ISL_1130338, EPI_ISL_1130374, EPI_ISL_1130379, EPI_ISL_1130403, EPI_ISL_1130463, EPI_ISL_1130506, EPI_ISL_1130555, EPI_ISL_1130565, EPI_ISL_1130624, EPI_ISL_1130643, EPI_ISL_1130645, EPI_ISL_1130650, EPI_ISL_1130670	see above	Viollier AG	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_1130684, EPI_ISL_1130697, EPI_ISL_1130718, EPI_ISL_1130747	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_1130815, EPI_ISL_1130825, EPI_ISL_1130886, EPI_ISL_1130966, EPI_ISL_1130967, EPI_ISL_1130985,	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



EPI_ISL_1131037, EPI_ISL_1131062, EPI_ISL_1131083			Beerenwinkel, Tanja Stadler
EPI_ISL_1131084	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_1132738	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1138743	General Hospital - Struga	Research Center for Genetic Engineering and Biotechnology "Georgi D. Efremov", Macedonian Academy of Sciences and Arts	Aleksandar J. Dimovski, Dijana Plasheska-Karanfilska, Predrag Noveski, Gjorgji Bozinovski, Milena Jakimovska
EPI_ISL_1140117, EPI_ISL_1140118, EPI_ISL_1140119	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_1142657	LADR Zentrallabor DR. Kramer & Kollegen Geesthacht	Robert Koch Institute	unknown
EPI_ISL_1143177, EPI_ISL_1143301	Sonic - MVZ Medizinisches Labor Bremen GmbH	Robert Koch Institute	unknown
EPI_ISL_1144022, EPI_ISL_1144023, EPI_ISL_1144024, EPI_ISL_1144025, EPI_ISL_1144027, EPI_ISL_1144028, EPI_ISL_1144030, EPI_ISL_1144031, EPI_ISL_1144032, EPI_ISL_1144033, EPI_ISL_1144034, EPI_ISL_1144035, EPI_ISL_1144036, EPI_ISL_1144045	see above	Robert Koch Institute	unknown
EPI_ISL_1144903, EPI_ISL_1144905	Philipp-Universität Marburg Fachbereich Medizin Institut für Virologie	Robert Koch Institute	unknown
EPI_ISL_1144969, EPI_ISL_1144970, EPI_ISL_1144971, EPI_ISL_1144972	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1144997	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1145010	Sonic - Labor Dr. von Foreich GmbH	Robert Koch Institute	unknown
EPI_ISL_1145042, EPI_ISL_1145051, EPI_ISL_1145124, EPI_ISL_1145142, EPI_ISL_1145146, EPI_ISL_1145167, EPI_ISL_1145169, EPI_ISL_1145185, EPI_ISL_1145202	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1145225, EPI_ISL_1145226, EPI_ISL_1145227, EPI_ISL_1145228, EPI_ISL_1145269	MVZ Dr. Eberhard & Partner Dortmund	Robert Koch Institute	unknown
EPI_ISL_1145366, EPI_ISL_1145367, EPI_ISL_1145380, EPI_ISL_1145418, EPI_ISL_1145450, EPI_ISL_1145468, EPI_ISL_1145477, EPI_ISL_1145478, EPI_ISL_1145480, EPI_ISL_1145484	SYNLAB Jena Oncoscreen	Robert Koch Institute	unknown
EPI_ISL_1145511, EPI_ISL_1145515, EPI_ISL_1145519, EPI_ISL_1145520	LADR Zentrallabor DR. Kramer & Kollegen Geesthacht	Robert Koch Institute	unknown
EPI_ISL_1145914, EPI_ISL_1145919	LabKom - Labor Hannover MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1145944, EPI_ISL_1145946	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1145968	LabKom - Labor Hannover MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1145979	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1146037	LabKom - Labor Hannover MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1146060, EPI_ISL_1146112, EPI_ISL_1146149, EPI_ISL_1146164	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1146252	amedes MVZ Jena	Robert Koch Institute	unknown
EPI_ISL_1147155, EPI_ISL_1147160	MVZ Labor Krone GbR	Robert Koch Institute	unknown
EPI_ISL_1147695, EPI_ISL_1147696, EPI_ISL_1147701, EPI_ISL_1147702, EPI_ISL_1147703	amedes MVZ DIAMEDIS Sennestadt	Robert Koch Institute	unknown
EPI_ISL_1148170, EPI_ISL_1148205, EPI_ISL_1148264, EPI_ISL_1148394	Sonic - Labor Staber Bayreuth	Robert Koch Institute	unknown
EPI_ISL_1150096	Bioscientia Labor Wermsdorf	Robert Koch Institute	unknown
EPI_ISL_1151904, EPI_ISL_1151940	IMD - Labor Oderland	Robert Koch Institute	unknown
EPI_ISL_1151975	IMD - MVZ Labor Greifswald	Robert Koch Institute	unknown
EPI_ISL_1152608	MVZ Labor Passau GbR	Robert Koch Institute	unknown
EPI_ISL_1153416	MVZ Labor Dr. Limbach & Kollegen GbR	Robert Koch Institute	unknown
EPI_ISL_1154931	LabKom - MVZ Labor Bochum MLB GmbH	Robert Koch Institute	unknown
EPI_ISL_1154963	LabKom - Labor Hannover MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1154977	LabKom - Labor Mainz MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155013	LabKom - MVZ Labor Bochum MLB GmbH	Robert Koch Institute	unknown
EPI_ISL_1155029, EPI_ISL_1155061	LabKom - Labor Hannover MVZ GmbH	Robert Koch Institute	unknown
EPI_ISL_1155062, EPI_ISL_1155063	LabKom - MVZ Labor Bochum MLB GmbH	Robert Koch Institute	unknown
EPI_ISL_1155200	MVZ Labor Dr. Reising-Ackermann und Kollegen	Robert Koch Institute	unknown
EPI_ISL_1157281, EPI_ISL_1157316, EPI_ISL_1157323	Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit (LGL)	Robert Koch Institute	unknown
EPI_ISL_1158367, EPI_ISL_1158368	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_1158614, EPI_ISL_1158615, EPI_ISL_1158623	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_1159140, EPI_ISL_1159141, EPI_ISL_1159142, EPI_ISL_1159143, EPI_ISL_1159144	HOSPITAL COMARCAL DE MELILLA	Instituto de Salud Carlos III	Vázquez-Morón, S. Iglesias-Caballero, M. Sandonis, V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. ROMAN SOTO, SERGIO
EPI_ISL_1159158	HOSPITAL GENERAL UNIVERSITARIO SANTA LUCIA	Instituto de Salud Carlos III	Vázquez-Morón, S. Iglesias-Caballero, M. Sandonis, V. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. BLAZQUEZ ABELLAN, ANA
EPI_ISL_1159168, EPI_ISL_1159170, EPI_ISL_1159172	HOSPITAL SAN PEDRO DE ALCANTARA - C.D. 05	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. RODRIGUEZ RODRIGUEZ, GUADALUPE
EPI_ISL_1159192, EPI_ISL_1159193	HOSPITAL LOS ARCOS	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. CAMARA SIMON, MARGARITA
EPI_ISL_1159215	HOSPITAL UNIVERSITARIO DE GUADALAJARA	Instituto de Salud Carlos III	Iglesias-Caballero, M. Sandonis, V. Vázquez-Morón, S. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. GONZALEZ PRAETORIUS, ALEJANDRO
EPI_ISL_1160200	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Maximilian Damagnez, Alexander Dilthey, Torsten Houwaart, Lisanna Hülse, Malte Kohns Vasconcelos, Nadine Lübke, Jessica Nicolai, Klaus Pfeffer, Daniel Strelow, Jörg Timm, Andreas Walker, Tobias Wienemann
EPI_ISL_1165212, EPI_ISL_1165214, EPI_ISL_1165216, EPI_ISL_1165227, EPI_ISL_1165536	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_1165846	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_1167297	Maryland Public Health Laboratory	Maryland Public Health Laboratory	Maryland Department of Health Laboratories Administration
EPI_ISL_1168724, EPI_ISL_1168727	Houston Health Dept.	Houston Health Dept.	Ryker Penn, Pamela Brown, Adolpho Lara
EPI_ISL_1168757, EPI_ISL_1168758, EPI_ISL_1168759, EPI_ISL_1168760, EPI_ISL_1168761	Tempus	Grubaugh Lab - Yale School of Public Health	Tara Alpert, Joseph Fauver, Anderson Brito, Mallory Breban, Anne Wylie, Chantal Vogels, Mary Petrone, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_1169490	OR State PHL-Virology/Immunology Section	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Ying Tao, Jing Zhang, Anna Uehara, Anna Montmayeur, Clinton R. Paden, Peter W. Cook, Rachel Marine, Mili Sheth, Jasmine Padilla, Sarah Nobles, Mark Burroughs, Lori Rowe, Haibin Wang, Ben L. Rambo-Martin, Dhwani Batra, Justin Lee, Suxiang Tong
EPI_ISL_1177723, EPI_ISL_1177724	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_1177914	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscox, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1178158, EPI_ISL_1178159, EPI_ISL_1178160, EPI_ISL_1178162, EPI_ISL_1178163, EPI_ISL_1178164, EPI_ISL_1178165, EPI_ISL_1178166, EPI_ISL_1178167, EPI_ISL_1178168, EPI_ISL_1178206	see above	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_1178498, EPI_ISL_1178502, EPI_ISL_1178503, EPI_ISL_1178505, EPI_ISL_1178515	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. Mathers, John Ward, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1178773, EPI_ISL_1178805	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_1180058	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_1181346	U.O. Genomics, S.S. Genetics and Advanced Omics Techniques, Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d'Aosta	U.O. Genomics, S.S. Genetics and Advanced Omics Techniques, Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d'Aosta	Chiara Beltramo, Elena Bozzetta, Pier Luigi Acutis, Simone Peletto
EPI_ISL_1181946, EPI_ISL_1181947	Azienda Ospedaliero - Universitaria di Modena Policlinico - Virologia e Microbiologia Molecolare	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Risk Analysis and Genomic Epidemiology Unit	Monica Pecorari, William Gennari, Giulia Fregni Serpini, Marina Morganti, Ilaria Menozzi, Erika Scaltriti, Stefano Pongolini
EPI_ISL_1182835, EPI_ISL_1182841, EPI_ISL_1182892, EPI_ISL_1182904, EPI_ISL_1182907, EPI_ISL_1182915, EPI_ISL_1182918, EPI_ISL_1182945, EPI_ISL_1182979, EPI_ISL_1182980, EPI_ISL_1182981, EPI_ISL_1182982, EPI_ISL_1182983, EPI_ISL_1182984, EPI_ISL_1182985, EPI_ISL_1182986, EPI_ISL_1182987, EPI_ISL_1183024, EPI_ISL_1183076, EPI_ISL_1183083, EPI_ISL_1183084, EPI_ISL_1183085, EPI_ISL_1183087, EPI_ISL_1183088, EPI_ISL_1183089, EPI_ISL_1183090, EPI_ISL_1183091, EPI_ISL_1183092, EPI_ISL_1183093, EPI_ISL_1183094, EPI_ISL_1183095, EPI_ISL_1183096, EPI_ISL_1183097, EPI_ISL_1183098, EPI_ISL_1183099, EPI_ISL_1183100, EPI_ISL_1183116	see above	Public Health Ontario Laboratory	Vanessa G Allen, Philip Banh, Yao Chen, Richard de Borja, Alireza Eshaghi, Nahuel Fittipaldi, Christine Frantz, Jonathan B Gubbay, Jennifer L Guthrie, Lawrence Heisler, Esha Joshi, Michael Laszloffy, Aimin Li, Michael CY Li, Dean Maxwell, Sandeep Nagra, Samir N Patel, Jared Simpson, Karthikeyan Sivaraman, Ashleigh Sullivan, Yogi Sundaravadanam, Sarah Teatero, Andre Villegas, Matthew Watson, Sandra Zitterman
EPI_ISL_1190727	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_1190867	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_1191682	HOPITAL UNIVERSITAIRE DE FORT DE FRANCE	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1192193	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 Vollen, Karoline Bragstad, Olav Hungenes
EPI_ISL_1193262, EPI_ISL_1193263, EPI_ISL_1193264, EPI_ISL_1193265, EPI_ISL_1193266, EPI_ISL_1193267, EPI_ISL_1193268, EPI_ISL_1193269, EPI_ISL_1193270, EPI_ISL_1193272, EPI_ISL_1193273, EPI_ISL_1193278, EPI_ISL_1193279, EPI_ISL_1193280, EPI_ISL_1193281, EPI_ISL_1193282, EPI_ISL_1193289, EPI_ISL_1193290	see above	Public Health Ontario Laboratory	

see above	Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Minoo Agarwal, Eyad Almasri Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Clinton R. Paden, Suxiang Tong, Duncan Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, MacCannell
EPI_ISL_1194379, EPI_ISL_1194381, EPI_ISL_1194383, EPI_ISL_1194384, EPI_ISL_1194385, EPI_ISL_1194388, EPI_ISL_1194390, EPI_ISL_1194391, EPI_ISL_1194392, EPI_ISL_1194393, EPI_ISL_1194395, EPI_ISL_1194396, EPI_ISL_1194398, EPI_ISL_1194399, EPI_ISL_1194400, EPI_ISL_1194401, EPI_ISL_1194402, EPI_ISL_1194403, EPI_ISL_1194404, EPI_ISL_1194412			
see above	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_1195366, EPI_ISL_1195376	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_1196428	CLINICA BIBLICA	Incienza, Instituto Costarricense de Investigación y Enseñanza en Nutrición y Salud	Francisco Duarte, Hebleen Porras, Claudio Soto-Garita, Estela Cordero, Adriana Godínez, Melany Calderón & Karla Gutiérrez-González
EPI_ISL_1196877, EPI_ISL_1196878	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_1198029, EPI_ISL_1198062, EPI_ISL_1198063, EPI_ISL_1198064, EPI_ISL_1198067, EPI_ISL_1198068, EPI_ISL_1198069, EPI_ISL_1198129, EPI_ISL_1198137, EPI_ISL_1198138, EPI_ISL_1198139, EPI_ISL_1198140, EPI_ISL_1198141, EPI_ISL_1198142, EPI_ISL_1198143, EPI_ISL_1198144, EPI_ISL_1198273			
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_1198918	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_1199733, EPI_ISL_1199744, EPI_ISL_1199759, EPI_ISL_1199760, EPI_ISL_1199761, EPI_ISL_1199776, EPI_ISL_1199777, EPI_ISL_1199778, EPI_ISL_1199779, EPI_ISL_1199780, EPI_ISL_1199781, EPI_ISL_1199782, EPI_ISL_1199783, EPI_ISL_1199784, EPI_ISL_1199786, EPI_ISL_1199787, EPI_ISL_1199788, EPI_ISL_1199789, EPI_ISL_1199790, EPI_ISL_1199792, EPI_ISL_1199810, EPI_ISL_1199821, EPI_ISL_1199822, EPI_ISL_1199823, EPI_ISL_1199824, EPI_ISL_1199825, EPI_ISL_1199826, EPI_ISL_1199827			
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_1200838, EPI_ISL_1200839, EPI_ISL_1200840, EPI_ISL_1200841, EPI_ISL_1200842, EPI_ISL_1200845	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_1201881	Tempus	Grubaugh Lab - Yale School of Public Health	Mary Petrone, Joseph Fauver, Tara Alpert, Anderson Brito, Mallory Breban, Anne Wyllie, Chantal Vogels, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_1208598, EPI_ISL_1208604, EPI_ISL_1208605, EPI_ISL_1208606, EPI_ISL_1208634, EPI_ISL_1208642	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 Casadellà, Cristina Casañ, Gemma Clara, Irina Pey, Jordi Barreina, Bonaventura Clotet, Cristina Esteban, Montserrat Giménez, Anna Not, Roger Paredes, Mariona Parera, Verónica Saludes, Alba Sánchez, Jose Francisco Sánchez, Lauro Sumoy, and Elisa Martí on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.
EPI_ISL_1209026, EPI_ISL_1209027, EPI_ISL_1209028	Labor Dr. Wisplinghoff	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Philipp Niklas Ostermann, Greta Flüh, Nathalie Jazmati, Hilmar Wisplinghoff, Maximilian Damagnez, Alexander Diltthey, Torsten Houwaart, Lisanna Hülse, Nadine Lübke, Jessica Nicolai, Klaus Pfeffer, Daniel Strelow, Jörg Timm, Andreas Walker, Heiner Schaal
EPI_ISL_1209378, EPI_ISL_1209379	LAM DIAGNOVIE RONCHIN	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1209588, EPI_ISL_1209611, EPI_ISL_1209760, EPI_ISL_1209761, EPI_ISL_1209762, EPI_ISL_1209763, EPI_ISL_1209764, EPI_ISL_1209765, EPI_ISL_1209766, EPI_ISL_1209767, EPI_ISL_1209768, EPI_ISL_1209769, EPI_ISL_1209770, EPI_ISL_1209771, EPI_ISL_1209870			
see above	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zitzelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissán, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Oma Mor
EPI_ISL_1211903, EPI_ISL_1211921, EPI_ISL_1211925	Labor ZOTZ KLIMAS; MVZ Düsseldorf-Centrum	Robert Koch Institute	unknown
EPI_ISL_1214247, EPI_ISL_1214250, EPI_ISL_1214295, EPI_ISL_1214305, EPI_ISL_1214308, EPI_ISL_1214324, EPI_ISL_1214329, EPI_ISL_1214395, EPI_ISL_1214396, EPI_ISL_1214398, EPI_ISL_1214399, EPI_ISL_1214472, EPI_ISL_1214487, EPI_ISL_1214545, EPI_ISL_1214573, EPI_ISL_1214650, EPI_ISL_1214651, EPI_ISL_1214653, EPI_ISL_1214731, EPI_ISL_1214836, EPI_ISL_1214935, EPI_ISL_1215041, EPI_ISL_1215068, EPI_ISL_1215117, EPI_ISL_1215182, EPI_ISL_1215202, EPI_ISL_1215224			
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 Megías Lobón, María Antonia García Castro, Carmen Gimeno Crespo, Noelia Arenal Andrés, Carlos Fuster Foz, M. Isabel Fernandez-Natal, Jose María Eiros Bouza
EPI_ISL_1218037	Klinikum Ernst von Bergmann gemeinnützige GmbH - stationärer Bereich	Robert Koch Institute	unknown
EPI_ISL_1218112	Labor ZOTZ KLIMAS; MVZ Düsseldorf-Centrum	Robert Koch Institute	unknown
EPI_ISL_1224914, EPI_ISL_1224916	Houston Health Dept.	Houston Health Dept.	Ryker Penn, Pamela Brown, Adolpho Lara
EPI_ISL_1224950	Klinisk mikrobiologi, Region Västerbotten	CBRN Defence and Security, Swedish Defence Research Agency	Andreas Sjödin, Linda Karlsson, Emelie Näslund Salomonsson, Jonas Näslund, Stina Bäckman, Malin Granberg, Ingrid Dacklin, Anna-Lena Johansson, Kerstin Myrtenäs, David Sundell, Caroline Öhrman, Mats Forsman, Annika Allard, Annika Osterman
EPI_ISL_1225013	Texas Department of State Health Services	Texas Department of State Health Services	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1225640, EPI_ISL_1225654	Connecticut DPH	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallory Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Anthony Muymombwe, Randy Downing, Jafar Razeq, Stephen M. Bart, Nathan Grubaugh
EPI_ISL_1229948, EPI_ISL_1229962, EPI_ISL_1229968, EPI_ISL_1229979, EPI_ISL_1230001, EPI_ISL_1230047, EPI_ISL_1230050, EPI_ISL_1230051, EPI_ISL_1230058, EPI_ISL_1230062, EPI_ISL_1230071, EPI_ISL_1230075, EPI_ISL_1230076, EPI_ISL_1230077, EPI_ISL_1230093, EPI_ISL_1230094, EPI_ISL_1230095, EPI_ISL_1230096, EPI_ISL_1230097, EPI_ISL_1230098, EPI_ISL_1230099, EPI_ISL_1230100, EPI_ISL_1230105, EPI_ISL_1230106, EPI_ISL_1230110, EPI_ISL_1230111, EPI_ISL_1230112, EPI_ISL_1230114, EPI_ISL_1230115, EPI_ISL_1230116, EPI_ISL_1230117, EPI_ISL_1230118, EPI_ISL_1230119, EPI_ISL_1230120, EPI_ISL_1230121, EPI_ISL_1230122, EPI_ISL_1230123, EPI_ISL_1230124, EPI_ISL_1230125, EPI_ISL_1230126, EPI_ISL_1230128, EPI_ISL_1230129, EPI_ISL_1230130, EPI_ISL_1230131, EPI_ISL_1230132, EPI_ISL_1230133, EPI_ISL_1230134, EPI_ISL_1230138, EPI_ISL_1230139, EPI_ISL_1230152, EPI_ISL_1230153, EPI_ISL_1230155, EPI_ISL_1230156, EPI_ISL_1230157, EPI_ISL_1230158, EPI_ISL_1230159, EPI_ISL_1230160, EPI_ISL_1230161, 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EPI_ISL_1231540, EPI_ISL_1231621, EPI_ISL_1231622, EPI_ISL_1231624, EPI_ISL_1231625		National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1233309		Massachusetts State Public Health Laboratory	Massachusetts State Public Health Laboratory	Andrew Lang, Timelia Fink, Glen Gallagher, Sandra Smole
EPI_ISL_1233565, EPI_ISL_1233566, EPI_ISL_1233568, EPI_ISL_1233573		National Center for Infectious and Parasitic Diseases (NCIPD)	National Center for Infectious and Parasitic Diseases (NCIPD)	Alexiev et al
EPI_ISL_1235057		Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Cihahub Consortium
EPI_ISL_1235770, EPI_ISL_1235783, EPI_ISL_1235869		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_1239393		Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Broa Brejová, Viktória abanová, Kristína Boršová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáček, Martina Liková, ubomíra Lukáiková, Martina Nebohaová, Monika Sláviková, Tomáš Vína, Jozef Nosek, Boris Klempa
EPI_ISL_1242050, EPI_ISL_1242110, EPI_ISL_1242158, EPI_ISL_1242168, EPI_ISL_1242198, EPI_ISL_1242228, EPI_ISL_1242254, EPI_ISL_1242264		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_1245398		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_1247694		Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colqhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1247826		Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscoc, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1248190, EPI_ISL_1248198, EPI_ISL_1248258, EPI_ISL_1248260, EPI_ISL_1248264, EPI_ISL_1248266		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, Leyssa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_1248830, EPI_ISL_1248831, EPI_ISL_1248832		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_1248998		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_1249210, EPI_ISL_1249213, EPI_ISL_1249214, EPI_ISL_1249229, EPI_ISL_1249230, EPI_ISL_1249233, EPI_ISL_1249236, EPI_ISL_1249238, EPI_ISL_1249240		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_1249254, EPI_ISL_1249255, EPI_ISL_1249256		Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscoc, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1250296		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_1250604		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_1251943, EPI_ISL_1251945, EPI_ISL_1251946, EPI_ISL_1251947, EPI_ISL_1251949		Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Eishaug, García 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_1259019		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_1260669, EPI_ISL_1260670, EPI_ISL_1260672, EPI_ISL_1260675, EPI_ISL_1260676, EPI_ISL_1260679, EPI_ISL_1260681, EPI_ISL_1260682, EPI_ISL_1260685, EPI_ISL_1260686		Azienda Sanitaria Locale di Piacenza - Presidio Ospedaliero - Laboratorio di Microbiologia	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Risk Analysis and Genomic Epidemiology Unit	Lo Cascio Giuliana, Schiavo Roberta, Peroni Irene, Marina Morganti, Ilaria Menozzi, Erika Scaltriti, Stefano Pongolini
EPI_ISL_1262087, EPI_ISL_1262090		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_1268658, EPI_ISL_1268759, EPI_ISL_1268761		Laborzentrum Weser	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1272485		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, Víctor Manuel de la Cueva, Julia Suárez,

Pilar Catalán, Patricia Muñoz and SeqCOVID-SPAIN consortium			
EPI_ISL_1273461, EPI_ISL_1273658, EPI_ISL_1273659, EPI_ISL_1273663, EPI_ISL_1273664, EPI_ISL_1273669, EPI_ISL_1273670, EPI_ISL_1273672, EPI_ISL_1273673	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_1273772	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_1278029, EPI_ISL_1278032, EPI_ISL_1278046	Private lab	Lithuanian University of Health Sciences	Arnoldas Pautienius, Kamile Tamusauskaite, Gediminas Alzbutas, Dovydas Gecys, Lukas Zemaitis, Vaiva Lesauskaite
EPI_ISL_1278375, EPI_ISL_1278377, EPI_ISL_1278379, EPI_ISL_1278380, EPI_ISL_1278381, EPI_ISL_1278382, EPI_ISL_1278383, EPI_ISL_1278386, EPI_ISL_1278387, EPI_ISL_1278388, EPI_ISL_1278389, EPI_ISL_1278393, EPI_ISL_1278394, EPI_ISL_1278395, EPI_ISL_1278400, EPI_ISL_1278405, EPI_ISL_1278410, EPI_ISL_1278416, EPI_ISL_1278423, EPI_ISL_1278427, EPI_ISL_1278428, EPI_ISL_1278433, EPI_ISL_1278434, EPI_ISL_1278435, EPI_ISL_1278437, EPI_ISL_1278441, EPI_ISL_1278444, EPI_ISL_1278445, EPI_ISL_1278449, EPI_ISL_1278451, EPI_ISL_1278452, EPI_ISL_1278456, EPI_ISL_1278457, EPI_ISL_1278459, EPI_ISL_1278461, EPI_ISL_1278463, EPI_ISL_1278467, EPI_ISL_1278471, EPI_ISL_1278474, EPI_ISL_1278484, EPI_ISL_1278485, EPI_ISL_1278492, EPI_ISL_1278495, EPI_ISL_1278496, EPI_ISL_1278501, EPI_ISL_1278502, EPI_ISL_1278504, EPI_ISL_1278506, EPI_ISL_1278547, EPI_ISL_1278548, EPI_ISL_1278549, EPI_ISL_1278550, EPI_ISL_1278556, EPI_ISL_1278557, EPI_ISL_1278558, EPI_ISL_1278559, EPI_ISL_1278560, EPI_ISL_1278561, EPI_ISL_1278610, EPI_ISL_1278765, EPI_ISL_1278766, EPI_ISL_1278767, EPI_ISL_1278768, EPI_ISL_1278769, EPI_ISL_1278770, EPI_ISL_1278771, EPI_ISL_1278772, EPI_ISL_1278773, EPI_ISL_1278774, EPI_ISL_1278796, EPI_ISL_1278801, EPI_ISL_1278828, EPI_ISL_1278848, EPI_ISL_1278859, EPI_ISL_1278861, EPI_ISL_1278865, EPI_ISL_1278868, EPI_ISL_1278870, EPI_ISL_1278872, EPI_ISL_1278873, EPI_ISL_1278875, EPI_ISL_1278879, EPI_ISL_1278883, EPI_ISL_1278886, EPI_ISL_1278887, EPI_ISL_1278895, EPI_ISL_1278899			
see above	Clalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1278947, EPI_ISL_1278975, EPI_ISL_1278988, EPI_ISL_1278989, EPI_ISL_1278990, EPI_ISL_1278991, EPI_ISL_1278993, EPI_ISL_1278994, EPI_ISL_1278995, EPI_ISL_1278998, EPI_ISL_1278999, EPI_ISL_1279000, EPI_ISL_1279001, EPI_ISL_1279002, EPI_ISL_1279003, EPI_ISL_1279010, EPI_ISL_1279012, EPI_ISL_1279014, EPI_ISL_1279016, EPI_ISL_1279017, EPI_ISL_1279028, EPI_ISL_1279031, EPI_ISL_1279032, EPI_ISL_1279033, EPI_ISL_1279034, EPI_ISL_1279035, EPI_ISL_1279036, EPI_ISL_1279037, EPI_ISL_1279041, EPI_ISL_1279045, EPI_ISL_1279048, EPI_ISL_1279053, EPI_ISL_1279057, EPI_ISL_1279058, EPI_ISL_1279105, EPI_ISL_1279116			
see above	Department of Virology and Immunology, University of Helsinki and Helsinki University Hospital, Huslab Finland	Department of Virology, Faculty of Medicine, University of Helsinki, Helsinki, Finland	Teemu Smura, Ravi Kant, Phuoc Truong, Hussein Alburkat, Hannimari Kallio-Kokko, Jenni Virtanen, Maija Suvanto, Essi Korhonen, Sari Hannula, Harri Kangas, Hanna Liimatainen, Satu Kurkela, Hanna Jarva, Maija Lappalainen, Pekka Ellonen, Olli Vapalahti
EPI_ISL_1291318, EPI_ISL_1291336, EPI_ISL_1291337, EPI_ISL_1291339, EPI_ISL_1291357, EPI_ISL_1291376	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1296602, EPI_ISL_1296627	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_1297261, EPI_ISL_1297267, EPI_ISL_1297400	BIOMNIS PARIS	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_1297454, EPI_ISL_1297455	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_1297831, EPI_ISL_1297832, EPI_ISL_1297833, EPI_ISL_1297834, EPI_ISL_1297835, EPI_ISL_1297836, EPI_ISL_1297837, EPI_ISL_1297838, EPI_ISL_1297839, EPI_ISL_1297840, EPI_ISL_1297842, EPI_ISL_1297843, EPI_ISL_1297844, EPI_ISL_1297845, EPI_ISL_1297846, EPI_ISL_1297847, EPI_ISL_1297848, EPI_ISL_1297849, EPI_ISL_1297850			
see above	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_1299574, EPI_ISL_1299578, EPI_ISL_1299580, EPI_ISL_1299592, EPI_ISL_1299593, EPI_ISL_1299594, EPI_ISL_1299601, EPI_ISL_1299602, EPI_ISL_1299613, EPI_ISL_1299614, EPI_ISL_1299617, EPI_ISL_1299621, EPI_ISL_1299622, EPI_ISL_1299624, EPI_ISL_1299625, EPI_ISL_1299627, EPI_ISL_1299629, EPI_ISL_1299631, EPI_ISL_1299635, EPI_ISL_1299636, EPI_ISL_1299638, EPI_ISL_1299639, EPI_ISL_1299641, EPI_ISL_1299647, EPI_ISL_1299649, EPI_ISL_1299650, EPI_ISL_1299651, EPI_ISL_1299652, EPI_ISL_1299657, EPI_ISL_1299658, EPI_ISL_1299659, EPI_ISL_1299660, EPI_ISL_1299661, EPI_ISL_1299664, EPI_ISL_1299665, EPI_ISL_1299666, EPI_ISL_1299668, EPI_ISL_1299674, EPI_ISL_1299675, EPI_ISL_1299701, EPI_ISL_1299703, EPI_ISL_1299707, EPI_ISL_1299709			
see above	Microbiology, Department of Pathology, St. Bernard's Hospital, Gibraltar Health Authority	Respiratory Virus Unit, National Infection Service, Public Health England	PHE Covid Sequencing Team, Dr Nicholas Cortes (Gibraltar), Charlotte Gillborn-Jones (Gibraltar)
EPI_ISL_1299858	Unit of lab surveillance of viral emerging diseases, National Lab of Influenza	Respiratory Virus Unit, National Infection Service, Public Health England	PHE Covid Sequencing Team, Iris Hasibra, Prof Silvia Bino, Prof Albana Fico
EPI_ISL_1300356, EPI_ISL_1300368, EPI_ISL_1300379, EPI_ISL_1300405	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_1301989, EPI_ISL_1301990, EPI_ISL_1302055	National Center of Infectious and Parasitic Diseases	National Center of Infectious and Parasitic Diseases	Alexiev et al
EPI_ISL_1302402, EPI_ISL_1302403, EPI_ISL_1302404, EPI_ISL_1302406, EPI_ISL_1302407, EPI_ISL_1302408, EPI_ISL_1302409, EPI_ISL_1302410, EPI_ISL_1302411, EPI_ISL_1302412, EPI_ISL_1302413, EPI_ISL_1302414, EPI_ISL_1302415, EPI_ISL_1302416, EPI_ISL_1302417, EPI_ISL_1302418, EPI_ISL_1302419, EPI_ISL_1302420, EPI_ISL_1302421, EPI_ISL_1302422, EPI_ISL_1302423, EPI_ISL_1302424, EPI_ISL_1302425, EPI_ISL_1302426, EPI_ISL_1302427, EPI_ISL_1302428, EPI_ISL_1302429, EPI_ISL_1302430, EPI_ISL_1302431, EPI_ISL_1302433, EPI_ISL_1302434, EPI_ISL_1302435, EPI_ISL_1302436, EPI_ISL_1302438, EPI_ISL_1302439, EPI_ISL_1302440, EPI_ISL_1302441, EPI_ISL_1302442			
see above	SC Microbiologia e Virologia AOUSS	AMES Centro Poldiagnostico Strumentale S.r.l.	Salvatore Rubino; Flavia Angioi; Laura Firino; Rosalba Govoni; Gabriele Ibba; Vincenzo Lai; Erica Mura; Bianca Paglietti; Claudia Piu; Anna Puggioni; Elena Rimini; Giulia Rocca; Caterina Serra; Sergio Uzzau.
EPI_ISL_1303381	Klinisk mikrobiologi, Region Västerbotten	CBRN Defence and Security, Swedish Defence Research Agency	Andreas Sjödin, Linda Karlsson, Emelie Näslund Salomonsson, Jonas Näslund, Stina Bäckman, Malin Granberg, Ingrid Dacklin, Anna-Lena Johansson, Kerstin Myrtenäs, David Sundell, Caroline Öhrman, Mats Forsman, Annika Allard, Annika Osterman
EPI_ISL_1308541, EPI_ISL_1308542, EPI_ISL_1308545, EPI_ISL_1308565, EPI_ISL_1308581	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_1308707, EPI_ISL_1308708, EPI_ISL_1308837, EPI_ISL_1308840	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_1309043, EPI_ISL_1309056, EPI_ISL_1309067, EPI_ISL_1309072, EPI_ISL_1309073	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_1309674	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 Masri, 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_1309782	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_1311035, EPI_ISL_1311113, EPI_ISL_1311114	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_1311928, EPI_ISL_1311941	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_1311976, EPI_ISL_1311977, EPI_ISL_1311978, EPI_ISL_1311979, EPI_ISL_1311980, EPI_ISL_1311981, EPI_ISL_1311982, EPI_ISL_1311983, EPI_ISL_1311984, EPI_ISL_1311985, EPI_ISL_1311986, EPI_ISL_1311987, EPI_ISL_1311988, EPI_ISL_1311992, EPI_ISL_1311993, EPI_ISL_1311995, EPI_ISL_1311996			

see above	"Dr. Andrija Stampar" Teaching Institute of Public Health	Croatian Institute of Public Health	Irena Tabain, Ivana Ferenak
EPI_ISL_1312120	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_1313049, EPI_ISL_1313050, EPI_ISL_1313051	LABOSUD PROVENCE	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_1313052	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_1313150	LABOSUD PROVENCE	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_1315012	National Institute of Public Health	National Institute of Public Health	Helena Jirincova, Jaromira Vecerova, Timotej Suri, Dusan Trnka, Alexander Nagy
EPI_ISL_1317241, EPI_ISL_1317254	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1317301	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_1317302	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_1317303, EPI_ISL_1317304, EPI_ISL_1317305	Akershus University Hospital, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Garcia Llorente Ignacio, Jon Bråte, Engebretsen Serina Beate,Pedersen Benedikte Nevjen, Debech Nadia, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_1321613, EPI_ISL_1321619	LADR GmbH MVZ Dr. Kramer & Kollegen Geesthacht	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1321811	TXDSHS	TXDSHS	Rashmi Tuladhar, Bonnie Oh, Jenny Zhang, Maliha Rahman, Mayela Pedrueza, Anita Pokharel, Myong Koag, Chun Wang, Rachel Lee, Grace Kubin
EPI_ISL_1323551, EPI_ISL_1323555	CHU LILLE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323556	CH ROUBAIX	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323557	CH TOURCOING	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323558	CH CAMBRAI	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323559	CH ARRAS	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323560, EPI_ISL_1323561	CHU LILLE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323562	CH SECLIN	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323565	CHU LILLE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323566	CH VALENCIENNES	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323567, EPI_ISL_1323568	CH ARMENTIERES	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323569	CH BETHUNE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323570	CH CALAIS	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323571, EPI_ISL_1323572	CHU LILLE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1323573	CH DUNKERQUE	CHU Lille - Laboratoire de Virologie	AIT YAHYA Emilie, ALIDJINOU 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_1324044, EPI_ISL_1324045	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_1334515	Lab voor klinische biologie	Lab voor klinische biologie	Marija Janevska, Hannelore Hamerlinck, Bruno Verhasselt
EPI_ISL_1334602, EPI_ISL_1334605, EPI_ISL_1334606, EPI_ISL_1334608, EPI_ISL_1334609, EPI_ISL_1334610, EPI_ISL_1334612, EPI_ISL_1334614, EPI_ISL_1334619, EPI_ISL_1334624, EPI_ISL_1334626, EPI_ISL_1334628, EPI_ISL_1334629, EPI_ISL_1334630, EPI_ISL_1334631, EPI_ISL_1334632, EPI_ISL_1334633, EPI_ISL_1334635, EPI_ISL_1334636, EPI_ISL_1334637, EPI_ISL_1334640, EPI_ISL_1334645, EPI_ISL_1334652, EPI_ISL_1334654, EPI_ISL_1334655, EPI_ISL_1334656, EPI_ISL_1334657, EPI_ISL_1334658, EPI_ISL_1334660, EPI_ISL_1334661, EPI_ISL_1334662, EPI_ISL_1334663, EPI_ISL_1334664, EPI_ISL_1334665, EPI_ISL_1334666, EPI_ISL_1334667, EPI_ISL_1334668, EPI_ISL_1334669, EPI_ISL_1334670, EPI_ISL_1334671, EPI_ISL_1334673, EPI_ISL_1334674, EPI_ISL_1334675, EPI_ISL_1334676, EPI_ISL_1334677, EPI_ISL_1334678, EPI_ISL_1334679, EPI_ISL_1334680, EPI_ISL_1334681, EPI_ISL_1334682, EPI_ISL_1334683, EPI_ISL_1334684, EPI_ISL_1334685, EPI_ISL_1334686, EPI_ISL_1334687, EPI_ISL_1334688, EPI_ISL_1334689, EPI_ISL_1334690, 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CY Li, Dean Maxwell, Sandeep Nagra, Samir N Patel, Jared Simpson, Karthikeyan Sivaraman, Ashleigh Sullivan, Yogi Sundaravadanann, Sarah Teatero, Andre Villegas, Matthew Watson, Sandra Zittermann		
see above	Public Health Ontario Laboratory	Public Health Ontario Laboratory	unknown
EPI_ISL_1348502	Universitätsklinikum Heidelberg	Robert Koch Institute	unknown

EPI_ISL_1358555, EPI_ISL_1358561, EPI_ISL_1358563, EPI_ISL_1358565, EPI_ISL_1358566, EPI_ISL_1358567, EPI_ISL_1358568, EPI_ISL_1358570, EPI_ISL_1358571, EPI_ISL_1358572, EPI_ISL_1358573, EPI_ISL_1358574, EPI_ISL_1358575, EPI_ISL_1358577, EPI_ISL_1358578, EPI_ISL_1358579, EPI_ISL_1358580, EPI_ISL_1358581, EPI_ISL_1358582, EPI_ISL_1358583, EPI_ISL_1358585, EPI_ISL_1358586, EPI_ISL_1358589, EPI_ISL_1358590, EPI_ISL_1358591, EPI_ISL_1358592, EPI_ISL_1358593, EPI_ISL_1358595	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_1358957	Hennepin County Medical Center	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang	
EPI_ISL_1359788, EPI_ISL_1359845, EPI_ISL_1359846	BIOMNIS PARIS	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_1359969	HOPITAL NOTRE-DAME LA MISERICORDE	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_1359970	LABORATOIRE FORESTIER	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_1359971	HOPITAL UNIVERSITAIRE DE FORT DE FRANCE	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Regue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset	
EPI_ISL_1364300, EPI_ISL_1364301, EPI_ISL_1364302, EPI_ISL_1364303, EPI_ISL_1364304	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_1368014, EPI_ISL_1368015, EPI_ISL_1368016, EPI_ISL_1368017, EPI_ISL_1368018, EPI_ISL_1368019, EPI_ISL_1368020, EPI_ISL_1368021, EPI_ISL_1368022, EPI_ISL_1368023, EPI_ISL_1368026, EPI_ISL_1368027, EPI_ISL_1368028, EPI_ISL_1368029, EPI_ISL_1368030, EPI_ISL_1368031, EPI_ISL_1368032, EPI_ISL_1368033, EPI_ISL_1368034, EPI_ISL_1368035, EPI_ISL_1368036, EPI_ISL_1368037, EPI_ISL_1368038, EPI_ISL_1368039, EPI_ISL_1368040, EPI_ISL_1368041, EPI_ISL_1368042, EPI_ISL_1368043, EPI_ISL_1368044, EPI_ISL_1368045, EPI_ISL_1368046, EPI_ISL_1368047, EPI_ISL_1368048, EPI_ISL_1368049, EPI_ISL_1368050, EPI_ISL_1368051, EPI_ISL_1368052, EPI_ISL_1368053, EPI_ISL_1368054, EPI_ISL_1368055, EPI_ISL_1368056, EPI_ISL_1368057, EPI_ISL_1368058, EPI_ISL_1368059, EPI_ISL_1368060, EPI_ISL_1368061, EPI_ISL_1368062, EPI_ISL_1368063, EPI_ISL_1368064, EPI_ISL_1368065, EPI_ISL_1368066, EPI_ISL_1368067, EPI_ISL_1368068, EPI_ISL_1368069, EPI_ISL_1368070, EPI_ISL_1368071, EPI_ISL_1368072, EPI_ISL_1368073, 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EPI_ISL_1370321, EPI_ISL_1370334	Dr. Bard	Lausanne, Switzerland Laboratory of genomics and metagenomics, Institute of Microbiology, University Hospital Centre and University of Lausanne, Switzerland	Trestan Pillonel, Damien Jacot, Sébastien Aeby, Gilbert Greub, Claire Bertelli
EPI_ISL_1373839, EPI_ISL_1373859, EPI_ISL_1373871	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, Suixiang Tong
EPI_ISL_1379270, EPI_ISL_1379271, EPI_ISL_1379272, EPI_ISL_1379273, EPI_ISL_1379275, EPI_ISL_1379276, EPI_ISL_1379278, EPI_ISL_1379280, EPI_ISL_1379285, EPI_ISL_1379289, EPI_ISL_1379292, EPI_ISL_1379293, EPI_ISL_1379298, EPI_ISL_1379305, EPI_ISL_1379310, EPI_ISL_1379311, EPI_ISL_1379314, EPI_ISL_1379315, EPI_ISL_1379316, EPI_ISL_1379317, EPI_ISL_1379318, EPI_ISL_1379329, EPI_ISL_1379333, EPI_ISL_1379334			
see above	Hackensack Meridian Health	New York Genome Center	Michael Zody, Andre Corvelo, Dayna M. Oschwald, Samantha Fennessey, Tom Maniatis, Liang Chen, Jose Mediavilla, Marcus Cunningham, Kaelea Composto, Kar Chow, David Perlin, Barry Kreiswirth
EPI_ISL_1379431	LABORATORIO CLINICO LABIN	Incinsa, Instituto Costarricense de Investigación y Enseñanza en Nutrición y Salud	Francisco Duarte, Hebleen Porras, Claudio Soto-Garita, Estela Cordero, Adriana Godínez, Melany Calderón & Pei Ling Chan Ma
EPI_ISL_1382857, EPI_ISL_1382858, EPI_ISL_1382859, EPI_ISL_1382860, EPI_ISL_1382861, EPI_ISL_1382862, EPI_ISL_1382863	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_1383370, EPI_ISL_1383371, EPI_ISL_1383372, EPI_ISL_1383373, EPI_ISL_1383374, EPI_ISL_1383382, EPI_ISL_1383384, EPI_ISL_1383385, EPI_ISL_1383386, EPI_ISL_1383391, EPI_ISL_1383392, EPI_ISL_1383393, EPI_ISL_1383394, EPI_ISL_1383395, EPI_ISL_1383396, EPI_ISL_1383398, EPI_ISL_1383399, EPI_ISL_1383402, EPI_ISL_1383403, EPI_ISL_1383404			
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_1383849, EPI_ISL_1383854, EPI_ISL_1383856, EPI_ISL_1383859	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_1384561, EPI_ISL_1384580, EPI_ISL_1384583	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_1387226, EPI_ISL_1387227	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_1388377, EPI_ISL_1388380, EPI_ISL_1388382	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_1388444	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_1388560	Viollier AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Christiane Beckmann, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_1388603	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_1388736, EPI_ISL_1388738, EPI_ISL_1388739	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_1391277, EPI_ISL_1391281, EPI_ISL_1391282, EPI_ISL_1391284, EPI_ISL_1391287, EPI_ISL_1391299, EPI_ISL_1391317, EPI_ISL_1391322, EPI_ISL_1391324, EPI_ISL_1391334, EPI_ISL_1391338, EPI_ISL_1391342, EPI_ISL_1391346, EPI_ISL_1391350, EPI_ISL_1391358, EPI_ISL_1391370			
see above	Motol University Hospital	Institute of Applied Biotechnologies a.s.	Petr Klemp, Ondej Brzo, Martin Kašný, Kateina Kvapilová, Pavel Devínek, Petr Kvapil
EPI_ISL_1392923, EPI_ISL_1392924, EPI_ISL_1392925, EPI_ISL_1392926, EPI_ISL_1392927, EPI_ISL_1392928, EPI_ISL_1392929, EPI_ISL_1392930, EPI_ISL_1392931, EPI_ISL_1392932, EPI_ISL_1392933, EPI_ISL_1392934, EPI_ISL_1392935, EPI_ISL_1392936, EPI_ISL_1392937, EPI_ISL_1392938, EPI_ISL_1392939, EPI_ISL_1392940, EPI_ISL_1392941, EPI_ISL_1392942, EPI_ISL_1392943			
see above	SC Microbiologia e Virologia AOUS	AMES Centro Poldiagnostico Strumentale S.r.l.	Salvatore Rubino; Flavia Angioi; Laura Firino; Rosalba Govoni; Gabriele Ibba; Vincenzo Lai; Erica Mura; Bianca Paglietti; Claudia Piu; Anna Puggioni; Elena Rimini; Giulia Rocca; Caterina Serra; Sergio Uzzau.
EPI_ISL_1394613	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_1399952	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1402342	CMBG FN Brno	CMBG FN Brno	Bezdicek M., Lengerova M., Svaton J.
EPI_ISL_1417617, EPI_ISL_1417618, EPI_ISL_1417867, EPI_ISL_1417868, EPI_ISL_1417869, EPI_ISL_1417870, EPI_ISL_1417871, EPI_ISL_1417872, EPI_ISL_1417873, EPI_ISL_1417874, EPI_ISL_1418113, EPI_ISL_1418137, EPI_ISL_1418537, EPI_ISL_1420351, EPI_ISL_1420567			
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_1423617, EPI_ISL_1423618, EPI_ISL_1423619, EPI_ISL_1423621, EPI_ISL_1423622, EPI_ISL_1423623, EPI_ISL_1423624, EPI_ISL_1423625, EPI_ISL_1423626, EPI_ISL_1423627, EPI_ISL_1423628, EPI_ISL_1423629, EPI_ISL_1423630, EPI_ISL_1423631, EPI_ISL_1423632			
see above	Hospital Universitario Marqués de Valdecilla - IDIVAL (Santander, Cantabria)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Mónica Gozalo Margüello, María Eleicer Cano García, Jose Manuel Méndez Legaza, Daniel Pablo Marcos, Jesús Rodríguez Rodríguez, María Siller Ruiz and SeqCOVID-SPAIN consortium
EPI_ISL_1423756, EPI_ISL_1423757, EPI_ISL_1423761	Servicio de Microbiología. Hospital Ramón y Cajal. (CIBERESP)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Jose Mª González-Alba, L. Olavarrieta, Val Fernández, Juan C Galán and SeqCOVID-SPAIN consortium
EPI_ISL_1424980, EPI_ISL_1425036, EPI_ISL_1425043, EPI_ISL_1425045	Clalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1425126, EPI_ISL_1425243	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_1425586	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_1425587	Saitama Prefectural Institute of Public Health	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Shigeru Tanjima, Eri Nakayama, Takahiro Maeki, Motohiko Ogawa, Chang-Kweng Lim, Makoto Kuroda
EPI_ISL_1425589	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, Shigeru Tanjima, Eri Nakayama, Takahiro Maeki, Motohiko Ogawa, Chang-Kweng Lim, Makoto Kuroda
EPI_ISL_1425590, EPI_ISL_1425592, EPI_ISL_1425594, EPI_ISL_1425597, EPI_ISL_1425598, EPI_ISL_1425600	SARS-CoV-2 testing team, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Tadashi Kikuchi, Hiroshi Ishii, Shigeru Kusagawa, Makoto Kuroda
EPI_ISL_1426576, EPI_ISL_1426577, EPI_ISL_1426578	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_1427582	SARS-CoV-2 testing team, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Daisuke Kobayashi, Kento Fukano, Hussein H. Aly, Takanobu Kato, , Makoto Kuroda
EPI_ISL_1435646	Clalit Health Services Laboratories, Israel	Stern Lab	Stern Lab
EPI_ISL_1442121, EPI_ISL_1442143	Azienda Ospedaliero - Universitaria di Modena Policlinico - Virologia e Microbiologia Molecolare	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Risk Analysis and Genomic Epidemiology Unit	Monica Pecorari, William Gennari, Giulia Fregni Serpini, Marina Morganti, Ilaria Menozzi, Erika Scaltriti, Stefano Pongolini
EPI_ISL_1443158, EPI_ISL_1443159, EPI_ISL_1443160, EPI_ISL_1443161, EPI_ISL_1443162, EPI_ISL_1443163, EPI_ISL_1443165, EPI_ISL_1443166, EPI_ISL_1443167, EPI_ISL_1443168, EPI_ISL_1443169			
see above	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Sede Territoriale di Modena	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER), Risk Analysis and Genomic Epidemiology Unit	Carra Elena, Gianluca Rugna, Marina Morganti, Ilaria Menozzi, Erika Scaltriti, Stefano Pongolini
EPI_ISL_1455865, EPI_ISL_1456994, EPI_ISL_1457011, EPI_ISL_1457021, EPI_ISL_1457047, EPI_ISL_1457075, EPI_ISL_1457526, EPI_ISL_1457609	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_1461127, EPI_ISL_1461132, EPI_ISL_1461133	BIOSELLAL	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_1463841, EPI_ISL_1463857, EPI_ISL_1463860, EPI_ISL_1463879, EPI_ISL_1463882, EPI_ISL_1463884, EPI_ISL_1463885, EPI_ISL_1463892, EPI_ISL_1463893, EPI_ISL_1463896, EPI_ISL_1463900, EPI_ISL_1463901, EPI_ISL_1463902, EPI_ISL_1463903, EPI_ISL_1463904, EPI_ISL_1463909, EPI_ISL_1463925, EPI_ISL_1463926, EPI_ISL_1463935, EPI_ISL_1463944, EPI_ISL_1463951, EPI_ISL_1463953, EPI_ISL_1463955, EPI_ISL_1463957, EPI_ISL_1463965, EPI_ISL_1463966, EPI_ISL_1463972, EPI_ISL_1463984, EPI_ISL_1463994, EPI_ISL_1463995, EPI_ISL_1463996, EPI_ISL_1464001, EPI_ISL_1464003, EPI_ISL_1464004, EPI_ISL_1464012, EPI_ISL_1464013, EPI_ISL_1464018, EPI_ISL_1464019, EPI_ISL_1464025, EPI_ISL_1464030, EPI_ISL_1464031, EPI_ISL_1464032, EPI_ISL_1464033, EPI_ISL_1464037, EPI_ISL_1464041, EPI_ISL_1464042, EPI_ISL_1464044, EPI_ISL_1464047, EPI_ISL_1464048, EPI_ISL_1464052, EPI_ISL_1464053, EPI_ISL_1464057, EPI_ISL_1464060, EPI_ISL_1464062, EPI_ISL_1464070, EPI_ISL_1464072, EPI_ISL_1464073, EPI_ISL_1464074, EPI_ISL_1464076, EPI_ISL_1464084, EPI_ISL_1464087, EPI_ISL_1464089, EPI_ISL_1464094, EPI_ISL_1464100, EPI_ISL_1464101, EPI_ISL_1464130, EPI_ISL_1464271, EPI_ISL_1464272, EPI_ISL_1464273, EPI_ISL_1464275, EPI_ISL_1464276, EPI_ISL_1464277, EPI_ISL_1464278, EPI_ISL_1464280, EPI_ISL_1464281, EPI_ISL_1464282, EPI_ISL_1464283, EPI_ISL_1464284, EPI_ISL_1464285, EPI_ISL_1464286, EPI_ISL_1464287, EPI_ISL_1464288, EPI_ISL_1464289, EPI_ISL_1464291, EPI_ISL_1464292, EPI_ISL_1464294, EPI_ISL_1464295, EPI_ISL_1464297, EPI_ISL_1464299, EPI_ISL_1464300, EPI_ISL_1464302, EPI_ISL_1464303, EPI_ISL_1464304, EPI_ISL_1464307, EPI_ISL_1464311, EPI_ISL_1464314, EPI_ISL_1464317, EPI_ISL_1464318, EPI_ISL_1464319, EPI_ISL_1464321, EPI_ISL_1464322, EPI_ISL_1464323, EPI_ISL_1464324, EPI_ISL_1464325, EPI_ISL_1464326, EPI_ISL_1464327, EPI_ISL_1464329, EPI_ISL_1464330, EPI_ISL_1464331, EPI_ISL_1464332, EPI_ISL_1464333, EPI_ISL_1464335, EPI_ISL_1464336, EPI_ISL_1464338, EPI_ISL_1464341, EPI_ISL_1464342, EPI_ISL_1464343, EPI_ISL_1464344, EPI_ISL_1464345, EPI_ISL_1464346, EPI_ISL_1464348, EPI_ISL_1464350, EPI_ISL_1464351, EPI_ISL_1464354, EPI_ISL_1464359, EPI_ISL_1464363, EPI_ISL_1464364, EPI_ISL_1464366, EPI_ISL_1464368, EPI_ISL_1464370, EPI_ISL_1464371, EPI_ISL_1464373, EPI_ISL_1464374, EPI_ISL_1464375, EPI_ISL_1464376, EPI_ISL_1464377, EPI_ISL_1464378, EPI_ISL_1464380, EPI_ISL_1464383, EPI_ISL_1464385, EPI_ISL_1464386, EPI_ISL_1464387, EPI_ISL_1464388, EPI_ISL_1464389, EPI_ISL_1464391, EPI_ISL_1464392, EPI_ISL_1464393, EPI_ISL_1464394, EPI_ISL_1464395, EPI_ISL_1464396, EPI_ISL_1464398, EPI_ISL_1464399, EPI_ISL_1464401, EPI_ISL_1464402, EPI_ISL_1464403, EPI_ISL_1464404, EPI_ISL_1464405, EPI_ISL_1464406, EPI_ISL_1464410, EPI_ISL_1464412, EPI_ISL_1464414, EPI_ISL_1464415, EPI_ISL_1464416			
see above	Labor Dr. Fennner und Kollegen	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Alexis Robitaille, Thomas Günther, Johannes Knobloch, Martin Aepfelbacher, Nicole Fischer, Adam Grundhoff
EPI_ISL_924166, EPI_ISL_924231, EPI_ISL_924290, EPI_ISL_924351	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_935017	Laboratory for Respiratory Viruses, Cantacuzino National Military-Medical Institute for Research and Development	Cantacuzino Institute Virology	Luiza Ustea, Nicolette Paraschiv, Mihaela Lazar
EPI_ISL_937515	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_944785	Laboratory of Microbiology and Virology, Ospedale Amedeo di Savoia, ASL "Città di Torino"	U.O. Genomics, S.S. Genetics and Advanced Omics Techniques, Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d'Aosta	Chiara Beltramo, Francesco Cerutti, Valeria Ghisetti, Elena Bozzetta, Pier Luigi Acutis, Simone Peletto
EPI_ISL_949715, EPI_ISL_949716	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, Jennifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
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EPI_ISL_955290	TMC/Pathology	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
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EPI_ISL_977511, EPI_ISL_977512	Statens Serum Institut, Copenhagen, Denmark Laboratorio de Virologia HUCA	Laboratorio de Virologia HUCA	Sandoval M, Castelló C, Gómez de Oña J, Boga JA, Rojo S, Alvarez-Arguelles ME, Abreu F, Costales I, Perez-Martínez Z, Martín-Rodríguez G, Coto E, Melón S
EPI_ISL_979457	State Hygienic Laboratory at the University of Iowa	State Hygienic Laboratory at the University of Iowa	Valerie Reeb, Erik Twait, Wes Hottel, Alankar Kampooowale
EPI_ISL_979964, EPI_ISL_979965, EPI_ISL_979966	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_979998, EPI_ISL_979999, EPI_ISL_980006, EPI_ISL_980012, EPI_ISL_980017, EPI_ISL_980019, EPI_ISL_980028, EPI_ISL_980030, EPI_ISL_980035, EPI_ISL_980036, EPI_ISL_980046, EPI_ISL_980048, EPI_ISL_980049, EPI_ISL_980051, EPI_ISL_980052, EPI_ISL_980062, EPI_ISL_980086, EPI_ISL_980096, EPI_ISL_980106, EPI_ISL_980112, EPI_ISL_980146, EPI_ISL_980166, EPI_ISL_980191, EPI_ISL_980197, EPI_ISL_980209, EPI_ISL_980214, EPI_ISL_980216, EPI_ISL_980223, EPI_ISL_980566, EPI_ISL_980576, EPI_ISL_980578, EPI_ISL_980587, EPI_ISL_980592, EPI_ISL_980605, EPI_ISL_980620, EPI_ISL_980678, EPI_ISL_980682, EPI_ISL_980698, EPI_ISL_980721, EPI_ISL_980752, EPI_ISL_980753, EPI_ISL_980762, EPI_ISL_980784, EPI_ISL_980799, EPI_ISL_980803			
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_981351	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Cristina Andrés, María Piñana, Josep F Abril, Damir Garcia-Cehic, Ariadna Rando, Juliana Esperalba, Maria Gema Codina, Carla Castillo, Maria Carmen Martín, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_981401, EPI_ISL_981402, EPI_ISL_981403, EPI_ISL_981404, EPI_ISL_981405, EPI_ISL_981409, EPI_ISL_981410, EPI_ISL_981411, EPI_ISL_981412, EPI_ISL_981413, EPI_ISL_981414, EPI_ISL_981415, EPI_ISL_981416, EPI_ISL_981417, EPI_ISL_981418, EPI_ISL_981419, EPI_ISL_981420, EPI_ISL_981421, EPI_ISL_981422, EPI_ISL_981423, EPI_ISL_981424, EPI_ISL_981426, EPI_ISL_981427, EPI_ISL_981428, EPI_ISL_981429, EPI_ISL_981430, EPI_ISL_981431, EPI_ISL_981432, EPI_ISL_981433, EPI_ISL_981434, EPI_ISL_981435, EPI_ISL_981436, EPI_ISL_981437, EPI_ISL_981438, EPI_ISL_981439, EPI_ISL_981440, EPI_ISL_981441, EPI_ISL_981442, EPI_ISL_981443, EPI_ISL_981444, EPI_ISL_981445, EPI_ISL_981446, EPI_ISL_981447, EPI_ISL_981448, EPI_ISL_981449, EPI_ISL_981450, EPI_ISL_981451			
see above	Groupe LCD	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_981454, EPI_ISL_981455, EPI_ISL_981456	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_981489, EPI_ISL_981490, EPI_ISL_981491	Groupe LCD	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_981492	LABM BIOLAM CLINIQUE ESTREE	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_981493, EPI_ISL_981494, EPI_ISL_981495, EPI_ISL_981496	Groupe LCD	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_981497	LABM BIOLAM CLINIQUE ESTREE	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_981498, EPI_ISL_981499, EPI_ISL_981500, EPI_ISL_981501, EPI_ISL_981502, EPI_ISL_981503, EPI_ISL_981504, EPI_ISL_981505, EPI_ISL_981506, EPI_ISL_981507, EPI_ISL_981508, EPI_ISL_981509, EPI_ISL_981510, EPI_ISL_981511, EPI_ISL_981512, EPI_ISL_981513, EPI_ISL_981514, EPI_ISL_981515, EPI_ISL_981516, EPI_ISL_981517, EPI_ISL_981518, EPI_ISL_981519, EPI_ISL_981520, EPI_ISL_981521, EPI_ISL_981522, EPI_ISL_981523, EPI_ISL_981524, EPI_ISL_981525, EPI_ISL_981526, EPI_ISL_981527, EPI_ISL_981528, EPI_ISL_981529, EPI_ISL_981530, EPI_ISL_981531			
see above	Groupe LCD	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
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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_982140, EPI_ISL_982141	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_982145	Groupe LCD	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Christophe Rodriguez, Slim Fourati, Vanessa Demontant, Guillaume Gricourt, Melissa N'Debi, Alexandre Soulier, Elisabeth Trawinski, Jean-Michel Pawlotsky
EPI_ISL_982863, EPI_ISL_982873, EPI_ISL_982874, EPI_ISL_982875, EPI_ISL_982888, EPI_ISL_982897	MEPHI Aix Marseille University (AMU)	MEPHI Aix Marseille University (AMU)	Anthony LEVASSEUR
EPI_ISL_983096	Microbiology and Virology Unit, Florence Careggi University Hospital	Microbiology and Virology Unit, Florence Careggi University Hospital	Vincenzo Di Pilato, Marco Coppi, Fabio Morechiato, Noemi Aiezza, Ilaria Baccani, Alberto Antonelli, Emanuele Gori, Gian Maria Rossolini
EPI_ISL_983653, EPI_ISL_983654, EPI_ISL_983655, EPI_ISL_983656, EPI_ISL_983660	Vault Health	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_983709, EPI_ISL_983714, EPI_ISL_983723, EPI_ISL_983724	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_984290, EPI_ISL_984296, EPI_ISL_984617	Algemeen Medisch Laboratorium	UAntwerp, Laboratory of Medical Microbiology	Basil Britto Xavier, Jasmine Coppens, Marie Le Mercier, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_984753	Fulgent Genetics	Fulgent Genetics	Harry Gao, Micky Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_985286	Delaware Public Health Laboratory (DPHL)	Delaware Public Health Lab	Gregory Hovan
EPI_ISL_985330, EPI_ISL_985332, EPI_ISL_985333, EPI_ISL_985336, EPI_ISL_985337, EPI_ISL_985339	Klinisk mikrobiologi, Region Västerbotten	CBRN Defence and Security, Swedish Defence Research Agency	Andreas Sjödin, Linda Karlsson, Emelie Näslund Salomonsson, Jonas Näslund, Stina Bäckman, Malin Granberg, Ingrid Dacklin, Anna-Lena Johansson, Kerstin Myrtenäs, David Sundell, Carolin Öhrman, Mats Forsman, Annika Allard, Annika Osterman
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see above	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_994857	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_995572, EPI_ISL_995573, EPI_ISL_995574, EPI_ISL_995577, EPI_ISL_995581, EPI_ISL_995582, EPI_ISL_995583, EPI_ISL_995587, EPI_ISL_995588, EPI_ISL_995590, EPI_ISL_995592, EPI_ISL_995595, EPI_ISL_995599, EPI_ISL_995600, EPI_ISL_995612, EPI_ISL_995614, EPI_ISL_995615, EPI_ISL_995619, EPI_ISL_995620, EPI_ISL_995621, EPI_ISL_995622			
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_995762	KEMPEGOWDA INTERNATIONAL AIRPORT	Department of Neurovirology, National Institute of Mental Health and Neurosciences (NIMHANS)	Chitra Pattabiraman, Pramada Prasad, Anson Kunjumon George, Risha Rasheed, Darshan Sreenivas, Nakka Vijay Kiran Reddy, Anita S Desai, V Ravi
EPI_ISL_996421, EPI_ISL_996446, EPI_ISL_996452, EPI_ISL_996470	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 Cassey
EPI_ISL_996481, EPI_ISL_996538, EPI_ISL_996539, EPI_ISL_996540, EPI_ISL_996541, EPI_ISL_996542, EPI_ISL_996550	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_996604, EPI_ISL_996605, EPI_ISL_996606, EPI_ISL_996607, EPI_ISL_996608, EPI_ISL_996609, EPI_ISL_996610, EPI_ISL_996611, EPI_ISL_996612, EPI_ISL_996614, EPI_ISL_996637, EPI_ISL_996638, EPI_ISL_996639, EPI_ISL_996640, EPI_ISL_996641, EPI_ISL_996642, EPI_ISL_996643, EPI_ISL_996645, EPI_ISL_996646, EPI_ISL_996647, EPI_ISL_996648, EPI_ISL_996649, EPI_ISL_996650, EPI_ISL_996651, EPI_ISL_996652, EPI_ISL_996655, EPI_ISL_996658, EPI_ISL_996659, EPI_ISL_996661, EPI_ISL_996662, EPI_ISL_996663, EPI_ISL_996666, EPI_ISL_996667, EPI_ISL_996670, EPI_ISL_996836			
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_997062, EPI_ISL_997064	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_997125	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 A, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_997418, EPI_ISL_997421, EPI_ISL_997422, EPI_ISL_997445, EPI_ISL_997453, EPI_ISL_997454, EPI_ISL_997458, EPI_ISL_997461, EPI_ISL_997464, EPI_ISL_997466, EPI_ISL_997485, EPI_ISL_997490, EPI_ISL_997506, EPI_ISL_997508, EPI_ISL_997511, EPI_ISL_997512, EPI_ISL_997514, EPI_ISL_997517, EPI_ISL_997518, EPI_ISL_997522, EPI_ISL_997523, EPI_ISL_997524, EPI_ISL_997544, EPI_ISL_997545, EPI_ISL_997555, EPI_ISL_997557, EPI_ISL_997558, EPI_ISL_997566, EPI_ISL_997567			
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_997661, EPI_ISL_997668	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_997704, EPI_ISL_997836, EPI_ISL_997837, EPI_ISL_997878, EPI_ISL_997890, EPI_ISL_997891, EPI_ISL_997892, EPI_ISL_997894, EPI_ISL_997905, EPI_ISL_997906, EPI_ISL_997907, EPI_ISL_997927, EPI_ISL_997928, EPI_ISL_997929, EPI_ISL_997930, EPI_ISL_997932, EPI_ISL_997933, EPI_ISL_997934, EPI_ISL_997935, EPI_ISL_997936, EPI_ISL_997937, EPI_ISL_997938, EPI_ISL_997939, EPI_ISL_997940, EPI_ISL_997941, EPI_ISL_997942, EPI_ISL_997943, EPI_ISL_997945, EPI_ISL_997952, EPI_ISL_997954			
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_998099, EPI_ISL_998101, EPI_ISL_998102, EPI_ISL_998104, EPI_ISL_998106, EPI_ISL_998107, EPI_ISL_998108, EPI_ISL_998111, EPI_ISL_998112, EPI_ISL_998113, EPI_ISL_998114, EPI_ISL_998115, EPI_ISL_998116, EPI_ISL_998117, EPI_ISL_998118, EPI_ISL_998119, EPI_ISL_998123, EPI_ISL_998124, EPI_ISL_998125, EPI_ISL_998126, EPI_ISL_998127, EPI_ISL_998128, EPI_ISL_998130, EPI_ISL_998131, EPI_ISL_998132, EPI_ISL_998133, EPI_ISL_998135			
see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Anygal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Carlad Evans
EPI_ISL_998234	Regional Virus Laboratory, Belfast Health and Social Care Trust	COVID-19 Genomics UK (COG-UK) Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley
EPI_ISL_998504, EPI_ISL_998511, EPI_ISL_998512, EPI_ISL_998513, EPI_ISL_998514, EPI_ISL_998515, EPI_ISL_998516, EPI_ISL_998572, EPI_ISL_998573, EPI_ISL_998574, EPI_ISL_998575, EPI_ISL_998577, EPI_ISL_998578, EPI_ISL_998579, EPI_ISL_998580			
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_998774, EPI_ISL_998778, EPI_ISL_998782, EPI_ISL_998789, EPI_ISL_998791, EPI_ISL_998800, EPI_ISL_998854	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, E. Michael, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_998889, EPI_ISL_998890	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_999517, EPI_ISL_999518, EPI_ISL_999519, EPI_ISL_999520, EPI_ISL_999521, EPI_ISL_999522, EPI_ISL_999523, EPI_ISL_999529, EPI_ISL_999530, EPI_ISL_999532, EPI_ISL_999533, EPI_ISL_999537, EPI_ISL_999538, EPI_ISL_999540, EPI_ISL_999541, EPI_ISL_999542, EPI_ISL_999543, EPI_ISL_999544, EPI_ISL_999545, EPI_ISL_999547, EPI_ISL_999548, EPI_ISL_999549, EPI_ISL_999550, EPI_ISL_999553, EPI_ISL_999554, EPI_ISL_999557, EPI_ISL_999560, EPI_ISL_999566, EPI_ISL_999569, EPI_ISL_999571, EPI_ISL_999572, EPI_ISL_999574, EPI_ISL_999579, EPI_ISL_999582, EPI_ISL_999583, EPI_ISL_999585, EPI_ISL_999586, EPI_ISL_999588, EPI_ISL_999589, EPI_ISL_999595, EPI_ISL_999596, EPI_ISL_999597, EPI_ISL_999598, EPI_ISL_999599, EPI_ISL_999601, EPI_ISL_999602, EPI_ISL_999605, EPI_ISL_999606, EPI_ISL_999607, EPI_ISL_999609, EPI_ISL_999612, EPI_ISL_999614, EPI_ISL_999618, EPI_ISL_999620, EPI_ISL_999621, EPI_ISL_999623, EPI_ISL_999625, EPI_ISL_999626, EPI_ISL_999627, EPI_ISL_999628, EPI_ISL_999630, EPI_ISL_999633, EPI_ISL_999767, EPI_ISL_999783, EPI_ISL_999803, EPI_ISL_999834, EPI_ISL_999848, EPI_ISL_999852, EPI_ISL_999853, EPI_ISL_999858, EPI_ISL_999859, EPI_ISL_999870, EPI_ISL_999879, EPI_ISL_999881, EPI_ISL_999894			
see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiari, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_999947, EPI_ISL_999969, EPI_ISL_999970	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