

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

All Submitters of data may be contacted directly via www.gisaid.org

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EPI_ISL_1000256, EPI_ISL_1000404, EPI_ISL_1000405, EPI_ISL_1000406, EPI_ISL_1000407, EPI_ISL_1000408, EPI_ISL_1000409, EPI_ISL_1000410, EPI_ISL_1000411, EPI_ISL_1000412, EPI_ISL_1000413, EPI_ISL_1000414, EPI_ISL_1000415, EPI_ISL_1000447, EPI_ISL_1000450, EPI_ISL_1000451, EPI_ISL_1000452, EPI_ISL_1000453, EPI_ISL_1000473, EPI_ISL_1000474, EPI_ISL_1000475, EPI_ISL_1000476			
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EPI_ISL_1000888, EPI_ISL_1000895, EPI_ISL_1000896, EPI_ISL_1000897, EPI_ISL_1000902, EPI_ISL_1000906, EPI_ISL_1000913, EPI_ISL_1000937, EPI_ISL_1000943, EPI_ISL_1000945, EPI_ISL_1000947			
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EPI_ISL_1007564, EPI_ISL_1007565, EPI_ISL_1007568, EPI_ISL_1007569, EPI_ISL_1007570, EPI_ISL_1007571, EPI_ISL_1007572, EPI_ISL_1007573, EPI_ISL_1007574	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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EPI_ISL_1012807, EPI_ISL_1012810, EPI_ISL_1012811, EPI_ISL_1012812, EPI_ISL_1012813, EPI_ISL_1012814, EPI_ISL_1012815, EPI_ISL_1012816, EPI_ISL_1012818, EPI_ISL_1012819, EPI_ISL_1012821, EPI_ISL_1012822, EPI_ISL_1012823, EPI_ISL_1012824, EPI_ISL_1012825, EPI_ISL_1012827, EPI_ISL_1012828, EPI_ISL_1012831, EPI_ISL_1012832, EPI_ISL_1012833, EPI_ISL_1012834, EPI_ISL_1012836, EPI_ISL_1012837, EPI_ISL_1012838, EPI_ISL_1012839, EPI_ISL_1012840, EPI_ISL_1012844, EPI_ISL_1012845, EPI_ISL_1012846, EPI_ISL_1012849, EPI_ISL_1012851, EPI_ISL_1012852, EPI_ISL_1012853, EPI_ISL_1012854, EPI_ISL_1012855, EPI_ISL_1012856, EPI_ISL_1012857, EPI_ISL_1012858, EPI_ISL_1012859, EPI_ISL_1012860, EPI_ISL_1012861			
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EPI_ISL_1012866, EPI_ISL_1012867, EPI_ISL_1012868, EPI_ISL_1012869, EPI_ISL_1012870, EPI_ISL_1012871, EPI_ISL_1012872	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_1019583, EPI_ISL_1019584, EPI_ISL_1019585, EPI_ISL_1019816, EPI_ISL_1019817, EPI_ISL_1019819, EPI_ISL_1019821, EPI_ISL_1019822, EPI_ISL_1019824, EPI_ISL_1019826, EPI_ISL_1019827, EPI_ISL_1019829, EPI_ISL_1019831, EPI_ISL_1019832, EPI_ISL_1019834, EPI_ISL_1019837, EPI_ISL_1019839, EPI_ISL_1019840, EPI_ISL_1019842, EPI_ISL_1019844, EPI_ISL_1019845, EPI_ISL_1019847, EPI_ISL_1019848, EPI_ISL_1019850, EPI_ISL_1019852, EPI_ISL_1019854, EPI_ISL_1019856, EPI_ISL_1019857, EPI_ISL_1019859, EPI_ISL_1019860, EPI_ISL_1019862, EPI_ISL_1019864, EPI_ISL_1019865, EPI_ISL_1019867, EPI_ISL_1019868, EPI_ISL_1019870, EPI_ISL_1019871, EPI_ISL_1019873, EPI_ISL_1019874, EPI_ISL_1019876, EPI_ISL_1019878, EPI_ISL_1019879, EPI_ISL_1019881, EPI_ISL_1019883, EPI_ISL_1019884, EPI_ISL_1019886, EPI_ISL_1019887, EPI_ISL_1019889, EPI_ISL_1019891, EPI_ISL_1019892, EPI_ISL_1019894, EPI_ISL_1019895, EPI_ISL_1019896, EPI_ISL_1019898, EPI_ISL_1019899, EPI_ISL_1019900, EPI_ISL_1019901, EPI_ISL_1019902, EPI_ISL_1019903, EPI_ISL_1019904, EPI_ISL_1019905, EPI_ISL_1019906, EPI_ISL_1019907, EPI_ISL_1019908, EPI_ISL_1019909, EPI_ISL_1019910, EPI_ISL_1019911, EPI_ISL_1019912, EPI_ISL_1019913, EPI_ISL_1019914, EPI_ISL_1019915, EPI_ISL_1019916, EPI_ISL_1019917, EPI_ISL_1019918, EPI_ISL_1019919, EPI_ISL_1019920, EPI_ISL_1019921, EPI_ISL_1019922, EPI_ISL_1019923, EPI_ISL_1019924, EPI_ISL_1019925, EPI_ISL_1019926, EPI_ISL_1019927, EPI_ISL_1019928, EPI_ISL_1019929, EPI_ISL_1019930, EPI_ISL_1019931, EPI_ISL_1019932, EPI_ISL_1019933, EPI_ISL_1019934, EPI_ISL_1019935, EPI_ISL_1019936, EPI_ISL_1019937, EPI_ISL_1019938, EPI_ISL_1019939, EPI_ISL_1019940, EPI_ISL_1019941, EPI_ISL_1019942, EPI_ISL_1019943, EPI_ISL_1019944, EPI_ISL_1019945, EPI_ISL_1019946, EPI_ISL_1019947, EPI_ISL_1019948, EPI_ISL_1019949, EPI_ISL_1019950, EPI_ISL_1019951, EPI_ISL_1019952, EPI_ISL_1019953, EPI_ISL_1019954, EPI_ISL_1019955, EPI_ISL_1019956, EPI_ISL_1019957, EPI_ISL_1019958, EPI_ISL_1019959, EPI_ISL_1019960, EPI_ISL_1019961, EPI_ISL_1019962, EPI_ISL_1019963, EPI_ISL_1019964, EPI_ISL_1019965, EPI_ISL_1019966, EPI_ISL_1019967, EPI_ISL_1019968, EPI_ISL_1019969, EPI_ISL_1019970, EPI_ISL_1019971, EPI_ISL_1019972, EPI_ISL_1019973, EPI_ISL_1019974, EPI_ISL_1019975, EPI_ISL_1019976, EPI_ISL_1019977, EPI_ISL_1019978, EPI_ISL_1019979, EPI_ISL_1019980, EPI_ISL_1019981, EPI_ISL_1019982, EPI_ISL_1019983, EPI_ISL_1019984, EPI_ISL_1019985, EPI_ISL_1019986, EPI_ISL_1019987, EPI_ISL_1019988, EPI_ISL_1019989, EPI_ISL_1019990, EPI_ISL_1019991, EPI_ISL_1019992, EPI_ISL_1019993, EPI_ISL_1019994, EPI_ISL_1019995, EPI_ISL_1019996, EPI_ISL_1019997, EPI_ISL_1019998, EPI_ISL_1019999, EPI_ISL_1020000, EPI_ISL_1020001, EPI_ISL_1020002, EPI_ISL_1020003, EPI_ISL_1020004, EPI_ISL_1020005, EPI_ISL_1020006, EPI_ISL_1020007, EPI_ISL_1020008, EPI_ISL_1020009, EPI_ISL_1020010, EPI_ISL_1020011, EPI_ISL_1020012, EPI_ISL_1020013, EPI_ISL_1020014, EPI_ISL_1020015			
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EPI_ISL_1046985, EPI_ISL_1046986, EPI_ISL_1046987, EPI_ISL_1046988, EPI_ISL_1046989, EPI_ISL_1046992, EPI_ISL_1046993, EPI_ISL_1046994, EPI_ISL_1047061	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_1050941, EPI_ISL_1050943, EPI_ISL_1050944, EPI_ISL_1050945, EPI_ISL_1050946, EPI_ISL_1050961, EPI_ISL_1050962, EPI_ISL_1050963, EPI_ISL_1050964, EPI_ISL_1050965, EPI_ISL_1050966, EPI_ISL_1050968, EPI_ISL_1050969, EPI_ISL_1050970, EPI_ISL_1050974, EPI_ISL_1050990, EPI_ISL_1050991, EPI_ISL_1051412	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
EPI_ISL_1051425, EPI_ISL_1051426, EPI_ISL_1051428, EPI_ISL_1051433, EPI_ISL_1051443, EPI_ISL_1051445, EPI_ISL_1051451, EPI_ISL_1051455, EPI_ISL_1051459, EPI_ISL_1051462, EPI_ISL_1051465, EPI_ISL_1051467, EPI_ISL_1051468, EPI_ISL_1051471, EPI_ISL_1051473, EPI_ISL_1051475, EPI_ISL_1051476, EPI_ISL_1051479, EPI_ISL_1051481, EPI_ISL_1051482, EPI_ISL_1051485, EPI_ISL_1051486, EPI_ISL_1051488, EPI_ISL_1051489, EPI_ISL_1051491, EPI_ISL_1051501, EPI_ISL_1051503, EPI_ISL_1051504, EPI_ISL_1051507, EPI_ISL_1051510, EPI_ISL_1051514, EPI_ISL_1051516, EPI_ISL_1051519, EPI_ISL_1051520, EPI_ISL_1051521, EPI_ISL_1051522	see above	Quadram Institute Bioscience	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 Yasin, 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_1051595, EPI_ISL_1051830, EPI_ISL_1051834, EPI_ISL_1051837, EPI_ISL_1051859, EPI_ISL_1051863, EPI_ISL_1051864, EPI_ISL_1051865, EPI_ISL_1051866, EPI_ISL_1051867, EPI_ISL_1051868, EPI_ISL_1051869, EPI_ISL_1051872, EPI_ISL_1051879, EPI_ISL_1051888, EPI_ISL_1051889, EPI_ISL_1051891	see above	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	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_1052497, EPI_ISL_1052499, EPI_ISL_1052500, EPI_ISL_1052501	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_1053820, EPI_ISL_1053822, EPI_ISL_1053824, EPI_ISL_1053825, EPI_ISL_1053826, EPI_ISL_1053827, EPI_ISL_1053861, EPI_ISL_1053862, EPI_ISL_1053863, EPI_ISL_1053864, EPI_ISL_1053865, EPI_ISL_1053866, EPI_ISL_1053867, EPI_ISL_1053868, EPI_ISL_1053869, EPI_ISL_1053870, EPI_ISL_1053871, EPI_ISL_1053872, EPI_ISL_1053873, EPI_ISL_1053874, EPI_ISL_1053875, EPI_ISL_1053876, EPI_ISL_1053877, EPI_ISL_1053878, EPI_ISL_1053879, EPI_ISL_1053880, EPI_ISL_1053882, EPI_ISL_1053883	see above	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 Glaysher,Scott Elliott,Samuel Robson
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EPI_ISL_1054710, EPI_ISL_1054711, EPI_ISL_1054712, EPI_ISL_1054713, EPI_ISL_1054714, EPI_ISL_1054715, EPI_ISL_1054716, EPI_ISL_1054717, EPI_ISL_1054718, EPI_ISL_1054719, EPI_ISL_1054720, EPI_ISL_1054722, EPI_ISL_1054723, EPI_ISL_1054725, EPI_ISL_1054726, EPI_ISL_1054727, EPI_ISL_1054728, EPI_ISL_1054729, EPI_ISL_1054751, EPI_ISL_1054752, EPI_ISL_1054793, EPI_ISL_1054822	see above	Bioinformatics and Biostatistics Lab, Advanced Sequencing Facility	Aengus Stewart,Jerome Nicod,Chelsea Sawyer,Laura Cubitt,Harshil Patel,Margaret Crawford
EPI_ISL_1069731	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1104104, EPI_ISL_1104105, EPI_ISL_1104106, EPI_ISL_1104107, EPI_ISL_1104108, EPI_ISL_1104109, EPI_ISL_1104110, EPI_ISL_1104111, EPI_ISL_1104112, EPI_ISL_1104113	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_1104217, EPI_ISL_1104228	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1104295, EPI_ISL_1104306	University Hospitals Of Leicester NHS Trust and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Christopher Holmes, Paul Bird, Thomas Helmer, Karlie Fallon, Julian Tang, Jonathan Ball, Patrick McClure, Joseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1104337, EPI_ISL_1104338, EPI_ISL_1104339, EPI_ISL_1104340, EPI_ISL_1104341, EPI_ISL_1104342, EPI_ISL_1104344, EPI_ISL_1104345, EPI_ISL_1104349, EPI_ISL_1104350, EPI_ISL_1104352, EPI_ISL_1104353, EPI_ISL_1104355, EPI_ISL_1104358, EPI_ISL_1104364, EPI_ISL_1104365, EPI_ISL_1104366	see above	Liverpool Clinical Laboratories	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_1104772, EPI_ISL_1104773, EPI_ISL_1104774, EPI_ISL_1104778, EPI_ISL_1104784, EPI_ISL_1104785, EPI_ISL_1104787, EPI_ISL_1104788, EPI_ISL_1104789, EPI_ISL_1104790, EPI_ISL_1104791, EPI_ISL_1104792, EPI_ISL_1104794, EPI_ISL_1104795, EPI_ISL_1104796, EPI_ISL_1104797, EPI_ISL_1104798, EPI_ISL_1104801, EPI_ISL_1104802, EPI_ISL_1104803, EPI_ISL_1104809, EPI_ISL_1104810, EPI_ISL_1104811, EPI_ISL_1104818, EPI_ISL_1104819, EPI_ISL_1104820, EPI_ISL_1104824, EPI_ISL_1104825, EPI_ISL_1104826, EPI_ISL_1104827, EPI_ISL_1105045, EPI_ISL_1105051, EPI_ISL_1105060, EPI_ISL_1105065, EPI_ISL_1105072, EPI_ISL_1105085, EPI_ISL_1105092, EPI_ISL_1105165, EPI_ISL_1105170, EPI_ISL_1105185, EPI_ISL_1105199, EPI_ISL_1105200, EPI_ISL_1105259, EPI_ISL_1105264, EPI_ISL_1105268, EPI_ISL_1105276, EPI_ISL_1105280, EPI_ISL_1105324, EPI_ISL_1105329			

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_1106643	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_1107633	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_1175965	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1177692, EPI_ISL_1177704, EPI_ISL_1177705, EPI_ISL_1177706	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1177879, EPI_ISL_1177880, EPI_ISL_1177881, EPI_ISL_1177882, EPI_ISL_1177883, EPI_ISL_1177884, EPI_ISL_1177885, EPI_ISL_1177886, EPI_ISL_1177887, EPI_ISL_1177889, EPI_ISL_1177905, EPI_ISL_1177906, EPI_ISL_1177908			
see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscox, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1178010	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_1178171, EPI_ISL_1178172, EPI_ISL_1178173, EPI_ISL_1178174, EPI_ISL_1178175, EPI_ISL_1178176, EPI_ISL_1178177, EPI_ISL_1178178, EPI_ISL_1178179, EPI_ISL_1178180, EPI_ISL_1178181, EPI_ISL_1178182, EPI_ISL_1178183, EPI_ISL_1178184, EPI_ISL_1178185, EPI_ISL_1178186, EPI_ISL_1178187, EPI_ISL_1178188, EPI_ISL_1178189, EPI_ISL_1178190, EPI_ISL_1178191, EPI_ISL_1178192, EPI_ISL_1178223, EPI_ISL_1178224, EPI_ISL_1178225, EPI_ISL_1178226, EPI_ISL_1178227, EPI_ISL_1178228, EPI_ISL_1178229, EPI_ISL_1178230, EPI_ISL_1178231, EPI_ISL_1178232, EPI_ISL_1178234, EPI_ISL_1178235, EPI_ISL_1178236, EPI_ISL_1178238, EPI_ISL_1178239, EPI_ISL_1178241, EPI_ISL_1178242, EPI_ISL_1178243, EPI_ISL_1178245, EPI_ISL_1178246, EPI_ISL_1178247, EPI_ISL_1178248, EPI_ISL_1178249, EPI_ISL_1178251, EPI_ISL_1178252, EPI_ISL_1178254, EPI_ISL_1178255, EPI_ISL_1178256, EPI_ISL_1178257, EPI_ISL_1178259, EPI_ISL_1178260, EPI_ISL_1178261, EPI_ISL_1178263, EPI_ISL_1178264, EPI_ISL_1178265, EPI_ISL_1178266, EPI_ISL_1178268, EPI_ISL_1178269, EPI_ISL_1178270, EPI_ISL_1178271, EPI_ISL_1178272, EPI_ISL_1178273, EPI_ISL_1178274, EPI_ISL_1178275, EPI_ISL_1178276, EPI_ISL_1178277, EPI_ISL_1178279, EPI_ISL_1178280, EPI_ISL_1178281, EPI_ISL_1178282, EPI_ISL_1178283, EPI_ISL_1178284, EPI_ISL_1178285, EPI_ISL_1178286, EPI_ISL_1178291, EPI_ISL_1178292, EPI_ISL_1178293, EPI_ISL_1178294, EPI_ISL_1178295, EPI_ISL_1178296, EPI_ISL_1178297, EPI_ISL_1178298, EPI_ISL_1178299, EPI_ISL_1178300, EPI_ISL_1178301, EPI_ISL_1178302, EPI_ISL_1178303, EPI_ISL_1178304, EPI_ISL_1178305, EPI_ISL_1178306, EPI_ISL_1178307, EPI_ISL_1178308, EPI_ISL_1178309, EPI_ISL_1178310, EPI_ISL_1178311, EPI_ISL_1178312, EPI_ISL_1178313, EPI_ISL_1178314, EPI_ISL_1178315, EPI_ISL_1178316, EPI_ISL_1178317, EPI_ISL_1178318, EPI_ISL_1178319, EPI_ISL_1178320, EPI_ISL_1178321, EPI_ISL_1178322, EPI_ISL_1178323, EPI_ISL_1178324, EPI_ISL_1178325, EPI_ISL_1178326, EPI_ISL_1178327, EPI_ISL_1178329			
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_1178465, EPI_ISL_1178471, EPI_ISL_1178475	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_1178589	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, Timothy Byaruhanga, Jayasree Dey, Emily Park, Jack Hill, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_1178705, EPI_ISL_1178706, EPI_ISL_1178707, EPI_ISL_1178711, EPI_ISL_1178714, EPI_ISL_1178716, EPI_ISL_1178718, EPI_ISL_1178737, EPI_ISL_1178739, EPI_ISL_1178748, EPI_ISL_1178752, EPI_ISL_1178761, EPI_ISL_1178762, EPI_ISL_1178764, EPI_ISL_1178767, EPI_ISL_1178771, EPI_ISL_1178785, EPI_ISL_1178787, EPI_ISL_1178789, EPI_ISL_1178790, EPI_ISL_1178791, EPI_ISL_1178793, EPI_ISL_1178794, EPI_ISL_1178795, EPI_ISL_1178798, EPI_ISL_1178799, EPI_ISL_1178800, EPI_ISL_1178803, EPI_ISL_1178806, EPI_ISL_1178811, EPI_ISL_1178812, EPI_ISL_1178813, EPI_ISL_1178814, EPI_ISL_1178815, EPI_ISL_1178828, EPI_ISL_1178830, EPI_ISL_1178835, EPI_ISL_1178837, EPI_ISL_1178839, EPI_ISL_1178840, EPI_ISL_1178842, EPI_ISL_1178844, EPI_ISL_1178849, EPI_ISL_1178850, EPI_ISL_1178855, EPI_ISL_1178859, EPI_ISL_1178860, EPI_ISL_1178864, EPI_ISL_1178865, EPI_ISL_1178866, EPI_ISL_1178869			
see above	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser
EPI_ISL_1178925	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_1179834, EPI_ISL_1179839	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_1180079, EPI_ISL_1180081, EPI_ISL_1180082	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_1190728	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1247767, EPI_ISL_1247769, EPI_ISL_1247770, EPI_ISL_1247771, EPI_ISL_1247773, EPI_ISL_1247774, EPI_ISL_1247775, EPI_ISL_1247776, EPI_ISL_1247777, EPI_ISL_1247778, EPI_ISL_1247780, EPI_ISL_1247781, EPI_ISL_1247782, EPI_ISL_1247783, EPI_ISL_1247784, EPI_ISL_1247785, EPI_ISL_1247786, EPI_ISL_1247787, EPI_ISL_1247790, EPI_ISL_1247791, EPI_ISL_1247793, EPI_ISL_1247794, EPI_ISL_1247795, EPI_ISL_1247796, EPI_ISL_1247797, EPI_ISL_1247798, EPI_ISL_1247799, EPI_ISL_1247800, EPI_ISL_1247802, EPI_ISL_1247803, EPI_ISL_1247804, EPI_ISL_1247805, EPI_ISL_1247806, EPI_ISL_1247807, EPI_ISL_1247808, EPI_ISL_1247809, EPI_ISL_1247810, EPI_ISL_1247811, EPI_ISL_1247812, EPI_ISL_1247814			
see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscox, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1248149, EPI_ISL_1248150, EPI_ISL_1248153, EPI_ISL_1248154, EPI_ISL_1248155, EPI_ISL_1248157, EPI_ISL_1248159, EPI_ISL_1248163, EPI_ISL_1248166, EPI_ISL_1248168, EPI_ISL_1248172, EPI_ISL_1248176, EPI_ISL_1248178, EPI_ISL_1248179, EPI_ISL_1248183, EPI_ISL_1248185, EPI_ISL_1248186, EPI_ISL_1248187, EPI_ISL_1248192, EPI_ISL_1248194, EPI_ISL_1248195, EPI_ISL_1248196, EPI_ISL_1248201, EPI_ISL_1248202, EPI_ISL_1248204, EPI_ISL_1248206, EPI_ISL_1248230, EPI_ISL_1248231, EPI_ISL_1248232, EPI_ISL_1248233, EPI_ISL_1248234, EPI_ISL_1248235, EPI_ISL_1248236, EPI_ISL_1248237, EPI_ISL_1248239, EPI_ISL_1248240, EPI_ISL_1248242, EPI_ISL_1248244, EPI_ISL_1248246, EPI_ISL_1248247, EPI_ISL_1248249, EPI_ISL_1248257			
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_1248452	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_1248982, EPI_ISL_1248988, EPI_ISL_1248993, EPI_ISL_1248996, EPI_ISL_1249002, EPI_ISL_1249032,	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

EPI_ISL_1249050, EPI_ISL_1249054			O'Grady
EPI_ISL_1249219	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_1249600	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_1296539, EPI_ISL_1296540, EPI_ISL_1296541, EPI_ISL_1296545, EPI_ISL_1296550, EPI_ISL_1296552, EPI_ISL_1296553, EPI_ISL_1296554, EPI_ISL_1296555, EPI_ISL_1296556, EPI_ISL_1296557, EPI_ISL_1296558, EPI_ISL_1296559, EPI_ISL_1296560, EPI_ISL_1296561, EPI_ISL_1296562, EPI_ISL_1296564			
see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_1308561, EPI_ISL_1308562, EPI_ISL_1308564, EPI_ISL_1308585, EPI_ISL_1308586, EPI_ISL_1308592	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_1308716, EPI_ISL_1308818, EPI_ISL_1308847	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1309038, EPI_ISL_1309080, EPI_ISL_1309082, EPI_ISL_1309104, EPI_ISL_1309112, EPI_ISL_1309114	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_1309740, EPI_ISL_1309741, EPI_ISL_1309742	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_1310348, EPI_ISL_1310350	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_1386857, EPI_ISL_1386875	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_1474519	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_1474581	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_1474867	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_1475018, EPI_ISL_1475021, EPI_ISL_1475061, EPI_ISL_1475089, EPI_ISL_1475092, EPI_ISL_1475093, EPI_ISL_1475094, EPI_ISL_1475095, EPI_ISL_1475096, EPI_ISL_1475097, EPI_ISL_1475098, EPI_ISL_1475099, EPI_ISL_1475100, EPI_ISL_1475101, EPI_ISL_1475103, EPI_ISL_1475104, EPI_ISL_1475105, EPI_ISL_1475107, EPI_ISL_1475108, EPI_ISL_1475109, EPI_ISL_1475110, EPI_ISL_1475111, EPI_ISL_1475112, EPI_ISL_1475115, EPI_ISL_1475116, EPI_ISL_1475117			
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_1475758	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Alistair Darby, Steve Paterson, Anita Lucaci, Julian Hiscox, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead, Hermione Webster
EPI_ISL_1476177, EPI_ISL_1476178, EPI_ISL_1476179, EPI_ISL_1476184, EPI_ISL_1476199, EPI_ISL_1476248, EPI_ISL_1476255, EPI_ISL_1476461, EPI_ISL_1476465, EPI_ISL_1476466, EPI_ISL_1476469			
see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_855604, EPI_ISL_860692, EPI_ISL_860693, EPI_ISL_860696, EPI_ISL_860697, EPI_ISL_860698, EPI_ISL_860699, EPI_ISL_860700, EPI_ISL_860701, EPI_ISL_860702, EPI_ISL_860704, EPI_ISL_860705, EPI_ISL_860706, EPI_ISL_860707, EPI_ISL_860708, EPI_ISL_860783, EPI_ISL_862048, EPI_ISL_862188, EPI_ISL_862189, EPI_ISL_862191, EPI_ISL_862192, EPI_ISL_862194, EPI_ISL_862195, EPI_ISL_862196, EPI_ISL_862197, EPI_ISL_862198, EPI_ISL_862199, EPI_ISL_862200, EPI_ISL_862201, EPI_ISL_862202, EPI_ISL_862203, EPI_ISL_862204, EPI_ISL_862205, EPI_ISL_862206, EPI_ISL_862207, EPI_ISL_862208, EPI_ISL_862209, EPI_ISL_862210, EPI_ISL_862211, EPI_ISL_862212, EPI_ISL_862213, EPI_ISL_862214, EPI_ISL_862215, EPI_ISL_862216, EPI_ISL_862217, EPI_ISL_862218, EPI_ISL_862219, EPI_ISL_862220, EPI_ISL_862221, EPI_ISL_862222, EPI_ISL_862224, EPI_ISL_862225, EPI_ISL_862226, EPI_ISL_862227, EPI_ISL_862228, EPI_ISL_862229, EPI_ISL_862230, EPI_ISL_862231, EPI_ISL_862232, EPI_ISL_862233, EPI_ISL_862234, EPI_ISL_862235, EPI_ISL_862236, EPI_ISL_862237, EPI_ISL_862238, EPI_ISL_862239, EPI_ISL_862240, EPI_ISL_862241, EPI_ISL_862242, EPI_ISL_862243, EPI_ISL_862244, EPI_ISL_862245, EPI_ISL_862246, EPI_ISL_862247, EPI_ISL_862248, EPI_ISL_862249, EPI_ISL_862251, EPI_ISL_862252, EPI_ISL_862253, EPI_ISL_862254, EPI_ISL_862255, EPI_ISL_862256, EPI_ISL_862257, EPI_ISL_862258, EPI_ISL_862261, EPI_ISL_862262, EPI_ISL_862263, EPI_ISL_862264, EPI_ISL_862265, EPI_ISL_862266			
see above	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team
EPI_ISL_864929, EPI_ISL_864932, EPI_ISL_864936, EPI_ISL_864945	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_865163	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_865467, EPI_ISL_865468, EPI_ISL_865469, EPI_ISL_865470, EPI_ISL_865471	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
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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_866432, EPI_ISL_866619, EPI_ISL_866793	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team		
EPI_ISL_866951, EPI_ISL_866952, EPI_ISL_866953, EPI_ISL_866954, EPI_ISL_866955, EPI_ISL_866956, EPI_ISL_866957, EPI_ISL_866958, EPI_ISL_866959, EPI_ISL_866960, EPI_ISL_866961, EPI_ISL_866962, EPI_ISL_866963, EPI_ISL_866964, EPI_ISL_866965, EPI_ISL_866966, EPI_ISL_866967, EPI_ISL_866968, EPI_ISL_866969, EPI_ISL_866970					
see above	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose		
EPI_ISL_866985, EPI_ISL_867156	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team		
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see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett, Yann Bourgeois, Garry Scarlett, Sharon Glaysher, Scott Elliott, Kelly Bicknell, Robert Impey, Allyson Lloyd, Sarah Wyllie, Ethan Butcher, Anoop Chauhan, Samuel Robson		
EPI_ISL_868363, EPI_ISL_868366, EPI_ISL_868369, EPI_ISL_868371, EPI_ISL_868374, EPI_ISL_868375, EPI_ISL_868376, EPI_ISL_868380, EPI_ISL_868383, EPI_ISL_868384, EPI_ISL_868393, EPI_ISL_868394, EPI_ISL_868396, EPI_ISL_868404, EPI_ISL_868405, EPI_ISL_868410, EPI_ISL_868412, EPI_ISL_868417, EPI_ISL_868418, EPI_ISL_868421, EPI_ISL_868426, EPI_ISL_868433, EPI_ISL_868435, EPI_ISL_868443, EPI_ISL_868447, EPI_ISL_868456, EPI_ISL_868457, EPI_ISL_868458, EPI_ISL_868460, EPI_ISL_868461, EPI_ISL_868462, EPI_ISL_868463, EPI_ISL_868466, EPI_ISL_868472, EPI_ISL_868473, EPI_ISL_868477, EPI_ISL_868489, EPI_ISL_868490, EPI_ISL_868497, EPI_ISL_868504, EPI_ISL_868505, EPI_ISL_868506, EPI_ISL_868509, EPI_ISL_868510, EPI_ISL_868514, EPI_ISL_868519, EPI_ISL_868520, EPI_ISL_868528, EPI_ISL_868529, EPI_ISL_868538, EPI_ISL_868539, EPI_ISL_868544, EPI_ISL_868550, EPI_ISL_868551, EPI_ISL_868553, EPI_ISL_868555, EPI_ISL_868558, EPI_ISL_868563, EPI_ISL_868568, EPI_ISL_868571, EPI_ISL_868575, EPI_ISL_868580, EPI_ISL_868583, EPI_ISL_868585, EPI_ISL_868586, EPI_ISL_868587, EPI_ISL_868591, EPI_ISL_868595, EPI_ISL_868596, EPI_ISL_868600, EPI_ISL_868604, EPI_ISL_868605, EPI_ISL_868610, EPI_ISL_868611, EPI_ISL_868615, EPI_ISL_868616, EPI_ISL_868619, EPI_ISL_868624, EPI_ISL_868633, EPI_ISL_868636, EPI_ISL_868637, EPI_ISL_868640, EPI_ISL_868641, EPI_ISL_868646, EPI_ISL_868647, EPI_ISL_868650, EPI_ISL_868652, EPI_ISL_868657, EPI_ISL_868658, EPI_ISL_868663, EPI_ISL_868667, EPI_ISL_868668, EPI_ISL_868670, EPI_ISL_868672, EPI_ISL_868676, EPI_ISL_868682, EPI_ISL_868685, EPI_ISL_868686, EPI_ISL_868687, EPI_ISL_868689, EPI_ISL_868691, EPI_ISL_868694, EPI_ISL_868695, EPI_ISL_868697, EPI_ISL_868706, EPI_ISL_868707, EPI_ISL_868709, EPI_ISL_868710, EPI_ISL_868711, EPI_ISL_868712, EPI_ISL_868713, EPI_ISL_868714					
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		
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see above	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, 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_878728, EPI_ISL_878733, EPI_ISL_878735, EPI_ISL_878737, EPI_ISL_878738	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_878741	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_878743, EPI_ISL_878745	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_878746	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_878748, EPI_ISL_878749, EPI_ISL_878753	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_878754	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_878762, EPI_ISL_878764, EPI_ISL_878767, EPI_ISL_878774	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_878777	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_878783	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_878785	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_878787, EPI_ISL_878788, EPI_ISL_878795, EPI_ISL_878799	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_878804, EPI_ISL_878808, EPI_ISL_878809	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_878811	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_878812	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_878813, EPI_ISL_878816	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston,		

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		(COG-UK) Consortium	Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_916490	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_916491, EPI_ISL_916492, EPI_ISL_916493, EPI_ISL_916494, EPI_ISL_916495, EPI_ISL_916496, EPI_ISL_916497	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_916498	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_916499, EPI_ISL_916500	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_916501	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_916502	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_917168, EPI_ISL_917173, EPI_ISL_917211, EPI_ISL_917214, EPI_ISL_917229, EPI_ISL_917234, EPI_ISL_917235, EPI_ISL_917258, EPI_ISL_917275, EPI_ISL_917303, EPI_ISL_917318, EPI_ISL_917323, EPI_ISL_917328, EPI_ISL_917340, EPI_ISL_917344, EPI_ISL_917345, EPI_ISL_917360, EPI_ISL_917366, EPI_ISL_917370, EPI_ISL_917384, EPI_ISL_917389, EPI_ISL_917413, EPI_ISL_917492, EPI_ISL_917495, EPI_ISL_917501, EPI_ISL_917507, EPI_ISL_917523, EPI_ISL_917667, EPI_ISL_917670, EPI_ISL_917740, EPI_ISL_917743, EPI_ISL_917753, EPI_ISL_917789			
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_917847, EPI_ISL_917849, EPI_ISL_917850, EPI_ISL_917851, EPI_ISL_917852, EPI_ISL_917853, EPI_ISL_917854, EPI_ISL_917855, EPI_ISL_917856, EPI_ISL_917857, EPI_ISL_917858, EPI_ISL_917859, EPI_ISL_917860, EPI_ISL_917861, EPI_ISL_917862, EPI_ISL_917863, EPI_ISL_917864, EPI_ISL_917865, EPI_ISL_917866, EPI_ISL_917867, EPI_ISL_917868, EPI_ISL_917869, EPI_ISL_917870, EPI_ISL_917871, EPI_ISL_917872, EPI_ISL_917873, EPI_ISL_917874, EPI_ISL_917875, EPI_ISL_917876, EPI_ISL_917877, EPI_ISL_917878, EPI_ISL_917879, EPI_ISL_917880, EPI_ISL_917881, EPI_ISL_917882, EPI_ISL_917883, EPI_ISL_917884, EPI_ISL_917885, EPI_ISL_917886, EPI_ISL_917887, EPI_ISL_917888, EPI_ISL_917889, EPI_ISL_917890, EPI_ISL_917891, EPI_ISL_917892, EPI_ISL_917893, EPI_ISL_917894, EPI_ISL_917895, EPI_ISL_917896, EPI_ISL_917897, EPI_ISL_917898, EPI_ISL_917899, EPI_ISL_917900, EPI_ISL_917901, EPI_ISL_917902, EPI_ISL_917903, EPI_ISL_917904, EPI_ISL_917905, EPI_ISL_917906, EPI_ISL_917907, EPI_ISL_917908, EPI_ISL_917909, EPI_ISL_917910, EPI_ISL_917911, EPI_ISL_917912, EPI_ISL_917913, EPI_ISL_917914, EPI_ISL_917915, EPI_ISL_917916, EPI_ISL_917917, EPI_ISL_917918, EPI_ISL_917919, EPI_ISL_917920, EPI_ISL_917921, EPI_ISL_917922, EPI_ISL_917923, EPI_ISL_917924, EPI_ISL_917925, EPI_ISL_917926, EPI_ISL_917927, EPI_ISL_917928, EPI_ISL_917929, EPI_ISL_917930, EPI_ISL_917931, EPI_ISL_917932, EPI_ISL_917933, EPI_ISL_917934, EPI_ISL_917935, EPI_ISL_917937, EPI_ISL_917939, EPI_ISL_917940, EPI_ISL_917942, EPI_ISL_917956, EPI_ISL_917957, EPI_ISL_917958, EPI_ISL_917959, EPI_ISL_917960, EPI_ISL_917961, EPI_ISL_917962, EPI_ISL_917963, EPI_ISL_917964, EPI_ISL_917965, EPI_ISL_917966, EPI_ISL_917967, EPI_ISL_917968, EPI_ISL_917969, EPI_ISL_917970, EPI_ISL_917971, EPI_ISL_917972, EPI_ISL_917973, EPI_ISL_917974, EPI_ISL_917976, EPI_ISL_917977, EPI_ISL_917978, EPI_ISL_917979, EPI_ISL_918000, EPI_ISL_918001, EPI_ISL_918002, EPI_ISL_918003, EPI_ISL_918004, EPI_ISL_918005, EPI_ISL_918006, EPI_ISL_918007, EPI_ISL_918008, EPI_ISL_918009, EPI_ISL_918010, EPI_ISL_918011, EPI_ISL_918012, EPI_ISL_918013, EPI_ISL_918014, EPI_ISL_918015, EPI_ISL_918016, EPI_ISL_918017, EPI_ISL_918018, EPI_ISL_918019, EPI_ISL_918020, EPI_ISL_918021, EPI_ISL_918022, EPI_ISL_918023, EPI_ISL_918024, EPI_ISL_918025, EPI_ISL_918026, EPI_ISL_918027, EPI_ISL_918028, EPI_ISL_918029, EPI_ISL_918030, EPI_ISL_918031, EPI_ISL_918032, EPI_ISL_918033, EPI_ISL_918034, EPI_ISL_918035, EPI_ISL_918036, EPI_ISL_918037, EPI_ISL_918038, EPI_ISL_918039, EPI_ISL_918040, EPI_ISL_918041, EPI_ISL_918042, EPI_ISL_918043, EPI_ISL_918044, EPI_ISL_918045, EPI_ISL_918046, EPI_ISL_918047, EPI_ISL_918048, EPI_ISL_918049, EPI_ISL_918050, EPI_ISL_918051, EPI_ISL_918052, EPI_ISL_918053, EPI_ISL_918054, EPI_ISL_918055, EPI_ISL_918056, EPI_ISL_918057, EPI_ISL_918058, EPI_ISL_918059			
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_918985, EPI_ISL_918986, EPI_ISL_918987, EPI_ISL_918988, EPI_ISL_918989, EPI_ISL_918990, EPI_ISL_918991, EPI_ISL_918992, EPI_ISL_918993, EPI_ISL_918994, EPI_ISL_918995, EPI_ISL_918996, EPI_ISL_918998, EPI_ISL_918999, EPI_ISL_919000, EPI_ISL_919001, EPI_ISL_919002, EPI_ISL_919003, EPI_ISL_919004, EPI_ISL_919006, EPI_ISL_919007, EPI_ISL_919008, EPI_ISL_919009, EPI_ISL_919010, EPI_ISL_919013, EPI_ISL_919014, EPI_ISL_919015, EPI_ISL_919016, EPI_ISL_919115, EPI_ISL_919128, EPI_ISL_919130, EPI_ISL_919142, EPI_ISL_919146, EPI_ISL_919147, EPI_ISL_919148			
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_919208, EPI_ISL_919211, EPI_ISL_919213, EPI_ISL_919214, EPI_ISL_919215, EPI_ISL_919216, EPI_ISL_919217, EPI_ISL_919218, EPI_ISL_919219, EPI_ISL_919220, EPI_ISL_919221, EPI_ISL_919222, EPI_ISL_919223, EPI_ISL_919224, EPI_ISL_919225, EPI_ISL_919226, EPI_ISL_919227, EPI_ISL_919228, EPI_ISL_919229, EPI_ISL_919230, EPI_ISL_919231, EPI_ISL_919277, EPI_ISL_919278, EPI_ISL_919279, EPI_ISL_919280, EPI_ISL_919281, EPI_ISL_919282, EPI_ISL_919283, EPI_ISL_919284, EPI_ISL_919285, EPI_ISL_919286, EPI_ISL_919287, EPI_ISL_919288, EPI_ISL_919289, EPI_ISL_919290			
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_919345, EPI_ISL_919346	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_919488, EPI_ISL_919489, EPI_ISL_919490, EPI_ISL_919491, EPI_ISL_919492, EPI_ISL_919493, EPI_ISL_919494, EPI_ISL_919495, EPI_ISL_919496, EPI_ISL_919497, EPI_ISL_919498, EPI_ISL_919499, EPI_ISL_919500, EPI_ISL_919501, EPI_ISL_919502, EPI_ISL_919503, EPI_ISL_919504, EPI_ISL_919505, EPI_ISL_919507, EPI_ISL_919508, EPI_ISL_919509, EPI_ISL_919510, EPI_ISL_919512, EPI_ISL_919514, EPI_ISL_919518, EPI_ISL_919519, EPI_ISL_919520, EPI_ISL_919521, EPI_ISL_919522, EPI_ISL_919523, EPI_ISL_919525, EPI_ISL_919530, EPI_ISL_919532, EPI_ISL_919533, EPI_ISL_919535, EPI_ISL_919536, EPI_ISL_919542, EPI_ISL_919543, EPI_ISL_919547, EPI_ISL_919548, EPI_ISL_919550, EPI_ISL_919556, EPI_ISL_919557, EPI_ISL_919562, EPI_ISL_919563, EPI_ISL_919564, EPI_ISL_919568, EPI_ISL_919570, EPI_ISL_919571, EPI_ISL_919572, EPI_ISL_919573, EPI_ISL_919574, EPI_ISL_919575, EPI_ISL_919576, EPI_ISL_919577, EPI_ISL_919578, EPI_ISL_919582, EPI_ISL_919585, EPI_ISL_919587, EPI_ISL_919588, EPI_ISL_919589, EPI_ISL_919590, EPI_ISL_919604, EPI_ISL_919606, EPI_ISL_919607, EPI_ISL_919608, EPI_ISL_919610, EPI_ISL_919611, EPI_ISL_919612, EPI_ISL_919613, EPI_ISL_919614, EPI_ISL_919615, EPI_ISL_919617, EPI_ISL_919618, EPI_ISL_919619, EPI_ISL_919620, EPI_ISL_919633, EPI_ISL_919635, EPI_ISL_919636, EPI_ISL_919638, EPI_ISL_919639, EPI_ISL_919640, EPI_ISL_919649, EPI_ISL_919654, EPI_ISL_919675, EPI_ISL_919677, EPI_ISL_919683, EPI_ISL_919688, EPI_ISL_919691			
see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecatarina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_919854, EPI_ISL_919855	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_919884, EPI_ISL_919892, EPI_ISL_920059, EPI_ISL_920060, EPI_ISL_920061, EPI_ISL_920062, EPI_ISL_920063, EPI_ISL_920064, EPI_ISL_920065, EPI_ISL_920066, EPI_ISL_920067, EPI_ISL_920068, EPI_ISL_920069, EPI_ISL_920070, EPI_ISL_920071, EPI_ISL_920072, EPI_ISL_920156, EPI_ISL_920157, EPI_ISL_920159, EPI_ISL_920160, EPI_ISL_920162, EPI_ISL_920163, EPI_ISL_920165			
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
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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
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see above	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		
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see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium			
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see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Elumogu, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Derwisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady		
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see above	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Gemma Clark, Wendy Smith, Manjinder Khakh, Vicki M Fleming, Michelle M Lister, Hannah Howson-Wells, Jonathan Ball, Patrick McClure, Joseph Chappell, Theocharis Tsoleridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose		
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see above	Lincolnshire Hospitals and DeepSeq Nottingham	COVID-19 Genomics UK (COG-UK) Consortium	Nichola Duckworth, Tim Sloan, Sarah Walsh, Jonathan Ball, Patrick McClure, Joseph Chappell, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose		
EPI_ISL_922353, EPI_ISL_922356, EPI_ISL_922357, EPI_ISL_922358, EPI_ISL_922371, EPI_ISL_922512, EPI_ISL_922513, EPI_ISL_922514, EPI_ISL_922518, EPI_ISL_922520, EPI_ISL_922521, EPI_ISL_922522, EPI_ISL_922530, EPI_ISL_922536, EPI_ISL_922537, EPI_ISL_922538, EPI_ISL_922542, EPI_ISL_922545, EPI_ISL_922546, EPI_ISL_922552, EPI_ISL_922555, EPI_ISL_922556, EPI_ISL_922557, EPI_ISL_922561, EPI_ISL_922562, EPI_ISL_922564, EPI_ISL_922569, EPI_ISL_922575, EPI_ISL_922576, EPI_ISL_922577, EPI_ISL_922578, EPI_ISL_922579, EPI_ISL_922583, EPI_ISL_922584, EPI_ISL_922585, EPI_ISL_922586, EPI_ISL_922587, EPI_ISL_922608, EPI_ISL_922609, EPI_ISL_922610, EPI_ISL_922611, EPI_ISL_922612, EPI_ISL_922613, EPI_ISL_922614, EPI_ISL_922615, EPI_ISL_922616, EPI_ISL_922617, EPI_ISL_922618, EPI_ISL_922619, EPI_ISL_922620, EPI_ISL_922621, EPI_ISL_922622, EPI_ISL_922623, EPI_ISL_922624, EPI_ISL_922625, EPI_ISL_922630, EPI_ISL_922631, EPI_ISL_922632, EPI_ISL_922635, EPI_ISL_922636, EPI_ISL_922714, EPI_ISL_922716, 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EPI_ISL_922300, EPI_ISL_923201					
see above	Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarini, Sara Kumzienne-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor		
EPI_ISL_923315, EPI_ISL_923316, EPI_ISL_923318, EPI_ISL_923319, EPI_ISL_923320, EPI_ISL_923321, EPI_ISL_923322, EPI_ISL_923323, EPI_ISL_923324, EPI_ISL_923325, EPI_ISL_923326, EPI_ISL_923327, EPI_ISL_923328, EPI_ISL_923329, EPI_ISL_923330, EPI_ISL_923331, EPI_ISL_923332, EPI_ISL_923333, EPI_ISL_923335, EPI_ISL_923336, EPI_ISL_923337, EPI_ISL_923338, EPI_ISL_923339, EPI_ISL_923340, EPI_ISL_923341, EPI_ISL_923342, EPI_ISL_923343, EPI_ISL_923344, EPI_ISL_923345, EPI_ISL_923346, EPI_ISL_923347, EPI_ISL_923348, EPI_ISL_923349, EPI_ISL_923350, EPI_ISL_923351, EPI_ISL_923352, EPI_ISL_923353, EPI_ISL_923354, EPI_ISL_923357, EPI_ISL_923363, EPI_ISL_923366, EPI_ISL_923367, EPI_ISL_923369, EPI_ISL_923415, EPI_ISL_923417, EPI_ISL_923418, EPI_ISL_923419, EPI_ISL_923420, EPI_ISL_923421, EPI_ISL_923436, EPI_ISL_923495, EPI_ISL_923596, EPI_ISL_923597, EPI_ISL_923598, EPI_ISL_923680					
see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysheer,Scott Elliott,Samuel Robson		
EPI_ISL_923688, EPI_ISL_923753, EPI_ISL_923754, EPI_ISL_923756, EPI_ISL_923759, EPI_ISL_923763, EPI_ISL_923764, EPI_ISL_923779, EPI_ISL_923782, EPI_ISL_923783, EPI_ISL_923784, EPI_ISL_923785, EPI_ISL_923786, EPI_ISL_923787, EPI_ISL_923788, EPI_ISL_923789, EPI_ISL_923790, EPI_ISL_923791, EPI_ISL_923792, EPI_ISL_923793, EPI_ISL_923794, EPI_ISL_923820, EPI_ISL_923821, EPI_ISL_923822, EPI_ISL_923824, EPI_ISL_923825, EPI_ISL_923826, EPI_ISL_923828, EPI_ISL_923829, EPI_ISL_923830, EPI_ISL_923831, EPI_ISL_923832, EPI_ISL_923833, EPI_ISL_923834, EPI_ISL_923835, EPI_ISL_923837, EPI_ISL_923878, EPI_ISL_923879, EPI_ISL_923880, EPI_ISL_923881, EPI_ISL_923883, EPI_ISL_923884, EPI_ISL_923885, EPI_ISL_923886, EPI_ISL_923887, EPI_ISL_923888, EPI_ISL_923889, EPI_ISL_923891, EPI_ISL_923892, EPI_ISL_923893, EPI_ISL_923894, EPI_ISL_923895, EPI_ISL_923896, EPI_ISL_923897, EPI_ISL_923898, EPI_ISL_923900, EPI_ISL_923901, EPI_ISL_923971, EPI_ISL_923974, EPI_ISL_923975, EPI_ISL_924027, EPI_ISL_924028					
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_924086, EPI_ISL_924088, EPI_ISL_924093, EPI_ISL,					

EPI_ISL_932403, EPI_ISL_932406, EPI_ISL_932408, EPI_ISL_932413, EPI_ISL_932414, EPI_ISL_932417, EPI_ISL_932426, EPI_ISL_932428, EPI_ISL_932430, EPI_ISL_932437, EPI_ISL_932442, EPI_ISL_932443, EPI_ISL_932445, EPI_ISL_932447, EPI_ISL_932456, EPI_ISL_932460, EPI_ISL_932469, EPI_ISL_932471, EPI_ISL_932472, EPI_ISL_932474	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_932475		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_932477, EPI_ISL_932478, EPI_ISL_932483, EPI_ISL_932485, EPI_ISL_932491, EPI_ISL_932492, EPI_ISL_932495, EPI_ISL_932504, EPI_ISL_932505, EPI_ISL_932507, EPI_ISL_932508, EPI_ISL_932509, EPI_ISL_932510, EPI_ISL_932514, EPI_ISL_932516, EPI_ISL_932519, EPI_ISL_932520, EPI_ISL_932521, EPI_ISL_932525, EPI_ISL_932527, EPI_ISL_932529, EPI_ISL_932542, EPI_ISL_932546, EPI_ISL_932549, EPI_ISL_932551, EPI_ISL_932553, EPI_ISL_932555, EPI_ISL_932560, EPI_ISL_932561, EPI_ISL_932563, EPI_ISL_932565, EPI_ISL_932569, EPI_ISL_932575, EPI_ISL_932578, EPI_ISL_932580, EPI_ISL_932584, EPI_ISL_932585, EPI_ISL_932589, EPI_ISL_932590, EPI_ISL_932595, EPI_ISL_932597, EPI_ISL_932604, EPI_ISL_932610, EPI_ISL_932618, EPI_ISL_932624, EPI_ISL_932627, EPI_ISL_932628, EPI_ISL_932630, EPI_ISL_932631, EPI_ISL_932634, EPI_ISL_932638, EPI_ISL_932639, EPI_ISL_932643, EPI_ISL_932654, EPI_ISL_932656, EPI_ISL_932659, EPI_ISL_932660, EPI_ISL_932681, EPI_ISL_932685, EPI_ISL_932688, EPI_ISL_932694, EPI_ISL_932698, EPI_ISL_932699, EPI_ISL_932708, EPI_ISL_932719, EPI_ISL_932720, EPI_ISL_932727, EPI_ISL_932729, EPI_ISL_932733, EPI_ISL_932736, EPI_ISL_932738, EPI_ISL_932744, EPI_ISL_932756, EPI_ISL_932757, EPI_ISL_932762, EPI_ISL_932775, EPI_ISL_932777, EPI_ISL_932793, EPI_ISL_932799, EPI_ISL_932802, EPI_ISL_932823, EPI_ISL_932824, EPI_ISL_932828, EPI_ISL_932845, EPI_ISL_932869, EPI_ISL_932874, EPI_ISL_932886, EPI_ISL_932895, EPI_ISL_932910, EPI_ISL_932913, EPI_ISL_932961, EPI_ISL_932974, EPI_ISL_932977, EPI_ISL_933005, EPI_ISL_933019, EPI_ISL_933022, EPI_ISL_933061, EPI_ISL_933077, EPI_ISL_933107	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_933113, EPI_ISL_933116, EPI_ISL_933120, EPI_ISL_933123, EPI_ISL_933124, EPI_ISL_933125, EPI_ISL_933126, EPI_ISL_933127, EPI_ISL_933128, EPI_ISL_933130, EPI_ISL_933131, EPI_ISL_933134, EPI_ISL_933135, EPI_ISL_933136, EPI_ISL_933141, EPI_ISL_933142, EPI_ISL_933143, EPI_ISL_933145, EPI_ISL_933149, EPI_ISL_933150, EPI_ISL_933152, EPI_ISL_933154, EPI_ISL_933158, EPI_ISL_933162, EPI_ISL_933166, EPI_ISL_933167, EPI_ISL_933170, EPI_ISL_933171, EPI_ISL_933181, EPI_ISL_933184, EPI_ISL_933187, EPI_ISL_933188, EPI_ISL_933190, EPI_ISL_933196, EPI_ISL_933199, EPI_ISL_933200, EPI_ISL_933203, EPI_ISL_933207, EPI_ISL_933210, EPI_ISL_933213, EPI_ISL_933214, EPI_ISL_933215, EPI_ISL_933218, EPI_ISL_933219, EPI_ISL_933221, EPI_ISL_933226, EPI_ISL_933227, EPI_ISL_933228, EPI_ISL_933233, EPI_ISL_933236, EPI_ISL_933239, EPI_ISL_933242, EPI_ISL_933243, EPI_ISL_933246, EPI_ISL_933251, EPI_ISL_933252, EPI_ISL_933256, EPI_ISL_933258, EPI_ISL_933259, EPI_ISL_933261, EPI_ISL_933265, EPI_ISL_933266, EPI_ISL_933269, EPI_ISL_933270, EPI_ISL_933271, EPI_ISL_933272, EPI_ISL_933273, EPI_ISL_933277, EPI_ISL_933282, EPI_ISL_933283, EPI_ISL_933287, EPI_ISL_933288, EPI_ISL_933289, EPI_ISL_933293, EPI_ISL_933298, EPI_ISL_933301, EPI_ISL_933303, EPI_ISL_933304, EPI_ISL_933308, EPI_ISL_933311, EPI_ISL_933312, EPI_ISL_933316, EPI_ISL_933321, EPI_ISL_933325, EPI_ISL_933326, EPI_ISL_933332, EPI_ISL_933334, EPI_ISL_933336, EPI_ISL_933337, EPI_ISL_933338, EPI_ISL_933344, EPI_ISL_933345, EPI_ISL_933346, EPI_ISL_933348, EPI_ISL_933350, EPI_ISL_933354, EPI_ISL_933355, EPI_ISL_933358, EPI_ISL_933359, EPI_ISL_933360, EPI_ISL_933361, EPI_ISL_933362, EPI_ISL_933364, EPI_ISL_933371, EPI_ISL_933372, EPI_ISL_933373, EPI_ISL_933375, EPI_ISL_933376, EPI_ISL_933378, EPI_ISL_933382, EPI_ISL_933386, EPI_ISL_933387, EPI_ISL_933388, EPI_ISL_933393, EPI_ISL_933394, EPI_ISL_933396, EPI_ISL_933397, EPI_ISL_933400, EPI_ISL_933401, EPI_ISL_933405, EPI_ISL_933408, EPI_ISL_933410, EPI_ISL_933412, EPI_ISL_933414, EPI_ISL_933417, EPI_ISL_933420, EPI_ISL_933421, EPI_ISL_933424	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_937890, EPI_ISL_938057, EPI_ISL_938120, EPI_ISL_938151		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_938280, EPI_ISL_938292, EPI_ISL_938322, EPI_ISL_938353, EPI_ISL_938387, EPI_ISL_938389, EPI_ISL_938391, EPI_ISL_938427, EPI_ISL_938432, EPI_ISL_938439, EPI_ISL_938501, EPI_ISL_938512, EPI_ISL_938548, EPI_ISL_938563, EPI_ISL_938574	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_939079, EPI_ISL_939418, EPI_ISL_939420, EPI_ISL_939466, EPI_ISL_939600, EPI_ISL_939603		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_939604		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_946381		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_948014, EPI_ISL_948478, EPI_ISL_948486, EPI_ISL_948518, EPI_ISL_948598, EPI_ISL_948617, EPI_ISL_948699		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_949299, EPI_ISL_949300, EPI_ISL_949301, EPI_ISL_949302, EPI_ISL_949303, EPI_ISL_949304, EPI_ISL_949305, EPI_ISL_949306, EPI_ISL_949307, EPI_ISL_949308, EPI_ISL_949309, EPI_ISL_949312, EPI_ISL_949313, EPI_ISL_949314, EPI_ISL_949317, EPI_ISL_949322	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_949407, EPI_ISL_949408, EPI_ISL_949412, EPI_ISL_949418, EPI_ISL_949419, EPI_ISL_949422, EPI_ISL_949423, EPI_ISL_949424, EPI_ISL_949425, EPI_ISL_949426		University of Birmingham	COVID-19 Genomics UK (COG-UK) Consortium	Institute of Microbiology, University of Birmingham: Claire 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_949427, EPI_ISL_949428, EPI_ISL_949429, EPI_ISL_949431, EPI_ISL_949432, EPI_ISL_949434, EPI_ISL_949435, EPI_ISL_949436, EPI_ISL_949437, EPI_ISL_949438, EPI_ISL_949439, EPI_ISL_949440, EPI_ISL_949441, EPI_ISL_949442, EPI_ISL_949443, EPI_ISL_949444, EPI_ISL_949445, EPI_ISL_949446, EPI_ISL_949447, EPI_ISL_949448, EPI_ISL_949449, EPI_ISL_949450, EPI_ISL_949451, EPI_ISL_949452, EPI_ISL_949453, EPI_ISL_949454, EPI_ISL_949455, EPI_ISL_949478, EPI_ISL_949480, EPI_ISL_949481, EPI_ISL_949482, EPI_ISL_949483, EPI_ISL_949484, EPI_ISL_949486, EPI_ISL_949488, EPI_ISL_949489, EPI_ISL_949491, EPI_ISL_949493, EPI_ISL_949495, EPI_ISL_949497, EPI_ISL_949499, EPI_ISL_949501, EPI_ISL_949503, EPI_ISL_949505, EPI_ISL_949507, EPI_ISL_949509, EPI_ISL_949511, EPI_ISL_949513, EPI_ISL_949515, EPI_ISL_949517	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_949612		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 Orton, 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_949637, EPI_ISL_949638, EPI_ISL_949639, EPI_ISL_949641		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_949753		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_949791, EPI_ISL_949905, EPI_ISL_949963, EPI_ISL_949979, EPI_ISL_949986, EPI_ISL_949990, EPI_ISL_949991, EPI_ISL_950156, EPI_ISL_950157, EPI_ISL_950158, EPI_ISL_950160, EPI_ISL_950161	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_950337, EPI_ISL_950338, EPI_ISL_950339, EPI_ISL_950340, EPI_ISL_950341, EPI_ISL_950342, EPI_ISL_950343, EPI_ISL_950344, EPI_ISL_950345, EPI_ISL_950346, EPI_ISL_950347, EPI_ISL_950348, EPI_ISL_950349, EPI_ISL_950494, EPI_ISL_950495, EPI_ISL_950496, EPI_ISL_950497, EPI_ISL_950498, EPI_ISL_950499, EPI_ISL_950500, EPI_ISL_950501, EPI_ISL_950502, EPI_ISL_950503, EPI_ISL_950504	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_950563, EPI_ISL_950564, EPI_ISL_950565, EPI_ISL_950567, EPI_ISL_950568, EPI_ISL_950569, EPI_ISL_950570, EPI_ISL_950571		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 Aikhan, 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 Devisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_950715, EPI_ISL_950716		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_951359, EPI_ISL_951360, EPI_ISL_951368, EPI_ISL_951369, EPI_ISL_951370, EPI_ISL_951371, EPI_ISL_951372, EPI_ISL_951373, EPI_ISL_951461, EPI_ISL_951462, EPI_ISL_951463, EPI_ISL_951464, EPI_ISL_951466, EPI_ISL_951468, EPI_ISL_951469, EPI_ISL_951470, EPI_ISL_951471, EPI_ISL_951475, EPI_ISL_951476, EPI_ISL_951477, EPI_ISL_951478, EPI_ISL_951479, EPI_ISL_951480, EPI_ISL_951481, EPI_ISL_951482, EPI_ISL_951484, EPI_ISL_951485, EPI_ISL_951486, EPI_ISL_951487, EPI_ISL_951488, EPI_ISL_951489	see above	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium
Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser			
EPI_ISL_951589, EPI_ISL_951590, EPI_ISL_951591, EPI_ISL_951592, EPI_ISL_951593, EPI_ISL_951594, EPI_ISL_951595, EPI_ISL_951596, EPI_ISL_951603, EPI_ISL_951620, EPI_ISL_951624, EPI_ISL_951625, EPI_ISL_951632, EPI_ISL_951633, EPI_ISL_951635, EPI_ISL_951637, EPI_ISL_951639, EPI_ISL_951644, EPI_ISL_951645, EPI_ISL_951646, EPI_ISL_951648, EPI_ISL_951649, EPI_ISL_951650, EPI_ISL_951651, EPI_ISL_951652, EPI_ISL_951653, EPI_ISL_951654, EPI_ISL_951655, EPI_ISL_951658, EPI_ISL_951660, EPI_ISL_951661, EPI_ISL_951664, EPI_ISL_951668, EPI_ISL_951669, EPI_ISL_951670, EPI_ISL_951672, EPI_ISL_951674, EPI_ISL_951675, EPI_ISL_951680, EPI_ISL_951681, EPI_ISL_951740, EPI_ISL_951756, EPI_ISL_951757, EPI_ISL_951770, EPI_ISL_951771, EPI_ISL_951772, EPI_ISL_951773, EPI_ISL_951819, EPI_ISL_951823, EPI_ISL_951825, EPI_ISL_951826, EPI_ISL_951827, EPI_ISL_951829, EPI_ISL_952187, EPI_ISL_952188, EPI_ISL_952189, EPI_ISL_952190, EPI_ISL_952192, EPI_ISL_952194, EPI_ISL_952195, EPI_ISL_952196, EPI_ISL_952201, EPI_ISL_952202, EPI_ISL_952204, EPI_ISL_952205, EPI_ISL_952207	see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre
Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiari, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor			
EPI_ISL_952386, EPI_ISL_952387, EPI_ISL_952393, EPI_ISL_952405, EPI_ISL_952410, EPI_ISL_952412, EPI_ISL_952416, EPI_ISL_952432, EPI_ISL_952437, EPI_ISL_952445, EPI_ISL_952489, EPI_ISL_952490, EPI_ISL_952521, EPI_ISL_952522, EPI_ISL_952523, EPI_ISL_952524, EPI_ISL_952525, EPI_ISL_952528, EPI_ISL_952529, EPI_ISL_952530, EPI_ISL_952538, EPI_ISL_952539, EPI_ISL_952554, EPI_ISL_952673, EPI_ISL_952675, EPI_ISL_952677, EPI_ISL_952680, EPI_ISL_952689, EPI_ISL_952783, EPI_ISL_952820, EPI_ISL_952821, EPI_ISL_952829, EPI_ISL_952830, EPI_ISL_952831, EPI_ISL_952832, EPI_ISL_952833, EPI_ISL_952834, EPI_ISL_952835, EPI_ISL_952840, EPI_ISL_952841, EPI_ISL_952842, EPI_ISL_952844, EPI_ISL_952845, EPI_ISL_952846, EPI_ISL_952847, EPI_ISL_952848, EPI_ISL_952849, EPI_ISL_952850, EPI_ISL_952851, EPI_ISL_952852, EPI_ISL_952853, EPI_ISL_952855	see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium
Angela Beckett, Salman Goudarzi, Christopher Fearn, Kate Cook, Katie Loveson, Sharon Glaysheer, Scott Elliott, Samuel Robson			
EPI_ISL_952858, EPI_ISL_952859, EPI_ISL_952860, EPI_ISL_952862, EPI_ISL_952863, EPI_ISL_952865, EPI_ISL_952866, EPI_ISL_952867, EPI_ISL_952868, EPI_ISL_952871, EPI_ISL_952874, EPI_ISL_952876, EPI_ISL_952877, EPI_ISL_952878, EPI_ISL_952879, EPI_ISL_952880, EPI_ISL_952881, EPI_ISL_952882, EPI_ISL_952883, EPI_ISL_952884, EPI_ISL_952885, EPI_ISL_952886, EPI_ISL_952888, EPI_ISL_952889, EPI_ISL_952890, EPI_ISL_952891, EPI_ISL_952892, EPI_ISL_952893, EPI_ISL_952894, EPI_ISL_952896, EPI_ISL_952914, EPI_ISL_952916, EPI_ISL_952917, EPI_ISL_952919, EPI_ISL_952920, EPI_ISL_952923, EPI_ISL_952924, EPI_ISL_952925, EPI_ISL_952926, EPI_ISL_952929, EPI_ISL_952933, EPI_ISL_952934, EPI_ISL_952935, EPI_ISL_952937, EPI_ISL_952938, EPI_ISL_952939, EPI_ISL_952940, EPI_ISL_952941	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_953083, EPI_ISL_953089, EPI_ISL_953096, EPI_ISL_953097, EPI_ISL_953098, EPI_ISL_953099, EPI_ISL_953101, EPI_ISL_953102, EPI_ISL_953103, EPI_ISL_953104, EPI_ISL_953105, EPI_ISL_953106, EPI_ISL_953107, EPI_ISL_953108, EPI_ISL_953109, EPI_ISL_953111, EPI_ISL_953113, EPI_ISL_953114, EPI_ISL_953115, EPI_ISL_953116, EPI_ISL_953117	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_987282, EPI_ISL_987294, EPI_ISL_987308, EPI_ISL_987314, EPI_ISL_987316, EPI_ISL_987320, EPI_ISL_987323, EPI_ISL_987324		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 (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987327, EPI_ISL_987333, EPI_ISL_987336		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987337, EPI_ISL_987341, EPI_ISL_987347, EPI_ISL_987349, EPI_ISL_987350, EPI_ISL_987354, EPI_ISL_987359, EPI_ISL_987360, EPI_ISL_987362, EPI_ISL_987363, EPI_ISL_987370, EPI_ISL_987375, EPI_ISL_987376, EPI_ISL_987385, EPI_ISL_987391, EPI_ISL_987394, EPI_ISL_987404, EPI_ISL_987405	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 (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987410		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987433, EPI_ISL_987436, EPI_ISL_987437, EPI_ISL_987439, EPI_ISL_987440		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 (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987448		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987450		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 (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987469		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987470, EPI_ISL_987471, EPI_ISL_987483, EPI_ISL_987485, EPI_ISL_987486, EPI_ISL_987496, EPI_ISL_987497, EPI_ISL_987502, EPI_ISL_987503, EPI_ISL_987511		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 (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987524		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987529, EPI_ISL_987532		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 (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987534		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987535, EPI_ISL_987536, EPI_ISL_987550, EPI_ISL_987568, EPI_ISL_987571, EPI_ISL_987576		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 (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987584		Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium
Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)			
EPI_ISL_987590, EPI_ISL_987616, EPI_ISL_987619		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 (http://www.sanger.ac.uk/covid-team)			

				Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_987620	Lighthouse Lab in Alderley Park	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Jacquelyn Wynn, Mairead Hyland, The Lighthouse Lab in Alderley Park and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)	
EPI_ISL_987621, EPI_ISL_987629	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 (http://www.sanger.ac.uk/covid-team)	
EPI_ISL_991205, EPI_ISL_991213	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_991351, EPI_ISL_991355, EPI_ISL_991358, EPI_ISL_991359, EPI_ISL_991367, EPI_ISL_991368, EPI_ISL_991370, EPI_ISL_991377, EPI_ISL_991379, EPI_ISL_991381, EPI_ISL_991382, EPI_ISL_991383, EPI_ISL_991385, EPI_ISL_991386, EPI_ISL_991387, EPI_ISL_991389, EPI_ISL_991395, EPI_ISL_991397, EPI_ISL_991399, EPI_ISL_991403, EPI_ISL_991409, EPI_ISL_991412, EPI_ISL_991417, EPI_ISL_991419, EPI_ISL_991422, EPI_ISL_991428, EPI_ISL_991432, EPI_ISL_991434, EPI_ISL_991435, EPI_ISL_991437, EPI_ISL_991443, EPI_ISL_991446, EPI_ISL_991448, EPI_ISL_991450, EPI_ISL_991451, EPI_ISL_991453, EPI_ISL_991455, EPI_ISL_991458, EPI_ISL_991460, EPI_ISL_991464, EPI_ISL_991465, EPI_ISL_991467, EPI_ISL_991470, EPI_ISL_991475, EPI_ISL_991476, EPI_ISL_991478, EPI_ISL_991482, EPI_ISL_991486, EPI_ISL_991489, EPI_ISL_991491, EPI_ISL_991493, EPI_ISL_991494, EPI_ISL_991496, EPI_ISL_991498, EPI_ISL_991499, EPI_ISL_991500, EPI_ISL_991502, EPI_ISL_991503, EPI_ISL_991506, EPI_ISL_991515, EPI_ISL_991517, EPI_ISL_991525, EPI_ISL_991527, EPI_ISL_991528, EPI_ISL_991530, EPI_ISL_991531, EPI_ISL_991532, EPI_ISL_991534, EPI_ISL_991536, EPI_ISL_991537, EPI_ISL_991540, EPI_ISL_991544, EPI_ISL_991546, EPI_ISL_991547, EPI_ISL_991548, EPI_ISL_991549, EPI_ISL_991551, EPI_ISL_991553, EPI_ISL_991556, EPI_ISL_991558, EPI_ISL_991561				
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_991964, EPI_ISL_991965, EPI_ISL_991966, EPI_ISL_991967, EPI_ISL_991968, EPI_ISL_991969, EPI_ISL_991970, EPI_ISL_991971, EPI_ISL_991972, EPI_ISL_991973, EPI_ISL_991974, EPI_ISL_991975, EPI_ISL_991976, EPI_ISL_991977, EPI_ISL_991978, EPI_ISL_991981, EPI_ISL_991988, EPI_ISL_991991, EPI_ISL_991995, EPI_ISL_992001, EPI_ISL_992009, EPI_ISL_992012, EPI_ISL_992013, EPI_ISL_992017, EPI_ISL_992023, EPI_ISL_992030, EPI_ISL_992038, EPI_ISL_992041, EPI_ISL_992042, EPI_ISL_992044, EPI_ISL_992046, EPI_ISL_992048, EPI_ISL_992050, EPI_ISL_992053, EPI_ISL_992054, EPI_ISL_992055, EPI_ISL_992057, EPI_ISL_992058, EPI_ISL_992061, EPI_ISL_992062, EPI_ISL_992063, EPI_ISL_992064, EPI_ISL_992066, EPI_ISL_992067, EPI_ISL_992069, EPI_ISL_992071, EPI_ISL_992073, EPI_ISL_992074, EPI_ISL_992076, EPI_ISL_992077, EPI_ISL_992078, EPI_ISL_992079, EPI_ISL_992081, EPI_ISL_992082, EPI_ISL_992083, EPI_ISL_992085, EPI_ISL_992087, EPI_ISL_992089, EPI_ISL_992090, EPI_ISL_992091, EPI_ISL_992092, EPI_ISL_992097, EPI_ISL_992099, EPI_ISL_992100, EPI_ISL_992101, EPI_ISL_992104, EPI_ISL_992108, EPI_ISL_992110, EPI_ISL_992118, EPI_ISL_992119, EPI_ISL_992122, EPI_ISL_992125, EPI_ISL_992127, EPI_ISL_992128, EPI_ISL_992130, EPI_ISL_992131, EPI_ISL_992135, EPI_ISL_992143, EPI_ISL_992144				
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_992145	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_992146, EPI_ISL_992147, EPI_ISL_992149, EPI_ISL_992151, EPI_ISL_992152, EPI_ISL_992153, EPI_ISL_992155, EPI_ISL_992159, EPI_ISL_992161, EPI_ISL_992164, EPI_ISL_992166, EPI_ISL_992172, EPI_ISL_992173, EPI_ISL_992175, EPI_ISL_992177, EPI_ISL_992178, EPI_ISL_992179, EPI_ISL_992180, EPI_ISL_992181, EPI_ISL_992183, EPI_ISL_992184, EPI_ISL_992187, EPI_ISL_992188, EPI_ISL_992189, EPI_ISL_992196, EPI_ISL_992197, EPI_ISL_992198, EPI_ISL_992204, EPI_ISL_992205, EPI_ISL_992206, EPI_ISL_992211, EPI_ISL_992215, EPI_ISL_992218, EPI_ISL_992219, EPI_ISL_992220, EPI_ISL_992221, EPI_ISL_992226, EPI_ISL_992229, EPI_ISL_992234, EPI_ISL_992236, EPI_ISL_992237, EPI_ISL_992240, EPI_ISL_992241, EPI_ISL_992242, EPI_ISL_992243, EPI_ISL_992246, EPI_ISL_992250, EPI_ISL_992252, EPI_ISL_992258, EPI_ISL_992260, EPI_ISL_992261, EPI_ISL_992262, EPI_ISL_992265, EPI_ISL_992267, EPI_ISL_992269, EPI_ISL_992271, EPI_ISL_992272, EPI_ISL_992273, EPI_ISL_992276, EPI_ISL_992279, EPI_ISL_992282, EPI_ISL_992283, EPI_ISL_992286, EPI_ISL_992287, EPI_ISL_992288, EPI_ISL_992289, EPI_ISL_992291, EPI_ISL_992292, EPI_ISL_992294, EPI_ISL_992295, EPI_ISL_992301, EPI_ISL_992302, EPI_ISL_992303, EPI_ISL_992304, EPI_ISL_992305, EPI_ISL_992306, EPI_ISL_992309, EPI_ISL_992310, EPI_ISL_992311, EPI_ISL_992312, EPI_ISL_992314, EPI_ISL_992317, EPI_ISL_992318, EPI_ISL_992321, EPI_ISL_992322, EPI_ISL_992323, EPI_ISL_992329, EPI_ISL_992330, EPI_ISL_992331, EPI_ISL_992332, EPI_ISL_992335, EPI_ISL_992336, EPI_ISL_992337, EPI_ISL_992338, EPI_ISL_992344, EPI_ISL_992345, EPI_ISL_992348, EPI_ISL_992349, EPI_ISL_992352, EPI_ISL_992353, EPI_ISL_992360, EPI_ISL_9923				

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		Team	
EPI_ISL_994524	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_994525, EPI_ISL_994526, EPI_ISL_994527	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_994528	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_994530	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_994531, EPI_ISL_994532	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_994533	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_994534, EPI_ISL_994535	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_994536	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_994537	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_994539, EPI_ISL_994540, EPI_ISL_994541	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_994542	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_994544	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_994545	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_994546	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_994547, EPI_ISL_994548, EPI_ISL_994549, EPI_ISL_994550, EPI_ISL_994551, EPI_ISL_994552, EPI_ISL_994553, EPI_ISL_994554, EPI_ISL_994555, EPI_ISL_994556, EPI_ISL_994557, EPI_ISL_994558, EPI_ISL_994559, EPI_ISL_994560, EPI_ISL_994561, EPI_ISL_994562, EPI_ISL_994563, EPI_ISL_994564, EPI_ISL_994565, EPI_ISL_994566, EPI_ISL_994567, EPI_ISL_994568, EPI_ISL_994569, EPI_ISL_994570, EPI_ISL_994571, EPI_ISL_994572, EPI_ISL_994573, EPI_ISL_994574, EPI_ISL_994575, EPI_ISL_994576, EPI_ISL_994577, EPI_ISL_994578, EPI_ISL_994579, EPI_ISL_994580, EPI_ISL_994581, EPI_ISL_994582, EPI_ISL_994583, EPI_ISL_994584, EPI_ISL_994585, EPI_ISL_994586, EPI_ISL_994587, EPI_ISL_994588, EPI_ISL_994589, EPI_ISL_994591, EPI_ISL_994592, EPI_ISL_994593, EPI_ISL_994594, EPI_ISL_994595, EPI_ISL_994596, EPI_ISL_994597, EPI_ISL_994598, EPI_ISL_994599, EPI_ISL_994600, EPI_ISL_994601, EPI_ISL_994602, EPI_ISL_994603, EPI_ISL_994604, EPI_ISL_994605, EPI_ISL_994606, EPI_ISL_994607, EPI_ISL_994608, EPI_ISL_994609	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
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_994610	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_994611, EPI_ISL_994612, EPI_ISL_994613, EPI_ISL_994614, EPI_ISL_994616, EPI_ISL_994617, EPI_ISL_994618, EPI_ISL_994620, EPI_ISL_994621, EPI_ISL_994625, EPI_ISL_994627, EPI_ISL_994628, EPI_ISL_994631, EPI_ISL_994632, EPI_ISL_994638, EPI_ISL_994640, EPI_ISL_994642, EPI_ISL_994644, EPI_ISL_994645, EPI_ISL_994647, EPI_ISL_994648	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
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_996389, EPI_ISL_996390, EPI_ISL_996391, EPI_ISL_996392, EPI_ISL_996393, EPI_ISL_996394, EPI_ISL_996395, EPI_ISL_996397, EPI_ISL_996398, EPI_ISL_996399, EPI_ISL_996400, EPI_ISL_996425, EPI_ISL_996426, EPI_ISL_996447, EPI_ISL_996448, EPI_ISL_996450, EPI_ISL_996451	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_996572, EPI_ISL_996573, EPI_ISL_996574, EPI_ISL_996575, EPI_ISL_996577, EPI_ISL_996578, EPI_ISL_996590, EPI_ISL_996593	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_996598, EPI_ISL_996600, EPI_ISL_996601, EPI_ISL_996602, EPI_ISL_996698, EPI_ISL_996700, EPI_ISL_996702, EPI_ISL_996706, EPI_ISL_996710, EPI_ISL_996714, EPI_ISL_996716, EPI_ISL_996718, EPI_ISL_996721, EPI_ISL_996723, EPI_ISL_996725, EPI_ISL_996727, EPI_ISL_996729, EPI_ISL_996731, EPI_ISL_996733, EPI_ISL_996739	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
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_997050, EPI_ISL_997061	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_997077, EPI_ISL_997078, EPI_ISL_997079, EPI_ISL_997112, EPI_ISL_997149, EPI_ISL_997150, EPI_ISL_997151, EPI_ISL_997152, EPI_ISL_997153, EPI_ISL_997154, EPI_ISL_997155, EPI_ISL_997157, EPI_ISL_997158	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
see above	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Cotton S, Rooke S, O'Toole Á, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Templeton K
EPI_ISL_997405, EPI_ISL_997412, EPI_ISL_997413, EPI_ISL_997414, EPI_ISL_997415, EPI_ISL_997416, EPI_ISL_997417	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, Angela 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 Varnos, Joanne Watts, Mark Whitehead
EPI_ISL_997625, EPI_ISL_997626, EPI_ISL_997627, EPI_ISL_997628, EPI_ISL_997642, EPI_ISL_997645, EPI_ISL_997646, EPI_ISL_997647, EPI_ISL_997648, EPI_ISL_997649, EPI_ISL_997650, EPI_ISL_997651	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
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_997678, EPI_ISL_997679, EPI_ISL_997680, EPI_ISL_997681, EPI_ISL_997682, EPI_ISL_997690, EPI_ISL_997997, EPI_ISL_997998, EPI_ISL_997999, EPI_ISL_998000, EPI_ISL_998001			
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_998145, EPI_ISL_998146, EPI_ISL_998148, EPI_ISL_998149, EPI_ISL_998164, EPI_ISL_998165, EPI_ISL_998166, EPI_ISL_998168, EPI_ISL_998169, EPI_ISL_998170, EPI_ISL_998173, EPI_ISL_998176, EPI_ISL_998177, EPI_ISL_998180, EPI_ISL_998197, EPI_ISL_998199, EPI_ISL_998212, EPI_ISL_998213, EPI_ISL_998214, EPI_ISL_998215, EPI_ISL_998216, EPI_ISL_998217, EPI_ISL_998222, EPI_ISL_998223, EPI_ISL_998224, EPI_ISL_998225, EPI_ISL_998248, EPI_ISL_998249, EPI_ISL_998250, EPI_ISL_998251, EPI_ISL_998252, EPI_ISL_998253, EPI_ISL_998254, EPI_ISL_998255, EPI_ISL_998257, EPI_ISL_998258, EPI_ISL_998259, EPI_ISL_998260, EPI_ISL_998261, EPI_ISL_998262, EPI_ISL_998263, EPI_ISL_998265, EPI_ISL_998266, EPI_ISL_998309, EPI_ISL_998310, EPI_ISL_998311, EPI_ISL_998312			
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_998342, EPI_ISL_998343, EPI_ISL_998344, EPI_ISL_998345, EPI_ISL_998347, EPI_ISL_998348, EPI_ISL_998349, EPI_ISL_998350, EPI_ISL_998364, EPI_ISL_998380, EPI_ISL_998381, EPI_ISL_998382, EPI_ISL_998383, EPI_ISL_998384, EPI_ISL_998385, EPI_ISL_998386, EPI_ISL_998387, EPI_ISL_998388, EPI_ISL_998389, EPI_ISL_998390, EPI_ISL_998391, EPI_ISL_998392, EPI_ISL_998393, EPI_ISL_998394, EPI_ISL_998395, EPI_ISL_998396, EPI_ISL_998397, EPI_ISL_998398, EPI_ISL_998399, EPI_ISL_998400, EPI_ISL_998401, EPI_ISL_998402, EPI_ISL_998403, EPI_ISL_998404, EPI_ISL_998405, EPI_ISL_998406, EPI_ISL_998407, EPI_ISL_998408, EPI_ISL_998409, EPI_ISL_998410, EPI_ISL_998411, EPI_ISL_998412, EPI_ISL_998413, EPI_ISL_998414, EPI_ISL_998415, EPI_ISL_998416, EPI_ISL_998417, EPI_ISL_998418, EPI_ISL_998419, EPI_ISL_998420, EPI_ISL_998421, EPI_ISL_998422, EPI_ISL_998423, EPI_ISL_998424, EPI_ISL_998425, EPI_ISL_998426, EPI_ISL_998427, EPI_ISL_998428, EPI_ISL_998429, EPI_ISL_998430, EPI_ISL_998431, EPI_ISL_998432, EPI_ISL_998433, EPI_ISL_998434, EPI_ISL_998435, EPI_ISL_998436, EPI_ISL_998437, EPI_ISL_998438, EPI_ISL_998439, EPI_ISL_998440, EPI_ISL_998441, EPI_ISL_998442, EPI_ISL_998443, EPI_ISL_998444, EPI_ISL_998445, EPI_ISL_998446, EPI_ISL_998447, EPI_ISL_998473, EPI_ISL_998475			
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_998824	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_998957, EPI_ISL_998958, EPI_ISL_998959, EPI_ISL_998960, EPI_ISL_998961, EPI_ISL_998962, EPI_ISL_998963, EPI_ISL_998964, EPI_ISL_998965, EPI_ISL_998966, EPI_ISL_998967, EPI_ISL_998968, EPI_ISL_998969, EPI_ISL_998970, EPI_ISL_998971, EPI_ISL_998972, EPI_ISL_998973, EPI_ISL_998974, EPI_ISL_998975, EPI_ISL_998976, EPI_ISL_998977, EPI_ISL_998978, EPI_ISL_998979			
see above	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_999135, EPI_ISL_999149, EPI_ISL_999157, EPI_ISL_999158, EPI_ISL_999159, EPI_ISL_999160, EPI_ISL_999162, EPI_ISL_999163, EPI_ISL_999164, EPI_ISL_999165, EPI_ISL_999166, EPI_ISL_999167, EPI_ISL_999168, EPI_ISL_999170, EPI_ISL_999173, EPI_ISL_999174, EPI_ISL_999175, EPI_ISL_999177, EPI_ISL_999178, EPI_ISL_999179, EPI_ISL_999180, EPI_ISL_999181, EPI_ISL_999182, EPI_ISL_999183, EPI_ISL_999184, EPI_ISL_999185, EPI_ISL_999186, EPI_ISL_999187, EPI_ISL_999188, EPI_ISL_999189, EPI_ISL_999190, EPI_ISL_999191, EPI_ISL_999192, EPI_ISL_999193, EPI_ISL_999194, EPI_ISL_999195, EPI_ISL_999196, EPI_ISL_999197, EPI_ISL_999198, EPI_ISL_999200, EPI_ISL_999201, EPI_ISL_999202, EPI_ISL_999203, EPI_ISL_999217, EPI_ISL_999219, EPI_ISL_999222, EPI_ISL_999224, EPI_ISL_999225, EPI_ISL_999226, EPI_ISL_999228, EPI_ISL_999229, EPI_ISL_999236, EPI_ISL_999248, EPI_ISL_999250, EPI_ISL_999252, EPI_ISL_999258, EPI_ISL_999260, EPI_ISL_999261, EPI_ISL_999263, EPI_ISL_999265, EPI_ISL_999267, EPI_ISL_999288, EPI_ISL_999289, EPI_ISL_999290, EPI_ISL_999291, EPI_ISL_999292, EPI_ISL_999408, EPI_ISL_999409, EPI_ISL_999410, EPI_ISL_999411, EPI_ISL_999412, EPI_ISL_999413, EPI_ISL_999414, EPI_ISL_999416, EPI_ISL_999425, EPI_ISL_999426, EPI_ISL_999437, EPI_ISL_999438, EPI_ISL_999443, EPI_ISL_999444, EPI_ISL_999445, EPI_ISL_999453, EPI_ISL_999467, EPI_ISL_999468, EPI_ISL_999469, EPI_ISL_999473, EPI_ISL_999474, EPI_ISL_999475, EPI_ISL_999476, EPI_ISL_999478, EPI_ISL_999496, EPI_ISL_999497, EPI_ISL_999498, EPI_ISL_999499, EPI_ISL_999500, EPI_ISL_999501, EPI_ISL_999502, EPI_ISL_999503, EPI_ISL_999504, EPI_ISL_999505			
see above	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	COVID-19 Genomics UK (COG-UK) Consortium	Tanya Golubchik, David Bonsall, George Macintyre, Amy Trebes, Mariateresa de Cesare, Catrin Moore, Alex Mobbs, Anita Justice, Robert Shaw, Monique Andersson, Timothy Peto, Emma Wise, Nathan Moore, Jessica Lynch, Nick Cortes, Matilde Mori, Stephen Kidd, David Buck, John Todd, Christophe Fraser
EPI_ISL_999986	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