

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

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EPI_ISL_1060561, EPI_ISL_1060563, EPI_ISL_1060564, EPI_ISL_1060565, EPI_ISL_1060566	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Fourgeaud Jacques
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EPI_ISL_1061039, EPI_ISL_1061040, EPI_ISL_1061041, EPI_ISL_1061042, EPI_ISL_1061043, EPI_ISL_1061044, EPI_ISL_1061045, EPI_ISL_1061046, EPI_ISL_1061047, EPI_ISL_1061048, EPI_ISL_1061050, EPI_ISL_1061052, EPI_ISL_1061053, EPI_ISL_1061054, EPI_ISL_1061055, EPI_ISL_1061056, EPI_ISL_1061057, EPI_ISL_1061058, EPI_ISL_1061059, EPI_ISL_1061060, EPI_ISL_1061061, EPI_ISL_1061062, EPI_ISL_1061063, EPI_ISL_1061064, EPI_ISL_1061065, EPI_ISL_1061066, EPI_ISL_1061068, EPI_ISL_1061069, EPI_ISL_1061070, EPI_ISL_1061071, EPI_ISL_1061072, EPI_ISL_1061073, EPI_ISL_1061074, EPI_ISL_1061075, EPI_ISL_1061076, EPI_ISL_1061077, EPI_ISL_1061078, EPI_ISL_1061079, EPI_ISL_1061080, EPI_ISL_1061081, EPI_ISL_1061082, EPI_ISL_1061083, EPI_ISL_1061084, EPI_ISL_1061085, EPI_ISL_1061086, EPI_ISL_1061087, EPI_ISL_1061088, EPI_ISL_1061089, EPI_ISL_1061090, EPI_ISL_1061131, EPI_ISL_1061132, EPI_ISL_1061133, EPI_ISL_1061134, EPI_ISL_1061136, EPI_ISL_1061137, EPI_ISL_1061138, EPI_ISL_1061139, EPI_ISL_1061142, EPI_ISL_1061143, EPI_ISL_1061144, EPI_ISL_1061145, EPI_ISL_1061146, EPI_ISL_1061147, EPI_ISL_1061148, EPI_ISL_1061149, EPI_ISL_1061161, EPI_ISL_1061162, EPI_ISL_1061163, EPI_ISL_1061164, EPI_ISL_1061167, EPI_ISL_1061168, EPI_ISL_1061169, EPI_ISL_1061170, EPI_ISL_1061171, EPI_ISL_1061173, EPI_ISL_1061175, EPI_ISL_1061176, EPI_ISL_1061177, EPI_ISL_1061178, EPI_ISL_1061179, EPI_ISL_1061180, EPI_ISL_1061181, EPI_ISL_1061182, EPI_ISL_1061183, EPI_ISL_1061184, EPI_ISL_1061185, EPI_ISL_1061186, EPI_ISL_1061187, EPI_ISL_1061188, EPI_ISL_1061189, EPI_ISL_1061190, EPI_ISL_1061191, EPI_ISL_1061192, EPI_ISL_1061193, EPI_ISL_1061195, EPI_ISL_1061196, EPI_ISL_1061197, EPI_ISL_1061198, EPI_ISL_1061199, EPI_ISL_1061200, EPI_ISL_1061201, EPI_ISL_1061202, EPI_ISL_1061203, EPI_ISL_1061205, EPI_ISL_1061211, EPI_ISL_1061212, EPI_ISL_1061214, EPI_ISL_1061215, EPI_ISL_1061216, EPI_ISL_1061217, EPI_ISL_1061219, EPI_ISL_1061220, EPI_ISL_1061221, EPI_ISL_1061222, EPI_ISL_1061223, EPI_ISL_1061224, EPI_ISL_1061227, EPI_ISL_1061228, EPI_ISL_1061231, EPI_ISL_1061232, EPI_ISL_1061235, EPI_ISL_1061237, EPI_ISL_1061238, EPI_ISL_1061241, EPI_ISL_1061242, EPI_ISL_1061243, EPI_ISL_1061244, EPI_ISL_1061245, EPI_ISL_1061246, EPI_ISL_1061247, EPI_ISL_1061249, EPI_ISL_1061250, EPI_ISL_1061260, EPI_ISL_1061262, EPI_ISL_1061263, EPI_ISL_1061264, EPI_ISL_1061265, EPI_ISL_1061266, EPI_ISL_1061267, EPI_ISL_1061268, EPI_ISL_1061269, EPI_ISL_1061270, EPI_ISL_1061271, EPI_ISL_1061272, EPI_ISL_1061273, EPI_ISL_1061274, EPI_ISL_1061275			
see above	Istituto Zooprofilattico Sperimentale del Mezzogiorno (IZSM)	Telethon Institute of Genetics and Medicine (TIGEM)	Antonio Grimaldi, Patrizia Annunziata, Francesco Panariello, Biancamaria Pierri, Valentina Bouche, Chiara Colantuono, Maria Concetta Cuomo, Denise Di

EPI_ISL_1063915	Rwanda National Reference Laboratory	Rwanda National Reference Laboratory	Concilio, Lucio Di Filippo, Anna Manfredi, Marcello Salvi, Antonio Limone, Pellegrino Cerino, Andrea Ballabio, Davide Cacchiarelli.
EPI_ISL_1066069, EPI_ISL_1066071, EPI_ISL_1067117	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Aalborg University	Enatha Mukantwari,Umuringa Jeanne d'Arc
EPI_ISL_1072966	Tokyo Metropolitan Institute of Public Health	Tokyo Metropolitan Institute of Public Health	Danish Covid-19 Genome Consortium
EPI_ISL_1072985	University of Balamand	Microbial Genomics Lab, Lebanese American University, Byblos	Masaki Hayashi, Takako Yamazaki, Mami Nagashima,Takushi Fujiwara, Takashi Chiba, Kenji Sadamasu
EPI_ISL_1073340	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Mira El Chaar, Youssef Bassim, Sima Tokajian
EPI_ISL_1080754, EPI_ISL_1080776, EPI_ISL_1080781	Clinical Microbiology Laboratory, NewYork Presbyterian Hospital/Columbia University Irving Medical Center	Uhlemann Laboratory, Columbia University Irving Medical Center	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_1081201, EPI_ISL_1081202	Laboratory Corporation of America	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Medini K. Annavajhala, Anne-Catrin Uhlemann, Hiroshi Mohri, David Ho
EPI_ISL_1081793, EPI_ISL_1081794	Philippine Red Cross	Philippine Genome Center	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_1086097, EPI_ISL_1086132, EPI_ISL_1086152, EPI_ISL_1086197	IZSM	TIGEM	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_1089628, EPI_ISL_1089632, EPI_ISL_1089633, EPI_ISL_1089634, EPI_ISL_1089635	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Antonio Grimaldi, Patrizia Annunziata, Francesco Panariello, Biancamaria Pierri, Valentina Bouche, Chiara Colantuono, Maria Concetta Cuomo, Denise Di Concilio, Lucio Di Filippo, Anna Manfredi, Marcello Salvi, Antonio Limone, Pellegrino Cerino, Andrea Ballabio, Davide Cacchiarelli.
EPI_ISL_1093435, EPI_ISL_1093436, EPI_ISL_1093441	Nigerian Centre for Disease Control (NCDC)	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University	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_1096249	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Olawoye, I.B., et al
EPI_ISL_1097532	Colorado Department of Public Health and Environment	Colorado Department of Public Health and Environment	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,Guinard Jérôme
EPI_ISL_1103543	GenBio	GenBio	Laura Bankers, Molly C. Hetherington-Rauth, Diana Ir, Shannon Ely, Shannon R. Matzinger, Sarah Elizabeth Totten, Emily A. Travanty
EPI_ISL_1103878, EPI_ISL_1103879, EPI_ISL_1103880, EPI_ISL_1103881, EPI_ISL_1103882, EPI_ISL_1103886, EPI_ISL_1103887, EPI_ISL_1103889	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	AbdelAli ZRHIDRI, Emilie PAGE, Philippe LOCHU, Stephane KEMENY and Gregory EGEA
EPI_ISL_1104579, EPI_ISL_1104580, EPI_ISL_1104581, EPI_ISL_1104582, EPI_ISL_1104584, EPI_ISL_1104585, EPI_ISL_1104586, EPI_ISL_1104587, EPI_ISL_1104588, EPI_ISL_1104589, EPI_ISL_1104590, EPI_ISL_1104591, EPI_ISL_1104592, EPI_ISL_1104593, EPI_ISL_1104594, EPI_ISL_1104595, EPI_ISL_1104596, EPI_ISL_1104597, EPI_ISL_1104598, EPI_ISL_1104599	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	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
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_1104931, EPI_ISL_1104932, EPI_ISL_1104937, EPI_ISL_1104938, EPI_ISL_1104949, EPI_ISL_1104951, EPI_ISL_1104969, EPI_ISL_1104972, EPI_ISL_1104973, EPI_ISL_1104975, EPI_ISL_1104976, EPI_ISL_1104978, EPI_ISL_1104981, EPI_ISL_1104982, EPI_ISL_1104986, EPI_ISL_1104988, EPI_ISL_1104990, EPI_ISL_1104991, EPI_ISL_1104992, EPI_ISL_1104997, EPI_ISL_1104998, EPI_ISL_1104999, EPI_ISL_1105000, EPI_ISL_1105001, EPI_ISL_1105005, EPI_ISL_1105009, EPI_ISL_1105010, EPI_ISL_1105011, EPI_ISL_1105018, EPI_ISL_1105024, EPI_ISL_1105026, EPI_ISL_1105027, EPI_ISL_1105034, EPI_ISL_1105035, EPI_ISL_1105069, EPI_ISL_1105169, EPI_ISL_1105255, EPI_ISL_1105283, EPI_ISL_1105301, EPI_ISL_1105302, EPI_ISL_1105310	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_1105450	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_1105657, EPI_ISL_1105711, EPI_ISL_1105712, EPI_ISL_1105716, EPI_ISL_1105717, EPI_ISL_1105720, EPI_ISL_1105724, EPI_ISL_1105725, EPI_ISL_1105727, EPI_ISL_1105728	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_1106644	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1107544, EPI_ISL_1107545, EPI_ISL_1107546, EPI_ISL_1107547, EPI_ISL_1107548, EPI_ISL_1107549, EPI_ISL_1107550, EPI_ISL_1107551, EPI_ISL_1107552, EPI_ISL_1107553, EPI_ISL_1107554, EPI_ISL_1107555, EPI_ISL_1107556, EPI_ISL_1107557, EPI_ISL_1107558, EPI_ISL_1107559, EPI_ISL_1107560, EPI_ISL_1107561, EPI_ISL_1107562, EPI_ISL_1107563, EPI_ISL_1107564, EPI_ISL_1107565, EPI_ISL_1107566, EPI_ISL_1107567, EPI_ISL_1107568, EPI_ISL_1107569, EPI_ISL_1107570, EPI_ISL_1107571, EPI_ISL_1107572, EPI_ISL_1107573, EPI_ISL_1107574, EPI_ISL_1107575, EPI_ISL_1107576, EPI_ISL_1107577, EPI_ISL_1107578, EPI_ISL_1107579, EPI_ISL_1107580, EPI_ISL_1107581, EPI_ISL_1107582, EPI_ISL_1107583, EPI_ISL_1107584, EPI_ISL_1107585, EPI_ISL_1107588, EPI_ISL_1107589, EPI_ISL_1107590, EPI_ISL_1107591, EPI_ISL_1107592, EPI_ISL_1107594, EPI_ISL_1107595, EPI_ISL_1107596, EPI_ISL_1107597, EPI_ISL_1107598, EPI_ISL_1107599, EPI_ISL_1107600, EPI_ISL_1107601, EPI_ISL_1107602, EPI_ISL_1107603, EPI_ISL_1107604, EPI_ISL_1107605, EPI_ISL_1107606, EPI_ISL_1107607, EPI_ISL_1107608, EPI_ISL_1107609, EPI_ISL_1107610, EPI_ISL_1107611, EPI_ISL_1107612, EPI_ISL_1107614, EPI_ISL_1107615, EPI_ISL_1107616, EPI_ISL_1107617, EPI_ISL_1107618, EPI_ISL_1107619, EPI_ISL_1107620, EPI_ISL_1107621, EPI_ISL_1107622, EPI_ISL_1107623, EPI_ISL_1107624, EPI_ISL_1107625, EPI_ISL_1107626, EPI_ISL_1107627, EPI_ISL_1107628, EPI_ISL_1107629, EPI_ISL_1107630, EPI_ISL_1107631, EPI_ISL_1107702, EPI_ISL_1107703, EPI_ISL_1107704, EPI_ISL_1107705, EPI_ISL_1107706, EPI_ISL_1107707, EPI_ISL_1107710, EPI_ISL_1107711, EPI_ISL_1107712	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysheer,Scott Elliott,Samuel Robson	
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_1109412, EPI_ISL_1109418, EPI_ISL_1109431	Radboudumc	Radboudumc	Jordy Coolen, Femke Wolters
EPI_ISL_1110410, EPI_ISL_1110411, EPI_ISL_1110412	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,Pilorge LéA
EPI_ISL_1110429	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,Etienne Elodie
EPI_ISL_1110952	Research	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,Leruez-Ville Marianne

EPI_ISL_1112771, EPI_ISL_1112773, EPI_ISL_1112782, EPI_ISL_1112786, EPI_ISL_1112787, EPI_ISL_1112788, EPI_ISL_1112789, EPI_ISL_1112790, EPI_ISL_1112791, EPI_ISL_1112815, EPI_ISL_1112816, EPI_ISL_1112826, EPI_ISL_1112829, EPI_ISL_1112830, EPI_ISL_1112831, EPI_ISL_1112832, EPI_ISL_1112928	see above	Public Health Ontario Laboratory	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 Heister, 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 Zittermann
EPI_ISL_1120415, EPI_ISL_1120517	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_1120821, EPI_ISL_1120823	ICH-SION	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_1120826	VIDYMED EPALINGES	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_1120828, EPI_ISL_1120829, EPI_ISL_1120830	ICH-SION	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_1120831, EPI_ISL_1120832, EPI_ISL_1120833	CHUV	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_1120948, EPI_ISL_1120949, EPI_ISL_1120950	Hospital Universitario 12 de Octubre	SeqCOVID-SPAIN consortium/IBV(CSIC)	Esther Viedma, Raúl Recio, Irene Muñoz-Gallego, Jennifer Villa, Rafael Delgado, Mª Dolores Folgueira and SeqCOVID-SPAIN consortiumconsortium	
EPI_ISL_1129576, EPI_ISL_1129598, EPI_ISL_1129663, EPI_ISL_1129668	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andrea Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1129699	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_1130795	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andrea Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler	
EPI_ISL_1138734	Institut für Medizinische Virologie, Universitätsklinikum Frankfurt	Charité Universitätsmedizin Berlin, Institut für Virologie	Victor M Corman, Barbara Mühlemann, Marek Widera, Jörn Beheim-Schwarzbach, Tuna Toptan Grabmair, Niko Kohmer, Christiane Pallas, Talitha Veith, Julia Schneider, Julia Tesch, Tobias Bleicker, Terry Jones, Sandra Ciesek, Christian Drosten	
EPI_ISL_1164700	Department of Molecular Virology, Cyprus Institute of Neurology and Genetics	Department of Molecular Virology, Cyprus Institute of Neurology and Genetics	Jan Richter, Pavlos Fanis, Christina Tryfonos, Dana Koptides, George Krashias, Stavros Bashiardes, Andreas Hadjisavvas, Maria Loizidou, Anastasis Oulas, Denise Alexandrou, Olga Kalakouta, Mihalis Panayiotidis, George Spyrou, Christina Christodoulou	
EPI_ISL_1167921, EPI_ISL_1167924, EPI_ISL_1167925, EPI_ISL_1167926, EPI_ISL_1167928, EPI_ISL_1167930, EPI_ISL_1167932	Genetica Molecular and Subdepartamento de Virologia ISP Chile	Instituto de Salud Publica de Chile	Javier Tognarelli, Karen Orostica, Barbara Parra, Loredana Arata, Jaime Lagos, Gisselle Barra, Patricia Bustos, Rodrigo Fasce, Andres Castillo, Jorge Fernandez	
EPI_ISL_1170724, EPI_ISL_1170725, EPI_ISL_1170727, EPI_ISL_1170728, EPI_ISL_1170735, EPI_ISL_1170764, EPI_ISL_1170772, EPI_ISL_1170773, EPI_ISL_1170774, EPI_ISL_1170775, EPI_ISL_1170776, EPI_ISL_1170797, EPI_ISL_1170804, EPI_ISL_1170806, EPI_ISL_1170807, EPI_ISL_1170821, EPI_ISL_1170907, EPI_ISL_1170945	see above	Public Health Ontario Laboratory	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 Heister, 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 Zittermann
EPI_ISL_1173202	Laboratorio Biologia Molecolare Sars Cov2 - UOC Laboratorio Analisi - Servizio Medicina di Laboratorio, Ospedale "San Francesco" - ATS-ASSL Nuoro	Laboratorio Specialistico Ematologia, UOC Ematologia, Ospedale "San Francesco" - ATS-ASSL Nuoro	Pira Giovanna, Rosu Valentina, Fancello Patrizia, Asproni Rosanna, Carta Franco, Serra Silvia, Piras Giovanna, Monne Maria Itria, Malune Paolo, Fiamma Maura, Palmas Angelo Domenico, Lo Maglio Iana, Mameli Giuseppe	
EPI_ISL_1173289	Istituto Zooprofilattico Sperimentale del Mezzogiorno (IZSM)	Telethon Institute of Genetics and Medicine (TIGEM)	Antonio Grimaldi Patrizia Annunziata Francesco Panariello Biancamaria Pierri Valentina Bouche Chiara Colantuono Maria Concetta Cuomo Denise Di Concilio Lucio Di Filippo Anna Manfredi Marcello Salvi Antonio Limone Pellegrino Cerino Andrea Ballabio Davide Cacchiarelli	
EPI_ISL_1173758	IZSM	TIGEM	Antonio Grimaldi Patrizia Annunziata Francesco Panariello Biancamaria Pierri Valentina Bouche Chiara Colantuono Maria Concetta Cuomo Denise Di Concilio Lucio Di Filippo Anna Manfredi Marcello Salvi Antonio Limone Pellegrino Cerino Andrea Ballabio Davide Cacchiarelli	
EPI_ISL_1177643, EPI_ISL_1177644, EPI_ISL_1177645, EPI_ISL_1177646, EPI_ISL_1177648, EPI_ISL_1177650, EPI_ISL_1177676	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_1179680, EPI_ISL_1179733, EPI_ISL_1179734, EPI_ISL_1179736, EPI_ISL_1179763, EPI_ISL_1179779, EPI_ISL_1179781, EPI_ISL_1179786, EPI_ISL_1179799, EPI_ISL_1179801, EPI_ISL_1179805, EPI_ISL_1179807, EPI_ISL_1179810, EPI_ISL_1179826, EPI_ISL_1179835, EPI_ISL_1179840, EPI_ISL_1179841, EPI_ISL_1179842, EPI_ISL_1179844, EPI_ISL_1179845, EPI_ISL_1179846, EPI_ISL_1179847, EPI_ISL_1179848, EPI_ISL_1179849, EPI_ISL_1179850, EPI_ISL_1179851	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_1180409	National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennett, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun	
EPI_ISL_1182814, EPI_ISL_1182839, EPI_ISL_1182845, EPI_ISL_1182849, EPI_ISL_1182869, EPI_ISL_1182876, EPI_ISL_1182881, EPI_ISL_1182891, EPI_ISL_1182900, EPI_ISL_1182908, EPI_ISL_1182909, EPI_ISL_1182913, EPI_ISL_1182914, EPI_ISL_1182916, EPI_ISL_1182917, EPI_ISL_1182919, EPI_ISL_1182920, EPI_ISL_1182921, EPI_ISL_1182922, EPI_ISL_1182923, EPI_ISL_1182924, EPI_ISL_1182925, EPI_ISL_1182926, EPI_ISL_1182927, EPI_ISL_1182928, EPI_ISL_1182934, EPI_ISL_1182935, EPI_ISL_1182936, EPI_ISL_1182937, EPI_ISL_1182938, EPI_ISL_1182939, EPI_ISL_1182940, EPI_ISL_1182941, EPI_ISL_1182942, EPI_ISL_1182943, EPI_ISL_1182944, EPI_ISL_1182946, EPI_ISL_1182947, EPI_ISL_1182948, EPI_ISL_1182949, EPI_ISL_1182950, EPI_ISL_1182951, EPI_ISL_1182952, EPI_ISL_1182953, EPI_ISL_1182954, EPI_ISL_1182955, EPI_ISL_1182956, EPI_ISL_1182957, EPI_ISL_1182958, EPI_ISL_1182959, EPI_ISL_1182960, EPI_ISL_1182961, EPI_ISL_1182962, EPI_ISL_1182963, EPI_ISL_1182964, EPI_ISL_1182965, EPI_ISL_1182966, EPI_ISL_1182967, EPI_ISL_1182968, EPI_ISL_1182969, EPI_ISL_1182970, EPI_ISL_1182971, EPI_ISL_1182972, EPI_ISL_1182973, EPI_ISL_1182974, EPI_ISL_1182975, EPI_ISL_1182976, EPI_ISL_1182977, EPI_ISL_1182978, EPI_ISL_1182988, EPI_ISL_1182989, EPI_ISL_1182990, EPI_ISL_1182991, EPI_ISL_1182992, EPI_ISL_1182993, EPI_ISL_1182994, EPI_ISL_1182995, EPI_ISL_1182996, EPI_ISL_1182997, EPI_ISL_1182998, EPI_ISL_1182999, EPI_ISL_1183000, EPI_ISL_1183001, EPI_ISL_1183002, EPI_ISL_1183003, EPI_ISL_1183004, EPI_ISL_1183005, EPI_ISL_1183006, EPI_ISL_1183007, EPI_ISL_1183008, EPI_ISL_1183009, EPI_ISL_1183010, EPI_ISL_1183011, EPI_ISL_1183012, EPI_ISL_1183013, EPI_ISL_1183014, EPI_ISL_1183015, EPI_ISL_1183016, EPI_ISL_1183017, EPI_ISL_1183018, EPI_ISL_1183019, EPI_ISL_1183020, EPI_ISL_1183021, EPI_ISL_1183022, EPI_ISL_1183023, EPI_ISL_1183025, EPI_ISL_1183026, EPI_ISL_1183027, EPI_ISL_1183028, EPI_ISL_1183029, EPI_ISL_1183030, EPI_ISL_1183031, EPI_ISL_1183032, EPI_ISL_1183033, EPI_ISL_1183034, EPI_ISL_1183035, EPI_ISL_1183036, EPI_ISL_1183037, EPI_ISL_1183038, EPI_ISL_1183039, EPI_ISL_1183040, EPI_ISL_1183041, EPI_ISL_1183042, EPI_ISL_1183043, EPI_ISL_1183044, EPI_ISL_1183045, EPI_ISL_1183046, EPI_ISL_1183047, EPI_ISL_1183048, EPI_ISL_1183049, EPI_ISL_1183050, EPI_ISL_1183051, EPI_ISL_1183052, EPI_ISL_1183053, EPI_ISL_1183054, EPI_ISL_1183055, EPI_ISL_1183056, EPI_ISL_1183057, EPI_ISL_1183058, EPI_ISL_1183059, EPI_ISL_1183060, EPI_ISL_1183061, EPI_ISL_1183062, EPI_ISL_1183063, EPI_ISL_1183064, EPI_ISL_1183065, EPI_ISL_1183066, EPI_ISL_1183067, EPI_ISL_1183068, EPI_ISL_1183069, EPI_ISL_1183070, EPI_ISL_1183071, EPI_ISL_1183072, EPI_ISL_1183073, EPI_ISL_1183074, EPI_ISL_1183075, EPI_ISL_1183077, EPI_ISL_1183078, EPI_ISL_1183079, EPI_ISL_1183080, EPI_ISL_1183081, EPI_ISL_1183082, EPI_ISL_1183086, EPI_ISL_1183101, EPI_ISL_1183118, EPI_ISL_1183128	see above	Public Health Ontario Laboratory	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 Heister, 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 Zittermann
EPI_ISL_1185556	IZSM	TIGEM	Antonio Grimaldi Patrizia Annunziata Francesco Panariello Biancamaria Pierri Valentina Bouche Chiara Colantuono Maria Concetta Cuomo Denise Di Concilio Lucio Di Filippo Anna Manfredi Marcello Salvi Antonio Limone Pellegrino Cerino Andrea Ballabio Davide Cacchiarelli	

EPI_ISL_1190778	CHU CLERMONT FERRAND	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolynne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1190789, EPI_ISL_1190793	CENTRE HOSPITALIER DE LA COTE BASQUE	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolynne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_1196944, EPI_ISL_1196979	IZSM	TIGEM	Antonio Grimaldi Patrizia Annunziata Francesco Panariello Biancamaria Pierri Valentina Bouche Chiara Colantuono Maria Concetta Cuomo Denise Di Concilio Lucio Di Filippo Anna Manfredi Marcello Salvi Antonio Limone Pellegrino Cerino Andrea Ballabio Davide Cacchiarelli
EPI_ISL_1200636, EPI_ISL_1200637	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy; AOR San Carlo, Potenza, Italy	Department of Infectious Diseases, Istituto Superiore di Sanità	Paola Stefanelli, Angela Di Martino, Alessandra Lo Presti, Stefano Fiore, Antonio Picerno, Lopizzo Teresa, Anna Curci, Angela Menchise, Manuela Marra, Maria Carollo, Marco Crescenzi
EPI_ISL_1201203, EPI_ISL_1201252, EPI_ISL_1201253, EPI_ISL_1201272, EPI_ISL_1201273, EPI_ISL_1201274	Hospital General Universitario Gregorio Marañón	Hospital General Universitario Gregorio Marañón	"Sergio Buenestado Serrano, Pedro Sola Campoy, Laura Pérez-Lago, Cristina Rodríguez-Grande, Pilar Catalán, Patricia Muñoz, Darío García de Viedma"
EPI_ISL_1201497	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, Gastli Nabil
EPI_ISL_1201535, EPI_ISL_1201536	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_1209589, EPI_ISL_1209612, EPI_ISL_1209613, EPI_ISL_1209614, EPI_ISL_1209615, EPI_ISL_1209796, EPI_ISL_1209797, EPI_ISL_1209798, EPI_ISL_1209799, EPI_ISL_1209800, EPI_ISL_1209801, EPI_ISL_1209802, EPI_ISL_1209803	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_1219930, EPI_ISL_1219931	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, Guiard Carine
EPI_ISL_1229951, EPI_ISL_1230064, EPI_ISL_1230090, EPI_ISL_1230091, EPI_ISL_1230092, EPI_ISL_1230101, EPI_ISL_1230102, EPI_ISL_1230103, EPI_ISL_1230104, EPI_ISL_1230107, EPI_ISL_1230108, EPI_ISL_1230109, EPI_ISL_1230127, EPI_ISL_1230140, EPI_ISL_1230141, EPI_ISL_1230142, EPI_ISL_1230143, EPI_ISL_1230144, EPI_ISL_1230145, EPI_ISL_1230146, EPI_ISL_1230147, EPI_ISL_1230148, EPI_ISL_1230149, EPI_ISL_1230150, EPI_ISL_1230151, EPI_ISL_1230200, EPI_ISL_1230201, EPI_ISL_1230202, EPI_ISL_1230203, EPI_ISL_1230204, EPI_ISL_1230220, EPI_ISL_1230221, EPI_ISL_1230223, EPI_ISL_1230224, EPI_ISL_1230225	Public Health Ontario Laboratory	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 Zittermann
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EPI_ISL_1247405, EPI_ISL_1247406, EPI_ISL_1247407, EPI_ISL_1247408, EPI_ISL_1247409, EPI_ISL_1247410, EPI_ISL_1247411, EPI_ISL_1247412, EPI_ISL_1247413, EPI_ISL_1247414, EPI_ISL_1247416, EPI_ISL_1247417, EPI_ISL_1247418, EPI_ISL_1247419, EPI_ISL_1247420, EPI_ISL_1247421, EPI_ISL_1247422, EPI_ISL_1247423, EPI_ISL_1247424, EPI_ISL_1247425, EPI_ISL_1247426, EPI_ISL_1247427, EPI_ISL_1247428, EPI_ISL_1247429, EPI_ISL_1247431, EPI_ISL_1247432	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_1247572, EPI_ISL_1247575, EPI_ISL_1247577, EPI_ISL_1247579, EPI_ISL_1247593, EPI_ISL_1247602, EPI_ISL_1247604, EPI_ISL_1247606, EPI_ISL_1247607, EPI_ISL_1247609, EPI_ISL_1247610, EPI_ISL_1247623, EPI_ISL_1247630	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_1247997, EPI_ISL_1247998, EPI_ISL_1247999, EPI_ISL_1248001, EPI_ISL_1248003, EPI_ISL_1248004, EPI_ISL_1248005, EPI_ISL_1248006, EPI_ISL_1248007, EPI_ISL_1248008, EPI_ISL_1248009, EPI_ISL_1248011, EPI_ISL_1248012, EPI_ISL_1248013	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_1248377, EPI_ISL_1248379, EPI_ISL_1248387, EPI_ISL_1248398, EPI_ISL_1248399, EPI_ISL_1248410, EPI_ISL_1248421, EPI_ISL_1248431, EPI_ISL_1248435, EPI_ISL_1248443, EPI_ISL_1248448, EPI_ISL_1248455, EPI_ISL_1248483, EPI_ISL_1248491	University College London Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Dr Judith Heaney, Matthew Byott, Dr Catherine Houlihan, Dr Daniel Frampton, Stuart Kirk, Dr Moira Spyer, Dr Paul Grant and Dr Eleni Nastouli
EPI_ISL_1249888, EPI_ISL_1249889, EPI_ISL_1249890, EPI_ISL_1249891, EPI_ISL_1249892, EPI_ISL_1249893, EPI_ISL_1249894, EPI_ISL_1249895, EPI_ISL_1249896, EPI_ISL_1249897, EPI_ISL_1249898, EPI_ISL_1249899, EPI_ISL_1249900, EPI_ISL_1249901, EPI_ISL_1249902, EPI_ISL_1249903, EPI_ISL_1249904, EPI_ISL_1249905, EPI_ISL_1249906, EPI_ISL_1249907, EPI_ISL_1249908, EPI_ISL_1249909, EPI_ISL_1249910, EPI_ISL_1249911, EPI_ISL_1249912, EPI_ISL_1249913, EPI_ISL_1249914, EPI_ISL_1249915, EPI_ISL_1249916, EPI_ISL_1249917, EPI_ISL_1249918, EPI_ISL_1249920, EPI_ISL_1249921, EPI_ISL_1249922, EPI_ISL_1249923, EPI_ISL_1249924, EPI_ISL_1249926, EPI_ISL_1249927, EPI_ISL_1249928, EPI_ISL_1249929, EPI_ISL_1249930, EPI_ISL_1249931, EPI_ISL_1249932, EPI_ISL_1249933, EPI_ISL_1249934, EPI_ISL_1249935, EPI_ISL_1249936, EPI_ISL_1249937, EPI_ISL_1249938, EPI_ISL_1249939, EPI_ISL_1249940, EPI_ISL_1249941, EPI_ISL_1249942, EPI_ISL_1249943, EPI_ISL_1249944, EPI_ISL_1249945, EPI_ISL_1249946, EPI_ISL_1249947, EPI_ISL_1249948, EPI_ISL_1249949, EPI_ISL_1249951, EPI_ISL_1249952, EPI_ISL_1249953, EPI_ISL_1249954, EPI_ISL_1249955, EPI_ISL_1249956, EPI_ISL_1249957, EPI_ISL_1249958, EPI_ISL_1249960, EPI_ISL_1249961, EPI_ISL_1249962, EPI_ISL_1249963, EPI_ISL_1249965, EPI_ISL_1250031, EPI_ISL_1250032, EPI_ISL_1250033, EPI_ISL_1250034, EPI_ISL_1250035, EPI_ISL_1250036, EPI_ISL_1250037, EPI_ISL_1250038, EPI_ISL_1250039, EPI_ISL_1250040, EPI_ISL_1250041, EPI_ISL_1250042, EPI_ISL_1250043, EPI_ISL_1250044, EPI_ISL_1250046, EPI_ISL_1250047, EPI_ISL_1250048, EPI_ISL_1250049, EPI_ISL_1250050, EPI_ISL_1250051, EPI_ISL_1250052, EPI_ISL_1250054, EPI_ISL_1250055, EPI_ISL_1250057, EPI_ISL_1250058, EPI_ISL_1250059, EPI_ISL_1250060, EPI_ISL_1250062, EPI_ISL_1250063, EPI_ISL_1250066, EPI_ISL_1250067, EPI_ISL_1250069, EPI_ISL_1250070, EPI_ISL_1250072, EPI_ISL_1250076, EPI_ISL_1250077, EPI_ISL_1250080, EPI_ISL_1250083, EPI_ISL_1250086, EPI_ISL_1250087, EPI_ISL_1250088, EPI_ISL_1250089, EPI_ISL_1250090, EPI_ISL_1250091, EPI_ISL_1250092, EPI_ISL_1250093, EPI_ISL_1250096, EPI_ISL_1250097, EPI_ISL_1250098, EPI_ISL_1250099, EPI_ISL_1250100, EPI_ISL_1250102, EPI_ISL_1250103, EPI_ISL_1250104, EPI_ISL_1250106, EPI_ISL_1250107, EPI_ISL_1250108, EPI_ISL_1250120, EPI_ISL_1250121, EPI_ISL_1250122	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_1255202	West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana, Accra, Ghana	West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana, Volta Road, Legon-Accra, Ghana	Collins M. Morang'a, Joyce M. Ngoi, Evelyn B. Quansah, Samirah Saidi, Dominic S.Y. Amuzu, Vincent Appiah, Philip M. Soglo, Vanessa Magnussen, Aisha Mohammed, Kesoego Tapela, Nelson Kibinge, Abdoulaye B Diallo, Frederick Kumi-Ansah, Theophilus Odoom, Oliver D Boakyey, Emmanuel Amoako4, Abdul-Karim Abass , Samuel Kaba Akorjey, Frederick Tei-Maya, Lucas N. Amenga-Etego, Dam Kenneth Mbitur, Yaw Bediako, Benjamin Demah Nuertey, Gordon A Awandare, Peter K Quashie, Gordon A Awandare, Yaw Bediako
EPI_ISL_1258988, EPI_ISL_1258989, EPI_ISL_1258990, EPI_ISL_1258991, EPI_ISL_1258992, EPI_ISL_1258993, EPI_ISL_1258994, EPI_ISL_1258995, EPI_ISL_1258997, EPI_ISL_1258998, EPI_ISL_1258999, EPI_ISL_1259000, EPI_ISL_1259001, EPI_ISL_1259003, EPI_ISL_1259005, EPI_ISL_1259007, EPI_ISL_1259008	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_1259309	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
EPI_ISL_1260917	ULSS 03 Venezia	Istituto Zooprofilattico Sperimentale delle Venezie	Adelaide Milani, Alessia Schivo, Annalisa Salviato, Erika Giorgia Quaranta, Luca Tassoni, Ambra Pastori, Edoardo Giussani, Alice Fusaro, Isabella Monne, Calogero Terregino, Antonia Ricci
EPI_ISL_1261713	Iressef Genomics lab	IRRESSEF	Souleymane MBOUP, Abdou PADANE, Abdoulie KANTEH ,Abdul Karim SESAY , Khadim GUEYE, Papa Alassane DIAW, Birahim Piere NDIAYE, Barada CISSE, Aminata MBOUP, Moustapha MBOW, Ndeye Coumba Toure KANE, Nafisatou LEYE, Gora LO, Ambroise AHOUIDI , Astou Gaye GAYE, Aminata DIA, Yacine DIA
EPI_ISL_1265374, EPI_ISL_1265384	Nebraska Public Health Laboratory	NPHL COVID-19 Response Team	NPHL COVID-19 Response Team

EPI_ISL_1268656, EPI_ISL_1268659, EPI_ISL_1268667, EPI_ISL_1268668, EPI_ISL_1268670, EPI_ISL_1268671, EPI_ISL_1268673, EPI_ISL_1268674, EPI_ISL_1268676, EPI_ISL_1268677, EPI_ISL_1268679, EPI_ISL_1268680, EPI_ISL_1268682, EPI_ISL_1268683, EPI_ISL_1268685, EPI_ISL_1268686, EPI_ISL_1268689, EPI_ISL_1268691, EPI_ISL_1268692, EPI_ISL_1268694, EPI_ISL_1268697, EPI_ISL_1268735, EPI_ISL_1268737			
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EPI_ISL_1268739	Hannover Medical School, Institute of Virology	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1268741, EPI_ISL_1268743, EPI_ISL_1268745, EPI_ISL_1268747, EPI_ISL_1268749, EPI_ISL_1268750, EPI_ISL_1268753, EPI_ISL_1268755, EPI_ISL_1268757	LADR GmbH MVZ Dr. Kramer & Kollegen Geesthacht	Hannover Medical School, Institute of Virology	Lars Steinbrück
EPI_ISL_1278086	Emory Molecular Diagnostics Laboratory, Emory Healthcare	Piantadosi Lab, Emory Department of Pathology	Ahmed Babiker, Anne Piantadosi
EPI_ISL_1278978	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 Kulkela, Hanna Jarva, Maija Lappalainen, Pekka Ellonen, Olli Vapalahti
EPI_ISL_1279700, EPI_ISL_1279701, EPI_ISL_1279702, EPI_ISL_1279703, EPI_ISL_1279783	Institute of Medical Microbiology and Hospital Hygiene	Institute of Medical Microbiology and Hospital Hygiene	Prof. Dr. Achim Kaasch, Aljoscha Tersteegen
EPI_ISL_1296494, EPI_ISL_1296500	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_1299865, EPI_ISL_1299866, EPI_ISL_1299867	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_1300449	Genetica Molecular and Subdepartamento de Virologia ISP Chile	Instituto de Salud Publica de Chile	Javier Tognarelli, Karen Orostica, Barbara Parra, Loredana Arata, Jaime Lagos, Gisselle Barra, Patricia Bustos, Rodrigo Fasce, Andres Castillo, Jorge Fernandez
EPI_ISL_1301442, EPI_ISL_1301443	UCSD EXCITE	NBACC	Michael Schuit, Jennifer Biryukov, Katie Beck, Jason Yoltz, Jordan Bohannon, Wade Weaver, David Miller, Brian Holland, Melissa Krause, Denise Freeburger, Gregory Williams, Stewart Wood, Amanda Graham, M.J. Rosovitz, Adam Bazinet, Aaron Phillips, Sean Lovett, Karla Garcia, Elyse Abbott, Victoria Wahl, Shanna Ratnesar-Shumate, Paul Dabisch
EPI_ISL_1301834, EPI_ISL_1301835, EPI_ISL_1301836, EPI_ISL_1301837	Hopital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Louise Lefrançois, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Leruez-Ville Marianne
EPI_ISL_1308448, EPI_ISL_1308449, EPI_ISL_1308450, EPI_ISL_1308452, EPI_ISL_1308453, EPI_ISL_1308454, EPI_ISL_1308455, EPI_ISL_1308456, EPI_ISL_1308457, EPI_ISL_1308458, EPI_ISL_1308459, EPI_ISL_1308461, EPI_ISL_1308462, EPI_ISL_1308463, EPI_ISL_1308464, EPI_ISL_1308465, EPI_ISL_1308466, EPI_ISL_1308467, EPI_ISL_1308468, EPI_ISL_1308469, EPI_ISL_1308470, EPI_ISL_1308480	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
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EPI_ISL_1308580, EPI_ISL_1308597, EPI_ISL_1308599	University of Exeter	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_1308698	Department of Pathology, University of Cambridge	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_1308835	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	
EPI_ISL_1308974, EPI_ISL_1308975, EPI_ISL_1308976, EPI_ISL_1308977, EPI_ISL_1308978, EPI_ISL_1308989, EPI_ISL_1309005, EPI_ISL_1309007, EPI_ISL_1309008, EPI_ISL_1309009, EPI_ISL_1309010, EPI_ISL_1309012, EPI_ISL_1309013, EPI_ISL_1309014, EPI_ISL_1309015, EPI_ISL_1309016, EPI_ISL_1309017, EPI_ISL_1309018, EPI_ISL_1309019, EPI_ISL_1309020, EPI_ISL_1309021, EPI_ISL_1309029, EPI_ISL_1309031, EPI_ISL_1309032, EPI_ISL_1309034, EPI_ISL_1309036, EPI_ISL_1309041, EPI_ISL_1309044, EPI_ISL_1309046, EPI_ISL_1309048, EPI_ISL_1309049, EPI_ISL_1309092, EPI_ISL_1309093, EPI_ISL_1309094, EPI_ISL_1309121, EPI_ISL_1309124, EPI_ISL_1309125	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_1309434, EPI_ISL_1309436, EPI_ISL_1309437, EPI_ISL_1309438, EPI_ISL_1309439, EPI_ISL_1309440, EPI_ISL_1309441, EPI_ISL_1309442, EPI_ISL_1309443, EPI_ISL_1309444, EPI_ISL_1309447, EPI_ISL_1309448, EPI_ISL_1309449, EPI_ISL_1309457, EPI_ISL_1309458, EPI_ISL_1309486, EPI_ISL_1309487, EPI_ISL_1309556, EPI_ISL_1309557, EPI_ISL_1309558, EPI_ISL_1309562, EPI_ISL_1309563, EPI_ISL_1309564, EPI_ISL_1309567, EPI_ISL_1309568, EPI_ISL_1309569, EPI_ISL_1309570, EPI_ISL_1309572, EPI_ISL_1309573, EPI_ISL_1309574, EPI_ISL_1309575, EPI_ISL_1309576, EPI_ISL_1309577, EPI_ISL_1309578, EPI_ISL_1309579, EPI_ISL_1309580, EPI_ISL_1309581, EPI_ISL_1309582, EPI_ISL_1309583, EPI_ISL_1309584, EPI_ISL_1309585, EPI_ISL_1309586, EPI_ISL_1309587, EPI_ISL_1309588, EPI_ISL_1309589, EPI_ISL_1309590, EPI_ISL_1309591, EPI_ISL_1309592, EPI_ISL_1309593, EPI_ISL_1309594, EPI_ISL_1309595, EPI_ISL_1309596, EPI_ISL_1309599, EPI_ISL_1309600, EPI_ISL_1309601, EPI_ISL_1309602, EPI_ISL_1309604, EPI_ISL_1309605, EPI_ISL_1309606, EPI_ISL_1309607, EPI_ISL_1309609, EPI_ISL_1309611, EPI_ISL_1309634	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_1310289, EPI_ISL_1310290, EPI_ISL_1310327, EPI_ISL_1310362, EPI_ISL_1310363, EPI_ISL_1310364, EPI_ISL_1310365, EPI_ISL_1310403, EPI_ISL_1310404, EPI_ISL_1310405, EPI_ISL_1310406, EPI_ISL_1310407, EPI_ISL_1310408, EPI_ISL_1310409, EPI_ISL_1310410, EPI_ISL_1310411, EPI_ISL_1310412, EPI_ISL_1310413, EPI_ISL_1310414, EPI_ISL_1310415, EPI_ISL_1310416, EPI_ISL_1310417, EPI_ISL_1310418, EPI_ISL_1310419, EPI_ISL_1310420, EPI_ISL_1310421, EPI_ISL_1310422, EPI_ISL_1310423, EPI_ISL_1310424, EPI_ISL_1310425, EPI_ISL_1310426, EPI_ISL_1310427, EPI_ISL_1310428, EPI_ISL_1310429, EPI_ISL_1310430, EPI_ISL_1310431, EPI_ISL_1310432, EPI_ISL_1310433, EPI_ISL_1310434, EPI_ISL_1310435, EPI_ISL_1310436, EPI_ISL_1310437	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_1310999, EPI_ISL_1311094, EPI_ISL_1311099, EPI_ISL_1311101, EPI_ISL_1311122, EPI_ISL_1311128, EPI_ISL_1311129, EPI_ISL_1311130, EPI_ISL_1311131, EPI_ISL_1311132, EPI_ISL_1311133, EPI_ISL_1311134, EPI_ISL_1311135, EPI_ISL_1311149, EPI_ISL_1311150, EPI_ISL_1311151, EPI_ISL_1311152, EPI_ISL_1311153, EPI_ISL_1311159, EPI_ISL_1311160, EPI_ISL_1311161, EPI_ISL_1311162, EPI_ISL_1311163, EPI_ISL_1311164, EPI_ISL_1311165, EPI_ISL_1311166, EPI_ISL_1311167, EPI_ISL_1311168, EPI_ISL_1311187, EPI_ISL_1311250, EPI_ISL_1311302	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_1322358, EPI_ISL_1322359	AX BIO OCEAN	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_1322366	LBM CERBALLIANCE "LA VILLA"	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_1324029, EPI_ISL_1324035, EPI_ISL_1324040, EPI_ISL_1324054, EPI_ISL_1324055, EPI_ISL_1324056, EPI_ISL_1324057, EPI_ISL_1324058, EPI_ISL_1324059, EPI_ISL_1324060, EPI_ISL_1324061, EPI_ISL_1324067, EPI_ISL_1324093, EPI_ISL_1324094	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.
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EPI_ISL_1334653	Public Health Ontario Laboratory	Public Health Ontario Laboratory	
EPI_ISL_1358206, EPI_ISL_1358209	Department of Virology I, National Institute of Infectious Diseases	Department of Veterinary Science, National Institute of Infectious Diseases	Yudai Kuroda, Tsukasa Yamamoto, Keita Ishijima, Tadaki Suzuki, Souichi Yamada, Shuetsu Fukushima, Ken Maeda

EPI_ISL_1361834, EPI_ISL_1361835, EPI_ISL_1361906, EPI_ISL_1361907	Institute of Medical Microbiology and Hospital Hygiene	Institute of Medical Microbiology and Hospital Hygiene	Prof. Dr. Achim Kaasch, Aljoscha Tersteegen
EPI_ISL_1366727	Institute of Microbiology, Universidad San Francisco de Quito	Institute of Microbiology, Universidad San Francisco de Quito	Belén Prado-Vivar, Sully Márquez, Juan José Guadalupe, Monica Becerra-Wong, Bernardo Gutiérrez, Verónica Barragán, Patricio Rojas-Silva, Gabriel Trueba, Michelle Grunauer, Paúl Cárdenas
EPI_ISL_1366737, EPI_ISL_1366738	Institute of Microbiology, Universidad San Francisco de Quito	Institute of Microbiology, Universidad San Francisco de Quito	Belén Prado-Vivar, Sully Márquez, Juan José Guadalupe, Monica Becerra-Wong, Bernardo Gutiérrez, Paul Lopez, Verónica Barragán, Patricio Rojas-Silva, Gabriel Trueba, Michelle Grunauer, Paúl Cárdenas
EPI_ISL_1371812	CENTRE HOSPITALIER INTERCOMMUNAL	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_1371816	SYNLAB CHARENTES	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_1371839, EPI_ISL_1371840, EPI_ISL_1371842	LABORATOIRE ACCOLAB SUD OUEST	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_1379436, EPI_ISL_1379437	Department of Molecular and Translational Medicine, Section of Microbiology, University of Brescia, ASST Spedali Civili, Brescia	Department of Molecular and Translational Medicine, Section of Microbiology, University of Brescia, ASST Spedali Civili, Brescia	Francesca Caccuri, Alberto Zani, Serena Messali, Anna Bertelli, Simona Fiorentini, Arnaldo Caruso
EPI_ISL_1381165, EPI_ISL_1381166, EPI_ISL_1381167, EPI_ISL_1381168, EPI_ISL_1381169, EPI_ISL_1381170, EPI_ISL_1381171, EPI_ISL_1381172, EPI_ISL_1381173, EPI_ISL_1381174, EPI_ISL_1381175, EPI_ISL_1381176, EPI_ISL_1381177, EPI_ISL_1381178, EPI_ISL_1381179, EPI_ISL_1381180, EPI_ISL_1381181, EPI_ISL_1381182, EPI_ISL_1381183, EPI_ISL_1381184, EPI_ISL_1381185, EPI_ISL_1381189, EPI_ISL_1381190, EPI_ISL_1381191			
see above	Hospital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Louise Lefrançois, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Bressollette CéLine
EPI_ISL_1381386	Centers for Disease Control, R.O.C. (Taiwan)	Centers for Disease Control, R.O.C. (Taiwan)	Ji-Rong Yang, Yu-Chi Lin, Jung-Jung Mu, Ming-Tsan Liu
EPI_ISL_1381822	Hospital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Louise Lefrançois, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Bressollette CéLine
EPI_ISL_1386412, EPI_ISL_1386414, EPI_ISL_1386415, EPI_ISL_1386420, EPI_ISL_1386422, EPI_ISL_1386423, EPI_ISL_1386425, EPI_ISL_1386428, EPI_ISL_1386429, EPI_ISL_1386430, EPI_ISL_1386431, EPI_ISL_1386432, EPI_ISL_1386435, EPI_ISL_1386436, EPI_ISL_1386437, EPI_ISL_1386438, EPI_ISL_1386442, EPI_ISL_1386443, EPI_ISL_1386444, EPI_ISL_1386445, EPI_ISL_1386446, EPI_ISL_1386447, EPI_ISL_1386448, EPI_ISL_1386449, EPI_ISL_1386452, EPI_ISL_1386454, EPI_ISL_1386457, EPI_ISL_1386459, EPI_ISL_1386462, EPI_ISL_1386463, EPI_ISL_1386465, EPI_ISL_1386466, EPI_ISL_1386467, EPI_ISL_1386469			
see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Elumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1386523, EPI_ISL_1386529, EPI_ISL_1386534, EPI_ISL_1386535, EPI_ISL_1386536, EPI_ISL_1386537, EPI_ISL_1386539	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_1386576, EPI_ISL_1386582, EPI_ISL_1386584, EPI_ISL_1386585, EPI_ISL_1386587	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_1386860, EPI_ISL_1386901, EPI_ISL_1386902, EPI_ISL_1386909	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_1387053, EPI_ISL_1387055, EPI_ISL_1387056, EPI_ISL_1387057, EPI_ISL_1387058, EPI_ISL_1387059, EPI_ISL_1387060, EPI_ISL_1387076, EPI_ISL_1387086, EPI_ISL_1387087, EPI_ISL_1387089, EPI_ISL_1387092, EPI_ISL_1387093, EPI_ISL_1387101, EPI_ISL_1387102, EPI_ISL_1387103, EPI_ISL_1387104, EPI_ISL_1387105, EPI_ISL_1387106, EPI_ISL_1387107, EPI_ISL_1387109, EPI_ISL_1387110, EPI_ISL_1387111, EPI_ISL_1387112			
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_1388654, EPI_ISL_1388656, EPI_ISL_1388658, EPI_ISL_1388741, EPI_ISL_1388762, EPI_ISL_1388811, EPI_ISL_1388814, EPI_ISL_1388816, EPI_ISL_1388822, EPI_ISL_1388826, EPI_ISL_1388828, EPI_ISL_1388831, EPI_ISL_1388832, EPI_ISL_1388835, EPI_ISL_1388837, EPI_ISL_1388839, EPI_ISL_1388841, EPI_ISL_1388843, EPI_ISL_1388846, EPI_ISL_1388848, EPI_ISL_1388849, EPI_ISL_1388851, EPI_ISL_1388853, EPI_ISL_1388855, EPI_ISL_1388857, EPI_ISL_1388859, EPI_ISL_1388861			
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_1390395, EPI_ISL_1390681	IZSM	TIGEM	Antonio Grimaldi, Patrizia Annunziata, Francesco Panariello, Biancamaria Pierri Claudia Tiberio Valentina Bouche, Chiara Colantuono, Maria Concetta Cuomo, Denise Di Concilio, Lucio Di Filippo, Anna Manfredi, Marcello Salvi, Antonio Limone Luigi Atripaldi, Pellegrino Cerino, Andrea Ballabio, Davide Cacchiarelli
EPI_ISL_1397958, EPI_ISL_1397959, EPI_ISL_1397960, EPI_ISL_1398039	Department of Virology	Department of Virology	Massab Umair, Aamer Ikram, Muhammad Salman, Nazish Badar, Sana Tamim, Zaira Rehman, Abdul Ahad, Shannon Whitmer, Melissa Mobley, Austin Leach, Ketan Patel, Joel Montgomery, John Kiena
EPI_ISL_1403609	Molecular Virology Unit, Microbiology and Virology Department, Fondazione IRCCS Policlinico San Matteo, Pavia	Molecular Virology Unit, Microbiology and Virology Department, Fondazione IRCCS Policlinico San Matteo, Pavia	Federica Giardina, Guglielmo Ferrari, Stefano Giaresa, Gherard Batisti Biffignandi, Stefania Paolucci, Antonio Piralla, Fausto Baldanti
EPI_ISL_1413895	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1417067, EPI_ISL_1417070	Hospital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Frédéric Lemoine, Corinne Maufrais, Gael Millot, Christophe Malabat, Méline Bizard, Angela Brisebarre, Camille Capel, Louise Lefrançois, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Mj Dufour
EPI_ISL_1423681	Hospital San Pedro de Alcántara (Cáceres)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Cristina Muñoz Cuevas, Guadalupe Rodríguez Rodríguez and SeqCOVID-SPAIN consortium
EPI_ISL_1424239, EPI_ISL_1424248, EPI_ISL_1424249	Istituto Zooprofilattico Sperimentale del Mezzogiorno	TIGEM	Antonio Grimaldi, Patrizia Annunziata, Francesco Panariello, Biancamaria Pierri Claudia Tiberio Valentina Bouche, Chiara Colantuono, Maria Concetta Cuomo, Denise Di Concilio, Lucio Di Filippo, Anna Manfredi, Marcello Salvi, Antonio Limone Luigi Atripaldi, Pellegrino Cerino, Andrea Ballabio, Davide Cacchiarelli
EPI_ISL_1426580, EPI_ISL_1426581	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_1463544, EPI_ISL_1463545	Aesculabor Hamburg, Institut der Labormedizin	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Alexis Robitaille, Thomas Günther, Johannes Knobloch, Martin Aepfelbacher, Nicole Fischer, Adam Grundhoff
EPI_ISL_1463546	Labor Dr. Heidrich & Kollegen, Medizinisches Versorgungszentrum GmbH	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Alexis Robitaille, Thomas Günther, Johannes Knobloch, Martin Aepfelbacher, Nicole Fischer, Adam Grundhoff
EPI_ISL_1463666, EPI_ISL_1463707, EPI_ISL_1463708, EPI_ISL_1463728, EPI_ISL_1463730, EPI_ISL_1463734, EPI_ISL_1463737, EPI_ISL_1463739, EPI_ISL_1463742, EPI_ISL_1463745, EPI_ISL_1463763, EPI_ISL_1463800, EPI_ISL_1463801, EPI_ISL_1463803, EPI_ISL_1463810, EPI_ISL_1463822			
see above	Labor Dr. Fenner und Kollegen	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Alexis Robitaille, Thomas Günther, Johannes Knobloch, Martin Aepfelbacher, Nicole Fischer, Adam Grundhoff
EPI_ISL_751801	UCSD EXCITE	Andersen lab at Scripps Research	SEARCH Alliance San Diego

EPI_ISL_754302	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_755574	Center of Advanced Studies and Technology, CAST	Center of Advanced Studies and Technology, CAST	Ferrante,R., Mandatori,D., De Fabritiis,S.
EPI_ISL_755632	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 Ely, 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_756274	Hospital General Universitario Gregorio Marañón	Hospital General Universitario Gregorio Marañón	Sergio Buenestado Serrano, Pedro Sola Campoy, Pilar Catalán, Patricia Muñoz, Darío García de Viedma.
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EPI_ISL_763888	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Grant Hall, Iliana Georgana, Myra Hosmillo, Martin D. Curran, Malte Pinckert, Surendra Parmar, Ian Goodfellow
EPI_ISL_766022, EPI_ISL_766023, EPI_ISL_766027	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, Olli Vapalahti, Maija Lappalainen, Satu Kurkela
EPI_ISL_766221	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_766694	Klinisk mikrobiologi	The Public Health Agency of Sweden	Department of Microbiology, The Public Health Agency of Sweden
EPI_ISL_766697	Klinisk mikrobiologi, bakteriologi	The Public Health Agency of Sweden	Department of Microbiology, The Public Health Agency of Sweden
EPI_ISL_766699	A05 Biomedicum	The Public Health Agency of Sweden	Department of Microbiology, The Public Health Agency of Sweden
EPI_ISL_767013	University of Bari Biomedical Sciences and Human Oncology	University of Bari Biomedical Sciences and Human Oncology	Maria Chironna, Anna Sallustio, Daniela Loconsole, Marisa Accogli
EPI_ISL_768824	Laboratoire BIOLAB33	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolynne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_768829	Hôpital d'Instruction des Armées Sainte-Anne	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolynne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_768830	Laboratoire BIOMED 05	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolynne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_770880, EPI_ISL_770881	Laboratoire national de santé, Microbiology, Virology	Laboratoire national de santé, Microbiology, Microbial Genomics Platform	Anke Wienecke-Baldacchino, Catherine Ragimbeau,Jessica Tapp, Fatu Djabi, Lise Pignon, Raoul Salmon, Tamir Abdelrahman
EPI_ISL_771367	SA Pathology	SA Pathology	Lex Leong, Julien Soubrier, Chuan Kok Lim, Song Gao, Mark Turra, Karin Kassahn, Ivan Bastian, Geoff Higgins
EPI_ISL_775557	ABC	The Public Health Agency of Sweden	Department of Microbiology, The Public Health Agency of Sweden
EPI_ISL_776776, EPI_ISL_776780, EPI_ISL_776781, EPI_ISL_776782, EPI_ISL_776783, EPI_ISL_776784, EPI_ISL_776785, EPI_ISL_776786, EPI_ISL_776787	Israel Central Virology laboratory	Israel Central Virology laboratory	Neta Zuckerman, Efrat Dahan Bucris, Oran Erster, Michal Mandelboim, Orna Mor, Ella Mendelsson
EPI_ISL_778842	Clinical Pathology Labs	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Ying Tao Yan Li Jing Zhang Krista Queen Anna Uehara Peter Cook Clinton R. Paden Haibin Wang Suxiang Tong
EPI_ISL_779211, EPI_ISL_779237, EPI_ISL_779238	Pathogen Genomics Center, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Rina Tanaka, Masanori Hashino, Makoto Kuroda
EPI_ISL_779413	Royal Darwin Hospital Pathology	MDU-PHL	Meumann, E., Caly L., Seemann T., Sait, M.L., Druce J., Sherry, N.L.
EPI_ISL_779621	Victorian Infectious Diseases Reference Laboratory (VIDRL)	VIDRL and MDU-PHL	Caly L., Seemann T., Sait, M.L., Druce J., Sherry, N.L.
EPI_ISL_779651	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Bořšová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Andrej Belák, Tomáš Vina, Jozef Nosek, Boris Klempa
EPI_ISL_779652	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Bořšová, Viktória abanová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Andrej Belák, Tomáš Vina, Boris Klempa, Jozef Nosek
EPI_ISL_779653	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Bořšová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Andrej Belák, Tomáš Vina, Jozef Nosek, Boris Klempa
EPI_ISL_779654	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Kristína Bořšová, Viktória abanová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Andrej Belák, Tomáš Vina, Boris Klempa, Jozef Nosek
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EPI_ISL_779657, EPI_ISL_779658, EPI_ISL_779659	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 Bořšová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Andrej Belák, Tomáš Vina, Jozef Nosek, Boris Klempa
EPI_ISL_779660	Institute of Virology, Biomedical Research Center of the Slovak Academy of Sciences, Bratislava	Faculty of Natural Sciences, Comenius University, Bratislava	Viktória abanová, Kristína Bořšová, Broa Brejová, Viktória Hodorová, Sabina Fumaová Havlíková, Juraj Kopáek, Martina Liková, ubomíra Lukáiková, Martina Neboháová, Monika Sláviková, Andrej Belák, Tomáš Vina, Jozef Nosek, Boris Klempa
EPI_ISL_789061, EPI_ISL_789062, EPI_ISL_789063, EPI_ISL_789064, EPI_ISL_789065, EPI_ISL_789066, EPI_ISL_789073, EPI_ISL_789074, EPI_ISL_789075, EPI_ISL_789076, EPI_ISL_789077, EPI_ISL_789078, EPI_ISL_789079, EPI_ISL_789080, EPI_ISL_789081, EPI_ISL_789082, EPI_ISL_789083, EPI_ISL_789094, EPI_ISL_789095, EPI_ISL_789096, EPI_ISL_789097, EPI_ISL_789098, EPI_ISL_789099, EPI_ISL_789100, EPI_ISL_789101	see above	National Virus Reference Laboratory	Michael Carr, Gabriel Gonzalez, Dana Alalwan, Jonathan Dean, Daniel Hare, Cillian F De Gascun
EPI_ISL_790573, EPI_ISL_790574, EPI_ISL_790588	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, 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_791193	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_791279	South Eastern Area Laboratory Services (SEALS)	NSW Health Pathology - Institute of Clinical Pathology and Medical Research; Westmead Hospital; University of Sydney	CIDM-PH et al.
EPI_ISL_793179, EPI_ISL_793180, EPI_ISL_793181, EPI_ISL_793182, EPI_ISL_793183, EPI_ISL_793184, EPI_ISL_793185, EPI_ISL_793186, EPI_ISL_793187, EPI_ISL_793188, EPI_ISL_793189, EPI_ISL_793190, EPI_ISL_793191, EPI_ISL_793192, EPI_ISL_793193, EPI_ISL_793399	see above	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Danish Covid-19 Genome Consortium
EPI_ISL_794592	Laboratorio Estatal de Salud Pública de Tamaulipas	Instituto de diagnóstico y Referencia Epidemiológicos (INDRE)	Abril Rodríguez-Maldonado, Claudia Wong-Arambula, Fabiola Garces-Ayala, Gisela Barrera-Badillo, Ana Maria Cortez-Calderon, Bernardita Reyes-Berrones, Hilda del Carmen-Selvera, Gloria Molina-Gamboa, Lucia Hernandez-Rivas, Irma Lopez-Martinez, Celia Alpuque-Aranda, Jose Luis Alomia-Zegarra, Hugo Lopez Gatell-Ramirez, Ernesto Ramirez-Gonzalez.

EPI_ISL_794610, EPI_ISL_794612, EPI_ISL_794615, EPI_ISL_794616, EPI_ISL_794617, EPI_ISL_794618, EPI_ISL_794619	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_794624, EPI_ISL_794625	Middlemore Hospital	Institute of Environmental Science and Research (ESR)	Xiaoyun Ren, Matt Storey, Nikki Freed, Muhammad Faisal, Jing Wang, Hermes Perez, Anja Werno, Antje van der Linden, Arlo Upton, Chris Mansell, David Hammer, Dragana Drinkovic, Gary McAuliffe, Hana Sofia Andersson, James Ussher, Jill Sherwood, Josh Freeman, Julia Howard, Juliet Elvy, Mary DeAlmeida, Matt Blakiston, Matthew Rogers, Max Bloomfield, Michael Addidle, Michelle Balm, Sally Roberts, Sarah Jefferies, Sharmini Muttaiyah, Susan Morpeth, Susan Taylor, Timothy Blackmore, Vani Sathyendran, Veronica Playle, Virginia Hope, Erasmus Smit, Lauren Jelly, Olin Silander, Joep de Ligt	
EPI_ISL_794675	PathWest Laboratory Medicine WA	PathWest Laboratory Medicine WA Microbial Surveillance Unit	PathWest Laboratory Medicine WA Microbial Surveillance Unit	
EPI_ISL_794818, EPI_ISL_794819, EPI_ISL_794820, EPI_ISL_794824	Greek Genome Center, Biomedical Research Foundation of the Academy of Athens (BRFAA)	Greek Genome Center, Biomedical Research Foundation of the Academy of Athens (BRFAA)	Emmanouil Athanasiadis, Ioannis Vatsellas, Thodoris Loupis, Christina Maria Kravvari, Katerina Zoi, Dimitrios Thanos	
EPI_ISL_795189, EPI_ISL_795190, EPI_ISL_795191, EPI_ISL_795192, EPI_ISL_795193, EPI_ISL_795194, EPI_ISL_795195, EPI_ISL_795196, EPI_ISL_795197, EPI_ISL_795198, EPI_ISL_795199, EPI_ISL_795200, EPI_ISL_795201, EPI_ISL_795202, EPI_ISL_795203, EPI_ISL_795204, EPI_ISL_795205, EPI_ISL_795206, EPI_ISL_795207, EPI_ISL_795248	see above	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Danish Covid-19 Genome Consortium	
EPI_ISL_796661	Norwegian Institute of Public Health, Department of Virology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes	
EPI_ISL_796734, EPI_ISL_796752, EPI_ISL_796753, EPI_ISL_796754, EPI_ISL_796761, EPI_ISL_796768, EPI_ISL_796771, EPI_ISL_796774	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al	
EPI_ISL_796784, EPI_ISL_796785, EPI_ISL_796786, EPI_ISL_796787, EPI_ISL_796788, EPI_ISL_796790, EPI_ISL_796791, EPI_ISL_796792, EPI_ISL_796793, EPI_ISL_796794, EPI_ISL_796797, EPI_ISL_796798, EPI_ISL_796799, EPI_ISL_796800, EPI_ISL_796801, EPI_ISL_796802, EPI_ISL_796803, EPI_ISL_796804, EPI_ISL_796808, EPI_ISL_796813, EPI_ISL_796814, EPI_ISL_796816, EPI_ISL_796817, EPI_ISL_796818, EPI_ISL_796819, EPI_ISL_796821, EPI_ISL_796822, EPI_ISL_796824, EPI_ISL_796826, EPI_ISL_796827, EPI_ISL_796828, EPI_ISL_796829, EPI_ISL_796830, EPI_ISL_796831, EPI_ISL_796832, EPI_ISL_796833, EPI_ISL_796836, EPI_ISL_796837, EPI_ISL_796839, EPI_ISL_796840, EPI_ISL_796844, EPI_ISL_796845, EPI_ISL_796847, EPI_ISL_796848, EPI_ISL_796852, EPI_ISL_796853, EPI_ISL_796856, EPI_ISL_796857, EPI_ISL_796859, EPI_ISL_796864, EPI_ISL_796867, EPI_ISL_796869, EPI_ISL_796871, EPI_ISL_796872, EPI_ISL_796873, EPI_ISL_796875, EPI_ISL_796876, EPI_ISL_796878, EPI_ISL_796879, EPI_ISL_796881, EPI_ISL_796882, EPI_ISL_796884, EPI_ISL_796886, EPI_ISL_796888, EPI_ISL_796890, EPI_ISL_796891, EPI_ISL_796894, EPI_ISL_796895, EPI_ISL_796896, EPI_ISL_796898, EPI_ISL_796900, EPI_ISL_796901, EPI_ISL_796902, EPI_ISL_796903, EPI_ISL_796904, EPI_ISL_796905, EPI_ISL_796907, EPI_ISL_796908, EPI_ISL_796909, EPI_ISL_796910, EPI_ISL_796911, EPI_ISL_796914, EPI_ISL_796916, EPI_ISL_796917, EPI_ISL_796918, EPI_ISL_796919, EPI_ISL_796924, EPI_ISL_796925, EPI_ISL_796926, EPI_ISL_796927, EPI_ISL_796928, EPI_ISL_796930, EPI_ISL_796931, EPI_ISL_796932, EPI_ISL_796933, EPI_ISL_796934, EPI_ISL_796936, EPI_ISL_796937, EPI_ISL_796938, EPI_ISL_796940, EPI_ISL_796941, EPI_ISL_796944, EPI_ISL_796945, EPI_ISL_796946, EPI_ISL_796947, EPI_ISL_796948, EPI_ISL_796950, EPI_ISL_796953, EPI_ISL_796954, EPI_ISL_796955, EPI_ISL_796956, EPI_ISL_796957, EPI_ISL_796959, EPI_ISL_796960, EPI_ISL_796962, EPI_ISL_796963, EPI_ISL_796964, EPI_ISL_796967, EPI_ISL_796969, EPI_ISL_796973, EPI_ISL_796976, EPI_ISL_796977, EPI_ISL_796978, EPI_ISL_796980, EPI_ISL_796982, EPI_ISL_796984, EPI_ISL_796986, EPI_ISL_796988, EPI_ISL_796989, EPI_ISL_796991, EPI_ISL_796992, EPI_ISL_796994, EPI_ISL_796996, EPI_ISL_796997, EPI_ISL_796998, EPI_ISL_796999, EPI_ISL_797000, EPI_ISL_797003, EPI_ISL_797004, EPI_ISL_797007, EPI_ISL_797008, EPI_ISL_797010, EPI_ISL_797011, EPI_ISL_797012, EPI_ISL_797013, EPI_ISL_797014, EPI_ISL_797015, EPI_ISL_797016, EPI_ISL_797017, EPI_ISL_797018, EPI_ISL_797019, EPI_ISL_797020, EPI_ISL_797021, EPI_ISL_797022, EPI_ISL_797023, EPI_ISL_797024, EPI_ISL_797025, EPI_ISL_797026, EPI_ISL_797027, EPI_ISL_797028, EPI_ISL_797029, EPI_ISL_797030, EPI_ISL_797031, EPI_ISL_797032, EPI_ISL_797033, EPI_ISL_797034, EPI_ISL_797035, EPI_ISL_797036, EPI_ISL_797037, EPI_ISL_797038, EPI_ISL_797039, EPI_ISL_797040, EPI_ISL_797041, EPI_ISL_797042, EPI_ISL_797043, EPI_ISL_797044, EPI_ISL_797045, EPI_ISL_797046, EPI_ISL_797047, EPI_ISL_797049, EPI_ISL_797050, EPI_ISL_797051, EPI_ISL_797052, EPI_ISL_797053, EPI_ISL_797054, EPI_ISL_797055, EPI_ISL_797056, EPI_ISL_797057, EPI_ISL_797058, EPI_ISL_797059, EPI_ISL_797060, EPI_ISL_797061, EPI_ISL_797062, EPI_ISL_797063, EPI_ISL_797064, EPI_ISL_797065, EPI_ISL_797066, EPI_ISL_797067, EPI_ISL_797069, EPI_ISL_797070, EPI_ISL_797071, EPI_ISL_797072, EPI_ISL_797074, EPI_ISL_797075, EPI_ISL_797076, EPI_ISL_797077, EPI_ISL_797078, EPI_ISL_797080, EPI_ISL_797081, EPI_ISL_797082, EPI_ISL_797083, EPI_ISL_797084, EPI_ISL_797085, EPI_ISL_797086, EPI_ISL_797087, EPI_ISL_797088, EPI_ISL_797091, EPI_ISL_797092, EPI_ISL_797093, EPI_ISL_797094, EPI_ISL_797096, EPI_ISL_797097, EPI_ISL_797098, EPI_ISL_797099, EPI_ISL_797100, EPI_ISL_797101, EPI_ISL_797102, EPI_ISL_797103, EPI_ISL_797104, EPI_ISL_797105, EPI_ISL_797107, EPI_ISL_797108, EPI_ISL_797109, EPI_ISL_797110, EPI_ISL_797111, EPI_ISL_797114, EPI_ISL_797115, EPI_ISL_797116	see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_797118, EPI_ISL_797120, EPI_ISL_797121, EPI_ISL_797122, EPI_ISL_797123, EPI_ISL_797124, EPI_ISL_797125, EPI_ISL_797126, EPI_ISL_797127, EPI_ISL_797128, EPI_ISL_797129, EPI_ISL_797130, EPI_ISL_797131, EPI_ISL_797132, EPI_ISL_797133, EPI_ISL_797134, EPI_ISL_797135, EPI_ISL_797136, EPI_ISL_797139, EPI_ISL_797140, EPI_ISL_797141, EPI_ISL_797142, EPI_ISL_797144, EPI_ISL_797145, EPI_ISL_797146, EPI_ISL_797147, EPI_ISL_797148, EPI_ISL_797150, EPI_ISL_797151, EPI_ISL_797152, EPI_ISL_797154, EPI_ISL_797155, EPI_ISL_797156, EPI_ISL_797157, EPI_ISL_797158, EPI_ISL_797160, EPI_ISL_797161, EPI_ISL_797162, EPI_ISL_797163, EPI_ISL_797165, EPI_ISL_797166, EPI_ISL_797167, EPI_ISL_797168, EPI_ISL_797169, EPI_ISL_797170, EPI_ISL_797171, EPI_ISL_797172, EPI_ISL_797173, EPI_ISL_797174, EPI_ISL_797175, EPI_ISL_797176, EPI_ISL_797177, EPI_ISL_797178, EPI_ISL_797179, EPI_ISL_797180, EPI_ISL_797181, EPI_ISL_797182, EPI_ISL_797183, EPI_ISL_797184, EPI_ISL_797185, EPI_ISL_797186, EPI_ISL_797187, EPI_ISL_797188, EPI_ISL_797189, EPI_ISL_797190, EPI_ISL_797191, EPI_ISL_797192, EPI_ISL_797193, EPI_ISL_797196, EPI_ISL_797197, EPI_ISL_797199, EPI_ISL_797200, EPI_ISL_797201, EPI_ISL_797202, EPI_ISL_797203, EPI_ISL_797204, EPI_ISL_797205, EPI_ISL_797206, EPI_ISL_797207, EPI_ISL_797209, EPI_ISL_797210, EPI_ISL_797212, EPI_ISL_797213, EPI_ISL_797214, EPI_ISL_797215, EPI_ISL_797216, EPI_ISL_797217, EPI_ISL_797218, EPI_ISL_797219, EPI_ISL_797220, EPI_ISL_797221, EPI_ISL_797222, EPI_ISL_797224, EPI_ISL_797225, EPI_ISL_797226, EPI_ISL_797227, EPI_ISL_797228, EPI_ISL_797230, EPI_ISL_797231, EPI_ISL_797232, EPI_ISL_797233, EPI_ISL_797234, EPI_ISL_797235, EPI_ISL_797236, EPI_ISL_797237, EPI_ISL_797238, EPI_ISL_797239, EPI_ISL_797240, EPI_ISL_797241, EPI_ISL_797242, EPI_ISL_797243, EPI_ISL_797244, EPI_ISL_797245, EPI_ISL_797246, EPI_ISL_797247, EPI_ISL_797248, EPI_ISL_797249, EPI_ISL_797250, EPI_ISL_797251, EPI_ISL_797252, EPI_ISL_797253, EPI_ISL_797254, EPI_ISL_797255, EPI_ISL_797256, EPI_ISL_797257, EPI_ISL_797258, EPI_ISL_797259, EPI_ISL_797260, EPI_ISL_797261, EPI_ISL_797262, EPI_ISL_797263, EPI_ISL_797264, EPI_ISL_797265, EPI_ISL_797267, EPI_ISL_797268, EPI_ISL_797269, EPI_ISL_797270, EPI_ISL_797271, EPI_ISL_797272, EPI_ISL_797273, EPI_ISL_797274, EPI_ISL_797275, EPI_ISL_797276, EPI_ISL_797277, EPI_ISL_797278, EPI_ISL_797279, EPI_ISL_797280, EPI_ISL_797281, EPI_ISL_797282, EPI_ISL_797283, EPI_ISL_797284, EPI_ISL_797285, EPI_ISL_797286, EPI_ISL_797287, EPI_ISL_797288, EPI_ISL_797289, EPI_ISL_797290, EPI_ISL_797291, EPI_ISL_797292, EPI_ISL_797293, EPI_ISL_797294, EPI_ISL_797295, EPI_ISL_797296, EPI_ISL_797297, EPI_ISL_797298, EPI_ISL_797299, EPI_ISL_797300, EPI_ISL_797301, EPI_ISL_797302, EPI_ISL_797303, EPI_ISL_797304, EPI_ISL_797305, EPI_ISL_797306, EPI_ISL_797308, EPI_ISL_797310, EPI_ISL_797313, EPI_ISL_797314, EPI_ISL_797315, EPI_ISL_797316, EPI_ISL_797317, EPI_ISL_797318, EPI_ISL_797320, EPI_ISL_797321, EPI_ISL_797321, EPI_ISL_797322, EPI_ISL_797323, EPI_ISL_797324, EPI_ISL_797326, EPI_ISL_797327, EPI_ISL_797328, EPI_ISL_797329, EPI_ISL_797330, EPI_ISL_797331, EPI_ISL_797333, EPI_ISL_797334, EPI_ISL_797335, EPI_ISL_797336, EPI_ISL_797337, EPI_ISL_797339, EPI_ISL_797340, EPI_ISL_797341, EPI_ISL_797342, EPI_ISL_797343, EPI_ISL_797345, EPI_ISL_797347, EPI_ISL_797348, EPI_ISL_797349, EPI_ISL_797350, EPI_ISL_797351, EPI_ISL_797352, EPI_ISL_797353, EPI_ISL_797354, EPI_ISL_797355, EPI_ISL_797356, EPI_ISL_797357, EPI_ISL_797358, EPI_ISL_797359, EPI_ISL_797361, EPI_ISL_797362, EPI_ISL_797363, EPI_ISL_797364, EPI_ISL_797365, EPI_ISL_797366, EPI_ISL_797368, EPI_ISL_797369, EPI_ISL_797370, EPI_ISL_797371, EPI_ISL_797372, EPI_ISL_797376, EPI_ISL_797378, EPI_ISL_797380, EPI_ISL_797382, EPI_ISL_797383, EPI_ISL_797384, EPI_ISL_797385, EPI_ISL_797386, EPI_ISL_797387, EPI_ISL_797388, EPI_ISL_797389, EPI_ISL_797390, EPI_ISL_797391, EPI_ISL_797392, EPI_ISL_797393, EPI_ISL_797395, EPI_ISL_797396	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_797397, EPI_ISL_797398	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	
EPI_ISL_797399	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_797401	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	
EPI_ISL_797402	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_797403, EPI_ISL_797404, EPI_ISL_797406, EPI_ISL_797407	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	
EPI_ISL_797409	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_797410	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	
EPI_ISL_797411	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_797412	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	
EPI_ISL_797413	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_797414, EPI_ISL_797415	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	
EPI_ISL_797416	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team	

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[illegible]

	(COG-UK) Consortium	Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_798793, EPI_ISL_798804, EPI_ISL_798814, EPI_ISL_798819 EPI_ISL_798825	Lighthouse Lab in Alderley Park Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798826, EPI_ISL_798833	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798834, EPI_ISL_798841 EPI_ISL_798845	Lighthouse Lab in Cambridge Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798848	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798850, EPI_ISL_798852, EPI_ISL_798869, EPI_ISL_798872, EPI_ISL_798878, EPI_ISL_798884, EPI_ISL_798891 EPI_ISL_798907	Lighthouse Lab in Alderley Park Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798914, EPI_ISL_798924, EPI_ISL_798926 EPI_ISL_798931	Lighthouse Lab in Alderley Park Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798934, EPI_ISL_798939 EPI_ISL_798944	Lighthouse Lab in Alderley Park Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798952, EPI_ISL_798962, EPI_ISL_798968, EPI_ISL_798969 EPI_ISL_798985	Lighthouse Lab in Alderley Park Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_798991, EPI_ISL_799000, EPI_ISL_799003 EPI_ISL_799006, EPI_ISL_799009, EPI_ISL_799011, EPI_ISL_799012, EPI_ISL_799019 EPI_ISL_799020	Lighthouse Lab in Alderley Park Lighthouse Lab in Glasgow Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799021, EPI_ISL_799023 EPI_ISL_799024	Lighthouse Lab in Alderley Park Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799025	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799027, EPI_ISL_799028 EPI_ISL_799031	Lighthouse Lab in Glasgow Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799040	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799041, EPI_ISL_799042, EPI_ISL_799043, EPI_ISL_799044, EPI_ISL_799046, EPI_ISL_799051 EPI_ISL_799057	Lighthouse Lab in Glasgow Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799060, EPI_ISL_799064, EPI_ISL_799066, EPI_ISL_799067, EPI_ISL_799071, EPI_ISL_799072, EPI_ISL_799073 EPI_ISL_799074	Lighthouse Lab in Glasgow Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799075, EPI_ISL_799080 EPI_ISL_799083	Lighthouse Lab in Glasgow Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799084	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
EPI_ISL_799085	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK

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EPI_ISL_803860, EPI_ISL_803861, EPI_ISL_803862, EPI_ISL_803863, EPI_ISL_803864			
EPI_ISL_803894	Robert Koch Institut	Robert Koch Institut	Annika Brinkmann, Janine Michel, Livia Schrick, Steven Uddin, Dominique Seifert, Alexander Dalpke, Leo Büttner, Kristina Hochauf-Stange, Dirk Lindemann, Lars Schaade, Andreas Nitsche
EPI_ISL_803959, EPI_ISL_803960, EPI_ISL_803961	National Public Health Laboratory, National Centre for Infectious Diseases	National Public Health Laboratory, National Centre for Infectious Diseases	Tze Minn Mak, Sophie Octavia, Zhenyang Zhou, Lin Cui, Raymond Tzer Pin Lin
EPI_ISL_804056, EPI_ISL_804057, EPI_ISL_804059, EPI_ISL_804060, EPI_ISL_804061, EPI_ISL_804062, EPI_ISL_804064, EPI_ISL_804065, EPI_ISL_804066, EPI_ISL_804067, EPI_ISL_804068, EPI_ISL_804069, EPI_ISL_804070, EPI_ISL_804071, EPI_ISL_804072, EPI_ISL_804073, EPI_ISL_804074, EPI_ISL_804075, EPI_ISL_804076, EPI_ISL_804077, EPI_ISL_804078, EPI_ISL_804079, EPI_ISL_804080, EPI_ISL_804081, EPI_ISL_804082, EPI_ISL_804083, EPI_ISL_804193, EPI_ISL_804194, EPI_ISL_804195, EPI_ISL_804196, EPI_ISL_804197, EPI_ISL_804198, EPI_ISL_804199, EPI_ISL_804200, EPI_ISL_804201			
see above	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valencí, Mor Rubinstein, Efrat Rorman, Israel Nissán, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_804222, EPI_ISL_804223, EPI_ISL_804224, EPI_ISL_804242, EPI_ISL_804243, EPI_ISL_804244, EPI_ISL_804245, EPI_ISL_804246, EPI_ISL_804247, EPI_ISL_804248, EPI_ISL_804251, EPI_ISL_804252			
see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_804946	BIO-REFERENCE 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, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_804982, EPI_ISL_804983, EPI_ISL_804984	BIO-REFERENCE 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_811040, EPI_ISL_811041, EPI_ISL_811042, EPI_ISL_811043, EPI_ISL_811044, EPI_ISL_811045, EPI_ISL_811046, EPI_ISL_811047, EPI_ISL_811048, EPI_ISL_811049, EPI_ISL_811050, EPI_ISL_811051, EPI_ISL_811052, EPI_ISL_811053, EPI_ISL_811054, EPI_ISL_811055, EPI_ISL_811056, EPI_ISL_811057, EPI_ISL_811058, EPI_ISL_811059, EPI_ISL_811060, EPI_ISL_811061, EPI_ISL_811062, EPI_ISL_811065, EPI_ISL_811066, EPI_ISL_811067, EPI_ISL_811068, EPI_ISL_811069, EPI_ISL_811070, EPI_ISL_811071, EPI_ISL_811072, EPI_ISL_811074, EPI_ISL_811075, EPI_ISL_811076, EPI_ISL_811080, EPI_ISL_811081, EPI_ISL_811082, EPI_ISL_811083, EPI_ISL_811084, EPI_ISL_811085, EPI_ISL_811086, EPI_ISL_811087, EPI_ISL_811088, EPI_ISL_811089, EPI_ISL_811090, EPI_ISL_811091, EPI_ISL_811092, EPI_ISL_811093, EPI_ISL_811094, EPI_ISL_811096, EPI_ISL_811097, EPI_ISL_811098, EPI_ISL_811099, EPI_ISL_811101, EPI_ISL_811102, EPI_ISL_811103, EPI_ISL_811104, EPI_ISL_811105, EPI_ISL_811106, EPI_ISL_811115, EPI_ISL_811117, EPI_ISL_811118, EPI_ISL_811119, EPI_ISL_811122			
see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_811137, EPI_ISL_811138, EPI_ISL_811139	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_811207, EPI_ISL_811211, EPI_ISL_811214, EPI_ISL_811215, EPI_ISL_811217, EPI_ISL_811234, EPI_ISL_811236, EPI_ISL_811241, EPI_ISL_811247, EPI_ISL_811262, EPI_ISL_811275, EPI_ISL_811280, EPI_ISL_811284, EPI_ISL_811293, EPI_ISL_811309, EPI_ISL_811310, EPI_ISL_811312, EPI_ISL_811321, EPI_ISL_811335, EPI_ISL_811344, EPI_ISL_811350, EPI_ISL_811353, EPI_ISL_811362, EPI_ISL_811380, EPI_ISL_811381, EPI_ISL_811382, EPI_ISL_811383, EPI_ISL_811385, EPI_ISL_811389, EPI_ISL_811394, EPI_ISL_811395, EPI_ISL_811400, EPI_ISL_811406, EPI_ISL_811410, EPI_ISL_811414, EPI_ISL_811420, EPI_ISL_811433, EPI_ISL_811436, EPI_ISL_811472, EPI_ISL_811478, EPI_ISL_811482, EPI_ISL_811490, EPI_ISL_811500, EPI_ISL_811502, EPI_ISL_811516, EPI_ISL_811519, EPI_ISL_811524, EPI_ISL_811530, EPI_ISL_811538, EPI_ISL_811548, EPI_ISL_811563, EPI_ISL_811565, EPI_ISL_811573, EPI_ISL_811580, EPI_ISL_811584, EPI_ISL_811594			
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_811595	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_811606, EPI_ISL_811610, EPI_ISL_811617, EPI_ISL_811618, EPI_ISL_811620, EPI_ISL_811621, EPI_ISL_811626, EPI_ISL_811627, EPI_ISL_811634, EPI_ISL_811645, EPI_ISL_811650, EPI_ISL_811651, EPI_ISL_811660, EPI_ISL_811661, EPI_ISL_811664, EPI_ISL_811666, EPI_ISL_811669, EPI_ISL_811670, EPI_ISL_811671, EPI_ISL_811672, EPI_ISL_811677, EPI_ISL_811678			
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_811681	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_811682, EPI_ISL_811688, EPI_ISL_811698, EPI_ISL_811701, EPI_ISL_811702, EPI_ISL_811708	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_811713	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_811720, EPI_ISL_811727, EPI_ISL_811736, EPI_ISL_811740, EPI_ISL_811750, EPI_ISL_811753, EPI_ISL_811756, EPI_ISL_811759, EPI_ISL_811767, EPI_ISL_811776, EPI_ISL_811785, EPI_ISL_811802, EPI_ISL_811808, EPI_ISL_811809, EPI_ISL_811810, EPI_ISL_811811, EPI_ISL_811812, EPI_ISL_811813, EPI_ISL_811814, EPI_ISL_811816, EPI_ISL_811817, EPI_ISL_811818, EPI_ISL_811819, EPI_ISL_811820, EPI_ISL_811821, EPI_ISL_811822, EPI_ISL_811823, EPI_ISL_811824, EPI_ISL_811825, EPI_ISL_811826, EPI_ISL_811827, EPI_ISL_811828, EPI_ISL_811829, EPI_ISL_811830, EPI_ISL_811831, EPI_ISL_811832, EPI_ISL_811833, EPI_ISL_811834, EPI_ISL_811835, EPI_ISL_811836, EPI_ISL_811837, EPI_ISL_811838, EPI_ISL_811839, EPI_ISL_811840, EPI_ISL_811841, EPI_ISL_811842, EPI_ISL_811843, EPI_ISL_811844, EPI_ISL_811845, EPI_ISL_811846, EPI_ISL_811847, EPI_ISL_811848, EPI_ISL_811849, EPI_ISL_811850, EPI_ISL_811851, EPI_ISL_811852, EPI_ISL_811853, EPI_ISL_811854, EPI_ISL_811856, EPI_ISL_811857, EPI_ISL_811861, EPI_ISL_811862, EPI_ISL_811863, EPI_ISL_811864, EPI_ISL_811865, EPI_ISL_811866, EPI_ISL_811867, EPI_ISL_811868, EPI_ISL_811870, EPI_ISL_811871, EPI_ISL_811874, EPI_ISL_811875, EPI_ISL_811876, EPI_ISL_811877, EPI_ISL_811878, EPI_ISL_811879, EPI_ISL_811880, EPI_ISL_811881, EPI_ISL_811882, EPI_ISL_811883, EPI_ISL_811884, EPI_ISL_811886, EPI_ISL_811887, EPI_ISL_811888, EPI_ISL_811889, EPI_ISL_811890, EPI_ISL_811892, EPI_ISL_811893, EPI_ISL_811894, EPI_ISL_811896, EPI_ISL_811897, EPI_ISL_811898, EPI_ISL_811899, EPI_ISL_811900, EPI_ISL_811901, EPI_ISL_811902, EPI_ISL_811903, EPI_ISL_811904, EPI_ISL_811905, EPI_ISL_811907, EPI_ISL_811908, EPI_ISL_811909, EPI_ISL_811910, EPI_ISL_811911, EPI_ISL_811912, EPI_ISL_811913, EPI_ISL_811914, EPI_ISL_811915, EPI_ISL_811916, EPI_ISL_811917, EPI_ISL_811918, EPI_ISL_811919, EPI_ISL_811920, EPI_ISL_811921, EPI_ISL_811922, EPI_ISL_811923, EPI_ISL_811924, EPI_ISL_811925, EPI_ISL_811926, EPI_ISL_811927, EPI_ISL_811928, EPI_ISL_811930, EPI_ISL_811931, EPI_ISL_811932, EPI_ISL_811933, EPI_ISL_811934, EPI_ISL_811935, EPI_ISL_811936, EPI_ISL_811937, EPI_ISL_811938, EPI_ISL_811939, EPI_ISL_811940, EPI_ISL_811941, EPI_ISL_811943, EPI_ISL_811944, EPI_ISL_811945, EPI_ISL_811946, EPI_ISL_811947, EPI_ISL_811948, EPI_ISL_811950, EPI_ISL_811951, EPI_ISL_811952, EPI_ISL_811953, EPI_ISL_811954, EPI_ISL_811955, EPI_ISL_811956, EPI_ISL_811958, EPI_ISL_811960, EPI_ISL_811961, EPI_ISL_811962, EPI_ISL_811963, EPI_ISL_811964, EPI_ISL_811965, EPI_ISL_811966, EPI_ISL_811967, EPI_ISL_811968, EPI_ISL_811969, EPI_ISL_811970, EPI_ISL_811971, EPI_ISL_811972, EPI_ISL_811973, EPI_ISL_811974, EPI_ISL_811975, EPI_ISL_811976, EPI_ISL_811977, EPI_ISL_811979, EPI_ISL_811981, EPI_ISL_811982, EPI_ISL_811983, EPI_ISL_811985, EPI_ISL_811986, EPI_ISL_811987, EPI_ISL_811988, EPI_ISL_811989, EPI_ISL_811991, EPI_ISL_811992, EPI_ISL_811993, EPI_ISL_811994, EPI_ISL_811995, EPI_ISL_811996, EPI_ISL_811997, EPI_ISL_811998, EPI_ISL_811999, EPI_ISL_812000, EPI_ISL_812001, EPI_ISL_812003, EPI_ISL_812004, EPI_ISL_812005, EPI_ISL_812006, EPI_ISL_812007, EPI_ISL_812008, EPI_ISL_812009, EPI_ISL_812010, EPI_ISL_812011, EPI_ISL_812012, EPI_ISL_812013, EPI_ISL_812014, EPI_ISL_812015, EPI_ISL_812016, EPI_ISL_812018, EPI_ISL_812019, EPI_ISL_812020, EPI_ISL_812021, EPI_ISL_812022, EPI_ISL_812023, EPI_ISL_812024, EPI_ISL_812025, EPI_ISL_812027, EPI_ISL_812028, EPI_ISL_812029, EPI_ISL_812030, EPI_ISL_812031, EPI_ISL_812032, EPI_ISL_812034, EPI_ISL_812035, EPI_ISL_812036, EPI_ISL_812037, EPI_ISL_812038, EPI_ISL_812039, EPI_ISL_812040, EPI_ISL_812041, EPI_ISL_812042, EPI_ISL_812043, EPI_ISL_812044, EPI_ISL_812045, EPI_ISL_812046, EPI_ISL_812047, EPI_ISL_812048, EPI_ISL_812049, EPI_ISL_812050, EPI_ISL_812051, EPI_ISL_812052, EPI_ISL_812053, EPI_ISL_812054, EPI_ISL_812055, EPI_ISL_812056, EPI_ISL_812057, EPI_ISL_812058, EPI_ISL_812059, EPI_ISL_812061, EPI_ISL_812062, EPI_ISL_812063, EPI_ISL_812065, EPI_ISL_812066, EPI_ISL_812067, EPI_ISL_812068, EPI_ISL_812069, EPI_ISL_812070, EPI_ISL_812071, EPI_ISL_812072, EPI_ISL_812074, EPI_ISL_812075, EPI_ISL_812076, EPI_ISL_812077, EPI_ISL_812078, EPI_ISL_812079, EPI_ISL_812081, EPI_ISL_812082, EPI_ISL_812084, EPI_ISL_812085, EPI_ISL_812086, EPI_ISL_812088, EPI_ISL_812089, EPI_ISL_812090, EPI_ISL_812091, EPI_ISL_812093, EPI_ISL_812094, EPI_ISL_812095, EPI_ISL_812096, EPI_ISL_812097, EPI_ISL_812098, EPI_ISL_812099, EPI_ISL_812101, EPI_ISL_812102, EPI_ISL_812103, EPI_ISL_812104, EPI_ISL_812105, EPI_ISL_812106, EPI_ISL_812107, EPI_ISL_812108, EPI_ISL_812109, EPI_ISL_812110, EPI_ISL_812111, EPI_ISL_812112, EPI_ISL_812113			
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_812250	Invenimus AG	Institute of Medical Virology, University of Zurich	Stefan Schmutz, Maryam Zaheri, Verena Kufner, Annette Audigé, Maria Grünberg, Kevin Steiner, Jon Huder, Cyril Shah, Riccarda Capaul, Guido Bloemberg, Jürg Böni, Michael Huber, Alexandra Trkola
EPI_ISL_812763, EPI_ISL_812764, EPI_ISL_812765, EPI_ISL_812766, EPI_ISL_812767, EPI_ISL_812768, EPI_ISL_812769, EPI_ISL_812770, EPI_ISL_812771	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cogun, Süleyman Yalcin, Aye Baak Alta, Gülay Korukluolu
EPI_ISL_813093, EPI_ISL_813096, EPI_ISL_813098, EPI_ISL_813101, EPI_ISL_813116	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_813171, EPI_ISL_813173, EPI_ISL_813175, EPI_ISL_813198, EPI_ISL_813199, EPI_ISL_813201, EPI_ISL_813202, EPI_ISL_813203, EPI_ISL_813204, EPI_ISL_813205, EPI_ISL_813206, EPI_ISL_813207, EPI_ISL_813209, EPI_ISL_813210, EPI_ISL_813211, EPI_ISL_813212, EPI_ISL_813213, EPI_ISL_813214,			

EPI_ISL_813219, EPI_ISL_813221, EPI_ISL_813222, EPI_ISL_813223, EPI_ISL_813224, EPI_ISL_813227, EPI_ISL_813230, EPI_ISL_813250, EPI_ISL_813256, EPI_ISL_813265, EPI_ISL_813266, EPI_ISL_813267, EPI_ISL_813268, EPI_ISL_813269, EPI_ISL_813278, EPI_ISL_813281, EPI_ISL_813283, EPI_ISL_813285, EPI_ISL_813294	see above	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Grant Hall, Iliana Georgana, Myra Hosmillo, Martin D. Curran, Malte Pinckert, Surendra Parmar, Ian Goodfellow
EPI_ISL_813582, EPI_ISL_813587, EPI_ISL_813590, EPI_ISL_813591, EPI_ISL_813594, EPI_ISL_813596, EPI_ISL_813597, EPI_ISL_813600, EPI_ISL_813601, EPI_ISL_813612, EPI_ISL_813616, EPI_ISL_813617, EPI_ISL_813619, EPI_ISL_813621, EPI_ISL_813622, EPI_ISL_813631, EPI_ISL_813634, EPI_ISL_813638	see above	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_813778, EPI_ISL_813810, EPI_ISL_813814, EPI_ISL_813815		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_813900, EPI_ISL_813901, EPI_ISL_813905, EPI_ISL_813906, EPI_ISL_813956, EPI_ISL_813958, EPI_ISL_813962, EPI_ISL_813964, EPI_ISL_813966		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_813986, EPI_ISL_814008, EPI_ISL_814018, EPI_ISL_814027, EPI_ISL_814028, EPI_ISL_814029, EPI_ISL_814030, EPI_ISL_814031, EPI_ISL_814032, EPI_ISL_814033		Hospital General Universitario Gregorio Marañón	SeqCOVID-SPAIN consortium/IBV(CSIC)	Dario García de Viedma, Laura Pérez-Lago, Marta Herranz, Jon Sicilia, Julia Suárez, Pilar Catalán, Patricia Muñoz and SeqCOVID-SPAIN consortium
EPI_ISL_814181, EPI_ISL_814185, EPI_ISL_814186, EPI_ISL_814187, EPI_ISL_814188, EPI_ISL_814189, EPI_ISL_814190, EPI_ISL_814191, EPI_ISL_814192		Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_814358, EPI_ISL_814429, EPI_ISL_814433, EPI_ISL_814434		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_814487, EPI_ISL_814504, EPI_ISL_814505, EPI_ISL_814506, EPI_ISL_814508, EPI_ISL_814509, EPI_ISL_814510, EPI_ISL_814541		Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	COVID-19 Genomics UK (COG-UK) Consortium	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_815492		Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Albertsen Lab, Department of Chemistry and Bioscience, Aalborg University, Denmark	Danish Covid-19 Genome Consortium
EPI_ISL_816194, EPI_ISL_816195, EPI_ISL_816196, EPI_ISL_816212, EPI_ISL_816213, EPI_ISL_816215, EPI_ISL_816218, EPI_ISL_816220, EPI_ISL_816221, EPI_ISL_816222, EPI_ISL_816223, EPI_ISL_816224	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, Yann Bourgeois, Garry Scarlett, Sharon Glaysher, Scott Elliott, Kelly Bicknell, Robert Impey, Allyson Lloyd, Sarah Wyllie, Ethan Butcher, Anoop Chauhan, Samuel Robson
EPI_ISL_816239, EPI_ISL_816246, EPI_ISL_816248, EPI_ISL_816275, EPI_ISL_816276, EPI_ISL_816285, EPI_ISL_816292, EPI_ISL_816296, EPI_ISL_816297, EPI_ISL_816302, EPI_ISL_816305, EPI_ISL_816310, EPI_ISL_816319, EPI_ISL_816323, EPI_ISL_816327, EPI_ISL_816348, EPI_ISL_816353, EPI_ISL_816361, EPI_ISL_816390, EPI_ISL_816405, EPI_ISL_816407, EPI_ISL_816430, EPI_ISL_816431, EPI_ISL_816436, EPI_ISL_816437, EPI_ISL_816442, EPI_ISL_816448, EPI_ISL_816449, EPI_ISL_816469, EPI_ISL_816475, EPI_ISL_816477, EPI_ISL_816494, EPI_ISL_816495, EPI_ISL_816496, EPI_ISL_816503, EPI_ISL_816507, EPI_ISL_816508, EPI_ISL_816513, EPI_ISL_816517, EPI_ISL_816525, EPI_ISL_816536, EPI_ISL_816555, EPI_ISL_816566, EPI_ISL_816571, EPI_ISL_816576, EPI_ISL_816581, EPI_ISL_816582, EPI_ISL_816584, EPI_ISL_816585, EPI_ISL_816589, EPI_ISL_816605, EPI_ISL_816607, EPI_ISL_816613, EPI_ISL_816629, EPI_ISL_816632, EPI_ISL_816641	see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Angyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_816827, EPI_ISL_816830, EPI_ISL_816832, EPI_ISL_816844, EPI_ISL_816846, EPI_ISL_816847, EPI_ISL_816849, EPI_ISL_816851, EPI_ISL_816897, EPI_ISL_816898, EPI_ISL_816903, EPI_ISL_816964, EPI_ISL_816965, EPI_ISL_816970	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_817318, EPI_ISL_817319, EPI_ISL_817320, EPI_ISL_817321, EPI_ISL_817322, EPI_ISL_817323, EPI_ISL_817324, EPI_ISL_817325, EPI_ISL_817326, EPI_ISL_817327, EPI_ISL_817328, EPI_ISL_817330, EPI_ISL_817331, EPI_ISL_817332, EPI_ISL_817373	see above	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Albertsen Lab, Department of Chemistry and Bioscience, Aalborg University, Denmark	Danish Covid-19 Genome Consortium
EPI_ISL_819156, EPI_ISL_819157, EPI_ISL_819163		Servicio de Microbiología, Hospital Universitario Son Espases	SeqCOVID-SPAIN consortium/IBV(CSIC)	Carla López-Causapé, Jordi Reina, Antonio Oliver and SeqCOVID-SPAIN consortium
EPI_ISL_819378, EPI_ISL_819387, EPI_ISL_819388, EPI_ISL_819389, EPI_ISL_819390, EPI_ISL_819398, EPI_ISL_819399, EPI_ISL_819400, EPI_ISL_819401, EPI_ISL_819402, EPI_ISL_819403, EPI_ISL_819404, EPI_ISL_819404, EPI_ISL_819428, EPI_ISL_819431, EPI_ISL_819433	see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi 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_820109, EPI_ISL_820111		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_820112		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_820114, EPI_ISL_820115, EPI_ISL_820116, EPI_ISL_820117, EPI_ISL_820120, EPI_ISL_820121, EPI_ISL_820122		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_820124		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_820125		University College London, Great Ormond Street Hospital for	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

	Children NHS Foundation Trust, Imperial College Healthcare NHS Trust		Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_820126, EPI_ISL_820131, EPI_ISL_820136	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_820138	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_820141, EPI_ISL_820144, EPI_ISL_820146, EPI_ISL_820149, EPI_ISL_820151, EPI_ISL_820154, EPI_ISL_820156, EPI_ISL_820159, EPI_ISL_820161, EPI_ISL_820164, EPI_ISL_820167, EPI_ISL_820169, EPI_ISL_820172, EPI_ISL_820175, EPI_ISL_820178, EPI_ISL_820180, EPI_ISL_820183, EPI_ISL_820186, EPI_ISL_820188, EPI_ISL_820191, EPI_ISL_820193, EPI_ISL_820196, EPI_ISL_820199, EPI_ISL_820202			
see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Elumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_820204, EPI_ISL_820206, EPI_ISL_820209, EPI_ISL_820211, EPI_ISL_820213, EPI_ISL_820216, EPI_ISL_820218	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_820231, EPI_ISL_820234	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_820246, EPI_ISL_820249, EPI_ISL_820251	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_820253	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_820256, EPI_ISL_820259	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_820261	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_820264, EPI_ISL_820266, EPI_ISL_820268, EPI_ISL_820276	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_820279, EPI_ISL_820287, EPI_ISL_820289, EPI_ISL_820292, EPI_ISL_820294	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_820297	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_820300, EPI_ISL_820302, EPI_ISL_820304, EPI_ISL_820306	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_820309	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_820311	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_820316, EPI_ISL_820318, EPI_ISL_820326, EPI_ISL_820328, EPI_ISL_820333, EPI_ISL_820335, EPI_ISL_820337, EPI_ISL_820340, EPI_ISL_820343, EPI_ISL_820345, EPI_ISL_820347, EPI_ISL_820350			
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_820353, EPI_ISL_820355, EPI_ISL_820358, EPI_ISL_820360, EPI_ISL_820363, EPI_ISL_820365, EPI_ISL_820368, EPI_ISL_820371	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_820373, EPI_ISL_820376, EPI_ISL_820381, EPI_ISL_820383, EPI_ISL_820385	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_820391	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

			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_820402	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 Tsoieridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_820404, EPI_ISL_820407, EPI_ISL_820410, EPI_ISL_820412, EPI_ISL_820415	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_820418	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 Tsoieridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_820420	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_820423	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 Tsoieridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_820436, EPI_ISL_820444, EPI_ISL_820446, EPI_ISL_820449, EPI_ISL_820451, EPI_ISL_820454, EPI_ISL_820456, EPI_ISL_820459, EPI_ISL_820462, EPI_ISL_820464, EPI_ISL_820467, EPI_ISL_820470, EPI_ISL_820472, EPI_ISL_820475, EPI_ISL_820478, EPI_ISL_820480, EPI_ISL_820483, EPI_ISL_820485, EPI_ISL_820488, EPI_ISL_820490, EPI_ISL_820493, EPI_ISL_820496, EPI_ISL_820498, EPI_ISL_820501, EPI_ISL_820504, EPI_ISL_820506, EPI_ISL_820509, EPI_ISL_820511, EPI_ISL_820514, EPI_ISL_820516, EPI_ISL_820519, EPI_ISL_820521, EPI_ISL_820524, EPI_ISL_820536, EPI_ISL_820539, EPI_ISL_820563, EPI_ISL_820565, EPI_ISL_820568, EPI_ISL_820570			
see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi 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_821003, EPI_ISL_821005, EPI_ISL_821010, EPI_ISL_821012, EPI_ISL_821013, EPI_ISL_821018, EPI_ISL_821020, EPI_ISL_821021, EPI_ISL_821022, EPI_ISL_821025, EPI_ISL_821026, EPI_ISL_821030, EPI_ISL_821035, EPI_ISL_821039, EPI_ISL_821042, EPI_ISL_821046, EPI_ISL_821047, EPI_ISL_821055, EPI_ISL_821060, EPI_ISL_821066, EPI_ISL_821068, EPI_ISL_821073, EPI_ISL_821074, EPI_ISL_821078, EPI_ISL_821082, EPI_ISL_821085, EPI_ISL_821090, EPI_ISL_821091, EPI_ISL_821093, EPI_ISL_821099, EPI_ISL_821104, EPI_ISL_821109, EPI_ISL_821110, EPI_ISL_821111, EPI_ISL_821117, EPI_ISL_821124, EPI_ISL_821125, EPI_ISL_821126, EPI_ISL_821127, EPI_ISL_821131, EPI_ISL_821133, EPI_ISL_821137, EPI_ISL_821140, EPI_ISL_821144, EPI_ISL_821149, EPI_ISL_821151, EPI_ISL_821152, EPI_ISL_821156, EPI_ISL_821158, EPI_ISL_821159, EPI_ISL_821163, EPI_ISL_821165, EPI_ISL_821166, EPI_ISL_821169, EPI_ISL_821172, EPI_ISL_821173, EPI_ISL_821174, EPI_ISL_821175, EPI_ISL_821181, EPI_ISL_821187, EPI_ISL_821191, EPI_ISL_821197, EPI_ISL_821199, EPI_ISL_821200, EPI_ISL_821201, EPI_ISL_821206, EPI_ISL_821208, EPI_ISL_821215, EPI_ISL_821220, EPI_ISL_821222, EPI_ISL_821223, EPI_ISL_821228, EPI_ISL_821230, EPI_ISL_821231, EPI_ISL_821235, EPI_ISL_821244, EPI_ISL_821248, EPI_ISL_821251, EPI_ISL_821253, EPI_ISL_821254, EPI_ISL_821255, EPI_ISL_821261, EPI_ISL_821263, EPI_ISL_821264, EPI_ISL_821270, EPI_ISL_821271			
see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821275, EPI_ISL_821277, EPI_ISL_821280	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_821285	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_821286	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821291	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_821292	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_821293	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_821294	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_821295	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821298	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_821299, EPI_ISL_821300, EPI_ISL_821302	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_821303	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_821304, EPI_ISL_821305, EPI_ISL_821307	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_821308	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_821311	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821312, EPI_ISL_821313, EPI_ISL_821315	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_821316	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821318	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_821320	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821321, EPI_ISL_821322, EPI_ISL_821325, EPI_ISL_821326	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_821327, EPI_ISL_821329	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_821330, EPI_ISL_821332	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_821335	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K.

[illegible]

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		(COG-UK) Consortium	Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821628	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_821629, EPI_ISL_821630, EPI_ISL_821631, EPI_ISL_821632, EPI_ISL_821633, EPI_ISL_821634, EPI_ISL_821635, EPI_ISL_821636, EPI_ISL_821637, EPI_ISL_821638, EPI_ISL_821639, EPI_ISL_821640, EPI_ISL_821641, EPI_ISL_821642, EPI_ISL_821645, EPI_ISL_821647, EPI_ISL_821648, EPI_ISL_821650, EPI_ISL_821651, EPI_ISL_821652, EPI_ISL_821653, EPI_ISL_821654, EPI_ISL_821655, EPI_ISL_821656, EPI_ISL_821657, EPI_ISL_821658			
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_821659, EPI_ISL_821660	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821662, EPI_ISL_821663, EPI_ISL_821664, EPI_ISL_821665, EPI_ISL_821666, EPI_ISL_821669, EPI_ISL_821670, EPI_ISL_821671, EPI_ISL_821672, EPI_ISL_821673, EPI_ISL_821674, EPI_ISL_821675, EPI_ISL_821676, EPI_ISL_821677, EPI_ISL_821678, EPI_ISL_821679, EPI_ISL_821680, EPI_ISL_821681, EPI_ISL_821682, EPI_ISL_821684, EPI_ISL_821685, EPI_ISL_821686, EPI_ISL_821687, EPI_ISL_821688, EPI_ISL_821689, EPI_ISL_821690, EPI_ISL_821691, EPI_ISL_821692, EPI_ISL_821693, EPI_ISL_821694, EPI_ISL_821695, EPI_ISL_821696, EPI_ISL_821697, EPI_ISL_821698, EPI_ISL_821699, EPI_ISL_821700, EPI_ISL_821701, EPI_ISL_821702, EPI_ISL_821703, EPI_ISL_821704, EPI_ISL_821705, EPI_ISL_821706, EPI_ISL_821707, EPI_ISL_821708, EPI_ISL_821709, EPI_ISL_821710, EPI_ISL_821711, EPI_ISL_821713, EPI_ISL_821714, EPI_ISL_821715, EPI_ISL_821716, EPI_ISL_821717, EPI_ISL_821718, EPI_ISL_821719, EPI_ISL_821720, EPI_ISL_821721, EPI_ISL_821722, EPI_ISL_821723, EPI_ISL_821724, EPI_ISL_821725, EPI_ISL_821726, EPI_ISL_821727, EPI_ISL_821728, EPI_ISL_821729, EPI_ISL_821730, EPI_ISL_821731, EPI_ISL_821732, EPI_ISL_821733, EPI_ISL_821734, EPI_ISL_821735, EPI_ISL_821736, EPI_ISL_821737, EPI_ISL_821738, EPI_ISL_821739, EPI_ISL_821740, EPI_ISL_821741, EPI_ISL_821742, EPI_ISL_821743, EPI_ISL_821744, EPI_ISL_821745, EPI_ISL_821746, EPI_ISL_821747, EPI_ISL_821748, EPI_ISL_821749, EPI_ISL_821750, EPI_ISL_821751, EPI_ISL_821752, EPI_ISL_821753, EPI_ISL_821754, EPI_ISL_821755, EPI_ISL_821757, EPI_ISL_821760, EPI_ISL_821761, EPI_ISL_821762, EPI_ISL_821763, EPI_ISL_821765, EPI_ISL_821766, EPI_ISL_821767, EPI_ISL_821768, EPI_ISL_821769, EPI_ISL_821770, EPI_ISL_821771, EPI_ISL_821772, EPI_ISL_821774, EPI_ISL_821775, EPI_ISL_821776, EPI_ISL_821777, EPI_ISL_821778, EPI_ISL_821779, EPI_ISL_821780, EPI_ISL_821782, EPI_ISL_821783, EPI_ISL_821784, EPI_ISL_821785, EPI_ISL_821786, EPI_ISL_821787, EPI_ISL_821789, EPI_ISL_821790, EPI_ISL_821791, EPI_ISL_821793, EPI_ISL_821794, EPI_ISL_821796, EPI_ISL_821797, EPI_ISL_821799, EPI_ISL_821800, EPI_ISL_821801, EPI_ISL_821802, EPI_ISL_821803, EPI_ISL_821804, EPI_ISL_821805, EPI_ISL_821806, EPI_ISL_821807, EPI_ISL_821808, EPI_ISL_821809, EPI_ISL_821811, EPI_ISL_821812, EPI_ISL_821813, EPI_ISL_821814, EPI_ISL_821816, EPI_ISL_821817, EPI_ISL_821818, EPI_ISL_821819, EPI_ISL_821820, EPI_ISL_821821, EPI_ISL_821822, EPI_ISL_821823, EPI_ISL_821824, EPI_ISL_821825, EPI_ISL_821826, EPI_ISL_821828, EPI_ISL_821829, EPI_ISL_821830, EPI_ISL_821831, EPI_ISL_821832, EPI_ISL_821833, EPI_ISL_821834, EPI_ISL_821835, EPI_ISL_821837, EPI_ISL_821838, EPI_ISL_821839, EPI_ISL_821842, EPI_ISL_821843, EPI_ISL_821844, EPI_ISL_821845, EPI_ISL_821846, EPI_ISL_821847, EPI_ISL_821848, EPI_ISL_821849, EPI_ISL_821850, EPI_ISL_821851, EPI_ISL_821852, EPI_ISL_821853, EPI_ISL_821854, EPI_ISL_821855, EPI_ISL_821856, EPI_ISL_821857, EPI_ISL_821858, EPI_ISL_821859, EPI_ISL_821860, EPI_ISL_821861, EPI_ISL_821862, EPI_ISL_821863, EPI_ISL_821864, EPI_ISL_821865, EPI_ISL_821866, EPI_ISL_821869, EPI_ISL_821870, EPI_ISL_821871, EPI_ISL_821872, EPI_ISL_821873, EPI_ISL_821875, EPI_ISL_821876, EPI_ISL_821877, EPI_ISL_821878, EPI_ISL_821879, EPI_ISL_821880, EPI_ISL_821881, EPI_ISL_821882, EPI_ISL_821883, EPI_ISL_821884, EPI_ISL_821885, EPI_ISL_821887, EPI_ISL_821888, EPI_ISL_821889, EPI_ISL_821891, EPI_ISL_821892, EPI_ISL_821894, EPI_ISL_821895, EPI_ISL_821896, EPI_ISL_821897, EPI_ISL_821898, EPI_ISL_821899, EPI_ISL_821900, EPI_ISL_821901, EPI_ISL_821902, EPI_ISL_821903, EPI_ISL_821905, EPI_ISL_821906, EPI_ISL_821907, EPI_ISL_821908, EPI_ISL_821909, EPI_ISL_821910, EPI_ISL_821911, EPI_ISL_821913, EPI_ISL_821914, EPI_ISL_821916, EPI_ISL_821917, EPI_ISL_821919, EPI_ISL_821920, EPI_ISL_821921, EPI_ISL_821922, EPI_ISL_821923, EPI_ISL_821924, EPI_ISL_821926, EPI_ISL_821927, EPI_ISL_821928, EPI_ISL_821929, EPI_ISL_821930, EPI_ISL_821931, EPI_ISL_821932, EPI_ISL_821933, EPI_ISL_821934, EPI_ISL_821936, EPI_ISL_821937, EPI_ISL_821938, EPI_ISL_821939, EPI_ISL_821940, EPI_ISL_821941, EPI_ISL_821942, EPI_ISL_821943, EPI_ISL_821944, EPI_ISL_821945, EPI_ISL_821946, EPI_ISL_821947, EPI_ISL_821948, EPI_ISL_821949, EPI_ISL_821950, EPI_ISL_821952, EPI_ISL_821953, EPI_ISL_821954, EPI_ISL_821955, EPI_ISL_821956, EPI_ISL_821957, EPI_ISL_821959, EPI_ISL_821961, EPI_ISL_821962, EPI_ISL_821963, EPI_ISL_821964, EPI_ISL_821965, EPI_ISL_821966, EPI_ISL_821968, EPI_ISL_821969			
see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_821971, EPI_ISL_821972, EPI_ISL_821973, EPI_ISL_821974, EPI_ISL_821976, EPI_ISL_821977, EPI_ISL_821978, EPI_ISL_821979, EPI_ISL_821980, EPI_ISL_821981, EPI_ISL_821982, EPI_ISL_821983, EPI_ISL_821984, EPI_ISL_821986, EPI_ISL_821989, EPI_ISL_821990, EPI_ISL_821994, EPI_ISL_821997, EPI_ISL_821998, EPI_ISL_821999, EPI_ISL_822000, EPI_ISL_822002, EPI_ISL_822003, EPI_ISL_822007, EPI_ISL_822012, EPI_ISL_822018, EPI_ISL_822019, EPI_ISL_822020, EPI_ISL_822021, EPI_ISL_822022, EPI_ISL_822026, EPI_ISL_822027, EPI_ISL_822028, EPI_ISL_822030, EPI_ISL_822031, EPI_ISL_822032, EPI_ISL_822036, EPI_ISL_822037, EPI_ISL_822042, EPI_ISL_822045, EPI_ISL_822046, EPI_ISL_822047, EPI_ISL_822049, EPI_ISL_822050, EPI_ISL_822052, EPI_ISL_822054, EPI_ISL_822055, EPI_ISL_822056, EPI_ISL_822057, EPI_ISL_822058, EPI_ISL_822060, EPI_ISL_822061, EPI_ISL_822062, EPI_ISL_822064, EPI_ISL_822066, EPI_ISL_822068, EPI_ISL_822070, EPI_ISL_822071, EPI_ISL_822073, EPI_ISL_822074, EPI_ISL_822076, EPI_ISL_822077, EPI_ISL_822079, EPI_ISL_822081, EPI_ISL_822082, EPI_ISL_822084, EPI_ISL_822085, EPI_ISL_822087, EPI_ISL_822088, EPI_ISL_822089, EPI_ISL_822090, EPI_ISL_822094, EPI_ISL_822096, EPI_ISL_822097, EPI_ISL_822100, EPI_ISL_822101, EPI_ISL_822102, EPI_ISL_822103, EPI_ISL_822104, EPI_ISL_822106, EPI_ISL_822107, EPI_ISL_822108, EPI_ISL_822109, EPI_ISL_822110, EPI_ISL_822111, EPI_ISL_822112, EPI_ISL_822114, EPI_ISL_822115, EPI_ISL_822116, EPI_ISL_822118, EPI_ISL_822120, EPI_ISL_822121, EPI_ISL_822123, EPI_ISL_822128, EPI_ISL_822129, EPI_ISL_822131, EPI_ISL_822132, EPI_ISL_822133, EPI_ISL_822134, EPI_ISL_822137, EPI_ISL_822138, EPI_ISL_822139, EPI_ISL_822143, EPI_ISL_822144, EPI_ISL_822145, EPI_ISL_822147, EPI_ISL_822149, EPI_ISL_822150, EPI_ISL_822151, EPI_ISL_822152, EPI_ISL_822154, EPI_ISL_822155, EPI_ISL_822157, EPI_ISL_822160, EPI_ISL_822161, EPI_ISL_822162, EPI_ISL_822164, EPI_ISL_822166, EPI_ISL_822167, EPI_ISL_822168, EPI_ISL_822171, EPI_ISL_822172, EPI_ISL_822173, EPI_ISL_822174, EPI_ISL_822175, EPI_ISL_822177, EPI_ISL_822179, EPI_ISL_822180, EPI_ISL_822181, EPI_ISL_822183, EPI_ISL_822185, EPI_ISL_822186, EPI_ISL_822187, EPI_ISL_822188, EPI_ISL_822189, EPI_ISL_822190, EPI_ISL_822192, EPI_ISL_822194, EPI_ISL_822195, EPI_ISL_822196, EPI_ISL_822197, EPI_ISL_822198, EPI_ISL_822199, EPI_ISL_822200, EPI_ISL_822203, EPI_ISL_822204, EPI_ISL_822205, EPI_ISL_822206, EPI_ISL_822207, EPI_ISL_822208, EPI_ISL_822210, EPI_ISL_822211, EPI_ISL_822212, EPI_ISL_822213, EPI_ISL_822214, EPI_ISL_822215, EPI_ISL_822216, EPI_ISL_822217, EPI_ISL_822218, EPI_ISL_822219, EPI_ISL_822220, EPI_ISL_822221, EPI_ISL_822222, EPI_ISL_822224, EPI_ISL_822225, EPI_ISL_822226, EPI_ISL_822227, EPI_ISL_822228, EPI_ISL_822229, EPI_ISL_822230, EPI_ISL_822231, EPI_ISL_822234, EPI_ISL_822235, EPI_ISL_822236, EPI_ISL_822238, EPI_ISL_822239, EPI_ISL_822241, EPI_ISL_822246, EPI_ISL_822248, EPI_ISL_822251, EPI_ISL_822252, EPI_ISL_822254, EPI_ISL_822255, EPI_ISL_822257, EPI_ISL_822258, EPI_ISL_822259, EPI_ISL_822261, EPI_ISL_822262, EPI_ISL_822263, EPI_ISL_822264, EPI_ISL_822265, EPI_ISL_822266, EPI_ISL_822267, EPI_ISL_822271, EPI_ISL_822273, EPI_ISL_822276, EPI_ISL_822278, EPI_ISL_822279, EPI_ISL_822280, EPI_ISL_822283, EPI_ISL_822284, EPI_ISL_822285, EPI_ISL_822286, EPI_ISL_822287, EPI_ISL_822289, EPI_ISL_822290, EPI_ISL_822291			
see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_822292, EPI_ISL_822293	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_822294	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_822295, EPI_ISL_822296	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_822297, EPI_ISL_822298	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_822302	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_822303	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_822304	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_822532, EPI_ISL_822535, EPI_ISL_822536, EPI_ISL_822550, EPI_ISL_822551, EPI_ISL_822554, EPI_ISL_822555, EPI_ISL_822556, EPI_ISL_822564, EPI_ISL_822570, EPI_ISL_822573, EPI_ISL_822581, EPI_ISL_822582, EPI_ISL_822585, EPI_ISL_822586, EPI_ISL_822591, EPI_ISL_822592, EPI_ISL_822593, EPI_ISL_822599, EPI_ISL_822603, EPI_ISL_822604, EPI_ISL_822606, EPI_ISL_822611, EPI_ISL_822657, EPI_ISL_822673, EPI_ISL_822677, EPI_ISL_822680, EPI_ISL_822692, EPI_ISL_822694, EPI_ISL_822695, EPI_ISL_822710, EPI_ISL_822733, EPI_ISL_822737, EPI_ISL_822745, EPI_ISL_822748, EPI_ISL_822749, EPI_ISL_822756, EPI_ISL_822753, EPI_ISL_822773, EPI_ISL_822775, EPI_ISL_822776, EPI_ISL_822794, EPI_ISL_822803, EPI_ISL_822805, EPI_ISL_822810, EPI_ISL_822811, EPI_ISL_822844, EPI_ISL_822887, EPI_ISL_822971, EPI_ISL_822978, EPI_ISL_823019, EPI_ISL_823065, EPI_ISL_823066, EPI_ISL_823093, EPI_ISL_823094, EPI_ISL_823095, EPI_ISL_823096, EPI_ISL_823097, EPI_ISL_823098, EPI_ISL_823099, EPI_ISL_823100, EPI_ISL_823101, EPI_ISL_823102, EPI_ISL_823103, EPI_ISL_823104, EPI_ISL_823106, EPI_ISL_823107, EPI_ISL_823108			
see above	Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	COVID-19 Genomics UK (COG-UK) Consortium	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_823976, EPI_ISL_823979, EPI_ISL_823980, EPI_ISL_823981, EPI_ISL_823983, EPI_ISL_823984, EPI_ISL_823985, EPI_ISL_823986, EPI_ISL_823987, EPI_ISL_823988, EPI_ISL_823992			
see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, 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_824943	Charité Universitätsmedizin Berlin, Institute of Virology, Charitéplatz 1, 10117 Berlin, Germany	Charité Universitätsmedizin Berlin, Institute of Virology, Charitéplatz 1, 10117 Berlin, Germany	Victor M Corman, Jörn Beheim-Schwarzbach, Tobias Bleicker, Julia Tesch, Barbara Mühlemann, Talitha Veith, Julia Schneider, Terry Jones, Christian Drosten
EPI_ISL_825014	Northwestern Memorial Hospital	Ozer Lab	Ramon Lorenzo-Redondo, Lacy M. Simons, Lawrence J. Jennings, Michael G. Ison, Judd F. Hultquist, Egon A. Ozer
EPI_ISL_825156	Microbiology and Virology Unit, Florence Careggi University Hospital	Microbiology and Virology Unit, Florence Careggi University Hospital	Vincenzo Di Pilato, Marco Coppi, Fabio Morecchiato, Alberto Antonelli, Emanuele Gori, Gian Maria Rossolini
EPI_ISL_825499, EPI_ISL_825500, EPI_ISL_825504, EPI_ISL_825532, EPI_ISL_825533, EPI_ISL_825534, EPI_ISL_825535, EPI_ISL_825536, EPI_ISL_825537, EPI_ISL_825538, EPI_ISL_825539, EPI_ISL_825540, EPI_ISL_825541, EPI_ISL_825542, EPI_ISL_825543, EPI_ISL_825544, EPI_ISL_825545			

see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_826458	University of Bari Biomedical Sciences and Human Oncology	University of Bari Biomedical Sciences and Human Oncology	Chironna Maria, Sallustio Anna, Loconsole Daniela, Accogli Marisa
EPI_ISL_826467, EPI_ISL_826472	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_826473, EPI_ISL_826475	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_826476	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_826523, EPI_ISL_826524, EPI_ISL_826525, EPI_ISL_826526, EPI_ISL_826527, EPI_ISL_826528, EPI_ISL_826529, EPI_ISL_826530, EPI_ISL_826531, EPI_ISL_826532, EPI_ISL_826533, EPI_ISL_826534, EPI_ISL_826535, EPI_ISL_826536			
see above	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, 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_827042, EPI_ISL_827043	Institute of Virology, University of Cologne	Institute of Virology, University of Cologne	Saleta Sierra, Gibran Rubio, Zevanya Tessalonica, Dominik Aschenmeier, Eva Heger, Elena Knops, Rolf Kaiser, Martin Däumer, Alex Thielen
EPI_ISL_827927, EPI_ISL_828140, EPI_ISL_830121, EPI_ISL_830123	deCODE genetics	deCODE genetics	Daniel F Gudbjartsson; Agnar Helgason; Hakon Jonsson; Olafur T Magnusson; Pall Melsted; Gudmundur L Norddahl; Jona Saemundsdottir; Asgeir Sigurdsson; Patrick Sulem; Arna B Agustsdottir; Hannes Eggertsson; Berglind Eiríksdóttir; Run Fridríksdóttir; Elisabet E Gardarsdóttir; Gudmundur Georgsson; Olafía S Gretarsdóttir; Kjartan R Gudmundsson; Thora R Gunnarsdóttir; Arnaldur Gylfason; Hilma Holm; Brynjar O Jensson; Aslaug Jonasdóttir; Kamilla S Josefsdóttir; Thordur Kristjánsson; Droplaug N Magnusdóttir; Solvi Rognvaldsson; Louise le Roux; Gudrun Sigmundsdóttir; Gardar Sveinbjörnsson; Kristin E Sveinsdóttir; Maney Sveinsdóttir; Emil A Thorarensen; Bjarni Thorbjörnsson; Gisli Masson; Ingileif Jonsdóttir; Alma Moller; Thorolfur Gudnason; Karl G Kristinsson; Unnur Thorsteinsdóttir; Kari Stefansson
EPI_ISL_830214	BOSTON HEART DIAGNOSTICS CORP	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_831021, EPI_ISL_831022, EPI_ISL_831023, EPI_ISL_831024, EPI_ISL_831025, EPI_ISL_831026	Hospital Universitario La Paz (Madrid)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Fernando Lázaro-Perona, María Rodríguez-Tejedor, Elias Dahdouh, Jesús Mingorance and SeqCOVID-SPAIN consortium
EPI_ISL_831649	Institute for Infectious Diseases, University of Bern, Switzerland	Institute for Infectious Diseases, University of Bern, Switzerland	Michel C Koch, Christian Baumann, Miguel A Terrazos Miani, Cora Säggerer, Pascal Bittel, Stephen L Leib, Peter Keller, Franziska Suter-Riniker, Alban Ramette
EPI_ISL_832014	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin L. Young, Kelly F. Oakeson, Tara Gallagher
EPI_ISL_833038	Laboratorio de Referencia Nacional de Virus Respiratorio. Instituto Nacional de Salud Perú	Laboratorio de Referencia Nacional de Biotecnología y Biología Molecular. Instituto Nacional de Salud Perú	Carlos Padilla Rojas, Luis Barcelona, Karolyn Vega Chozo, Priscila Lope Pari, Omar Caceres Rey, Marco Galarza Perez, Maribel Huaranga Nuñez, Johanna Balbuena Torrez, Henri Bailon Calderon, Nancy Rojas Serrano
EPI_ISL_833183	Microbiology Department. Complejo Hospitalario Universitario de Vigo	Microbiology Department. Complejo Hospitalario Universitario de Vigo	Microbiology Department, Complejo Hospitalario Universitario de Vigo. EPICOVIGAL.
EPI_ISL_833202, EPI_ISL_833204, EPI_ISL_833207, EPI_ISL_833210, EPI_ISL_833211, EPI_ISL_833212, EPI_ISL_833216, EPI_ISL_833217, EPI_ISL_833218, EPI_ISL_833219	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, Fathiah Zakhm, Essi Korhonen, Sari Hanula, Harri Kangas, Pekka Ellonen, Olli Vapalahti
EPI_ISL_833228, EPI_ISL_833229	R.P. GUARDIAGRELE Ospedale di Comunità	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833230	OSPEDALE S.S. ANNUNZIATA CHIETI - CLINICA MEDICA (MEDICINA GENERALE 1)	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833231	SIESP CHIETI - DRIVE IN LANCIANO	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833232	SIESP CHIETI - DRIVE IN CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833233, EPI_ISL_833234, EPI_ISL_833235, EPI_ISL_833236, EPI_ISL_833237, EPI_ISL_833238	SIESP DIPARTIMENTO DI PREVENZIONE CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833239, EPI_ISL_833240	SIESP DIPARTIMENTO DI PREVENZIONE TERAMO	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833241	SIESP DIPARTIMENTO DI PREVENZIONE CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833242	SIESP CHIETI - DRIVE IN LANCIANO	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833243, EPI_ISL_833244, EPI_ISL_833245, EPI_ISL_833246, EPI_ISL_833247	SIESP DIPARTIMENTO DI PREVENZIONE CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Calistri P, Savini G.
EPI_ISL_833262, EPI_ISL_833263, EPI_ISL_833264	SIESP DIPARTIMENTO DI PREVENZIONE 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, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_833265, EPI_ISL_833266, EPI_ISL_833267, EPI_ISL_833268, EPI_ISL_833269	Ospedale SS Annunziata 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, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_833273	SIESP CHIETI - DRIVE IN ORTONA	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_833278	SIESP CHIETI- DRIVE IN CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_833284, EPI_ISL_833285, EPI_ISL_833286, EPI_ISL_833287	SIESP CHIETI - DRIVE IN ORTONA	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_833292, EPI_ISL_833293, EPI_ISL_833300	SIESP CHIETI - DRIVE IN LANCIANO	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_833317, EPI_ISL_833318, EPI_ISL_833323	SIESP CHIETI - DRIVE IN CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G.Caporale"	Lorusso A, Marcacci M, Di Domenico M, Ancora M, Curini V, Mangone I, Rinaldi A, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G

EPI_ISL_833324	SIESP DIPARTIMENTO DI PREVENZIONE 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, Di Pasquale A, Cammà C, Puglia I, Calistri P, Savini G
EPI_ISL_834146, EPI_ISL_834211, EPI_ISL_834212, EPI_ISL_834223, EPI_ISL_834226, EPI_ISL_834228, EPI_ISL_834231, EPI_ISL_834233, EPI_ISL_834235, EPI_ISL_834236, EPI_ISL_834237, EPI_ISL_834246, EPI_ISL_834248, EPI_ISL_834250, EPI_ISL_834256, EPI_ISL_834263, EPI_ISL_834264, EPI_ISL_834271, EPI_ISL_834274, EPI_ISL_834288, EPI_ISL_834290, EPI_ISL_834293, EPI_ISL_834298, EPI_ISL_834299, EPI_ISL_834311, EPI_ISL_834312, EPI_ISL_834313, EPI_ISL_834344, EPI_ISL_834352, EPI_ISL_834353, EPI_ISL_834360, EPI_ISL_834368, EPI_ISL_834370, EPI_ISL_834376, EPI_ISL_834377, EPI_ISL_834378, EPI_ISL_834380, EPI_ISL_834381, EPI_ISL_834382, EPI_ISL_834388, EPI_ISL_834402, EPI_ISL_834404, EPI_ISL_834407, EPI_ISL_834409, EPI_ISL_834417, EPI_ISL_834423, EPI_ISL_834427, EPI_ISL_834430, EPI_ISL_834433, EPI_ISL_834436, EPI_ISL_834440, EPI_ISL_834443, EPI_ISL_834449, EPI_ISL_834456, EPI_ISL_834459, EPI_ISL_834460, EPI_ISL_834466, EPI_ISL_834467, EPI_ISL_834468, EPI_ISL_834484, EPI_ISL_834485, EPI_ISL_834486, EPI_ISL_834488, EPI_ISL_834492, EPI_ISL_834494, EPI_ISL_834500, EPI_ISL_834503, EPI_ISL_834507, EPI_ISL_834511, EPI_ISL_834517, EPI_ISL_834519, EPI_ISL_834524, EPI_ISL_834529, EPI_ISL_834541, EPI_ISL_834545	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_834578	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_834804, EPI_ISL_834814, EPI_ISL_834823, EPI_ISL_834825, EPI_ISL_834826, EPI_ISL_834833, EPI_ISL_834834, EPI_ISL_834837, EPI_ISL_834848, EPI_ISL_834865, EPI_ISL_834867, EPI_ISL_834870, EPI_ISL_834874, EPI_ISL_834875, EPI_ISL_834886, EPI_ISL_834889, EPI_ISL_834901, EPI_ISL_834903, EPI_ISL_834909, EPI_ISL_834910, EPI_ISL_834920, EPI_ISL_834921, EPI_ISL_834925, EPI_ISL_834931, EPI_ISL_834933, EPI_ISL_834947, EPI_ISL_834949, EPI_ISL_834959, EPI_ISL_834972, EPI_ISL_834979, EPI_ISL_834981, EPI_ISL_834982, EPI_ISL_834983, EPI_ISL_834989, EPI_ISL_834991, EPI_ISL_835001, EPI_ISL_835004, EPI_ISL_835008, EPI_ISL_835017, EPI_ISL_835031, EPI_ISL_835038, EPI_ISL_835043, EPI_ISL_835047, EPI_ISL_835055, EPI_ISL_835060, EPI_ISL_835067, EPI_ISL_835081, EPI_ISL_835094, EPI_ISL_835112, EPI_ISL_835115, EPI_ISL_835127, EPI_ISL_835130, EPI_ISL_835132, EPI_ISL_835140, EPI_ISL_835492, EPI_ISL_835495, EPI_ISL_835504, EPI_ISL_835532, EPI_ISL_835546, EPI_ISL_835550, EPI_ISL_835562, EPI_ISL_835615, EPI_ISL_835639, EPI_ISL_835655, EPI_ISL_835689	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_837041, EPI_ISL_837042, EPI_ISL_837050, EPI_ISL_837051, EPI_ISL_837052, EPI_ISL_837067, EPI_ISL_837086, EPI_ISL_837093, EPI_ISL_837096, EPI_ISL_837135, EPI_ISL_837136, EPI_ISL_837137, EPI_ISL_837138, EPI_ISL_837139, EPI_ISL_837140, EPI_ISL_837141, EPI_ISL_837142, EPI_ISL_837143, EPI_ISL_837144, EPI_ISL_837145, EPI_ISL_837146, EPI_ISL_837147, EPI_ISL_837149, EPI_ISL_837150, EPI_ISL_837151, EPI_ISL_837152, EPI_ISL_837153, EPI_ISL_837154, EPI_ISL_837156, EPI_ISL_837157, EPI_ISL_837158, EPI_ISL_837159, EPI_ISL_837160, EPI_ISL_837161, EPI_ISL_837162, EPI_ISL_837163, EPI_ISL_837164, EPI_ISL_837165, EPI_ISL_837166, EPI_ISL_837167, EPI_ISL_837168, EPI_ISL_837169, EPI_ISL_837170, EPI_ISL_837171, EPI_ISL_837172, EPI_ISL_837173, EPI_ISL_837174, EPI_ISL_837175, EPI_ISL_837184, EPI_ISL_837188	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_837346, EPI_ISL_837359, EPI_ISL_837360, EPI_ISL_837361, EPI_ISL_837362, EPI_ISL_837363, EPI_ISL_837364, EPI_ISL_837365, EPI_ISL_837366, EPI_ISL_837367, EPI_ISL_837368, EPI_ISL_837375, EPI_ISL_837376, EPI_ISL_837377, EPI_ISL_837378, EPI_ISL_837379, EPI_ISL_837380, EPI_ISL_837381, EPI_ISL_837382, EPI_ISL_837383, EPI_ISL_837384, EPI_ISL_837385, EPI_ISL_837386, EPI_ISL_837388, EPI_ISL_837389, EPI_ISL_837390, EPI_ISL_837391, EPI_ISL_837392, EPI_ISL_837393, EPI_ISL_837394	National Virus Reference Laboratory	National Virus Reference Laboratory	Michael Carr, Gabriel Gonzalez, Jonathan Dean, Cillian F De Gascun
EPI_ISL_837849, EPI_ISL_837851, EPI_ISL_837853, EPI_ISL_837855, EPI_ISL_837858, EPI_ISL_837860, EPI_ISL_837862, EPI_ISL_837864, EPI_ISL_837866, EPI_ISL_837867, EPI_ISL_837868, EPI_ISL_837873, EPI_ISL_837875, EPI_ISL_837878, EPI_ISL_837879, EPI_ISL_837880, EPI_ISL_837881, EPI_ISL_837883, EPI_ISL_837884, EPI_ISL_837885, EPI_ISL_837888, EPI_ISL_837889, EPI_ISL_837890, EPI_ISL_837892, EPI_ISL_837894, EPI_ISL_837895, EPI_ISL_837898, EPI_ISL_837926, EPI_ISL_837928	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Grant Hall, Iliana Georgana, Myra Hosmillo, Martin D. Curran, Malte Pinckert, Surendra Parmar, Ian Goodfellow
EPI_ISL_838189, EPI_ISL_838190, EPI_ISL_838191, EPI_ISL_838192, EPI_ISL_838193, EPI_ISL_838195	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_838273	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh / Institute of Genetics and Molecular Medicine, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Rooke S, Gallagher M, Balcaza C, O'Toole A, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Williams TC, Templeton K
EPI_ISL_838333	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_838583, EPI_ISL_838584, EPI_ISL_838590, EPI_ISL_838591, EPI_ISL_838594, EPI_ISL_838595, EPI_ISL_838601, EPI_ISL_838604, EPI_ISL_838608, EPI_ISL_838611, EPI_ISL_838618, EPI_ISL_838621, EPI_ISL_838624, EPI_ISL_838629, EPI_ISL_838637, EPI_ISL_838639, EPI_ISL_838640, EPI_ISL_838644, EPI_ISL_838647, EPI_ISL_838650, EPI_ISL_838653, EPI_ISL_838656, EPI_ISL_838657, EPI_ISL_838658, EPI_ISL_838659, EPI_ISL_838660	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alzeihai, 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_838765, EPI_ISL_838766, EPI_ISL_838769, EPI_ISL_838770, EPI_ISL_838771, EPI_ISL_838773, EPI_ISL_838774, EPI_ISL_838775, EPI_ISL_838776, EPI_ISL_838777, EPI_ISL_838779, EPI_ISL_838782, EPI_ISL_838784, EPI_ISL_838785, EPI_ISL_838786, EPI_ISL_838787, EPI_ISL_838789, EPI_ISL_838790, EPI_ISL_838791, EPI_ISL_838794, EPI_ISL_838795, EPI_ISL_838796, EPI_ISL_838797, EPI_ISL_838799, EPI_ISL_838802, EPI_ISL_838803, EPI_ISL_838804, EPI_ISL_838805, EPI_ISL_838806, EPI_ISL_838810, EPI_ISL_838812, EPI_ISL_838813, EPI_ISL_838814, EPI_ISL_838816, EPI_ISL_838817, EPI_ISL_838818, EPI_ISL_838819, EPI_ISL_838820, EPI_ISL_838821, EPI_ISL_838822, EPI_ISL_838823, EPI_ISL_838825, EPI_ISL_838826, EPI_ISL_838827, EPI_ISL_838828, EPI_ISL_838830, EPI_ISL_838831, EPI_ISL_838832, EPI_ISL_838833, EPI_ISL_838834, EPI_ISL_838838, EPI_ISL_838839, EPI_ISL_838840, EPI_ISL_839041, EPI_ISL_839043, EPI_ISL_839054, EPI_ISL_839060, EPI_ISL_839063, EPI_ISL_839064, EPI_ISL_839065, EPI_ISL_839066, EPI_ISL_839067, EPI_ISL_839068, EPI_ISL_839069, EPI_ISL_839074, EPI_ISL_839075, EPI_ISL_839080, EPI_ISL_839081, EPI_ISL_839082, EPI_ISL_839083, EPI_ISL_839084, EPI_ISL_839085, EPI_ISL_839086, EPI_ISL_839087, EPI_ISL_839089, EPI_ISL_839090, EPI_ISL_839092, EPI_ISL_839093, EPI_ISL_839095, EPI_ISL_839096, EPI_ISL_839097, EPI_ISL_839099, EPI_ISL_839100, EPI_ISL_839101, EPI_ISL_839102, EPI_ISL_839105, EPI_ISL_839107, EPI_ISL_839108, EPI_ISL_839109, EPI_ISL_839110, EPI_ISL_839111, EPI_ISL_839112, EPI_ISL_839113, EPI_ISL_839114, EPI_ISL_839209, EPI_ISL_839218, EPI_ISL_839219, EPI_ISL_839220, EPI_ISL_839221, EPI_ISL_839222, EPI_ISL_839223, EPI_ISL_839224, EPI_ISL_839225, EPI_ISL_839226, EPI_ISL_839232, EPI_ISL_839307, EPI_ISL_839310, EPI_ISL_839313, EPI_ISL_839314, EPI_ISL_839325, EPI_ISL_839327, EPI_ISL_839330	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 Randall, James Price, Alison Holmes, Judith Breuer
EPI_ISL_839668, EPI_ISL_839672, EPI_ISL_839676, EPI_ISL_839682, EPI_ISL_839685, EPI_ISL_839688, EPI_ISL_839692, EPI_ISL_839699, EPI_ISL_839700, EPI_ISL_839701, EPI_ISL_839703, EPI_ISL_839704, EPI_ISL_839709, EPI_ISL_839710, EPI_ISL_839713, EPI_ISL_839723, EPI_ISL_839724	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Warren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusrî Taha, Gary Eltringham
EPI_ISL_840109, EPI_ISL_840114, EPI_ISL_840117, EPI_ISL_840118, EPI_ISL_840123, EPI_ISL_840126	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_840332, EPI_ISL_840333, EPI_ISL_840334, EPI_ISL_840336, EPI_ISL_840344, EPI_ISL_840348	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_840395, EPI_ISL_840520, EPI_ISL_840522, EPI_ISL_840529, EPI_ISL_840530, EPI_ISL_840533, EPI_ISL_840543, EPI_ISL_840555, EPI_ISL_840559, EPI_ISL_840561, EPI_ISL_840562, EPI_ISL_840565, EPI_ISL_840571, EPI_ISL_840572, EPI_ISL_840575, EPI_ISL_840576, EPI_ISL_840585, EPI_ISL_840600, EPI_ISL_840611, EPI_ISL_840615, EPI_ISL_840617, EPI_ISL_840620, EPI_ISL_840626, EPI_ISL_840627, EPI_ISL_840629, EPI_ISL_840630, EPI_ISL_840632, EPI_ISL_840636, EPI_ISL_840643, EPI_ISL_840649, EPI_ISL_840658, EPI_ISL_840674, EPI_ISL_840698, EPI_ISL_840701, EPI_ISL_840708, EPI_ISL_840812, EPI_ISL_840814, EPI_ISL_840815	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_840816, EPI_ISL_840819, EPI_ISL_840916, EPI_ISL_841058,	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_841095, EPI_ISL_841096, EPI_ISL_841109, EPI_ISL_841112, EPI_ISL_841119			
EPI_ISL_841321, EPI_ISL_841355, EPI_ISL_841368, EPI_ISL_841370, EPI_ISL_841508, EPI_ISL_841509, EPI_ISL_841521, EPI_ISL_841522, EPI_ISL_841580, EPI_ISL_841587	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_842004, EPI_ISL_842010, EPI_ISL_842013, EPI_ISL_842014, EPI_ISL_842015	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Yann Bourgeois, Garry Scarlett, Sharon Glaysher, Scott Elliott, Kelly Bicknell, Robert Impey, Allyson Lloyd, Sarah Wyllie, Ethan Butcher, Anoop Chauhan, Samuel Robson
EPI_ISL_842273, EPI_ISL_842312, EPI_ISL_842341	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_842361, EPI_ISL_842362, EPI_ISL_842367, EPI_ISL_842422, EPI_ISL_842423, EPI_ISL_842425, EPI_ISL_842426, EPI_ISL_842427, EPI_ISL_842428, EPI_ISL_842429, EPI_ISL_842430, EPI_ISL_842431, EPI_ISL_842432, EPI_ISL_842433, EPI_ISL_842434, EPI_ISL_842435, EPI_ISL_842436, EPI_ISL_842437, EPI_ISL_842439, EPI_ISL_842441, EPI_ISL_842442, EPI_ISL_842443, EPI_ISL_842444, EPI_ISL_842445, EPI_ISL_842448, EPI_ISL_842449, EPI_ISL_842450, EPI_ISL_842451, EPI_ISL_842452, EPI_ISL_842454, EPI_ISL_842456, EPI_ISL_842457, EPI_ISL_842458, EPI_ISL_842459, EPI_ISL_842460, EPI_ISL_842461, EPI_ISL_842462, EPI_ISL_842464, EPI_ISL_842465, EPI_ISL_842467, EPI_ISL_842468, EPI_ISL_842469, EPI_ISL_842470, EPI_ISL_842472, EPI_ISL_842473, EPI_ISL_842474, EPI_ISL_842475, EPI_ISL_842477, EPI_ISL_842478, EPI_ISL_842480, EPI_ISL_842481, EPI_ISL_842482, EPI_ISL_842483, EPI_ISL_842485, EPI_ISL_842486, EPI_ISL_842488, EPI_ISL_842490, EPI_ISL_842491, EPI_ISL_842493, EPI_ISL_842497, EPI_ISL_842498, EPI_ISL_842499, EPI_ISL_842500, EPI_ISL_842501, EPI_ISL_842502, EPI_ISL_842503, EPI_ISL_842504, EPI_ISL_842506, EPI_ISL_842508, EPI_ISL_842509, EPI_ISL_842510, EPI_ISL_842511, EPI_ISL_842513, EPI_ISL_842585, EPI_ISL_842590, EPI_ISL_842591, EPI_ISL_842593, EPI_ISL_842594, EPI_ISL_842598, EPI_ISL_842599, EPI_ISL_842600, EPI_ISL_842601, EPI_ISL_842602, EPI_ISL_842603, EPI_ISL_842605, EPI_ISL_842606, EPI_ISL_842607, EPI_ISL_842608			
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_843144, EPI_ISL_843145, EPI_ISL_843146, EPI_ISL_843147, EPI_ISL_843148, EPI_ISL_843149, EPI_ISL_843150	Barts Health NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	CUTINO-MOGUEL, Maria-Teresa; HARRINGTON, David; OWOYEMI, Dola; SHYLINI, Raghavendran; BROAD, Claire; KELE, Beatrix
EPI_ISL_843151, EPI_ISL_843152, EPI_ISL_843153, EPI_ISL_843154, EPI_ISL_843155, EPI_ISL_843156, EPI_ISL_843157, EPI_ISL_843158, EPI_ISL_843159, EPI_ISL_843160, EPI_ISL_843161, EPI_ISL_843163, EPI_ISL_843164, EPI_ISL_843165, EPI_ISL_843166			
see above	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_843193	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_843622, EPI_ISL_843624, EPI_ISL_843643, EPI_ISL_843710, EPI_ISL_843749, EPI_ISL_843790, EPI_ISL_843796, EPI_ISL_843908, EPI_ISL_843909, EPI_ISL_843928, EPI_ISL_843971, EPI_ISL_844074, EPI_ISL_844105			
see above	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Albertsen Lab, Department of Chemistry and Bioscience, Aalborg University, Denmark	Danish Covid-19 Genome Consortium
EPI_ISL_845588, EPI_ISL_845590, EPI_ISL_845592, EPI_ISL_845593, EPI_ISL_845594, EPI_ISL_845596, EPI_ISL_845598, EPI_ISL_845600, EPI_ISL_845604, EPI_ISL_845606, EPI_ISL_845608, EPI_ISL_845610, EPI_ISL_845611, EPI_ISL_845614, EPI_ISL_845615			
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EPI_ISL_845881	Kidwai Memorial Institute of Oncology	Department of Neurovirology, National Institute of Mental Health and Neurosciences (NIMHANS)	Chitra Pattabiraman, Pramada Prasad, Risha Rasheed, Darshan Sreenivas, Nakka Vijay Kiran Reddy, Anita S Desai, V Ravi
EPI_ISL_846526, EPI_ISL_846536	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_846637, EPI_ISL_846638, EPI_ISL_846639, EPI_ISL_846640	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 Gisele
EPI_ISL_846641	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
EPI_ISL_847920, EPI_ISL_847921, EPI_ISL_847924, EPI_ISL_847925	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, Keith Harshman, Ioannis Xenarios, Emmanouil Dermitzakis
EPI_ISL_849634	SIESP DIPARTIMENTO DI PREVENZIONE CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Savini G.
EPI_ISL_849635, EPI_ISL_849636	DIPARTIMENTO PREVENZIONE AVEZZANO-SERVIZIO DI IGIENE EPIDEMIOLOGIA E SANITA' PUBBLICA	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Savini G.
EPI_ISL_849637, EPI_ISL_849638, EPI_ISL_849639, EPI_ISL_849640, EPI_ISL_849641, EPI_ISL_849642, EPI_ISL_849643, EPI_ISL_849644, EPI_ISL_849645, EPI_ISL_849646	SIESP DIPARTIMENTO DI PREVENZIONE CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Savini G.
EPI_ISL_849647, EPI_ISL_849648, EPI_ISL_849649	SIESP- DRIVE IN CHIETI	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Lorusso A, Marcacci M, Di Domenico M, Curini V, Ancora M, Cammà C, Rinaldi A, Mangone I, Di Pasquale A, Puglia I, Savini G.
EPI_ISL_850508	Hospital de Tortosa Verge de la Cinta	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Cristina Andrés, Maria Piñana, Josep F Abril, Damir Garcia-Cehic, Ariadna Rando, Juliana Esperalba, Maria Gema Codina, Carla Castillo, Maria Carmen Martin, Tomás Pumarola, Josep Quer, Andrés Antón
EPI_ISL_850602, EPI_ISL_850607, EPI_ISL_850610, EPI_ISL_850612, EPI_ISL_850614, EPI_ISL_850617, EPI_ISL_850618, EPI_ISL_850620, EPI_ISL_850628, EPI_ISL_850631, EPI_ISL_850632, EPI_ISL_850633, EPI_ISL_850634, EPI_ISL_850635, EPI_ISL_850636, EPI_ISL_850637, EPI_ISL_850638, EPI_ISL_850641, EPI_ISL_850645, EPI_ISL_850648, EPI_ISL_850649, EPI_ISL_850651			
see above	Helix/Illumina	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dhvani Batra, Ben L. Rambo-Martin Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efrén Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_850657, EPI_ISL_850660, EPI_ISL_850661, EPI_ISL_850662	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, Chaeyoung Lee, Sang Hee Woo, Eun-Jin Kim
EPI_ISL_852017	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_853402, EPI_ISL_853403	Charité Universitätsmedizin Berlin, Institut für Virologie/Labor Berlin	Charité Universitätsmedizin Berlin, Institut für Virologie	Victor M Corman, Julia Schneider, Barbara Mühlemann, Jörn Beheim-Schwarzbach, Talitha Veith, Julia Tesch, Tobias Bleicker, Terry Jones, Christian Drosten
EPI_ISL_856973	Platform BIS UZA/UAntwerpen, University Hospital Antwerp, Edegem, Belgium	UAntwerp, Laboratory of Medical Microbiology, Campus Drie Eiken S6.26, Universiteitsplein 1, 2610, Wilrijk, Antwerp, Belgium	Basil Britto Xavier, Jasmine Coppens, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_857047	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_857055	Platform BIS UZA/UAntwerpen, University Hospital Antwerp, Edegem, Belgium	UAntwerp, Laboratory of Medical Microbiology, Campus Drie Eiken S6.26, Universiteitsplein 1, 2610, Wilrijk, Antwerp, Belgium	Basil Britto Xavier, Jasmine Coppens, Christine Lammens, Veerle Matheeußen, Herman Goossens
EPI_ISL_858274, EPI_ISL_858313	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858575, EPI_ISL_858582	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_858583, EPI_ISL_858584, EPI_ISL_858589, EPI_ISL_858593, EPI_ISL_858595, EPI_ISL_858597, EPI_ISL_858599, EPI_ISL_858602, EPI_ISL_858603, EPI_ISL_858605, EPI_ISL_858606, EPI_ISL_858614, EPI_ISL_858617, EPI_ISL_858622, EPI_ISL_858629, EPI_ISL_858631, EPI_ISL_858634, EPI_ISL_858639	see above	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858645, EPI_ISL_858663, EPI_ISL_858666, EPI_ISL_858667, EPI_ISL_858669, EPI_ISL_858676, EPI_ISL_858678, EPI_ISL_858684, EPI_ISL_858685, EPI_ISL_858686, EPI_ISL_858687, EPI_ISL_858688, EPI_ISL_858690, EPI_ISL_858693, EPI_ISL_858695, EPI_ISL_858697, EPI_ISL_858699, EPI_ISL_858701, EPI_ISL_858704	see above	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_858712	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858713, EPI_ISL_858714	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_858718	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858720	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_858721, EPI_ISL_858723, EPI_ISL_858724	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858725	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_858726, EPI_ISL_858727, EPI_ISL_858728, EPI_ISL_858730, EPI_ISL_858731	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858737	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_858738	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858739	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_858741, EPI_ISL_858743, EPI_ISL_858744, EPI_ISL_858747	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858748	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_858751	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858752	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_858759, EPI_ISL_858763, EPI_ISL_858768, EPI_ISL_858769, EPI_ISL_858771, EPI_ISL_858774, EPI_ISL_858776, EPI_ISL_858777	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858779, EPI_ISL_858780	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_858781	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominicczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858784, EPI_ISL_858788, EPI_ISL_858790	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 Ald

EPI_ISL_858824, EPI_ISL_858825, EPI_ISL_858827, EPI_ISL_858828, EPI_ISL_858832, EPI_ISL_858834			
EPI_ISL_858842, EPI_ISL_858843	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858847, EPI_ISL_858851, EPI_ISL_858854	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_858859, EPI_ISL_858860, EPI_ISL_858863, EPI_ISL_858865	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_858873, EPI_ISL_858879, EPI_ISL_858887, EPI_ISL_858891	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_860028, EPI_ISL_860031, EPI_ISL_860032, EPI_ISL_860037, EPI_ISL_860038, EPI_ISL_860042, EPI_ISL_860043, EPI_ISL_860046, EPI_ISL_860049, EPI_ISL_860067, EPI_ISL_860072, EPI_ISL_860080, EPI_ISL_860089			
see above	BTC, Khalifa University	BTC, Khalifa University	Al Safar et al
EPI_ISL_860182, EPI_ISL_860183	Bangalore Medical College and Research Institute	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_860208, EPI_ISL_860211	Haukeland University Hospital, Dept. of Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_860213	Furst Medical Laboratory	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Atiya R Ali,Marie Paulsen Madsen, Rasmus Riis Kopperud, Hilde Vollan, Karoline Bragstad, Olav Hungnes
EPI_ISL_860641, EPI_ISL_860644, EPI_ISL_860646, EPI_ISL_860651, EPI_ISL_860653, EPI_ISL_860654, EPI_ISL_860655, EPI_ISL_860657, EPI_ISL_860660, EPI_ISL_860663, EPI_ISL_860665, EPI_ISL_860782			
see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_860846	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,Amzalag Jonas
EPI_ISL_861534, EPI_ISL_861537, EPI_ISL_861538, EPI_ISL_861540, EPI_ISL_861552, EPI_ISL_861568, EPI_ISL_861573, EPI_ISL_861574	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_861862	Labormedizinisches Zentrum Dr Risch	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Nadia Wohlwend,Martin Risch, Lorenz Risch, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_861865, EPI_ISL_861866	Bioanalytika AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Adrian Härr, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_862034	OHSU Lab Services Molecular Microbiology Lab	Oregon SARS-CoV-2 Genome Sequencing Center	Brendan L. O'Connell, Sally Grindstaff, Kayla Carter, Ruth V. Nichols, Alec J. Hirsch, Donna Hansel, Guang Fan, Xuan Qin, Daniel N. Streblow, William B. Messer, Andrew C. Adey, Benjamin N. Bimber, Brian J. O'Roak
EPI_ISL_862548	Hospital Clínico San Carlos	Instituto de Salud Carlos III	Iglesias-Caballero, M. Camarero, S. Molinero Calamita, M. González-Esguevillas, M. Pozo, F. Casas, I. Jiménez, P. Jiménez, M. Zaballos, A. Monzón, S. Varona, S. Juliá, M. Cuesta, I. Rodríguez, I.
EPI_ISL_862551	Hospital J.M. Morales Meseguer	Instituto de Salud Carlos III	Iglesias-Caballero, M. Camarero, S. Molinero Calamita, M. González-Esguevillas, M. . Pozo, F. Casas, I. Jiménez, P. Jiménez, M. Zaballos, A. Monzón, S. Varona, S. Juliá, M. Cuesta, I. Guerrero, C.
EPI_ISL_862552	Complejo Hospitalario de Navarra	Instituto de Salud Carlos III	Iglesias-Caballero, M.Camarero, S. Molinero Calamita, M. González-Esguevillas, M. Pozo, F. Casas, I. Jiménez, P. Jiménez, M. Zaballos, A. Monzón, S. Varona, S. Juliá, M. Cuesta, I. Ezpeleta, C.
EPI_ISL_862556	Gerencia de Asistencia Sanitaria de Soria	Instituto de Salud Carlos III	Iglesias-Caballero, M.Camarero, S. Molinero Calamita, M. González-Esguevillas, M. Pozo, F. Casas, I. Jiménez, P. Jiménez, M. Zaballos, A. Monzón, S. Varona, S. Juliá, M. Cuesta, I. Aldea, C.
EPI_ISL_862557, EPI_ISL_862559, EPI_ISL_862560, EPI_ISL_862561, EPI_ISL_862566	Consejería de Sanidad y Asuntos Sociales	Instituto de Salud Carlos III	Iglesias-Caballero, M. Camarero, S. Molinero Calamita, M. González-Esguevillas, M. Pozo, F. Casas, I. Jiménez, P. Jiménez, M. Zaballos, A. Monzón, S. Varona, S. Juliá, M. Cuesta, I. Gutiérrez, G.
EPI_ISL_863532, EPI_ISL_863590, EPI_ISL_863635, EPI_ISL_863639, EPI_ISL_863645, EPI_ISL_863721, EPI_ISL_863729, EPI_ISL_863746, EPI_ISL_863830, EPI_ISL_863841, EPI_ISL_863853			
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
EPI_ISL_864738, EPI_ISL_864739, EPI_ISL_864740, EPI_ISL_864742, EPI_ISL_864743, EPI_ISL_864744, EPI_ISL_864745, EPI_ISL_864746, EPI_ISL_864747, EPI_ISL_864750, EPI_ISL_864753, EPI_ISL_864757, EPI_ISL_864759, EPI_ISL_864761, EPI_ISL_864763, EPI_ISL_864765, EPI_ISL_864767, EPI_ISL_864769, EPI_ISL_864770, EPI_ISL_864772, EPI_ISL_864785, EPI_ISL_864787, EPI_ISL_864790, EPI_ISL_864795, EPI_ISL_864801, EPI_ISL_864812, EPI_ISL_864820, EPI_ISL_864822, EPI_ISL_864823, EPI_ISL_864824, EPI_ISL_864825, EPI_ISL_864827, EPI_ISL_864830, EPI_ISL_864831, EPI_ISL_864853, EPI_ISL_864858, EPI_ISL_864869, EPI_ISL_864871, EPI_ISL_864873, EPI_ISL_864877, EPI_ISL_864879, EPI_ISL_864881, EPI_ISL_864885, EPI_ISL_864891, EPI_ISL_864895, EPI_ISL_864917, EPI_ISL_864918, EPI_ISL_864925, EPI_ISL_864947, EPI_ISL_864948			
see above	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Grant Hall, Iliana Georgana, Myra Hosmillo, Martin D. Curran, Malte Pinckert, Surendra Parmar, Ian Goodfellow
EPI_ISL_864961, EPI_ISL_864967, EPI_ISL_864970, EPI_ISL_864971, EPI_ISL_864974, EPI_ISL_864975, EPI_ISL_864976, EPI_ISL_864978, EPI_ISL_864979, EPI_ISL_864980, EPI_ISL_864982			
see above	West of Scotland Specialist Virology Centre, NHSGGC / MRC-University of Glasgow Centre for Virus Research	COVID-19 Genomics UK (COG-UK) Consortium	Ana da Silva Filipe, Natasha Johnson, Kathy Smollett, Daniel Mair, Stephen Carmichael, Alice Broos, Lily Tong, Jenna Nichols, Kyriaki Nomikou; Sarah McDonald; Richard Orton, Joseph Hughes, Sreenu Vattipally, David L Robertson; Alasdair MacLean, Rory Gunson; Sharif Shaaban, Matthew Holden; Rachel Blacow, Guy Mollett, Kathy Li, James Shepherd, Antonia Ho, Emma Thomson
EPI_ISL_865004, EPI_ISL_865008	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_865080, EPI_ISL_865081, EPI_ISL_865082	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh / Institute of Genetics and Molecular Medicine, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Rooke S, Gallagher M, Balcaza C, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Williams TC, Templeton K
EPI_ISL_865363, EPI_ISL_865364, EPI_ISL_865376, EPI_ISL_865377, EPI_ISL_865380, EPI_ISL_865381, EPI_ISL_865386, EPI_ISL_865398, EPI_ISL_865405	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 Olataju, 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_865488, EPI_ISL_865489, EPI_ISL_865494, EPI_ISL_865495, EPI_ISL_865496, EPI_ISL_865497, EPI_ISL_865498, EPI_ISL_865501, EPI_ISL_865502, EPI_ISL_865514, EPI_ISL_865516, EPI_ISL_865517, EPI_ISL_865519, EPI_ISL_865520, EPI_ISL_865521, EPI_ISL_865522, EPI_ISL_865523, EPI_ISL_865524,			

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see above	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_865682, EPI_ISL_865689, EPI_ISL_865691, EPI_ISL_865692, EPI_ISL_865693, EPI_ISL_865694, EPI_ISL_865797, EPI_ISL_865799, EPI_ISL_865800, EPI_ISL_865801, EPI_ISL_865802, EPI_ISL_865803, EPI_ISL_865804, EPI_ISL_865805, EPI_ISL_865806, EPI_ISL_865807, EPI_ISL_865808, EPI_ISL_865809, EPI_ISL_865810, EPI_ISL_865811, EPI_ISL_865812, EPI_ISL_865813, EPI_ISL_865816, EPI_ISL_865817, EPI_ISL_865818, EPI_ISL_865819, EPI_ISL_865820, EPI_ISL_865821, EPI_ISL_865822, EPI_ISL_865823, EPI_ISL_865824, EPI_ISL_865825, EPI_ISL_865826, EPI_ISL_865827, EPI_ISL_865828, EPI_ISL_865829, EPI_ISL_865830, EPI_ISL_865831, EPI_ISL_865832, EPI_ISL_865833, EPI_ISL_865834, EPI_ISL_865835, EPI_ISL_865836, EPI_ISL_865837, EPI_ISL_865838, EPI_ISL_865839, EPI_ISL_865840, EPI_ISL_865842, EPI_ISL_865843, EPI_ISL_865844, EPI_ISL_865846			
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_866071, EPI_ISL_866072, EPI_ISL_866073, EPI_ISL_866074, EPI_ISL_866115, EPI_ISL_866122, EPI_ISL_866127, EPI_ISL_866135, EPI_ISL_866140, EPI_ISL_866162, EPI_ISL_866168, EPI_ISL_866183			
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_866346, EPI_ISL_866347, EPI_ISL_866348, EPI_ISL_866349, EPI_ISL_866350, EPI_ISL_866351, EPI_ISL_866352, EPI_ISL_866364, EPI_ISL_866365, EPI_ISL_866372	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_866487, EPI_ISL_866494, EPI_ISL_866495, EPI_ISL_866498, EPI_ISL_866499, EPI_ISL_866507, EPI_ISL_866513, EPI_ISL_866515, EPI_ISL_866517, EPI_ISL_866519, EPI_ISL_866525, EPI_ISL_866526, EPI_ISL_866535			
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, Jayne Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusra Taha, Gary Eltringham
EPI_ISL_866601	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_866994, EPI_ISL_866998, EPI_ISL_866999, EPI_ISL_867001, EPI_ISL_867002, EPI_ISL_867007, EPI_ISL_867009, EPI_ISL_867012, EPI_ISL_867015, EPI_ISL_867017	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joeseeph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_867037, EPI_ISL_867038, EPI_ISL_867039, EPI_ISL_867040, EPI_ISL_867045, EPI_ISL_867046, EPI_ISL_867048, EPI_ISL_867049, EPI_ISL_867050, EPI_ISL_867051, EPI_ISL_867055, EPI_ISL_867056, EPI_ISL_867057, EPI_ISL_867058, EPI_ISL_867059, EPI_ISL_867061, EPI_ISL_867063, EPI_ISL_867064, EPI_ISL_867065, EPI_ISL_867066, EPI_ISL_867067, EPI_ISL_867068, EPI_ISL_867069, EPI_ISL_867071, EPI_ISL_867072, EPI_ISL_867073, EPI_ISL_867074, EPI_ISL_867077, EPI_ISL_867078, EPI_ISL_867079, EPI_ISL_867080, EPI_ISL_867081, EPI_ISL_867084, EPI_ISL_867089, EPI_ISL_867090, EPI_ISL_867093, EPI_ISL_867094, EPI_ISL_867095, EPI_ISL_867096, EPI_ISL_867097, EPI_ISL_867155, EPI_ISL_867159, EPI_ISL_867169, EPI_ISL_867170			
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EPI_ISL_867441, EPI_ISL_867442	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
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EPI_ISL_868423	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_868716, EPI_ISL_868721, EPI_ISL_868724, EPI_ISL_868726, EPI_ISL_868730, EPI_ISL_868731, EPI_ISL_868733, EPI_ISL_868734, EPI_ISL_868736, EPI_ISL_868738, EPI_ISL_868740, EPI_ISL_868743, EPI_ISL_868751, EPI_ISL_868842, EPI_ISL_868852, EPI_ISL_868857, EPI_ISL_868858, EPI_ISL_868874, EPI_ISL_868907, EPI_ISL_868913, EPI_ISL_868916, EPI_ISL_868924, EPI_ISL_868927, EPI_ISL_868928, EPI_ISL_868929			
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EPI_ISL_868949	Charité Universitätsmedizin Berlin, Institute of Virology, Charitéplatz 1, 10117 Berlin, Germany	Charité Universitätsmedizin Berlin, Institute of Virology, Charitéplatz 1, 10117 Berlin, Germany	Victor M Corman, Julia Schneider, Jörn Beheim-Schwarzbach, Tobias Blecker, Julia Tesch, Barbara Mühlemann, Talitha Veith, Terry Jones, Christian Drosten
EPI_ISL_869014, EPI_ISL_869015, EPI_ISL_869016, EPI_ISL_869017, EPI_ISL_869018, EPI_ISL_869019, EPI_ISL_869021, EPI_ISL_869022, EPI_ISL_869023, EPI_ISL_869024, EPI_ISL_869025, EPI_ISL_869027, EPI_ISL_869028, EPI_ISL_869029, EPI_ISL_869030, EPI_ISL_869031, EPI_ISL_869032, EPI_ISL_869033, EPI_ISL_869034, EPI_ISL_869035, EPI_ISL_869036, EPI_ISL_869037, EPI_ISL_869038, EPI_ISL_869039, EPI_ISL_869040, EPI_ISL_869041, EPI_ISL_869043, EPI_ISL_869044, EPI_ISL_869045, EPI_ISL_869046, EPI_ISL_869048, EPI_ISL_869049, EPI_ISL_869051, EPI_ISL_869052, EPI_ISL_869053, EPI_ISL_869054, EPI_ISL_869055, EPI_ISL_869056, EPI_ISL_869057, EPI_ISL_869058, EPI_ISL_869059, EPI_ISL_869060, EPI_ISL_869061, EPI_ISL_869062, EPI_ISL_869063, EPI_ISL_869064, EPI_ISL_869065, EPI_ISL_869066, EPI_ISL_869067, EPI_ISL_869068, EPI_ISL_869069, EPI_ISL_869070, EPI_ISL_869071, EPI_ISL_869072, EPI_ISL_869073, EPI_ISL_869074, EPI_ISL_869075, EPI_ISL_869076, EPI_ISL_869077, EPI_ISL_869078			
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EPI_ISL_871459, EPI_ISL_871470, EPI_ISL_871496	Department of Virus and Microbiological Special Diagnostics, Statens Serum Institut, Copenhagen, Denmark	Aalborg University	Danish Covid-19 Genome Consortium
EPI_ISL_871800, EPI_ISL_871801, EPI_ISL_871802, EPI_ISL_871803	AIID	Irish Coronavirus Sequencing Consortium-Teagasc Grange	Matthew McCabe, Aljandro Abner Garcia Leon, Fiona Crispie, Calum Walsh, Michael Carr, John Kenny, Paul Cotter, Patrick Mallon, Gabriel Gonzalez
EPI_ISL_871893	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
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EPI_ISL_871911	Navarra (IdiSNA) 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_872323	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, Rouah Raquel
EPI_ISL_872625	Nigeria Centre for Disease Control (NCDC)	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University	Oluniyi P.E. et al
EPI_ISL_877228	Institute for Medical Research, Infectious Disease Research Centre, National Institutes of Health, Ministry of Health Malaysia	Institute for Medical Research, Infectious Disease Research Centre, National Institutes of Health, Ministry of Health Malaysia	Suppiah J, Kamel K, Azizan MA, Thayan R
EPI_ISL_882303, EPI_ISL_882305, EPI_ISL_882307, EPI_ISL_882308, EPI_ISL_882309, EPI_ISL_882314, EPI_ISL_882316, EPI_ISL_882319, EPI_ISL_882320, EPI_ISL_882321, EPI_ISL_882327, EPI_ISL_882332, EPI_ISL_882339, EPI_ISL_882341, EPI_ISL_882343, EPI_ISL_882344, EPI_ISL_882352, EPI_ISL_882360, EPI_ISL_882361, EPI_ISL_882363, EPI_ISL_882364, EPI_ISL_882365, EPI_ISL_882371, EPI_ISL_882376, EPI_ISL_882377, EPI_ISL_882379, EPI_ISL_882382, EPI_ISL_882385, EPI_ISL_882388, EPI_ISL_882390, EPI_ISL_882393, EPI_ISL_882397, EPI_ISL_882398, EPI_ISL_882402, EPI_ISL_882404, EPI_ISL_882409, EPI_ISL_882413, EPI_ISL_882415, EPI_ISL_882418, EPI_ISL_882420, EPI_ISL_882421, EPI_ISL_882427, EPI_ISL_882428, EPI_ISL_882429, EPI_ISL_882437, EPI_ISL_882438, EPI_ISL_882440, EPI_ISL_882442, EPI_ISL_882445, EPI_ISL_882471, EPI_ISL_882473, EPI_ISL_882475, EPI_ISL_882476, EPI_ISL_882480, EPI_ISL_882481, EPI_ISL_882482, EPI_ISL_882484, EPI_ISL_882491, EPI_ISL_882494, EPI_ISL_882505, EPI_ISL_882506, EPI_ISL_882512, EPI_ISL_882518, EPI_ISL_882520, EPI_ISL_882524, EPI_ISL_882525, EPI_ISL_882534, EPI_ISL_882537, EPI_ISL_882538, EPI_ISL_882539, EPI_ISL_882542, EPI_ISL_882544, EPI_ISL_882548, EPI_ISL_882549, EPI_ISL_882550, EPI_ISL_882559, EPI_ISL_882562, EPI_ISL_882563, EPI_ISL_882564, EPI_ISL_882565, EPI_ISL_882566, EPI_ISL_882568, EPI_ISL_882571, EPI_ISL_882576, EPI_ISL_882579, EPI_ISL_882580, EPI_ISL_882585, EPI_ISL_882586, EPI_ISL_882588, EPI_ISL_882589, EPI_ISL_882593, EPI_ISL_882595, EPI_ISL_882600, EPI_ISL_882601, EPI_ISL_882602			
see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_882617, EPI_ISL_882621, EPI_ISL_882623	Hospital Ramón y Cajal	Hospital Ramón y Cajal	José M Gonzalez-Alba, Concepción Rodríguez, Melanie Abreu, Laura Martínez, Val F Lanza, Luz Leticia Olaviarieta, Rafael Cantón, JC Galán
EPI_ISL_882652	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_882663, EPI_ISL_882664	LACEN do Distrito Federal	Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory	Claudio Tavares Sacchi, Claudia Regina Gonçalves, Erica Valessa Ramos Gomes, Karoline Rodrigues Campos
EPI_ISL_883958	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_887648	Labcorp	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dhwanj Batra, Ben L. Rambo-Martin, Summer Galloway, Brian Krueger, 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, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Vosheill, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Suxiang Tong, Duncan MacCannell,
EPI_ISL_888596	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, Pier Luigi Acutis, Maria Goria, Elena Bozzetta, Simone Peletto
EPI_ISL_888676	Center of Advanced Studies and Technology, Molecular Genetics Laboratory	Center of Advanced Studies and Technology, Molecular Genetics Laboratory	De Fabritiis Simone, Mandatori Domitilla, Ferrante Rossella
EPI_ISL_889032, EPI_ISL_889035, EPI_ISL_889041, EPI_ISL_889055, EPI_ISL_889058, EPI_ISL_889059, EPI_ISL_889061, EPI_ISL_889063, EPI_ISL_889070, EPI_ISL_889075, EPI_ISL_889134, EPI_ISL_889135, EPI_ISL_889144, EPI_ISL_889155, EPI_ISL_889293	Israel Central Virology laboratory	Israel National Consortium for SARS-CoV-2 sequencing	Neta Zuckerman, Efrat Dahan Bucris, Michal Mandelboim, Dana Bar-Ilan, Oran Erster, Tzvia Mann, Omer Murik, David A. Zeevi, Assaf Rokney, Joseph Jaffe, Eva Nachum, Maya Davidovich Cohen, Ephraim Fass, Gal Zizelski Valenci, Mor Rubinstein, Efrat Rorman, Israel Nissan, Efrat Glick-Saar, Omri Nayshool, Gideon Rechavi, Ella Mendelson, Orna Mor
EPI_ISL_892212	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_892244	National Laboratory for Health, Environment and Food	National Laboratory for Health, Environment and Food	Aleksander Mahnic, Sandra Janezic, Maja Rupnik
EPI_ISL_896072	Viollier AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Karoline Leuzinger, Julia Bielicki, Christiane Beckmann, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_896087, EPI_ISL_896088	Labormedizinisches Zentrum Dr Risch	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Nadia Wohlwend, Martin Risch, Lorenz Risch, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_896095	Bioanalytika AG	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Adrian Härr, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_896101, EPI_ISL_896102	Kantonsspital Aarau, Institut für Labormedizin	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Michael Oberle, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_896103, EPI_ISL_896104	Labormedizinisches Zentrum Dr Risch	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Nadia Wohlwend, Martin Risch, Lorenz Risch, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_900504, EPI_ISL_900507, EPI_ISL_900508, EPI_ISL_900509	Mirialis	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_900510	Laboratoire de virologie, CHU de Grenoble - CS 10217 - 38043 Grenoble cedex 9	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Sylvie Larrat, Laurence Josset
EPI_ISL_900512	Centre hospitalier Emile Roux	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_900513	Labosud	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_900515, EPI_ISL_900516, EPI_ISL_900517, EPI_ISL_900520	Bioesterel	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_900521	Novabio	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_900523	Novabio	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Sylvie Larrat, Laurence Josset
EPI_ISL_900525	Astralab	CNR Virus des Infections Respiratoires - France SUD	Antonin Bal, Gregory Destras, Gwendolyne Burfin, Hadrien Règue, Quentin Semanas, Martine Valette, Bruno Lina, Laurence Josset
EPI_ISL_902858	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_903383	MOH - Jaber Al-Ahmad Hospital (Innovation Research Laboratory)	MOH - Jaber Al-Ahmad Hospital (Innovation Research Laboratory)	Salman Al-Sabab , Mohammad Alghounaim
EPI_ISL_904160, EPI_ISL_904186,	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

EPI_ISL_904187, EPI_ISL_904196, EPI_ISL_904197, EPI_ISL_904198, EPI_ISL_904199, EPI_ISL_904265, EPI_ISL_904266, EPI_ISL_904267			GeurtsvanKessel, Anнемiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.	
EPI_ISL_905101, EPI_ISL_905104, EPI_ISL_905128, EPI_ISL_905169, EPI_ISL_905187, EPI_ISL_905201, EPI_ISL_905397, EPI_ISL_905401, EPI_ISL_905418, EPI_ISL_905492, EPI_ISL_905494, EPI_ISL_905510, EPI_ISL_905515, EPI_ISL_905536, EPI_ISL_905551, EPI_ISL_905556, EPI_ISL_905557, EPI_ISL_905558, EPI_ISL_905559, EPI_ISL_905560, EPI_ISL_905713	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_906091	Shimantik Pathology and Diagnostic Center		Child Health Research Foundation	Senjuti Saha, Syed Muktadir Al Sium, Arif Mohammad Tanmoy, Afroza Akter Tanni, Sharmistha Goswami, Roly Malaker Md Hafizur Rahman, Md. Parvej Alam, Md. Mobarok Karim, Samir K Saha
EPI_ISL_906851	Respiratory Viruses Branch, Centers for Disease Control and Prevention		Respiratory Viruses Branch, Centers for Disease Control and Prevention	Tao,Y., Li,Y., Zhang,J., Queen,K., Uehara,A., Cook,P., Paden,C.R., Wang,H., Tong,S.
EPI_ISL_910030, EPI_ISL_910222, EPI_ISL_910324	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_910565, EPI_ISL_911233	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, Tamir Abdelrahman
EPI_ISL_911259, EPI_ISL_911262, EPI_ISL_911263, EPI_ISL_911266, EPI_ISL_911267, EPI_ISL_911270, EPI_ISL_911283	AZDelta		AZDelta	Geert Martens; Dieter De Smet
EPI_ISL_911331	Servicio de Microbiología, Hospital Universitario Son Espases		SeqCOVID-SPAIN consortium/IBV(CSIC)	Carla López-Causapé, Jordi Reina, Antonio Oliver and SeqCOVID-SPAIN consortium
EPI_ISL_911524	Microbiology and Virology Unit, Florence Careggi University Hospital		Microbiology and Virology Unit, Florence Careggi University Hospital	Vincenzo Di Pilato, Marco Coppi, Fabio Morecchiato, Noemi Aiezza, Ilaria Baccani, Alberto Antonelli, Emanuele Gori, Gian Maria Rossolini
EPI_ISL_911545	CSIR-IGIB		CSIR-IGIB	Rajesh Pandey, Akshay Kanakan, Janani SV, Ranjeet Maurya, Aparna S Murali, Shweta Sahni, Azka Khan, Partha Chattopadhyay, Priti Devi, Priyanka Mehta, Anil Kumar, Nisha Rawat
EPI_ISL_911967	LabCorp		Wyoming Public Health Laboratory	Noah Hull, Taylor Fearing, Lynette Gumbleton, Channing Weber, Ashley Norberg, Bailey Bowcutt, and Wanda Manley
EPI_ISL_912405, EPI_ISL_912407, EPI_ISL_912409, EPI_ISL_912411, EPI_ISL_912412, EPI_ISL_912417, EPI_ISL_912419	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_912550, EPI_ISL_912551, EPI_ISL_912552, EPI_ISL_912553	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,Amzalag Jonas
EPI_ISL_912567	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
EPI_ISL_912570, EPI_ISL_912571, EPI_ISL_912572	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,Amzalag Jonas
EPI_ISL_912921, EPI_ISL_912922	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_913021, EPI_ISL_913022, EPI_ISL_913023	Hospital San Pedro de Alcántara		Instituto de Salud Carlos III	Iglesias-Caballero, M. Camarero, S. Sandonis,V. Vázquez, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Rodríguez, G.
EPI_ISL_913024	Complejo Hospitalario Universitario de Santiago		Instituto de Salud Carlos III	Iglesias-Caballero, M. Camarero, S. Sandonis,V. Vázquez, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Peña,F.
EPI_ISL_913033, EPI_ISL_913034	Hospital San Pedro de Alcántara		Instituto de Salud Carlos III	Iglesias-Caballero, M. Camarero, S. Sandonis,V. Vázquez, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Rodríguez, G.
EPI_ISL_913065	Center for Virology		Center for Virology	Jeremy V. Camp, Irene Goerzer, Monika Redlberger-Fritz, Stephan W. Aberle
EPI_ISL_913102	CHU Purpan - Laboratoire de Virologie - Institut Fédératif de Biologie		CHU Purpan - Laboratoire de Virologie - Institut Fédératif de Biologie	Latour J., Ranger N., Dubois M., Carcenac R., Harter A., Boyer P., Tremeaux P., Izopet J.
EPI_ISL_913269, EPI_ISL_913274	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_913450	Unilabs AB Skovde		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_913495	Complejo Hospitalario Universitario de Santiago		Instituto de Salud Carlos III	Iglesias-Caballero, M. Camarero, S. Sandonis,V. Vázquez, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. Peña,F.
EPI_ISL_918408, EPI_ISL_918409	Ospedale Santa Caterina Novella		Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Parisi A., Bianco A., Capozzi L., Del Sambro L., Simone D., Manzulli V, Rondinone V., Pace L., Cipolletta D., Galante D.
EPI_ISL_918748, EPI_ISL_918753, EPI_ISL_918754, EPI_ISL_918756, EPI_ISL_918757, EPI_ISL_918760, EPI_ISL_918761, EPI_ISL_918762, EPI_ISL_918763, EPI_ISL_918940, EPI_ISL_918941, EPI_ISL_918943, EPI_ISL_918945, EPI_ISL_918946, EPI_ISL_918947, EPI_ISL_918948, EPI_ISL_918949, EPI_ISL_918950, EPI_ISL_918951, EPI_ISL_918952, EPI_ISL_918953, EPI_ISL_918954, EPI_ISL_918955, EPI_ISL_918958, EPI_ISL_918959, EPI_ISL_918960, EPI_ISL_918961, EPI_ISL_918962, EPI_ISL_918963, EPI_ISL_918965, EPI_ISL_918967	see above	University of Birmingham	COVID-19 Genomics UK (COG-UK) Consortium	Institute of Microbiology, University of Birmingham: Claire McMurray, Joanne Stockton, Samuel Nicholls, Radoslaw Poplawski, Will Rowe, Josh Quick, Nicholas Loman. University of Birmingham Testing Laboratory: Celina M Whalley, Andrew Bosworth, Charlotte Poxon, Kasun Wanigasooriya, Oliver Pickles, Mike Kidd, Alex Richter, Andrew D Beggs PHE Heartlands Lab: Husam Osman, Andrew Bosworth. Queen Elizabeth Hospital: Anna Casey
EPI_ISL_918984, EPI_ISL_918997, EPI_ISL_919005, EPI_ISL_919018, EPI_ISL_919020, EPI_ISL_919021, EPI_ISL_919022, EPI_ISL_919024, EPI_ISL_919025, EPI_ISL_919026, EPI_ISL_919027, EPI_ISL_919028, EPI_ISL_919030, EPI_ISL_919031, EPI_ISL_919032, EPI_ISL_919033, EPI_ISL_919034, EPI_ISL_919035, EPI_ISL_919040, EPI_ISL_919042, EPI_ISL_919053, EPI_ISL_919054, EPI_ISL_919055, EPI_ISL_919058, EPI_ISL_919063, EPI_ISL_919067, EPI_ISL_919070, EPI_ISL_919074, EPI_ISL_919080, EPI_ISL_919082, EPI_ISL_919084, EPI_ISL_919087, EPI_ISL_919091, EPI_ISL_919092, EPI_ISL_919093, EPI_ISL_919095, EPI_ISL_919097, EPI_ISL_919099, EPI_ISL_919101, EPI_ISL_919102, EPI_ISL_919103, EPI_ISL_919106, EPI_ISL_919114, EPI_ISL_919134, EPI_ISL_919136, EPI_ISL_919139, EPI_ISL_919143	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 Izu, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_919324, EPI_ISL_919325, EPI_ISL_919328, EPI_ISL_919330, EPI_ISL_919331, EPI_ISL_919332, EPI_ISL_919333, EPI_ISL_919334, EPI_ISL_919335, EPI_ISL_919336	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh / Institute of Genetics and Molecular Medicine, University of Edinburgh		COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Rooke S, Gallagher M, Balcaza C, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Williams TC, Templeton K
EPI_ISL_919435, EPI_ISL_919438	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_919452, EPI_ISL_919456, EPI_ISL_919476	Liverpool Clinical Laboratories		COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscoc, Alistair Darby, M Almsaud, A Alrezaihi, Muhanad 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_919762, EPI_ISL_919763, EPI_ISL_919764, EPI_ISL_919765, EPI_ISL_919766, EPI_ISL_919767	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutili, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_919781, EPI_ISL_919782, EPI_ISL_919783, EPI_ISL_919785, EPI_ISL_919786, EPI_ISL_919787, EPI_ISL_919788, EPI_ISL_919789, EPI_ISL_919790, EPI_ISL_919791, EPI_ISL_919792, EPI_ISL_919793, EPI_ISL_919794, EPI_ISL_919795, EPI_ISL_919796	see above	Barts Health NHS Trust	CUTINO-MOGUEL, Maria-Teresa; HARRINGTON, David; OWYEMI, Dola; KULASEGARAN-SHYLINI, Raghavendran; BROAD, Claire; KELE, Beatrix
EPI_ISL_919961, EPI_ISL_919966	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutili, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_920189, EPI_ISL_920320, EPI_ISL_920344, EPI_ISL_920354, EPI_ISL_920370, EPI_ISL_920457, EPI_ISL_920499, EPI_ISL_920569, EPI_ISL_920629, EPI_ISL_920653, EPI_ISL_920697	see above	University College London Hospital	Judith Heaney, Matthew Byott, Catherine Houlihan, Dan Frampton, Stuart Kirk, Moira Spyer and Eleni Nastouli
EPI_ISL_920842, EPI_ISL_920843, EPI_ISL_920844, EPI_ISL_920846, EPI_ISL_920847	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Sergi Castellano, Rachel Williams, Mark Kristiansen, Paola Resende Silva, Sunando Roy, Tony Brooks, Helena Tutili, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_921022, EPI_ISL_921028, EPI_ISL_921030, EPI_ISL_921034, EPI_ISL_921035, EPI_ISL_921041, EPI_ISL_921043, EPI_ISL_921046, EPI_ISL_921072, EPI_ISL_921073, EPI_ISL_921076, EPI_ISL_921087, EPI_ISL_921090, EPI_ISL_921118, EPI_ISL_921119, EPI_ISL_921120	see above	Regional Virus Laboratory, Belfast Health and Social Care Trust	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley
EPI_ISL_921227, EPI_ISL_921230, EPI_ISL_921231, EPI_ISL_921235, EPI_ISL_921236, EPI_ISL_921239, EPI_ISL_921241, EPI_ISL_921242, EPI_ISL_921249, EPI_ISL_921253, EPI_ISL_921254, EPI_ISL_921259, EPI_ISL_921260, EPI_ISL_921261, EPI_ISL_921262, EPI_ISL_921268, EPI_ISL_921272, EPI_ISL_921273, EPI_ISL_921274, EPI_ISL_921278, EPI_ISL_921280, EPI_ISL_921281, EPI_ISL_921282, EPI_ISL_921284, EPI_ISL_921286, EPI_ISL_921288, EPI_ISL_921295, EPI_ISL_921297, EPI_ISL_921298, EPI_ISL_921303, EPI_ISL_921305, EPI_ISL_921313, EPI_ISL_921314, EPI_ISL_921317, EPI_ISL_921342, EPI_ISL_921364, EPI_ISL_921366, EPI_ISL_921369, EPI_ISL_921370, EPI_ISL_921371, EPI_ISL_921372, EPI_ISL_921377, EPI_ISL_921378, EPI_ISL_921381, EPI_ISL_921384, EPI_ISL_921385, EPI_ISL_921390, EPI_ISL_921391, EPI_ISL_921392, EPI_ISL_921396, EPI_ISL_921397, EPI_ISL_921402, EPI_ISL_921403, EPI_ISL_921404, EPI_ISL_921405, EPI_ISL_921406, EPI_ISL_921421, EPI_ISL_921423, EPI_ISL_921425, EPI_ISL_921426, EPI_ISL_921433, EPI_ISL_921665, EPI_ISL_921666, EPI_ISL_921667, EPI_ISL_921668, EPI_ISL_921669, EPI_ISL_921670, EPI_ISL_921671, EPI_ISL_921672, EPI_ISL_921673, EPI_ISL_921674, EPI_ISL_921675, EPI_ISL_921778, EPI_ISL_921779	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	Darren L Smith,Andrew Nelson,Matthew Bashton,Greg R Young,Joshua Loh,John Allan,Mohammad A Tariq,Giles S Holt,Gary Black,Wen C Yew,Lynn Dover,Paul Baker,Steve Liggett,Sarah Essex,Jane Greenaway,Debra Padgett,Clive Graham,Garren Scott,Edward Barton,Emma Swindells,Brendan Payne,Jennifer Collins,Yusri Taha,Gary Eltringham
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EPI_ISL_924094, EPI_ISL_924402	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
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EPI_ISL_933426, EPI_ISL_933427, EPI_ISL_933428, EPI_ISL_933431, EPI_ISL_933432, EPI_ISL_933433, EPI_ISL_933434, EPI_ISL_933436, EPI_ISL_933437, EPI_ISL_933438, EPI_ISL_933441, EPI_ISL_933442, EPI_ISL_933443, EPI_ISL_933444, EPI_ISL_933446, EPI_ISL_933447, EPI_ISL_933448, EPI_ISL_933449, EPI_ISL_933450, EPI_ISL_933451, EPI_ISL_933452, EPI_ISL_933453, EPI_ISL_933454, EPI_ISL_933455, EPI_ISL_933456, EPI_ISL_933457, EPI_ISL_933459, EPI_ISL_933460, EPI_ISL_933461, EPI_ISL_933462, EPI_ISL_933463, EPI_ISL_933465, EPI_ISL_933466, EPI_ISL_933467, EPI_ISL_933469, EPI_ISL_933470, EPI_ISL_933471, EPI_ISL_933473, EPI_ISL_933474, EPI_ISL_933475, EPI_ISL_933476, EPI_ISL_933477	see above	Lighthouse Lab in Milton Keynes	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_934359	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
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EPI_ISL_935540, EPI_ISL_935541,	Hospital	National Reference Center for Viruses of Respiratory	Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der

EPI_ISL_935542		Infections, Institut Pasteur, Paris	Werf,Pilorge L��A
EPI_ISL_935560	Labo Analyses Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, M��line Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lori��re, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf
EPI_ISL_935640	Labo Analyses Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, M��line Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lori��re, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,Le Guillou-Guillemette H��L��Ne
EPI_ISL_935650, EPI_ISL_935651, EPI_ISL_935653	Labo Analyses Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, M��line Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lori��re, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf
EPI_ISL_940607	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, Francesco Cerutti, Valeria Ghisetti, Elena Bozzetta, Pier Luigi Acutis, Simone Peletto
EPI_ISL_941223, EPI_ISL_941225	Laboratorio de Microbiolog��a. Hospital General Universitario de Eida, Alicante	SeqCOVID-SPAIN consortium/IBV(CSIC)	M�� Isabel Gasc��n Ros, Cristina Torregrosa Hetland, Eva Pastor Boix, Paloma Cascales Ramos and SeqCOVID-SPAIN consortium
EPI_ISL_941285, EPI_ISL_941286	Nigeria Centre for Disease Control (NCDC)	African Centre of Excellence for Genomics of Infectious Diseases (ACEGID), Redeemer's University	Oluniyi P.E. et al
EPI_ISL_941624, EPI_ISL_941625	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_944597, EPI_ISL_944599	Connecticut Department of Public Health	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Mallery Breban, Anne Wylie, Chantal Vogens, Mary Petrone, Annie Watkins, Chaney Kalinich, Isabel Ott, Nathan Grubaugh
EPI_ISL_944683, EPI_ISL_944726	Department of Biochemistry, Cell and Molecular Biology, West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana	Department of Biochemistry, Cell and Molecular Biology, West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana	Morang'a,C.M., Ngoi,J.M., Quansah,E.B., Saidi,S., Amuzu,D.S., Asante,I., Bonney,J.H., Bonney,E., Odoom,J.K., Ndam,N.T., Tei-Maya,F., Adusei-Poku,M., Ofori-Boadu,L., Ampofo,W.K., Amenga-Etego,L.N., Quashie,P., Bediako,Y., Awandare,G.A.
EPI_ISL_945065	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yurni Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_945068	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_945126	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yurni Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_945335	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_945339	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_949430, EPI_ISL_949433, EPI_ISL_949485, EPI_ISL_949490, EPI_ISL_949500, EPI_ISL_949502, EPI_ISL_949508, EPI_ISL_949510, EPI_ISL_949512, EPI_ISL_949514, EPI_ISL_949518, EPI_ISL_949519, EPI_ISL_949520, EPI_ISL_949521			
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 Izu, Martin D. Curran, Surendra Parmar, Ian Goodfellow
EPI_ISL_949761	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_949959, EPI_ISL_950105, EPI_ISL_950121, EPI_ISL_950132, EPI_ISL_950137, EPI_ISL_950139, EPI_ISL_950140, EPI_ISL_950143, EPI_ISL_950144, EPI_ISL_950145, EPI_ISL_950149, EPI_ISL_950167			
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, Leyssa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
EPI_ISL_950233, EPI_ISL_950235, EPI_ISL_950236, EPI_ISL_950237, EPI_ISL_950238, EPI_ISL_950248, EPI_ISL_950249, EPI_ISL_950251, EPI_ISL_950252, EPI_ISL_950256, EPI_ISL_950276, EPI_ISL_950278, EPI_ISL_950286, EPI_ISL_950287, EPI_ISL_950295, EPI_ISL_950296, EPI_ISL_950299, EPI_ISL_950300, EPI_ISL_950301, EPI_ISL_950302, EPI_ISL_950303, EPI_ISL_950313, EPI_ISL_950314, EPI_ISL_950315, EPI_ISL_950316, EPI_ISL_950318, EPI_ISL_950319, EPI_ISL_950320, EPI_ISL_950322, EPI_ISL_950353, EPI_ISL_950354, EPI_ISL_950355, EPI_ISL_950356, EPI_ISL_950357, EPI_ISL_950360, EPI_ISL_950361, EPI_ISL_950362, EPI_ISL_950363, EPI_ISL_950364, EPI_ISL_950366, EPI_ISL_950369, EPI_ISL_950370, EPI_ISL_950371, EPI_ISL_950372, EPI_ISL_950374, EPI_ISL_950375, EPI_ISL_950377, EPI_ISL_950378, EPI_ISL_950380, EPI_ISL_950381, EPI_ISL_950383, EPI_ISL_950384, EPI_ISL_950385, EPI_ISL_950387, EPI_ISL_950389, EPI_ISL_950390, EPI_ISL_950416, EPI_ISL_950417, EPI_ISL_950418, EPI_ISL_950419, EPI_ISL_950420, EPI_ISL_950421, EPI_ISL_950422, EPI_ISL_950423, EPI_ISL_950436, EPI_ISL_950437, EPI_ISL_950439, EPI_ISL_950441, EPI_ISL_950443, EPI_ISL_950445, EPI_ISL_950447, EPI_ISL_950448, EPI_ISL_950449, EPI_ISL_950450, EPI_ISL_950454			
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 Liggitt,Sarah Essex,Jane Greenaway,Debra Padgett,Clive Graham,Garren Scott,Edward Barton,Emma Swindells,Brendan Payne,Jennifer Collins,Yusri Taha,Gary Eltringham
EPI_ISL_950555	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Elumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
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EPI_ISL_954000	Hopital	Infections, Institut Pasteur, Paris National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Werf,Amzalag Jonas Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Camille Capel, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,Schvoerer Evelynne
EPI_ISL_954001	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,Eloy Clarence
EPI_ISL_954002, EPI_ISL_954003	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,Ducancelle Alexandra
EPI_ISL_954004, EPI_ISL_954005, EPI_ISL_954006	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,Laboratoire Palissy
EPI_ISL_954008, EPI_ISL_954026, EPI_ISL_954027, EPI_ISL_954028, EPI_ISL_954029	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,Amzalag Jonas
EPI_ISL_959292, EPI_ISL_959293	Labormedizinisches Zentrum Dr Risch	University Hospital Basel, Clinical Bacteriology	Tim Roloff, Madlen Stange, Helena MB Seth-Smith, Alfredo Mari, Karoline Leuzinger, Julia Bielicki, Nadia Wohlwend,Martin Risch, Lorenz Risch, Manuel Battegay, Hans Hirsch, Adrian Egli
EPI_ISL_960224	QEII Health Sciences Centre	National Microbiology Laboratory (NML)	Anna Majer, Shari Tyson, Grace Seo, Philip Mabon, Elsie Grudeski, Rhiannon Huzarewich, Russell Mandes, Anneliese Landgraff, Jennifer Tanner, Natalie Knox, Morag Graham, Gary Van Domselaar, Todd Hatchette, Jason LeBlanc, Janice Pettipas, Dan Gaston, Nathalie Bastien, Yan Li, Timothy Booth, Darian Hole, Madison Chapel, Kirsten Biggar, CanCOGen's metadata curation team, Public Health Agency of Canada CanCOGen team
EPI_ISL_960460, EPI_ISL_960463, EPI_ISL_960464, EPI_ISL_960466, EPI_ISL_960467	Istituto Zooprofilattico Sperimentale del Mezzogiorno	TIGEM	Antonio Grimaldi, Patrizia Annunziata, Francesco Panariello, Biancamaria Pierri, Valentina Bouche, Chiara Colantuono, Maria Concetta Cuomo, Denise Di Concilio, Lucio Di Filippo, Anna Manfredi, Marcello Salvi, Antonio Limone, Pellegrino Cerino, Andrea Ballabio, Davide Cacchiarelli.
EPI_ISL_960681, EPI_ISL_960682	Germano de souza	Instituto Gulbenkian de Ciencia	Susana Ladeiro, Cathy Paulino, João Costa, João Sobral, Maria Costa, Ricardo Leite
EPI_ISL_960888, EPI_ISL_960889, EPI_ISL_960890	Institute of Medical Microbiology and Hospital Hygiene	Institute of Medical Microbiology and Hospital Hygiene	Prof. Dr. Achim Kaasch, Aljoscha Tersteegen
EPI_ISL_962502	Omics Sciences Laboratory	Omics Sciences Laboratory	Derly Andrade Molina, Rubén Armas González, Gabriel Morey León, Darlyn Amaya, Kathryn Sacheri Viteri, Emily Sulay Saitos Montalvo, Paula Juliana Gavilanes Jarrín, Juan Carlos Fernández Cadena
EPI_ISL_962613	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_962940	Hospital Universitario de Gran Canaria Dr. Negrín	SeqCOVID-SPAIN consortium/IBV(CSIC)	M. Carmen Pérez González, Francisco J. Chamizo López, Ana Bordes Benítez and SeqCOVID-SPAIN consortium
EPI_ISL_965747	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_966036, EPI_ISL_966037, EPI_ISL_966038, EPI_ISL_966039, EPI_ISL_966040, EPI_ISL_966041, EPI_ISL_966042, EPI_ISL_966043, EPI_ISL_966046, EPI_ISL_966047, EPI_ISL_966048, EPI_ISL_966049, EPI_ISL_966050, EPI_ISL_966051, EPI_ISL_966052, EPI_ISL_966053, EPI_ISL_966054, EPI_ISL_966055, EPI_ISL_966056, EPI_ISL_966057, EPI_ISL_966058	see above		
	Public Health Ontario Laboratory	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, Airnin 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 Zittermann
EPI_ISL_976879	BCCDC Public Health Laboratory	BCCDC Public Health Laboratory	Prystajecy Natalie, Linda Hoang, Dan Fornika, John Tyson, Shannon Russell, Kim Macdonald, Kimia Kamelian, Ana Pacagnella, Corrinne Ng, Loretta Janz, Robert Azana Terry Snutch, Mel Krajden
EPI_ISL_977145, EPI_ISL_977146, EPI_ISL_977147, EPI_ISL_977148, EPI_ISL_977149, EPI_ISL_977150, EPI_ISL_977151, EPI_ISL_977152, EPI_ISL_977153	National Influenza Center, National Institute of Hygiene and Epidemiology (NIHE)	National Influenza Center, National Institute of Hygiene and Epidemiology (NIHE)	Le Quynh Mai, Taichiro Takemura, Meng Ling Moi, Takeshi Nabeshima, Nguyen Le Khanh Hung, Hoang Vu Mai Phuong, Ung Thi Hong Trang, Le Thi Thanh, Nguyen Vu Son, Vuong Duc Cuong, Pham Thi Hien, Tran Thu Huong, Nguyen Phuong Anh, Pham Hong Quynh Anh, Kouichi Morita, Futoshi Hasebe, Dang Duc Anh
EPI_ISL_977156	ULSS 03 Venezia	Istituto Zooprofilattico Sperimentale delle Venezie	Adelaide Milani, Alessia Schivo, Annalisa Salvato, Erika Giorgia Quaranta, Ambra Pastori, Bianca Zecchin, Alice Fusaro, Isabella Monne, Calogero Terrigno, Antonia Ricci
EPI_ISL_977657, EPI_ISL_977658	Caribbean Public Health Agency	Carrington Lab, Department of PreClinical Sciences, Building 36, First Floor Biochemistry Unit, Faculty of Medical Sciences, The University of the West Indies	Nikita S. D. Sahadeo, Arianne Brown-Jordan, Vernie Ramkissoon, Sarah Hill, Naresh Nandram, Avery Hinds, Kenneth George, Jerome Foster, Stanley Giddings, Karla Georges, Marsha Ivey, Rahul Naidu, Risha Singh, SueMin Nathaniel, Rajini Haraksingh, Jaya Jayaraman, Chhina Chinnadurai, Adesh Ramsubhag, Nuno Faria, Oliver Pybus, Christopher Oura, Gabriel Escobar, Christine V. F. Carrington
EPI_ISL_978921, EPI_ISL_978923	Centre for Dengue Research and AICBU, Department of Immunology and Molecular Medicine	Centre for Dengue Research and AICBU, Department of Immunology and Molecular Medicine	Chandima Jeewandara, Deshni Jayathilaka, Dinuka Ariyaratne, Tibutius Thanesh Pramanayagam, Diyanath Ranasinghe, Laksiri Gomes, Gathsaurie Neelika Malavige
EPI_ISL_981954, EPI_ISL_981955, EPI_ISL_981956, EPI_ISL_981957, EPI_ISL_981958, EPI_ISL_981959, EPI_ISL_981960	Microbiology Service, Hospital Universitario Clínico San Cecilio, Granada	Microbiology Service, Hospital Universitario Clínico San Cecilio, Granada	Adolfo de Salazar, Natalia Chueca, Laura Viñuela, Ana Fuentes, Federico García
EPI_ISL_984668	University Hospitals Translational Laboratory (UHTL), University Hospitals	University Hospitals Translational Laboratory (UHTL), University Hospitals	Sadri,N., Alouani,D., Song,X.
EPI_ISL_992956	Laboratorio de Virología HUCA	Laboratorio de Virología Hospital Universitario Central de Asturias (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_993630	Hospital San Agustín	Laboratorio de Virología Hospital Universitario Central de Asturias (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_995708	BANGALORE MEDICAL COLLEGE AND RESEARCH INSTITUTE	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_996083, EPI_ISL_996084, EPI_ISL_996085, EPI_ISL_996086, EPI_ISL_996089, EPI_ISL_996090, EPI_ISL_996091, EPI_ISL_996092, EPI_ISL_996093, EPI_ISL_996094, EPI_ISL_996095, EPI_ISL_996096, EPI_ISL_996097, EPI_ISL_996098, EPI_ISL_996099, EPI_ISL_996100, EPI_ISL_996101, EPI_ISL_996102, EPI_ISL_996103, EPI_ISL_996104, EPI_ISL_996106, EPI_ISL_996107, EPI_ISL_996108, EPI_ISL_996109, EPI_ISL_996110, EPI_ISL_996112, EPI_ISL_996113, EPI_ISL_996114, EPI_ISL_996115, EPI_ISL_996116, EPI_ISL_996118, EPI_ISL_996119, EPI_ISL_996120, EPI_ISL_996121, EPI_ISL_996124, EPI_ISL_996125, EPI_ISL_996126, EPI_ISL_996127, EPI_ISL_996128, EPI_ISL_996129, EPI_ISL_996130, EPI_ISL_996131, EPI_ISL_996132, EPI_ISL_996133, EPI_ISL_996134, EPI_ISL_996135, EPI_ISL_996136, EPI_ISL_996137, EPI_ISL_996138, EPI_ISL_996139, EPI_ISL_996140, EPI_ISL_996141, EPI_ISL_996143, EPI_ISL_996145, EPI_ISL_996146, EPI_ISL_996147, EPI_ISL_996148, EPI_ISL_996149, EPI_ISL_996150, EPI_ISL_996151, EPI_ISL_996152, EPI_ISL_996153, EPI_ISL_996154, EPI_ISL_996156, EPI_ISL_996157, EPI_ISL_996158, EPI_ISL_996159, EPI_ISL_996160, EPI_ISL_996161, EPI_ISL_996162, EPI_ISL_996163, EPI_ISL_996164, EPI_ISL_996166, EPI_ISL_996167, EPI_ISL_996168, EPI_ISL_996169, EPI_ISL_996170, EPI_ISL_996171, EPI_ISL_996172, EPI_ISL_996173, EPI_ISL_996174, EPI_ISL_996175, EPI_ISL_996176, EPI_ISL_996177, EPI_ISL_996178, EPI_ISL_996179, EPI_ISL_996180, EPI_ISL_996181, EPI_ISL_996183, EPI_ISL_996185, EPI_ISL_996186, EPI_ISL_996187, EPI_ISL_996188, EPI_ISL_996189, EPI_ISL_996190, EPI_ISL_996192, EPI_ISL_996195, EPI_ISL_996196, EPI_ISL_996197, EPI_ISL_996198, EPI_ISL_996199, EPI_ISL_996200, EPI_ISL_996201, EPI_ISL_996202, EPI_ISL_996203, EPI_ISL_996204, EPI_ISL_996205, EPI_ISL_996207, EPI_ISL_996208, EPI_ISL_996209, EPI_ISL_996210, EPI_ISL_996211, EPI_ISL_996212, EPI_ISL_996213, EPI_ISL_996214, EPI_ISL_996216, EPI_ISL_996217, EPI_ISL_996218, EPI_ISL_996219, EPI_ISL_996220, EPI_ISL_996224, EPI_ISL_996225, EPI_ISL_996226, EPI_ISL_996227, EPI_ISL_996228, EPI_ISL_996229, EPI_ISL_996230, EPI_ISL_996231, EPI_ISL_996232, EPI_ISL_996233, EPI_ISL_996234, EPI_ISL_996236, EPI_ISL_996237, EPI_ISL_996238, EPI_ISL_996239, EPI_ISL_996240, EPI_ISL_996241, EPI_ISL_996242, EPI_ISL_996243, EPI_ISL_996244, EPI_ISL_996247, EPI_ISL_996248, EPI_ISL_996249, EPI_ISL_996250, EPI_ISL_996251, EPI_ISL_996252, EPI_ISL_996253, EPI_ISL_996254, EPI_ISL_996255, EPI_ISL_996256, EPI_ISL_996257, EPI_ISL_996258, EPI_ISL_996259, EPI_ISL_996260, EPI_ISL_996261, EPI_ISL_996262, EPI_ISL_996263, EPI_ISL_996264, EPI_ISL_996265, EPI_ISL_996266, EPI_ISL_996267, EPI_ISL_996268, EPI_ISL_996269, EPI_ISL_996271, EPI_ISL_996272, EPI_ISL_996273, EPI_ISL_996274, EPI_ISL_996275, EPI_ISL_996276, EPI_ISL_996277, EPI_ISL_996278, EPI_ISL_996279, EPI_ISL_996280, EPI_ISL_996283, EPI_ISL_996284, EPI_ISL_996285, EPI_ISL_996286, EPI_ISL_996288, EPI_ISL_996289, EPI_ISL_996291, EPI_ISL_996292, EPI_ISL_996293, EPI_ISL_996294, EPI_ISL_996295, EPI_ISL_996296, EPI_ISL_996298, EPI_ISL_996300, EPI_ISL_996302, EPI_ISL_996303, EPI_ISL_996304, EPI_ISL_996305, EPI_ISL_996306, EPI_ISL_996307, EPI_ISL_996308, EPI_ISL_996309, EPI_ISL_996310, EPI_ISL_996312, EPI_ISL_996313, EPI_ISL_996314, EPI_ISL_996315, EPI_ISL_996317, EPI_ISL_996318, EPI_ISL_996319, EPI_ISL_996320, EPI_ISL_996321, EPI_ISL_996322, EPI_ISL_996323, EPI_ISL_996325, EPI_ISL_996326, EPI_ISL_996327, EPI_ISL_996328, EPI_ISL_996329, EPI_ISL_996330, EPI_ISL_996331, EPI_ISL_996332, EPI_ISL_996334, EPI_ISL_996336, EPI_ISL_996337, EPI_ISL_996338, EPI_ISL_996339, EPI_ISL_996340, EPI_ISL_996343, EPI_ISL_996344, EPI_ISL_996346, EPI_ISL_996347, EPI_ISL_996348, EPI_ISL_996349, EPI_ISL_996351, EPI_ISL_996352, EPI_ISL_996353, EPI_ISL_996354, EPI_ISL_996355, EPI_ISL_996356, EPI_ISL_996357, EPI_ISL_996358, EPI_ISL_996360, EPI_ISL_996361, EPI_ISL_996362, EPI_ISL_996363, EPI_ISL_996364, EPI_ISL_996366, EPI_ISL_996367, EPI_ISL_996368, EPI_ISL_996369, EPI_ISL_996370, EPI_ISL_996371, EPI_ISL_996372, EPI_ISL_996373, EPI_ISL_996374, EPI_ISL_996375, EPI_ISL_996376, EPI_ISL_996377, EPI_ISL_996379, EPI_ISL_996380, EPI_ISL_996381, EPI_ISL_996382, EPI_ISL_996383, EPI_ISL_996384, EPI_ISL_996385, EPI_ISL_996386, EPI_ISL_996387			

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EPI_ISL_996424, EPI_ISL_996441	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_996490, EPI_ISL_996492, EPI_ISL_996494, EPI_ISL_996495, EPI_ISL_996497, EPI_ISL_996498, EPI_ISL_996499, EPI_ISL_996507, EPI_ISL_996509, EPI_ISL_996510, EPI_ISL_996512, EPI_ISL_996513			
see above	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_996627, EPI_ISL_996630, EPI_ISL_996672, EPI_ISL_996674, EPI_ISL_996678, EPI_ISL_996681, EPI_ISL_996683, EPI_ISL_996685, EPI_ISL_996689, EPI_ISL_996690, EPI_ISL_996694, EPI_ISL_996695, EPI_ISL_996696, EPI_ISL_996707, EPI_ISL_996708, EPI_ISL_996712, EPI_ISL_996719, EPI_ISL_996724, EPI_ISL_996728, EPI_ISL_996730, EPI_ISL_996735, EPI_ISL_996737, EPI_ISL_996741, EPI_ISL_996742, EPI_ISL_996778, EPI_ISL_996791, EPI_ISL_996807, EPI_ISL_996834, EPI_ISL_996852, EPI_ISL_996853			
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_997051	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_997209, EPI_ISL_997211, EPI_ISL_997212, EPI_ISL_997213, EPI_ISL_997214, EPI_ISL_997215, EPI_ISL_997217, EPI_ISL_997219, EPI_ISL_997220, EPI_ISL_997221, EPI_ISL_997222, EPI_ISL_997223, EPI_ISL_997224, EPI_ISL_997225, EPI_ISL_997226, EPI_ISL_997227, EPI_ISL_997228, EPI_ISL_997229, EPI_ISL_997230, EPI_ISL_997231, EPI_ISL_997233, EPI_ISL_997234, EPI_ISL_997235, EPI_ISL_997236, EPI_ISL_997237, EPI_ISL_997238, EPI_ISL_997242, EPI_ISL_997243, EPI_ISL_997246, EPI_ISL_997247, EPI_ISL_997248, EPI_ISL_997249, EPI_ISL_997285, EPI_ISL_997366			
see above	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
EPI_ISL_997574, EPI_ISL_997575, EPI_ISL_997576, EPI_ISL_997579, EPI_ISL_997580, EPI_ISL_997581, EPI_ISL_997582, EPI_ISL_997583, EPI_ISL_997584, EPI_ISL_997585, EPI_ISL_997586, EPI_ISL_997587, EPI_ISL_997588, EPI_ISL_997589, EPI_ISL_997590, EPI_ISL_997591, EPI_ISL_997592, EPI_ISL_997593, EPI_ISL_997594, EPI_ISL_997595, EPI_ISL_997596, EPI_ISL_997597, EPI_ISL_997598, EPI_ISL_997599, EPI_ISL_997600, EPI_ISL_997601, EPI_ISL_997602, EPI_ISL_997603, EPI_ISL_997604, EPI_ISL_997605, EPI_ISL_997606, EPI_ISL_997607, EPI_ISL_997608, EPI_ISL_997609, EPI_ISL_997610, EPI_ISL_997611, EPI_ISL_997612, EPI_ISL_997613			
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_998138, EPI_ISL_998142, EPI_ISL_998143	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_998461, EPI_ISL_998462, EPI_ISL_998463, EPI_ISL_998492, EPI_ISL_998505, EPI_ISL_998506, EPI_ISL_998517, EPI_ISL_998520, EPI_ISL_998525, EPI_ISL_998526, EPI_ISL_998536, EPI_ISL_998537, EPI_ISL_998538, EPI_ISL_998539, EPI_ISL_998540, EPI_ISL_998541, EPI_ISL_998545, EPI_ISL_998547, EPI_ISL_998548, EPI_ISL_998549, EPI_ISL_998550, EPI_ISL_998551			
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_998928	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joeseeph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_998991	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