

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_1000191, EPI_ISL_1000288, EPI_ISL_1000290, EPI_ISL_1000293, EPI_ISL_1000294, EPI_ISL_1000299, EPI_ISL_1000300, EPI_ISL_1000301, EPI_ISL_1000303, EPI_ISL_1000304, EPI_ISL_1000305, EPI_ISL_1000306, EPI_ISL_1000313, EPI_ISL_1000316, EPI_ISL_1000323, EPI_ISL_1000461, EPI_ISL_1000462, EPI_ISL_1000525, EPI_ISL_1000542, EPI_ISL_1000546, EPI_ISL_1000597, EPI_ISL_1000599, EPI_ISL_1000600, EPI_ISL_1000602, EPI_ISL_1000603, EPI_ISL_1000604, EPI_ISL_1000614, EPI_ISL_1000615, EPI_ISL_1000616, EPI_ISL_1000617	see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson	
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EPI_ISL_1045983, EPI_ISL_1046337, EPI_ISL_1046339, EPI_ISL_1046340, EPI_ISL_1046342, EPI_ISL_1046343, EPI_ISL_1046344, EPI_ISL_1046345, EPI_ISL_1046346, EPI_ISL_1046348, EPI_ISL_1046349, EPI_ISL_1046350, EPI_ISL_1046351, EPI_ISL_1046352, EPI_ISL_1046353, EPI_ISL_1046356, EPI_ISL_1046358, EPI_ISL_1046360, EPI_ISL_1046362, EPI_ISL_1046363, EPI_ISL_1046364, EPI_ISL_1046367, EPI_ISL_1046368, EPI_ISL_1046369, EPI_ISL_1046370, EPI_ISL_1046371, EPI_ISL_1046372, EPI_ISL_1046373, EPI_ISL_1046374, EPI_ISL_1046376, EPI_ISL_1046377, EPI_ISL_1046378, EPI_ISL_1046379, EPI_ISL_1046380, EPI_ISL_1046382, EPI_ISL_1046383, EPI_ISL_1046384, EPI_ISL_1046385, EPI_ISL_1046386, EPI_ISL_1046387, EPI_ISL_1046388, EPI_ISL_1046389, EPI_ISL_1046390, EPI_ISL_1046391, EPI_ISL_1046392, EPI_ISL_1046393, EPI_ISL_1046395, EPI_ISL_1046397, EPI_ISL_1046398, EPI_ISL_1046399, EPI_ISL_1046400, EPI_ISL_1046401, EPI_ISL_1046403, EPI_ISL_1046405, EPI_ISL_1046406, EPI_ISL_1046407, EPI_ISL_1046408, EPI_ISL_1046410, EPI_ISL_1046412, EPI_ISL_1046413, EPI_ISL_1046414, EPI_ISL_1046415, EPI_ISL_1046416, EPI_ISL_1046417, EPI_ISL_1046418, EPI_ISL_1046419, EPI_ISL_1046420, EPI_ISL_1046421, EPI_ISL_1046422, EPI_ISL_1046423, EPI_ISL_1046424, EPI_ISL_1046425, EPI_ISL_1046426, EPI_ISL_1046427, EPI_ISL_1046428, EPI_ISL_1046429, EPI_ISL_1046430, EPI_ISL_1046431, EPI_ISL_1046432, EPI_ISL_1046433, EPI_ISL_1046434, EPI_ISL_1046436, EPI_ISL_1046437, EPI_ISL_1046438, EPI_ISL_1046439, EPI_ISL_1046441, EPI_ISL_1046443, EPI_ISL_1046444, EPI_ISL_1046445, EPI_ISL_1046446, EPI_ISL_1046447, EPI_ISL_1046448, EPI_ISL_1046450, EPI_ISL_1046451, EPI_ISL_1046452, EPI_ISL_1046453, EPI_ISL_1046454, EPI_ISL_1046455, EPI_ISL_1046456, EPI_ISL_1046457, EPI_ISL_1046458, EPI_ISL_1046459, EPI_ISL_1046460, EPI_ISL_1046461, EPI_ISL_1046462, EPI_ISL_1046463, EPI_ISL_1046464, EPI_ISL_1046465, EPI_ISL_1046466, EPI_ISL_1046468, EPI_ISL_1046469, EPI_ISL_1046470, EPI_ISL_1046471, EPI_ISL_1046472, EPI_ISL_1046473, EPI_ISL_1046475, EPI_ISL_1046476, EPI_ISL_1046477, EPI_ISL_1046478, EPI_ISL_1046479, EPI_ISL_1046480, EPI_ISL_1046481, EPI_ISL_1046482, EPI_ISL_1046483, EPI_ISL_1046484, EPI_ISL_1046485, EPI_ISL_1046486, EPI_ISL_1046487, EPI_ISL_1046488, EPI_ISL_1046489, EPI_ISL_1046490, EPI_ISL_1046492, EPI_ISL_1046493, EPI_ISL_1046494, EPI_ISL_1046496, EPI_ISL_1046497, EPI_ISL_1046498, EPI_ISL_1046499, EPI_ISL_1046500, EPI_ISL_1046501, EPI_ISL_1046502, EPI_ISL_1046503, EPI_ISL_1046505, EPI_ISL_1046506, EPI_ISL_1046509, EPI_ISL_1046511, EPI_ISL_1046512, EPI_ISL_1046540, EPI_ISL_1046543, EPI_ISL_1046545, EPI_ISL_1046555, EPI_ISL_1046576, EPI_ISL_1046579, EPI_ISL_1046589, EPI_ISL_1046591, EPI_ISL_1046600, EPI_ISL_1046608, EPI_ISL_1046610, EPI_ISL_1046613, EPI_ISL_1046616, EPI_ISL_1046617, EPI_ISL_1046621, EPI_ISL_1046625, EPI_ISL_1046627, EPI_ISL_1046630, EPI_ISL_1046634, EPI_ISL_1046637, EPI_ISL_1046678, EPI_ISL_1046681, EPI_ISL_1046684, EPI_ISL_1046686, EPI_ISL_1046690, EPI_ISL_1046692, EPI_ISL_1046697, EPI_ISL_1046699, EPI_ISL_1046702, EPI_ISL_1046705, EPI_ISL_1046713, EPI_ISL_1046716, EPI_ISL_1046721, EPI_ISL_1046729, EPI_ISL_1046731, EPI_ISL_1046732, EPI_ISL_1046738, EPI_ISL_1046739, EPI_ISL_1046745, EPI_ISL_1046753, EPI_ISL_1046757	see above	Randox Laboratories	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Randox Laboratories and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1047000, EPI_ISL_1047002, EPI_ISL_1047003, EPI_ISL_1047006, EPI_ISL_1047010, EPI_ISL_1047013, EPI_ISL_1047031, EPI_ISL_1047038	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_1047804, EPI_ISL_1047805, EPI_ISL_1047806, EPI_ISL_1047807, EPI_ISL_1047808, EPI_ISL_1047809, EPI_ISL_1047810, EPI_ISL_1047811, EPI_ISL_1047812, EPI_ISL_1047813, EPI_ISL_1047814, EPI_ISL_1047815, EPI_ISL_1047816, EPI_ISL_1047817, EPI_ISL_1047818, EPI_ISL_1047819, EPI_ISL_1047820, EPI_ISL_1047821, EPI_ISL_1047823, EPI_ISL_1047824, EPI_ISL_1047833	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
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EPI_ISL_1050219, EPI_ISL_1050220, EPI_ISL_1050222	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_1050293, EPI_ISL_1050294, EPI_ISL_1050295, EPI_ISL_1050300, EPI_ISL_1050301, EPI_ISL_1050302, EPI_ISL_1050303	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
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EPI_ISL_1050607, EPI_ISL_1050608, EPI_ISL_1050609	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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EPI_ISL_1050615, EPI_ISL_1050616, EPI_ISL_1050617, EPI_ISL_1050618	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, 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	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_1050676, EPI_ISL_1050677, EPI_ISL_1050678, EPI_ISL_1050679, EPI_ISL_1050680, EPI_ISL_1050681, EPI_ISL_1050682, EPI_ISL_1050683, EPI_ISL_1050684	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	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_1050723, EPI_ISL_1050724, EPI_ISL_1050725, EPI_ISL_1050726, EPI_ISL_1050727, EPI_ISL_1050728, EPI_ISL_1050729, EPI_ISL_1050730, EPI_ISL_1050731, EPI_ISL_1050732, EPI_ISL_1050733, EPI_ISL_1050734, EPI_ISL_1050735, EPI_ISL_1050736, EPI_ISL_1050737, EPI_ISL_1050738, EPI_ISL_1050739, EPI_ISL_1050740, EPI_ISL_1050741, EPI_ISL_1050742, EPI_ISL_1050743, EPI_ISL_1050744, EPI_ISL_1050745, EPI_ISL_1050746, EPI_ISL_1050747			
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	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_1051590	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	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
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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_1053851, EPI_ISL_1053852, EPI_ISL_1053856, EPI_ISL_1053857, EPI_ISL_1053932	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_1054051, EPI_ISL_1054121, EPI_ISL_1054123, EPI_ISL_1054127	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_1054141, EPI_ISL_1054233, EPI_ISL_1054241, EPI_ISL_1054250, EPI_ISL_1054254	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusri Taha, Gary Eltringham
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see above	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	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_1054826, EPI_ISL_1054827, EPI_ISL_1054828, EPI_ISL_1054829, EPI_ISL_1054831	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_1103757	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_1103884, EPI_ISL_1103888, EPI_ISL_1103890, EPI_ISL_1103945	Department of Pathology, University of Cambridge	COVID-19 Genomics UK (COG-UK) Consortium	Aminu S. Jahun, Yasmin Chaudhry, Iliana Georgana, Myra Hosmillo, Rhys Izuagbe, William L. Hamilton, Martin D. Curran, Surendra Parmar, Ian Goodfellow
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see above	Northumbria University / South Tees Hospitals NHS Foundation Trust / North Cumbria Integrated Care NHS Foundation Trust / North Tees and Hartlepool NHS Foundation Trust / Newcastle Hospitals NHS Foundation Trust	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusri Taha, Gary Eltringham
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see above	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_1104500, EPI_ISL_1104501, EPI_ISL_1104505	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jennifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olatelu, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
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see above	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_1105467	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	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_1106646, EPI_ISL_1106647	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_1107632, EPI_ISL_1107655, EPI_ISL_1107656, EPI_ISL_1107657, EPI_ISL_1107658, EPI_ISL_1107659, EPI_ISL_1107660, EPI_ISL_1107661, EPI_ISL_1107662	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_1108957, EPI_ISL_1108960, EPI_ISL_1108961, EPI_ISL_1108962, EPI_ISL_1108963, EPI_ISL_1108964, EPI_ISL_1108965, EPI_ISL_1108966, EPI_ISL_1108967, EPI_ISL_1108968, EPI_ISL_1108969, EPI_ISL_1108971, EPI_ISL_1108973, EPI_ISL_1108974, EPI_ISL_1108975, EPI_ISL_1108976, EPI_ISL_1108977, EPI_ISL_1108978, EPI_ISL_1108979, EPI_ISL_1108980, EPI_ISL_1108981, EPI_ISL_1108982, EPI_ISL_1108984, EPI_ISL_1108985, EPI_ISL_1108986, EPI_ISL_1108987, EPI_ISL_1108988, EPI_ISL_1108989, EPI_ISL_1108990, EPI_ISL_1108991, EPI_ISL_1108992, EPI_ISL_1108993, EPI_ISL_1108994, EPI_ISL_1108995, EPI_ISL_1108996, EPI_ISL_1108997, EPI_ISL_1108998, EPI_ISL_1108999, EPI_ISL_1109000, EPI_ISL_1109001, EPI_ISL_1109002, EPI_ISL_1109003, EPI_ISL_1109004, EPI_ISL_1109005, EPI_ISL_1109006, EPI_ISL_1109007, EPI_ISL_1109008, EPI_ISL_1109009, EPI_ISL_1109010, EPI_ISL_1109011, EPI_ISL_1109012, EPI_ISL_1109014, EPI_ISL_1109015, EPI_ISL_1109016, EPI_ISL_1109017, EPI_ISL_1109018, EPI_ISL_1109019, EPI_ISL_1109020, EPI_ISL_1109021, EPI_ISL_1109022, EPI_ISL_1109023, EPI_ISL_1109026, EPI_ISL_1109028, EPI_ISL_1109030, EPI_ISL_1109032, EPI_ISL_1109035, EPI_ISL_1109037, EPI_ISL_1109042, EPI_ISL_1109043, EPI_ISL_1109044			

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_1177709, EPI_ISL_1177710, EPI_ISL_1177720, EPI_ISL_1177721	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_1177891, EPI_ISL_1177892	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_1178148, EPI_ISL_1178149	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_1178433, EPI_ISL_1178434, EPI_ISL_1178436, EPI_ISL_1178437, EPI_ISL_1178444, EPI_ISL_1178448, EPI_ISL_1178450, EPI_ISL_1178451	see above	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_1178854	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_1179828, EPI_ISL_1179829	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_1179891, EPI_ISL_1179892, EPI_ISL_1179893, EPI_ISL_1179894, EPI_ISL_1179895, EPI_ISL_1179896, EPI_ISL_1179897, EPI_ISL_1179898, EPI_ISL_1179899, EPI_ISL_1179900, EPI_ISL_1179901, EPI_ISL_1179902, EPI_ISL_1179903, EPI_ISL_1179904, EPI_ISL_1179905, EPI_ISL_1179906, EPI_ISL_1179907, EPI_ISL_1179908, EPI_ISL_1179909, EPI_ISL_1179910, EPI_ISL_1179912, EPI_ISL_1179913, EPI_ISL_1179914, EPI_ISL_1179915, EPI_ISL_1179916, EPI_ISL_1179917, EPI_ISL_1179918, EPI_ISL_1179919, EPI_ISL_1179920, EPI_ISL_1179921, EPI_ISL_1179922, EPI_ISL_1179923, EPI_ISL_1179924, EPI_ISL_1179925, EPI_ISL_1179926, EPI_ISL_1179927, EPI_ISL_1179928, EPI_ISL_1179929, EPI_ISL_1179930, EPI_ISL_1179931, EPI_ISL_1179932, EPI_ISL_1179934, EPI_ISL_1179937, EPI_ISL_1179938, EPI_ISL_1179939, EPI_ISL_1179940, EPI_ISL_1179941, EPI_ISL_1179942, EPI_ISL_1179943, EPI_ISL_1179944, EPI_ISL_1179945, EPI_ISL_1179946, EPI_ISL_1179947, EPI_ISL_1179948, EPI_ISL_1179949, EPI_ISL_1179950, EPI_ISL_1179954, EPI_ISL_1179965, EPI_ISL_1179966, EPI_ISL_1179967, EPI_ISL_1179968, EPI_ISL_1179969, EPI_ISL_1179970, EPI_ISL_1179971, EPI_ISL_1179972, EPI_ISL_1179973, EPI_ISL_1179974, EPI_ISL_1179979, EPI_ISL_1179980, EPI_ISL_1179981, EPI_ISL_1179982, EPI_ISL_1179984, EPI_ISL_1179985, EPI_ISL_1179986, EPI_ISL_1179987, EPI_ISL_1179988, EPI_ISL_1179989, EPI_ISL_1179997, EPI_ISL_1179998, EPI_ISL_1179999, EPI_ISL_1180000, EPI_ISL_1180001, EPI_ISL_1180002, EPI_ISL_1180003, EPI_ISL_1180004, EPI_ISL_1180005, EPI_ISL_1180006, EPI_ISL_1180007, EPI_ISL_1180008, EPI_ISL_1180009, EPI_ISL_1180010, EPI_ISL_1180011, EPI_ISL_1180012, EPI_ISL_1180013, EPI_ISL_1180014, EPI_ISL_1180015, EPI_ISL_1180016, EPI_ISL_1180018, EPI_ISL_1180019, EPI_ISL_1180020, EPI_ISL_1180021, EPI_ISL_1180022, EPI_ISL_1180029, EPI_ISL_1180030, EPI_ISL_1180031, EPI_ISL_1180032, EPI_ISL_1180033, EPI_ISL_1180034, EPI_ISL_1180035, EPI_ISL_1180036, EPI_ISL_1180037, EPI_ISL_1180038, EPI_ISL_1180039, EPI_ISL_1180040, EPI_ISL_1180041, EPI_ISL_1180042, EPI_ISL_1180043, EPI_ISL_1180044, EPI_ISL_1180045, EPI_ISL_1180046, EPI_ISL_1180047, EPI_ISL_1180048, EPI_ISL_1180049, EPI_ISL_1180050, EPI_ISL_1180051, EPI_ISL_1180052	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_1180089	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_1224517, EPI_ISL_1224537, EPI_ISL_1224567, EPI_ISL_1224585, EPI_ISL_1224594, EPI_ISL_1224604, EPI_ISL_1224608, EPI_ISL_1224614, EPI_ISL_1224626, EPI_ISL_1224639, EPI_ISL_1224642, EPI_ISL_1224670, EPI_ISL_1224700, EPI_ISL_1224705, EPI_ISL_1242051, EPI_ISL_1242056, EPI_ISL_1242082, EPI_ISL_1242087, EPI_ISL_1242088, EPI_ISL_1242091, EPI_ISL_1242117, EPI_ISL_1242150, EPI_ISL_1242169, EPI_ISL_1242170, EPI_ISL_1242174, EPI_ISL_1242177, EPI_ISL_1242178, EPI_ISL_1242182, EPI_ISL_1242197, EPI_ISL_1242221, EPI_ISL_1242236, EPI_ISL_1242252	see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1247526	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_1247728, EPI_ISL_1247730	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_1247825, EPI_ISL_1247827	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_1248162, EPI_ISL_1248169, EPI_ISL_1248171, EPI_ISL_1248177, EPI_ISL_1248189, EPI_ISL_1248197, EPI_ISL_1248200	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_1248945, EPI_ISL_1248947, EPI_ISL_1248950, EPI_ISL_1248951, EPI_ISL_1248953, EPI_ISL_1248955, EPI_ISL_1248956, EPI_ISL_1248958, EPI_ISL_1248959, EPI_ISL_1248961, EPI_ISL_1248962, EPI_ISL_1248979, EPI_ISL_1248984, EPI_ISL_1248987, EPI_ISL_1248994, EPI_ISL_1248999, EPI_ISL_1249004, EPI_ISL_1249008, EPI_ISL_1249013, EPI_ISL_1249025, EPI_ISL_1249028	see above	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_1249224, EPI_ISL_1249241	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_1250029	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_1296587, EPI_ISL_1296589, EPI_ISL_1296590, EPI_ISL_1296591, EPI_ISL_1296592, EPI_ISL_1296593, EPI_ISL_1296597, EPI_ISL_1296598	Respiratory Virus Unit, National Infection Service, Public Health England	COVID-19 Genomics UK (COG-UK) Consortium	PHE Covid Sequencing Team	
EPI_ISL_1308567, EPI_ISL_1308579, EPI_ISL_1308642	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_1308822, EPI_ISL_1308841	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_1333480	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1387213, EPI_ISL_1387216, EPI_ISL_1387217	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_1449684	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_1474996, EPI_ISL_1474997, EPI_ISL_1474998, EPI_ISL_1475000, EPI_ISL_1475017, EPI_ISL_1475036, EPI_ISL_1475037, EPI_ISL_1475038, EPI_ISL_1475039, EPI_ISL_1475043, EPI_ISL_1475044, EPI_ISL_1475138, EPI_ISL_1475141, EPI_ISL_1475142			
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 Feeoney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley
EPI_ISL_907237	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_924084, EPI_ISL_924101, EPI_ISL_924104, EPI_ISL_924108, EPI_ISL_924119, EPI_ISL_924122, EPI_ISL_924128, EPI_ISL_924148, EPI_ISL_924164, EPI_ISL_924176, EPI_ISL_924196, EPI_ISL_924197, EPI_ISL_924203, EPI_ISL_924215, EPI_ISL_924225, EPI_ISL_924240, EPI_ISL_924245, EPI_ISL_924252, EPI_ISL_924265, EPI_ISL_924274, EPI_ISL_924302, EPI_ISL_924328, EPI_ISL_924332, EPI_ISL_924334, EPI_ISL_924384, EPI_ISL_924389, EPI_ISL_924392, EPI_ISL_924397, EPI_ISL_924406			
see above	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Angyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_944792, EPI_ISL_944793, EPI_ISL_944794, EPI_ISL_944795, EPI_ISL_944796, EPI_ISL_944797, EPI_ISL_944798, EPI_ISL_944800, EPI_ISL_944801, EPI_ISL_944802, EPI_ISL_944803, EPI_ISL_944804, EPI_ISL_944806, EPI_ISL_944807, EPI_ISL_944808, EPI_ISL_944809, EPI_ISL_944810, EPI_ISL_944811, EPI_ISL_944812, EPI_ISL_944813, EPI_ISL_944814, EPI_ISL_944815, EPI_ISL_944816, EPI_ISL_944817, EPI_ISL_944818, EPI_ISL_944819, EPI_ISL_944820, EPI_ISL_944821, EPI_ISL_944822, EPI_ISL_944823, EPI_ISL_944825, EPI_ISL_944826, EPI_ISL_944827, EPI_ISL_944828, EPI_ISL_944829, EPI_ISL_944830, EPI_ISL_944831, EPI_ISL_944832, EPI_ISL_944833, EPI_ISL_944834, EPI_ISL_944835, EPI_ISL_944836, EPI_ISL_944837, EPI_ISL_944838, EPI_ISL_944839, EPI_ISL_944840, EPI_ISL_944841, EPI_ISL_944842, EPI_ISL_944843, EPI_ISL_944845, EPI_ISL_944846, EPI_ISL_944847, EPI_ISL_944848, EPI_ISL_944849, EPI_ISL_944850, EPI_ISL_944851, EPI_ISL_944852, EPI_ISL_944853, EPI_ISL_944854, EPI_ISL_944855, EPI_ISL_944856, EPI_ISL_944857, EPI_ISL_944858, EPI_ISL_944859, EPI_ISL_944860, EPI_ISL_944861, EPI_ISL_944862, EPI_ISL_944863, EPI_ISL_944864, EPI_ISL_944865, EPI_ISL_944866, EPI_ISL_944867, EPI_ISL_944868, EPI_ISL_944869, EPI_ISL_944870, EPI_ISL_944871, EPI_ISL_944872, EPI_ISL_944873, EPI_ISL_944874, EPI_ISL_944875, EPI_ISL_944876, EPI_ISL_944877, EPI_ISL_944878, EPI_ISL_944879, EPI_ISL_944880, EPI_ISL_944881, EPI_ISL_944882, EPI_ISL_944883, EPI_ISL_944884, EPI_ISL_944885, EPI_ISL_944886, EPI_ISL_944887, EPI_ISL_944888, EPI_ISL_944889, EPI_ISL_944890, EPI_ISL_944891, EPI_ISL_944892, EPI_ISL_944893, EPI_ISL_944894, EPI_ISL_944895, EPI_ISL_944896, EPI_ISL_944897, EPI_ISL_944898, EPI_ISL_944899, EPI_ISL_944900, EPI_ISL_944901, EPI_ISL_944902, EPI_ISL_944903, EPI_ISL_944904, EPI_ISL_944905, EPI_ISL_944906, EPI_ISL_944907, EPI_ISL_944909, EPI_ISL_944910, EPI_ISL_944911, EPI_ISL_944912, EPI_ISL_944913, EPI_ISL_944915, EPI_ISL_944916, EPI_ISL_944917, EPI_ISL_944918, EPI_ISL_944919, EPI_ISL_944920, EPI_ISL_944921, EPI_ISL_944922, EPI_ISL_944924, EPI_ISL_944925, EPI_ISL_944926, EPI_ISL_944927, EPI_ISL_944928, EPI_ISL_944929, EPI_ISL_944930, EPI_ISL_944931, EPI_ISL_944932, EPI_ISL_944933, EPI_ISL_944934, EPI_ISL_944935, EPI_ISL_944936, EPI_ISL_944937, EPI_ISL_944938, EPI_ISL_944939, EPI_ISL_944940, EPI_ISL_944941, EPI_ISL_944942, EPI_ISL_944943, EPI_ISL_944944, EPI_ISL_944945, EPI_ISL_944946, EPI_ISL_944947, EPI_ISL_944948, EPI_ISL_944949, EPI_ISL_944950, EPI_ISL_944951, EPI_ISL_944952, EPI_ISL_944954, EPI_ISL_944955, EPI_ISL_944956, EPI_ISL_944957, EPI_ISL_944958, EPI_ISL_944959, EPI_ISL_944960, EPI_ISL_944961, EPI_ISL_944962, EPI_ISL_944963, EPI_ISL_944964, EPI_ISL_944965, EPI_ISL_944966, EPI_ISL_944967, EPI_ISL_944968, EPI_ISL_944969, EPI_ISL_944970, EPI_ISL_944971, EPI_ISL_944972, EPI_ISL_944973, EPI_ISL_944974, EPI_ISL_944975, EPI_ISL_944976, EPI_ISL_944977, EPI_ISL_944978, EPI_ISL_944979, EPI_ISL_944980, EPI_ISL_944981, EPI_ISL_944982, EPI_ISL_944983, EPI_ISL_944984, EPI_ISL_944985, EPI_ISL_944986, EPI_ISL_944987, EPI_ISL_944988, EPI_ISL_944989, EPI_ISL_944990, EPI_ISL_944991, EPI_ISL_944992, EPI_ISL_944993, EPI_ISL_944994, EPI_ISL_944995, EPI_ISL_944996, EPI_ISL_944997, EPI_ISL_944998, EPI_ISL_944999, EPI_ISL_945000, EPI_ISL_945001, EPI_ISL_945002, EPI_ISL_945003, EPI_ISL_945004, EPI_ISL_945005, EPI_ISL_945006, EPI_ISL_945007, EPI_ISL_945008, EPI_ISL_945009, EPI_ISL_945010, EPI_ISL_945011, EPI_ISL_945012, EPI_ISL_945013, EPI_ISL_945014, EPI_ISL_945015, EPI_ISL_945016, EPI_ISL_945017, EPI_ISL_945018, EPI_ISL_945019, EPI_ISL_945020, EPI_ISL_945021, EPI_ISL_945022, EPI_ISL_945024, EPI_ISL_945025, EPI_ISL_945026, EPI_ISL_945027, EPI_ISL_945028, EPI_ISL_945029, EPI_ISL_945030, EPI_ISL_945031, EPI_ISL_945033, EPI_ISL_945035, EPI_ISL_945036, EPI_ISL_945037, EPI_ISL_945038, EPI_ISL_945039, EPI_ISL_945040, EPI_ISL_945041, EPI_ISL_945042, EPI_ISL_945043, EPI_ISL_945044, EPI_ISL_945045, EPI_ISL_945046, EPI_ISL_945047, EPI_ISL_945048			
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_945374, EPI_ISL_945375, EPI_ISL_945376, EPI_ISL_945379, EPI_ISL_945386, EPI_ISL_945387, EPI_ISL_945389, EPI_ISL_945402, EPI_ISL_945408, EPI_ISL_945409, EPI_ISL_945419, EPI_ISL_945420, EPI_ISL_945422, EPI_ISL_945423, EPI_ISL_945444, EPI_ISL_945446, EPI_ISL_945449, EPI_ISL_945458, EPI_ISL_945459, EPI_ISL_945466, EPI_ISL_945467, EPI_ISL_945468, EPI_ISL_945469, EPI_ISL_945475, EPI_ISL_945480, EPI_ISL_945485, EPI_ISL_945490, EPI_ISL_945494, EPI_ISL_945495, EPI_ISL_945498, EPI_ISL_945502, EPI_ISL_945506, EPI_ISL_945508, EPI_ISL_945514, EPI_ISL_945518, EPI_ISL_945522, EPI_ISL_945525, EPI_ISL_945529, EPI_ISL_945538, EPI_ISL_945539, EPI_ISL_945543, EPI_ISL_945545, EPI_ISL_945546, EPI_ISL_945548, EPI_ISL_945549, EPI_ISL_945555, EPI_ISL_945561, EPI_ISL_945563, EPI_ISL_945569, EPI_ISL_945579, EPI_ISL_945582, EPI_ISL_945587, EPI_ISL_945589, EPI_ISL_945591, EPI_ISL_945597, EPI_ISL_945619, EPI_ISL_945621, EPI_ISL_945627, EPI_ISL_945635, EPI_ISL_945636, EPI_ISL_945648, EPI_ISL_945650, EPI_ISL_945656, EPI_ISL_945664, EPI_ISL_945668, EPI_ISL_945672, EPI_ISL_945674, EPI_ISL_945677, EPI_ISL_945678, EPI_ISL_945682, EPI_ISL_945692, EPI_ISL_945696, EPI_ISL_945697, EPI_ISL_945698, EPI_ISL_945701, EPI_ISL_945704			
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_945716, EPI_ISL_945718, EPI_ISL_945722, EPI_ISL_945725, EPI_ISL_945726, EPI_ISL_945728, EPI_ISL_945729, EPI_ISL_945730, EPI_ISL_945732, EPI_ISL_945733, EPI_ISL_945735, EPI_ISL_945736, EPI_ISL_945737, EPI_ISL_945738, EPI_ISL_945741, EPI_ISL_945742, EPI_ISL_945743, EPI_ISL_945744, EPI_ISL_945747, EPI_ISL_945753, EPI_ISL_945755, EPI_ISL_945757, EPI_ISL_945758, EPI_ISL_945759, EPI_ISL_945762, EPI_ISL_945763, EPI_ISL_945768, EPI_ISL_945771, EPI_ISL_945772, EPI_ISL_945776, EPI_ISL_945777, EPI_ISL_945781, EPI_ISL_945782, EPI_ISL_945788, EPI_ISL_945792, EPI_ISL_945795, EPI_ISL_945796, EPI_ISL_945799, EPI_ISL_945800, EPI_ISL_945802, EPI_ISL_945803, EPI_ISL_945804, EPI_ISL_945806, EPI_ISL_945807, EPI_ISL_945808, EPI_ISL_945810, EPI_ISL_945812, EPI_ISL_945816, EPI_ISL_945817, EPI_ISL_945818, EPI_ISL_945821, EPI_ISL_945822, EPI_ISL_945824, EPI_ISL_945826, EPI_ISL_945828, EPI_ISL_945831, EPI_ISL_945835, EPI_ISL_945836, EPI_ISL_945839, EPI_ISL_945841, EPI_ISL_945843, EPI_ISL_945844, EPI_ISL_945846, EPI_ISL_945848, EPI_ISL_945849, EPI_ISL_945851, EPI_ISL_945853, EPI_ISL_945860, EPI_ISL_945862, EPI_ISL_945863, EPI_ISL_945865, EPI_ISL_945867, EPI_ISL_945868, EPI_ISL_945869, EPI_ISL_945870, EPI_ISL_945871, EPI_ISL_945872, EPI_ISL_945873, EPI_ISL_945874, EPI_ISL_945877, EPI_ISL_945878, EPI_ISL_945879, EPI_ISL_945882, EPI_ISL_945884, EPI_ISL_945885, EPI_ISL_945889, EPI_ISL_945895, EPI_ISL_945896, EPI_ISL_945899, EPI_ISL_945900, EPI_ISL_945901, EPI_ISL_945904, EPI_ISL_945906, EPI_ISL_945907, EPI_ISL_945908, EPI_ISL_945909, EPI_ISL_945910, EPI_ISL_945911, EPI_ISL_945914, EPI_ISL_945916, EPI_ISL_945917, EPI_ISL_945918, EPI_ISL_945919, EPI_ISL_945920, EPI_ISL_945921, EPI_ISL_945926, EPI_ISL_945933, EPI_ISL_945935, EPI_ISL_945938, EPI_ISL_945939, EPI_ISL_945940, EPI_ISL_945944, EPI_ISL_945945, EPI_ISL_945950, EPI_ISL_945951, EPI_ISL_945954, EPI_ISL_945956, EPI_ISL_945958, EPI_ISL_945960, EPI_ISL_945961, EPI_ISL_945962, EPI_ISL_945963, EPI_ISL_945965, EPI_ISL_945967, EPI_ISL_945969, EPI_ISL_945970, EPI_ISL_945971, EPI_ISL_945972, EPI_ISL_945976, EPI_ISL_945979, EPI_ISL_945980, EPI_ISL_945983, EPI_ISL_945984, EPI_ISL_945988, EPI_ISL_945990, EPI_ISL_945993, EPI_ISL_945994, EPI_ISL_945997, EPI_ISL_945998, EPI_ISL_945999, EPI_ISL_946000, EPI_ISL_946002, EPI_ISL_946005, EPI_ISL_946006, EPI_ISL_946007, EPI_ISL_946008, EPI_ISL_946009, EPI_ISL_946010, EPI_ISL_946011, EPI_ISL_946014, EPI_ISL_946021, EPI_ISL_946023, EPI_ISL_946026, EPI_ISL_946028, EPI_ISL_946030, EPI_ISL_946033, EPI_ISL_946037, EPI_ISL_946041, EPI_ISL_946048, EPI_ISL_946049, EPI_ISL_946052, EPI_ISL_946055, EPI_ISL_946057, EPI_ISL_946058, EPI_ISL_946059, EPI_ISL_946062, EPI_ISL_946066, EPI_ISL_946067, EPI_ISL_946068, EPI_ISL_946069, EPI_ISL_946070, EPI_ISL_946071, EPI_ISL_946072, EPI_ISL_946073, EPI_ISL_946076, EPI_ISL_946080, EPI_ISL_946086, EPI_ISL_946087, EPI_ISL_946088, EPI_ISL_946090, EPI_ISL_946093, EPI_ISL_946096, EPI_ISL_946106, EPI_ISL_946109, EPI_ISL_946110, EPI_ISL_946112, EPI_ISL_946113, EPI_ISL_946115, EPI_ISL_946123, EPI_ISL_946124, EPI_ISL_946126, EPI_ISL_946127, EPI_ISL_946128, EPI_ISL_946130, EPI_ISL_946131, EPI_ISL_946132, EPI_ISL_946135, EPI_ISL_946137, EPI_ISL_946145, EPI_ISL_946147, EPI_ISL_946149, EPI_ISL_946150, EPI_ISL_946157, EPI_ISL_946160, EPI_ISL_946162, EPI_ISL_946169, EPI_ISL_946173, EPI_ISL_946174, EPI_ISL_946176, EPI_ISL_946177, EPI_ISL_946180, EPI_ISL_946181, EPI_ISL_946182, EPI_ISL_946188, EPI_ISL_946190, EPI_ISL_946192, EPI_ISL_946196, EPI_ISL_946199, EPI_ISL_946202, EPI_ISL_946206, EPI_ISL_946208, EPI_ISL_946210, EPI_ISL_946211, EPI_ISL_946213, EPI_ISL_946215, EPI_ISL_946218, EPI_ISL_946220, EPI_ISL_946221, EPI_ISL_946224, EPI_ISL_946225, EPI_ISL_946227, EPI_ISL_946229, EPI_ISL_946231, EPI_ISL_946232, EPI_ISL_946233, EPI_ISL_946234, EPI_ISL_946243, EPI_ISL_946250, EPI_ISL_946253, EPI_ISL_946254, EPI_ISL_946260, EPI_ISL_946264, EPI_ISL_946270, EPI_ISL_946271, EPI_ISL_946274, EPI_ISL_946281, EPI_ISL_946284, EPI_ISL_946285, EPI_ISL_946286, EPI_ISL_946292, EPI_ISL_946298, EPI_ISL_946301, EPI_ISL_946302, EPI_ISL_946303, EPI_ISL_946304, EPI_ISL_946318, EPI_ISL_946319, EPI_ISL_946326, EPI_ISL_946328, EPI_ISL_946333, EPI_ISL_946335, EPI_ISL_946338, EPI_ISL_946339, EPI_ISL_946351, EPI_ISL_946356, EPI_ISL_946357, EPI_ISL_946360, EPI_ISL_946361, EPI_ISL_946365, EPI_ISL_946366, EPI_ISL_946367, EPI_ISL_946371, EPI_ISL_946374, EPI_ISL_946375, EPI_ISL_946378, EPI_ISL_946379, EPI_ISL_946380, EPI_ISL_946385, EPI_ISL_946391, EPI_ISL_946397, EPI_ISL_946400, EPI_ISL_946405, EPI_ISL_946407, EPI_ISL_946410, EPI_ISL_946431			
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_949405	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_949543, EPI_ISL_949545, EPI_ISL_949547, EPI_ISL_949551, EPI_ISL_949552, EPI_ISL_949557, EPI_ISL_949558, EPI_ISL_949560, EPI_ISL_949561, EPI_ISL_949562, EPI_ISL_949563, EPI_ISL_949564, EPI_ISL_949565, EPI_ISL_949566, EPI_ISL_949567, EPI_ISL_949568, EPI_ISL_949569, EPI_ISL_949571, EPI_ISL_949572, EPI_ISL_949573, EPI_ISL_949574, EPI_ISL_949575, EPI_ISL_949576, EPI_ISL_949577, EPI_ISL_949578, EPI_ISL_949579, EPI_ISL_949580, EPI_ISL_949582, EPI_ISL_949583, EPI_ISL_949584, EPI_ISL_949585, EPI_ISL_949586, EPI_ISL_949587, EPI_ISL_949589, EPI_ISL_949590, EPI_ISL_949591, EPI_ISL_949592, EPI_ISL_949593, EPI_ISL_949594, EPI_ISL_949595, EPI_ISL_949596, EPI_ISL_949597, EPI_ISL_949598, EPI_ISL_949599, EPI_ISL_949600, EPI_ISL_949601, EPI_ISL_949602, EPI_ISL_949603, EPI_ISL_949604, EPI_ISL_949605, EPI_ISL_949606, EPI_ISL_949607			
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_949616, EPI_ISL_949617, EPI_ISL_949619, EPI_ISL_949621, EPI_ISL_949623, EPI_ISL_949625, EPI_ISL_949627	West of Scotland Specialist Virology Centre, NHSGCC / 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 Gunion; Sharif Shaaban, Matthew Holden; Rachel Blacow, Guy Mollat, Kelly Li, James Shepherd, Antonia Ho, Emma Thomson
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see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucacy, 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, James Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson,

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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 Tutili, Paola Niola, Patricia Dyal, Charlotte Williams, Leysa Forrest, Yasmin Panchbhaya, Jacqueline Findlay, Samuel Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer
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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	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusri Taha, Gary Eltringham
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Foundation Trust / Newcastle Hospitals NHS Foundation Trust

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see above
Queens Medical Centre, Clinical Microbiology Department /
DeepSec Nottingham
COVID-19 Genomics UK (COG-UK) Consortium
Gemma Clark, Wendy Smith, Marjoline Khamis, Vicki M Fleming, Michelle M Lister, Hannah Howson-Jewell, Jonathan Ball, Patrick McQuill, Joseph Chappell, Theodoros Soteridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose

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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
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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	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
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[illegible]

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 Gonçalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
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[illegible]

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
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EPI_ISL_957090, EPI_ISL_957094	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
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team

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see above	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Sonia Goncalves, 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_986039	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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_987005, EPI_ISL_987104	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_987638, EPI_ISL_987639, EPI_ISL_987640, EPI_ISL_987641, EPI_ISL_987642, EPI_ISL_987646, EPI_ISL_987648, EPI_ISL_987649, EPI_ISL_987650, EPI_ISL_987653, EPI_ISL_987655, EPI_ISL_987656, EPI_ISL_987657, EPI_ISL_987659, EPI_ISL_987660, EPI_ISL_987662, EPI_ISL_987663, EPI_ISL_987664, EPI_ISL_987666, EPI_ISL_987667, EPI_ISL_987668, EPI_ISL_987670, EPI_ISL_987672, EPI_ISL_987673, EPI_ISL_987674, EPI_ISL_987680, EPI_ISL_987681, EPI_ISL_987682, EPI_ISL_987683, EPI_ISL_987684, EPI_ISL_987686, EPI_ISL_987688, EPI_ISL_987689, EPI_ISL_987691, EPI_ISL_987694, EPI_ISL_987696, EPI_ISL_987698, EPI_ISL_987699, EPI_ISL_987700, EPI_ISL_987701, EPI_ISL_987702, EPI_ISL_987704, EPI_ISL_987705, EPI_ISL_987707, EPI_ISL_987709, EPI_ISL_987710, EPI_ISL_987711, EPI_ISL_987712, EPI_ISL_987713, EPI_ISL_987714, EPI_ISL_987715, EPI_ISL_987716, EPI_ISL_987717, EPI_ISL_987718, EPI_ISL_987720, EPI_ISL_987721, EPI_ISL_987722, EPI_ISL_987725, EPI_ISL_987728, EPI_ISL_987729, EPI_ISL_987730, EPI_ISL_987731, EPI_ISL_987732, EPI_ISL_987733, EPI_ISL_987735, EPI_ISL_987736, EPI_ISL_987738, EPI_ISL_987739, EPI_ISL_987741, EPI_ISL_987742, EPI_ISL_987743, EPI_ISL_987744, EPI_ISL_987745, EPI_ISL_987746, EPI_ISL_987748, EPI_ISL_987750, EPI_ISL_987755, EPI_ISL_987757, EPI_ISL_987761, EPI_ISL_987762, EPI_ISL_987763, EPI_ISL_987764, EPI_ISL_987765, EPI_ISL_987767, EPI_ISL_987768, EPI_ISL_987769, EPI_ISL_987770, EPI_ISL_987771, EPI_ISL_987772, EPI_ISL_987773, EPI_ISL_987775, EPI_ISL_987778, EPI_ISL_987779, EPI_ISL_987782, EPI_ISL_987785, EPI_ISL_987786, EPI_ISL_987788, EPI_ISL_987790, EPI_ISL_987791, EPI_ISL_987795, EPI_ISL_987802, EPI_ISL_987804, EPI_ISL_987806, EPI_ISL_987807, EPI_ISL_987811, EPI_ISL_987812, EPI_ISL_987814, EPI_ISL_987815, EPI_ISL_987816, EPI_ISL_987818, EPI_ISL_987819, EPI_ISL_987822, EPI_ISL_987824, EPI_ISL_987826, EPI_ISL_987827, EPI_ISL_987829, EPI_ISL_987831, EPI_ISL_987836, EPI_ISL_987837, EPI_ISL_987838, EPI_ISL_987841, EPI_ISL_987842, EPI_ISL_987845, EPI_ISL_987846, EPI_ISL_987848, EPI_ISL_987849, EPI_ISL_987851, EPI_ISL_987852, EPI_ISL_987854, EPI_ISL_987855, EPI_ISL_987857, EPI_ISL_987858, EPI_ISL_987859, EPI_ISL_987860, EPI_ISL_987861, EPI_ISL_987862, EPI_ISL_987863, EPI_ISL_987865, EPI_ISL_987866, EPI_ISL_987868, EPI_ISL_987869, EPI_ISL_987870, EPI_ISL_987873, EPI_ISL_987874, EPI_ISL_987876, EPI_ISL_987878, EPI_ISL_987879, EPI_ISL_987883, EPI_ISL_987884, EPI_ISL_987885, EPI_ISL_987886, EPI_ISL_987888, EPI_ISL_987889, EPI_ISL_987890, EPI_ISL_987901, EPI_ISL_987902, EPI_ISL_987903, EPI_ISL_987905, EPI_ISL_987907, EPI_ISL_987909, EPI_ISL_987910, EPI_ISL_987912, EPI_ISL_987913, EPI_ISL_987914, EPI_ISL_987915, EPI_ISL_987917, EPI_ISL_987919, EPI_ISL_987920, EPI_ISL_987923, EPI_ISL_987924, EPI_ISL_987927, EPI_ISL_987938, EPI_ISL_987939, EPI_ISL_987940, EPI_ISL_987941, EPI_ISL_987942, EPI_ISL_987943, EPI_ISL_987946, EPI_ISL_987947, EPI_ISL_987949, EPI_ISL_987950, EPI_ISL_987951, EPI_ISL_987952, EPI_ISL_987954, EPI_ISL_987955, EPI_ISL_987956, EPI_ISL_987957, EPI_ISL_987959, EPI_ISL_987961, EPI_ISL_987963, EPI_ISL_987965, EPI_ISL_987966, EPI_ISL_987967, EPI_ISL_987968, EPI_ISL_987969, EPI_ISL_987970, EPI_ISL_987971, EPI_ISL_987972, EPI_ISL_987973, EPI_ISL_987974, EPI_ISL_987975, EPI_ISL_987977, EPI_ISL_987979, EPI_ISL_987981, EPI_ISL_987984, EPI_ISL_987985, EPI_ISL_987986, EPI_ISL_987987, EPI_ISL_987988, EPI_ISL_987990, EPI_ISL_987991, EPI_ISL_987992, EPI_ISL_987994, EPI_ISL_987995, EPI_ISL_987996, EPI_ISL_987997, EPI_ISL_988001, EPI_ISL_988002, EPI_ISL_988004, EPI_ISL_988005, EPI_ISL_988006, EPI_ISL_988008, EPI_ISL_988010, EPI_ISL_988257			
see above	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_988486, EPI_ISL_988495, EPI_ISL_988504, EPI_ISL_988515, EPI_ISL_988516, EPI_ISL_988517, EPI_ISL_988537, EPI_ISL_988538, EPI_ISL_988552, EPI_ISL_988554, EPI_ISL_988555, EPI_ISL_988558, EPI_ISL_988564, EPI_ISL_988576, EPI_ISL_988589, EPI_ISL_988592, EPI_ISL_988600, EPI_ISL_988604, EPI_ISL_988623, EPI_ISL_988631, EPI_ISL_988640, EPI_ISL_988646, EPI_ISL_988651, EPI_ISL_988685			
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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_989064, EPI_ISL_989229	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_989246	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_989449, EPI_ISL_989450, EPI_ISL_989451, EPI_ISL_989452, EPI_ISL_989453, EPI_ISL_989454, EPI_ISL_989455, EPI_ISL_989456, EPI_ISL_989457, EPI_ISL_989458, EPI_ISL_989459, EPI_ISL_989460, EPI_ISL_989461, EPI_ISL_989462, EPI_ISL_989463, EPI_ISL_989464, EPI_ISL_989465, EPI_ISL_989466, EPI_ISL_989467, EPI_ISL_989468, EPI_ISL_989469, EPI_ISL_989470, EPI_ISL_989471, EPI_ISL_989472, EPI_ISL_989473, EPI_ISL_989474, EPI_ISL_989475, EPI_ISL_989476, EPI_ISL_989477, EPI_ISL_989478, EPI_ISL_989479, EPI_ISL_989480, EPI_ISL_989481			
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)
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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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_989831	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 (http://www.sanger.ac.uk/covid-team)
EPI_ISL_989844	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)
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see above	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
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see above	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Sonia Goncalves, 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_996407, EPI_ISL_996442, EPI_ISL_996443, EPI_ISL_996464, EPI_ISL_996465, EPI_ISL_996466, EPI_ISL_996467, EPI_ISL_996471, EPI_ISL_996472, EPI_ISL_996473, EPI_ISL_996474			
see above	University of Birmingham	COVID-19 Genomics UK (COG-UK) Consortium	Institute of Microbiology, University of Birmingham: Claire McMurray, Joanne Stockton, Samuel Nicholls, Radoslaw Poplawski, Will Rowe, Josh Quick, Nicholas Loman. University of Birmingham Testing Laboratory: Celina M Whalley, Andrew Bosworth, Charlotte Poxon, Kasun Wanigasooriya, Oliver Pickles, Mike Kidd

EPI_ISL_996561, EPI_ISL_996562, EPI_ISL_996563, EPI_ISL_996567	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_996632, EPI_ISL_996633, EPI_ISL_996634, EPI_ISL_996635, EPI_ISL_996636, EPI_ISL_996701, EPI_ISL_996711			
EPI_ISL_997068, EPI_ISL_997069	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_997104, EPI_ISL_997105, EPI_ISL_997107, EPI_ISL_997108, EPI_ISL_997126, EPI_ISL_997128, EPI_ISL_997129, EPI_ISL_997130, EPI_ISL_997131, EPI_ISL_997164	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_997180, EPI_ISL_997181, EPI_ISL_997182, EPI_ISL_997183, EPI_ISL_997185, EPI_ISL_997188, EPI_ISL_997189, EPI_ISL_997190, EPI_ISL_997191, EPI_ISL_997192, EPI_ISL_997193, EPI_ISL_997194, EPI_ISL_997195, EPI_ISL_997196, EPI_ISL_997197, EPI_ISL_997198, EPI_ISL_997199, EPI_ISL_997200, EPI_ISL_997202, EPI_ISL_997203, EPI_ISL_997204, EPI_ISL_997205, EPI_ISL_997207, EPI_ISL_997208, EPI_ISL_997286, EPI_ISL_997287, EPI_ISL_997339			
see above	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Ben Temperton, Aaron Jeffries, Michelle Michelsen, Joanna Warwick-Dugdale, Audrey Farbos, Robyn Manley, Stephen Michell, Jane Masoli
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see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Varnos, Joanne Watts, Mark Whitehead
EPI_ISL_997657, EPI_ISL_997658, EPI_ISL_997659, EPI_ISL_997660, EPI_ISL_997665, EPI_ISL_997672	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_997833, EPI_ISL_997882, EPI_ISL_997883, EPI_ISL_997884, EPI_ISL_997885, EPI_ISL_997886, EPI_ISL_997888, EPI_ISL_997889, EPI_ISL_997897, EPI_ISL_997898, EPI_ISL_997899, EPI_ISL_997900, EPI_ISL_997902, EPI_ISL_997903, EPI_ISL_997910, EPI_ISL_997911, EPI_ISL_997912, EPI_ISL_997913, EPI_ISL_997914, EPI_ISL_997915, EPI_ISL_997917, EPI_ISL_997919, EPI_ISL_997920, EPI_ISL_997921, EPI_ISL_997924, EPI_ISL_997925, EPI_ISL_997926, EPI_ISL_998012, EPI_ISL_998013, EPI_ISL_998014, EPI_ISL_998015, EPI_ISL_998016, EPI_ISL_998017, EPI_ISL_998018, EPI_ISL_998019, EPI_ISL_998020, EPI_ISL_998021, EPI_ISL_998022, EPI_ISL_998023, EPI_ISL_998024, EPI_ISL_998025, EPI_ISL_998026, EPI_ISL_998027, EPI_ISL_998028, EPI_ISL_998029, EPI_ISL_998030, EPI_ISL_998031, EPI_ISL_998032, EPI_ISL_998033, EPI_ISL_998034, EPI_ISL_998035, EPI_ISL_998036, EPI_ISL_998037, EPI_ISL_998038, EPI_ISL_998039, EPI_ISL_998040, EPI_ISL_998041, EPI_ISL_998042, EPI_ISL_998043, EPI_ISL_998044, EPI_ISL_998045, EPI_ISL_998046, EPI_ISL_998047, EPI_ISL_998048, EPI_ISL_998049, EPI_ISL_998050, EPI_ISL_998051, EPI_ISL_998052, EPI_ISL_998053, EPI_ISL_998054, EPI_ISL_998055, EPI_ISL_998056, EPI_ISL_998057, EPI_ISL_998058, EPI_ISL_998059, EPI_ISL_998060, EPI_ISL_998061, EPI_ISL_998062, EPI_ISL_998063, EPI_ISL_998064, EPI_ISL_998065, EPI_ISL_998066, EPI_ISL_998067, EPI_ISL_998068, EPI_ISL_998069, EPI_ISL_998070, EPI_ISL_998071, EPI_ISL_998072, EPI_ISL_998073, EPI_ISL_998074, EPI_ISL_998075, EPI_ISL_998076, EPI_ISL_998077, EPI_ISL_998078, EPI_ISL_998079, EPI_ISL_998080, EPI_ISL_998081, EPI_ISL_998082, EPI_ISL_998083, EPI_ISL_998084, EPI_ISL_998085, EPI_ISL_998086, EPI_ISL_998087, EPI_ISL_998088, EPI_ISL_998089, EPI_ISL_998090, EPI_ISL_998091, EPI_ISL_998092, EPI_ISL_998093, EPI_ISL_998094, EPI_ISL_998095, EPI_ISL_998096, EPI_ISL_998097, EPI_ISL_998098			
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_998232, EPI_ISL_998299, EPI_ISL_998300, EPI_ISL_998301, EPI_ISL_998303	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_998566, EPI_ISL_998567, EPI_ISL_998568, EPI_ISL_998569, EPI_ISL_998570, EPI_ISL_998571	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_998808, EPI_ISL_998819, EPI_ISL_998845, EPI_ISL_998848, EPI_ISL_998862, EPI_ISL_998863, EPI_ISL_998866	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_998997, EPI_ISL_998999, EPI_ISL_999000, EPI_ISL_999328	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
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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