

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

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

Authors are sorted alphabetically.

Accession ID	Originating Laboratory	Submitting Laboratory	Authors
EPI_ISL_1000240, EPI_ISL_1000242, EPI_ISL_1000243, EPI_ISL_1000257, EPI_ISL_1000260, EPI_ISL_1000262, EPI_ISL_1000267, EPI_ISL_1000269, EPI_ISL_1000271, EPI_ISL_1000273, EPI_ISL_1000281, EPI_ISL_1000282, EPI_ISL_1000292, EPI_ISL_1000302, EPI_ISL_1000308, EPI_ISL_1000314, EPI_ISL_1000456, EPI_ISL_1000457, EPI_ISL_1000458, EPI_ISL_1000459, EPI_ISL_1000460, EPI_ISL_1000482, EPI_ISL_1000483, EPI_ISL_1000601, EPI_ISL_1000605, EPI_ISL_1000606, EPI_ISL_1000607, EPI_ISL_1000608, EPI_ISL_1000610, EPI_ISL_1000618, EPI_ISL_1000619, EPI_ISL_1000620, EPI_ISL_1000621, EPI_ISL_1000622, EPI_ISL_1000623, EPI_ISL_1000624, EPI_ISL_1000625, EPI_ISL_1000627			
see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1000763, EPI_ISL_1000787	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Agyal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1000806, EPI_ISL_1000808, EPI_ISL_1000816, EPI_ISL_1000819, EPI_ISL_1000822, EPI_ISL_1000826, EPI_ISL_1000832, EPI_ISL_1000833, EPI_ISL_1000834, EPI_ISL_1000835, EPI_ISL_1000836, EPI_ISL_1000837, EPI_ISL_1000845, EPI_ISL_1000964			
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_1006341, EPI_ISL_1006344, EPI_ISL_1006345, EPI_ISL_1006348, EPI_ISL_1006354, EPI_ISL_1006357, EPI_ISL_1006358, EPI_ISL_1006365, EPI_ISL_1006366, EPI_ISL_1006367, EPI_ISL_1006373, EPI_ISL_1006374, EPI_ISL_1006378, EPI_ISL_1006385, EPI_ISL_1006387, EPI_ISL_1006390, EPI_ISL_1006391, EPI_ISL_1006395, EPI_ISL_1006399, EPI_ISL_1006409, EPI_ISL_1006412, EPI_ISL_1006422, EPI_ISL_1006423, EPI_ISL_1006426, EPI_ISL_1006428, EPI_ISL_1006435, EPI_ISL_1006438, EPI_ISL_1006439, EPI_ISL_1006445, EPI_ISL_1006453, EPI_ISL_1006456, EPI_ISL_1006457, EPI_ISL_1006458, EPI_ISL_1006467, EPI_ISL_1006471, EPI_ISL_1006474, EPI_ISL_1006475, EPI_ISL_1006476, EPI_ISL_1006477, EPI_ISL_1006479, EPI_ISL_1006482, EPI_ISL_1006488, EPI_ISL_1006489, EPI_ISL_1006490, EPI_ISL_1006501, EPI_ISL_1006511, EPI_ISL_1006516, EPI_ISL_1006521, EPI_ISL_1006529, EPI_ISL_1006530, EPI_ISL_1006533, EPI_ISL_1006535, EPI_ISL_1006538			
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_1007549, EPI_ISL_1007550, EPI_ISL_1007551, EPI_ISL_1007552, EPI_ISL_1007553, EPI_ISL_1007554, EPI_ISL_1007555, EPI_ISL_1007556, EPI_ISL_1007557, EPI_ISL_1007558, EPI_ISL_1007559, EPI_ISL_1007560			
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_1007561, EPI_ISL_1007562	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_1007563, EPI_ISL_1012713, EPI_ISL_1012714, EPI_ISL_1012715, EPI_ISL_1012716, EPI_ISL_1012717, EPI_ISL_1012718, EPI_ISL_1012719, EPI_ISL_1012720, EPI_ISL_1012721, EPI_ISL_1012722, EPI_ISL_1012723, EPI_ISL_1012724, EPI_ISL_1012725, EPI_ISL_1012726, EPI_ISL_1012727, EPI_ISL_1012728, EPI_ISL_1012729, EPI_ISL_1012730, EPI_ISL_1012731, EPI_ISL_1012732, EPI_ISL_1012733, EPI_ISL_1012734, EPI_ISL_1012735, EPI_ISL_1012736, EPI_ISL_1012737, EPI_ISL_1012738, EPI_ISL_1012739, EPI_ISL_1012740, EPI_ISL_1012742, EPI_ISL_1012743, EPI_ISL_1012744, EPI_ISL_1012745, EPI_ISL_1012746, EPI_ISL_1012747, EPI_ISL_1012748, EPI_ISL_1012749, EPI_ISL_1012750, EPI_ISL_1012751, EPI_ISL_1012752, EPI_ISL_1012753, EPI_ISL_1012755, EPI_ISL_1012756, EPI_ISL_1012757, EPI_ISL_1012758, EPI_ISL_1012759, EPI_ISL_1012760, EPI_ISL_1012761, EPI_ISL_1012762, EPI_ISL_1012763, EPI_ISL_1012764, EPI_ISL_1012765, EPI_ISL_1012766, EPI_ISL_1012767, EPI_ISL_1012768, EPI_ISL_1012769, EPI_ISL_1012770, EPI_ISL_1012771, EPI_ISL_1012772, EPI_ISL_1012773, EPI_ISL_1012774, EPI_ISL_1012775, EPI_ISL_1012776, EPI_ISL_1012777, EPI_ISL_1012778, EPI_ISL_1012779, EPI_ISL_1012780, EPI_ISL_1012781, EPI_ISL_1012782, EPI_ISL_1012783, EPI_ISL_1012784, EPI_ISL_1012785, EPI_ISL_1012786			
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_1019587, EPI_ISL_1019588, EPI_ISL_1019589, EPI_ISL_1019590, EPI_ISL_1019591, EPI_ISL_1019592, EPI_ISL_1019593, EPI_ISL_1019594, EPI_ISL_1019595, EPI_ISL_1019596, EPI_ISL_1019597, EPI_ISL_1019598, EPI_ISL_1019599, EPI_ISL_1019600, EPI_ISL_1019601, EPI_ISL_1019602, EPI_ISL_1019603, EPI_ISL_1019604, EPI_ISL_1019605, EPI_ISL_1019606, EPI_ISL_1019607, EPI_ISL_1019609, EPI_ISL_1019610, EPI_ISL_1019611, EPI_ISL_1019612, EPI_ISL_1019613, EPI_ISL_1019614, EPI_ISL_1019616, EPI_ISL_1019617, EPI_ISL_1019618, EPI_ISL_1019619, EPI_ISL_1019620, EPI_ISL_1019621, EPI_ISL_1019622, EPI_ISL_1019623, EPI_ISL_1019624, EPI_ISL_1019625, EPI_ISL_1019626, EPI_ISL_1019627, EPI_ISL_1019628, EPI_ISL_1019629, EPI_ISL_1019630, EPI_ISL_1019631, EPI_ISL_1019632, EPI_ISL_1019633, EPI_ISL_1019634, EPI_ISL_1019635, EPI_ISL_1019636, EPI_ISL_1019637, EPI_ISL_1019638, EPI_ISL_1019639, EPI_ISL_1019640, EPI_ISL_1019641, EPI_ISL_1019642, EPI_ISL_1019643, EPI_ISL_1019644, EPI_ISL_1019645, EPI_ISL_1019646, EPI_ISL_1019647, EPI_ISL_1019648, EPI_ISL_1019649, EPI_ISL_1019651, EPI_ISL_1019652, EPI_ISL_1019654, EPI_ISL_1019655, EPI_ISL_1019656, EPI_ISL_1019657, EPI_ISL_1019659, EPI_ISL_1019661, EPI_ISL_1019662, EPI_ISL_1019664, EPI_ISL_1019665, EPI_ISL_1019666, EPI_ISL_1019667, EPI_ISL_1019668, EPI_ISL_1019669, EPI_ISL_1019670, EPI_ISL_1019671, EPI_ISL_1019672, EPI_ISL_1019673, EPI_ISL_1019674, EPI_ISL_1019675, EPI_ISL_1019676, EPI_ISL_1019677, EPI_ISL_1019678, EPI_ISL_1019679, EPI_ISL_1019701, EPI_ISL_1019702, EPI_ISL_1019703, EPI_ISL_1019704, EPI_ISL_1019705, EPI_ISL_1019706, EPI_ISL_1019707, EPI_ISL_1019708, EPI_ISL_1019709, EPI_ISL_1019712, EPI_ISL_1019714, EPI_ISL_1019716, EPI_ISL_1019717, EPI_ISL_1019719, EPI_ISL_1019721, EPI_ISL_1019723, EPI_ISL_1019725, EPI_ISL_1019727, EPI_ISL_1019728, EPI_ISL_1019733, EPI_ISL_1019735, EPI_ISL_1019736, EPI_ISL_1019738, EPI_ISL_1019740, EPI_ISL_1019743, EPI_ISL_1019746, EPI_ISL_1019749, EPI_ISL_1019751, EPI_ISL_1019752, EPI_ISL_1019755, EPI_ISL_1019757, EPI_ISL_1019758, EPI_ISL_1019760, EPI_ISL_1019761, EPI_ISL_1019763, EPI_ISL_1019765, EPI_ISL_1019766, EPI_ISL_1019768, EPI_ISL_1019769, EPI_ISL_1019771, EPI_ISL_1019773, EPI_ISL_1019774, EPI_ISL_1019776, EPI_ISL_1019777, EPI_ISL_1019779			
see above	Lighthouse Lab in Glasgow	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Harper VanSteenhouse, Yumi Kasai, David Gray, Carol Clugston, Anna Dominiczak and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1043899, EPI_ISL_1043900, EPI_ISL_1043902, EPI_ISL_1043903, EPI_ISL_1043904, EPI_ISL_1043905, EPI_ISL_1043906, EPI_ISL_1043907, EPI_ISL_1043908, EPI_ISL_1043909, EPI_ISL_1043910, EPI_ISL_1043911, EPI_ISL_1043912, EPI_ISL_1043913, EPI_ISL_1043914, EPI_ISL_1043915, EPI_ISL_1043916, EPI_ISL_1043917, EPI_ISL_1043918, EPI_ISL_1043919, EPI_ISL_1043920, EPI_ISL_1043921, EPI_ISL_1043922, EPI_ISL_1043923, EPI_ISL_1043924, EPI_ISL_1043925, EPI_ISL_1043926, EPI_ISL_1043927, EPI_ISL_1043928, EPI_ISL_1043929, EPI_ISL_1043930, EPI_ISL_1043931, EPI_ISL_1043932, EPI_ISL_1043933, EPI_ISL_1043934, EPI_ISL_1043935, EPI_ISL_1043936, EPI_ISL_1043937, EPI_ISL_1043938, EPI_ISL_1043939, EPI_ISL_1043940, EPI_ISL_1043941, EPI_ISL_1043942, EPI_ISL_1043943, EPI_ISL_1043944, EPI_ISL_1043945, EPI_ISL_1043946, EPI_ISL_1043947, EPI_ISL_1043948, EPI_ISL_1043949, EPI_ISL_1043950, EPI_ISL_1043951, EPI_ISL_1043952, EPI_ISL_1043953, EPI_ISL_1043954, EPI_ISL_1043955, EPI_ISL_1043956, EPI_ISL_1043957, EPI_ISL_1043958, EPI_ISL_1043959, EPI_ISL_1043960, EPI_ISL_1043961, EPI_ISL_1043962, EPI_ISL_1043963, EPI_ISL_1043964, EPI_ISL_1043965, EPI_ISL_1043966, EPI_ISL_1043967, EPI_ISL_1043968, EPI_ISL_1043969, EPI_ISL_1043970, EPI_ISL_1043971, EPI_ISL_1043972, EPI_ISL_1043973, EPI_ISL_1043974, EPI_ISL_1043975, EPI_ISL_1043976, EPI_ISL_1043977, EPI_ISL_1043978, EPI_ISL_1043979, EPI_ISL_1043980, EPI_ISL_1043981, EPI_ISL_1043982, EPI_ISL_1043983, EPI_ISL_1043984, EPI_ISL_1043985, EPI_ISL_1043986, EPI_ISL_1043987, EPI_ISL_1043988, EPI_ISL_1043989, EPI_ISL_1043990, EPI_ISL_1043991, EPI_ISL_1043992, EPI_ISL_1043993, EPI_ISL_1043994, EPI_ISL_1043995, EPI_ISL_1043996, EPI_ISL_1043997, EPI_ISL_1043998, EPI_ISL_1043999, EPI_ISL_1044000, EPI_ISL_1044001, EPI_ISL_1044002, EPI_ISL_1044003, EPI_ISL_1044004, EPI_ISL_1044005, EPI_ISL_1044006, EPI_ISL_1044007, EPI_ISL_1044008, EPI_ISL_1044009, EPI_ISL_1044010, EPI_ISL_1044011, EPI_ISL_1044012, EPI_ISL_1044013, EPI_ISL_1044014, EPI_ISL_1044015, EPI_ISL_1044016, EPI_ISL_1044017, EPI_ISL_1044018, EPI_ISL_1044019, EPI_ISL_1044020, EPI_ISL_1044021, EPI_ISL_1044022, EPI_ISL_1044023, EPI_ISL_1044024, EPI_ISL_1044025, EPI_ISL_1044026, EPI_ISL_1044027, EPI_ISL_1044028, EPI_ISL_1044029, EPI_ISL_1044030, EPI_ISL_1044031, EPI_ISL_1044032, EPI_ISL_1044033, EPI_ISL_1044034, EPI_ISL_1044035, EPI_ISL_1044036, EPI_ISL_1044037, EPI_ISL_1044038, EPI_ISL_1044039, EPI_ISL_1044040, EPI_ISL_1044041, EPI_ISL_1044042, EPI_ISL_1044043, EPI_ISL_1044044, EPI_ISL_1044045, EPI_ISL_1044046, EPI_ISL_1044047, EPI_ISL_1044048, EPI_ISL_1044049, EPI_ISL_1044050, EPI_ISL_1044051, EPI_ISL_1044052, EPI_ISL_1044053, EPI_ISL_1044054, EPI_ISL_1044055, EPI_ISL_1044056, EPI_ISL_1044057, EPI_ISL_1044058, EPI_ISL_1044059, EPI_ISL_1044060, EPI_ISL_1044061, EPI_ISL_1044062, EPI_ISL_1044063, EPI_ISL_1044064, EPI_ISL_1044065, EPI_ISL_1044066, EPI_ISL_1044067, EPI_ISL_1044068, EPI_ISL_1044069, EPI_ISL_1044070, EPI_ISL_1044071, EPI_ISL_1044072, EPI_ISL_1044073, EPI_ISL_1044074, EPI_ISL_1044075, EPI_ISL_1044076, EPI_ISL_1044077, EPI_ISL_1044078, EPI_ISL_1044079, EPI_ISL_1044080, EPI_ISL_1044081, EPI_ISL_1044082, EPI_ISL_1044083, EPI_ISL_1044084, EPI_ISL_1044085, EPI_ISL_1044086, EPI_ISL_1044087, EPI_ISL_1044088, EPI_ISL_1044089, EPI_ISL_1044090, EPI_ISL_1044091, EPI_ISL_1044092, EPI_ISL_1044093, EPI_ISL_1044094, EPI_ISL_1044095, EPI_ISL_1044096, EPI_ISL_1044097, EPI_ISL_1044098, EPI_ISL_1044099, EPI_ISL_1044100, EPI_ISL_1044101, EPI_ISL_1044102, EPI_ISL_1044103, EPI_ISL_1044104, EPI_ISL_1044105, EPI_ISL_1044106, EPI_ISL_1044107, EPI_ISL_1044108, EPI_ISL_1044109, EPI_ISL_1044110, EPI_ISL_1044111, EPI_ISL_1044112, EPI_ISL_1044113, EPI_ISL_1044114, EPI_ISL_1044115, EPI_ISL_1044116, EPI_ISL_1044117, EPI_ISL_1044118, EPI_ISL_1044119, EPI_ISL_1044120, EPI_ISL_1044121, EPI_ISL_1044122, EPI_ISL_1044123, EPI_ISL_1044124, EPI_ISL_1044125, EPI_ISL_1044126, EPI_ISL_1044127, EPI_ISL_1044128, EPI_ISL_1044129, EPI_ISL_1044130, EPI_ISL_1044131, EPI_ISL_1044132, EPI_ISL_1044133, EPI_ISL_1044134, EPI_ISL_1044135, EPI_ISL_1044136, EPI_ISL_1044137, EPI_ISL_1044138, EPI_ISL_1044139, EPI_ISL_1044140, EPI_ISL_1044141, EPI_ISL_1044142, EPI_ISL_1044143, EPI_ISL_1044144, EPI_ISL_1044145, EPI_ISL_1044146, EPI_ISL_1044147, EPI_ISL_1044148, EPI_ISL_1044149, EPI_ISL_1044150, EPI_ISL_1044151, EPI_ISL_1044152, EPI_ISL_1044153, EPI_ISL_1044154, EPI_ISL_1044155, EPI_ISL_1044156, EPI_ISL_1044157, EPI_ISL_1044158, EPI_ISL_1044159, EPI_ISL_1044160, EPI_ISL_1044161, EPI_ISL_1044162, EPI_ISL_1044163, EPI_ISL_1044164, EPI_ISL_1044165, EPI_ISL_1044166, EPI_ISL_1044167, EPI_ISL_1044168, EPI_ISL_1044169, EPI_ISL_1044170, EPI_ISL_1044171, EPI_ISL_1044172, EPI_ISL_1044173, EPI_ISL_1044174, EPI_ISL_1044175, EPI_ISL_1044176, EPI_ISL_1044177, EPI_ISL_1044178, EPI_ISL_1044179, EPI_ISL_1044180, EPI_ISL_1044181, EPI_ISL_1044182, EPI_ISL_1044183, EPI_ISL_1044184, EPI_ISL_1044185, EPI_ISL_1044186, EPI_ISL_1044187, EPI_ISL_1044188, EPI_ISL_1044189, EPI_ISL_1044190, EPI_ISL_1044191, EPI_ISL_1044192, EPI_ISL_1044193, EPI_ISL_1044194, EPI_ISL_1044195, EPI_ISL_1044196, EPI_ISL_1044197, EPI_ISL_1044198, EPI_ISL_1044199, EPI_ISL_1044200, EPI_ISL_1044201, EPI_ISL_1044202, EPI_ISL_1044203, EPI_ISL_1044204, EPI_ISL_1044205, EPI_ISL_1044206, EPI_ISL_1044207, EPI_ISL_1044208, EPI_ISL_1044209, EPI_ISL_1044210, EPI_ISL_1044211, EPI_ISL_1044212, EPI_ISL_1044213, EPI_ISL_1044214, EPI_ISL_1044215, EPI_ISL_1044216, EPI_ISL_1044217, EPI_ISL_1044218, EPI_ISL_1044219, EPI_ISL_1044220, EPI_ISL_1044221, EPI_ISL_1044222, EPI_ISL_1044223, EPI_ISL_1044224			
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, 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_1045980, EPI_ISL_1045981, EPI_ISL_1045982, EPI_ISL_1045984, EPI_ISL_1045985, EPI_ISL_1045986, EPI_ISL_1045987, EPI_ISL_1045988, EPI_ISL_1045989, EPI_ISL_1045990, EPI_ISL_1045991, EPI_ISL_1045992, EPI_ISL_1045993, EPI_ISL_1045994, EPI_ISL_1045995, EPI_ISL_1045996, EPI_ISL_1045997,			

EPI_ISL_1045998, EPI_ISL_1045999, EPI_ISL_1046000, EPI_ISL_1046001, EPI_ISL_1046002, EPI_ISL_1046003, EPI_ISL_1046004, EPI_ISL_1046005, EPI_ISL_1046006, EPI_ISL_1046007, EPI_ISL_1046008, EPI_ISL_1046009, EPI_ISL_1046010, EPI_ISL_1046011, EPI_ISL_1046012, EPI_ISL_1046013, EPI_ISL_1046014, EPI_ISL_1046015, EPI_ISL_1046016, EPI_ISL_1046017, EPI_ISL_1046018, EPI_ISL_1046019, EPI_ISL_1046020, EPI_ISL_1046021, EPI_ISL_1046022, EPI_ISL_1046023, EPI_ISL_1046024, EPI_ISL_1046025, EPI_ISL_1046026, EPI_ISL_1046027, EPI_ISL_1046028, EPI_ISL_1046029, EPI_ISL_1046030, EPI_ISL_1046031, EPI_ISL_1046032, EPI_ISL_1046033, EPI_ISL_1046034, EPI_ISL_1046035, EPI_ISL_1046036, EPI_ISL_1046037, EPI_ISL_1046038, EPI_ISL_1046039, EPI_ISL_1046040, EPI_ISL_1046041, EPI_ISL_1046042, EPI_ISL_1046043, EPI_ISL_1046044, EPI_ISL_1046045, EPI_ISL_1046046, EPI_ISL_1046047, EPI_ISL_1046048, EPI_ISL_1046049, EPI_ISL_1046050, EPI_ISL_1046051, EPI_ISL_1046052, EPI_ISL_1046053, EPI_ISL_1046054, EPI_ISL_1046055, EPI_ISL_1046056, EPI_ISL_1046057, EPI_ISL_1046058, EPI_ISL_1046059, EPI_ISL_1046060, EPI_ISL_1046061, EPI_ISL_1046062, EPI_ISL_1046063, EPI_ISL_1046064, EPI_ISL_1046065, EPI_ISL_1046066, EPI_ISL_1046067, EPI_ISL_1046068, EPI_ISL_1046069, EPI_ISL_1046070, EPI_ISL_1046071, EPI_ISL_1046072, EPI_ISL_1046073, EPI_ISL_1046074, EPI_ISL_1046075, EPI_ISL_1046076, EPI_ISL_1046077, EPI_ISL_1046078, EPI_ISL_1046079, EPI_ISL_1046080, EPI_ISL_1046081, EPI_ISL_1046082, EPI_ISL_1046083, EPI_ISL_1046084, EPI_ISL_1046085, EPI_ISL_1046086, EPI_ISL_1046087, EPI_ISL_1046088, EPI_ISL_1046089, EPI_ISL_1046090, EPI_ISL_1046091, EPI_ISL_1046092, EPI_ISL_1046093, EPI_ISL_1046094, EPI_ISL_1046095, EPI_ISL_1046096, EPI_ISL_1046097, EPI_ISL_1046098, EPI_ISL_1046099, EPI_ISL_1046100, EPI_ISL_1046101, EPI_ISL_1046102, EPI_ISL_1046103, EPI_ISL_1046104, EPI_ISL_1046105, EPI_ISL_1046106, EPI_ISL_1046107, EPI_ISL_1046108, EPI_ISL_1046109, EPI_ISL_1046110, EPI_ISL_1046111, EPI_ISL_1046112, EPI_ISL_1046113, EPI_ISL_1046114, EPI_ISL_1046115, EPI_ISL_1046117, EPI_ISL_1046118, EPI_ISL_1046119, EPI_ISL_1046120, EPI_ISL_1046121, EPI_ISL_1046122, EPI_ISL_1046123, EPI_ISL_1046124, EPI_ISL_1046125, EPI_ISL_1046126, EPI_ISL_1046127, EPI_ISL_1046128, EPI_ISL_1046129, EPI_ISL_1046130, EPI_ISL_1046131, EPI_ISL_1046132, EPI_ISL_1046133, EPI_ISL_1046134, EPI_ISL_1046135, EPI_ISL_1046136, EPI_ISL_1046137, EPI_ISL_1046138, EPI_ISL_1046139, EPI_ISL_1046140, EPI_ISL_1046141, EPI_ISL_1046142, EPI_ISL_1046143, EPI_ISL_1046144, EPI_ISL_1046145, EPI_ISL_1046146, EPI_ISL_1046147, EPI_ISL_1046148, EPI_ISL_1046149, EPI_ISL_1046150, EPI_ISL_1046151, EPI_ISL_1046152, EPI_ISL_1046153, EPI_ISL_1046154, EPI_ISL_1046155, EPI_ISL_1046156, EPI_ISL_1046157, EPI_ISL_1046158, EPI_ISL_1046159, EPI_ISL_1046160, EPI_ISL_1046161, EPI_ISL_1046162, EPI_ISL_1046163, EPI_ISL_1046164, EPI_ISL_1046165, EPI_ISL_1046166, EPI_ISL_1046167, EPI_ISL_1046168, EPI_ISL_1046169, EPI_ISL_1046170, EPI_ISL_1046171, EPI_ISL_1046172, EPI_ISL_1046173, EPI_ISL_1046174, EPI_ISL_1046175, EPI_ISL_1046176, EPI_ISL_1046177, EPI_ISL_1046178, EPI_ISL_1046179, EPI_ISL_1046180, EPI_ISL_1046181, EPI_ISL_1046182, EPI_ISL_1046183, EPI_ISL_1046184, EPI_ISL_1046185, EPI_ISL_1046186, EPI_ISL_1046187, EPI_ISL_1046188, EPI_ISL_1046189, EPI_ISL_1046190, EPI_ISL_1046191, EPI_ISL_1046192, EPI_ISL_1046193, EPI_ISL_1046194, EPI_ISL_1046195, EPI_ISL_1046196, EPI_ISL_1046197, EPI_ISL_1046198, EPI_ISL_1046199, EPI_ISL_1046200, EPI_ISL_1046201, EPI_ISL_1046202, EPI_ISL_1046203, EPI_ISL_1046204, EPI_ISL_1046205, EPI_ISL_1046206, EPI_ISL_1046207, EPI_ISL_1046208, EPI_ISL_1046209, EPI_ISL_1046210, EPI_ISL_1046211, EPI_ISL_1046212, EPI_ISL_1046213, EPI_ISL_1046214, EPI_ISL_1046215, EPI_ISL_1046216, EPI_ISL_1046217, EPI_ISL_1046218, EPI_ISL_1046219, EPI_ISL_1046220, EPI_ISL_1046221, EPI_ISL_1046222, EPI_ISL_1046223, EPI_ISL_1046224, EPI_ISL_1046225, EPI_ISL_1046226, EPI_ISL_1046227, EPI_ISL_1046228, EPI_ISL_1046229, EPI_ISL_1046230, EPI_ISL_1046231, EPI_ISL_1046232, EPI_ISL_1046233, EPI_ISL_1046234, EPI_ISL_1046235, EPI_ISL_1046236, EPI_ISL_1046237, EPI_ISL_1046238, EPI_ISL_1046239, EPI_ISL_1046240, EPI_ISL_1046241, EPI_ISL_1046242, EPI_ISL_1046243, EPI_ISL_1046244, EPI_ISL_1046245, EPI_ISL_1046246, EPI_ISL_1046247, EPI_ISL_1046248, EPI_ISL_1046249, EPI_ISL_1046250, EPI_ISL_1046251, EPI_ISL_1046252, EPI_ISL_1046253, EPI_ISL_1046254, EPI_ISL_1046255, EPI_ISL_1046256, EPI_ISL_1046257, EPI_ISL_1046258, EPI_ISL_1046259, EPI_ISL_1046260, EPI_ISL_1046261, EPI_ISL_1046262, EPI_ISL_1046263, EPI_ISL_1046264, EPI_ISL_1046265, EPI_ISL_1046266, EPI_ISL_1046267, EPI_ISL_1046268, EPI_ISL_1046269, EPI_ISL_1046270, EPI_ISL_1046271, EPI_ISL_1046272, EPI_ISL_1046273, EPI_ISL_1046274, EPI_ISL_1046275, EPI_ISL_1046276, EPI_ISL_1046277, EPI_ISL_1046278, EPI_ISL_1046279, EPI_ISL_1046280, EPI_ISL_1046281, EPI_ISL_1046282, EPI_ISL_1046283, EPI_ISL_1046284, EPI_ISL_1046285, EPI_ISL_1046286, EPI_ISL_1046287, EPI_ISL_1046288, EPI_ISL_1046289, EPI_ISL_1046290, EPI_ISL_1046291, EPI_ISL_1046292, EPI_ISL_1046293, EPI_ISL_1046294, EPI_ISL_1046295, EPI_ISL_1046296, EPI_ISL_1046297, EPI_ISL_1046298, EPI_ISL_1046299, EPI_ISL_1046300, EPI_ISL_1046301, EPI_ISL_1046302, EPI_ISL_1046303, EPI_ISL_1046304, EPI_ISL_1046305, EPI_ISL_1046306, EPI_ISL_1046307, EPI_ISL_1046308, EPI_ISL_1046309, EPI_ISL_1046310, EPI_ISL_1046311, EPI_ISL_1046312, EPI_ISL_1046313, EPI_ISL_1046314, EPI_ISL_1046315, EPI_ISL_1046316, EPI_ISL_1046317, EPI_ISL_1046318, EPI_ISL_1046319, EPI_ISL_1046320, EPI_ISL_1046321, EPI_ISL_1046322, EPI_ISL_1046323, EPI_ISL_1046324, EPI_ISL_1046325, EPI_ISL_1046326, EPI_ISL_1046327, EPI_ISL_1046328, EPI_ISL_1046329, EPI_ISL_1046330, EPI_ISL_1046331, EPI_ISL_1046332, EPI_ISL_1046333, EPI_ISL_1046334, EPI_ISL_1046335	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_1046990, EPI_ISL_1046995, EPI_ISL_1047011, EPI_ISL_1047019, EPI_ISL_1047034, EPI_ISL_1047036, EPI_ISL_1047045, EPI_ISL_1047049		University of Birmingham	COVID-19 Genomics UK (COG-UK) Consortium	Institute of Microbiology, University of Birmingham: Claire McMurrary, Joanne Stockton, Samuel Nicholls, Radoslaw Popiawski, 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_1047148, EPI_ISL_1047149, EPI_ISL_1047150, EPI_ISL_1047151, EPI_ISL_1047152, EPI_ISL_1047153, EPI_ISL_1047154, EPI_ISL_1047155, EPI_ISL_1047156, EPI_ISL_1047157, EPI_ISL_1047158, EPI_ISL_1047159, EPI_ISL_1047160, EPI_ISL_1047161, EPI_ISL_1047162, EPI_ISL_1047163, EPI_ISL_1047164, EPI_ISL_1047165, EPI_ISL_1047166, EPI_ISL_1047167, EPI_ISL_1047168, EPI_ISL_1047169, EPI_ISL_1047170, EPI_ISL_1047171, EPI_ISL_1047172, EPI_ISL_1047173, EPI_ISL_1047174, EPI_ISL_1047175, EPI_ISL_1047176, EPI_ISL_1047177, EPI_ISL_1047178, EPI_ISL_1047179, EPI_ISL_1047180, EPI_ISL_1047181, EPI_ISL_1047182, EPI_ISL_1047183, EPI_ISL_1047185, EPI_ISL_1047186, EPI_ISL_1047187, EPI_ISL_1047188, EPI_ISL_1047189, EPI_ISL_1047190, EPI_ISL_1047191, EPI_ISL_1047192, EPI_ISL_1047193, EPI_ISL_1047194, EPI_ISL_1047195, EPI_ISL_1047196, EPI_ISL_1047197, EPI_ISL_1047198, EPI_ISL_1047199, EPI_ISL_1047200, EPI_ISL_1047201, EPI_ISL_1047202, EPI_ISL_1047203, EPI_ISL_1047204, EPI_ISL_1047205, EPI_ISL_1047206, EPI_ISL_1047207, EPI_ISL_1047208, EPI_ISL_1047209, EPI_ISL_1047210, EPI_ISL_1047211, EPI_ISL_1047212, EPI_ISL_1047213, EPI_ISL_1047214, EPI_ISL_1047215, EPI_ISL_1047216, EPI_ISL_1047217, EPI_ISL_1047218, EPI_ISL_1047219, EPI_ISL_1047220, EPI_ISL_1047221, EPI_ISL_1047222, EPI_ISL_1047223, EPI_ISL_1047224, EPI_ISL_1047225, EPI_ISL_1047226, EPI_ISL_1047227, EPI_ISL_1047228, EPI_ISL_1047229, EPI_ISL_1047230, EPI_ISL_1047231, EPI_ISL_1047232, EPI_ISL_1047233, EPI_ISL_1047234, EPI_ISL_1047235, EPI_ISL_1047236, EPI_ISL_1047237, EPI_ISL_1047238, EPI_ISL_1047239, EPI_ISL_1047240, EPI_ISL_1047241, EPI_ISL_1047242, EPI_ISL_1047243, EPI_ISL_1047244, EPI_ISL_1047245, EPI_ISL_1047246, EPI_ISL_1047247, EPI_ISL_1047248, EPI_ISL_1047249, EPI_ISL_1047250, EPI_ISL_1047251, EPI_ISL_1047252, EPI_ISL_1047253, EPI_ISL_1047254, EPI_ISL_1047255, EPI_ISL_1047256, EPI_ISL_1047257, EPI_ISL_1047258, EPI_ISL_1047259, EPI_ISL_1047260, EPI_ISL_1047261, EPI_ISL_1047262, EPI_ISL_1047263, EPI_ISL_1047264, EPI_ISL_1047265, EPI_ISL_1047266, EPI_ISL_1047267, EPI_ISL_1047268, EPI_ISL_1047269, EPI_ISL_1047270, EPI_ISL_1047271, EPI_ISL_1047272, EPI_ISL_1047273, EPI_ISL_1047274, EPI_ISL_1047275, EPI_ISL_1047276, EPI_ISL_1047277, EPI_ISL_1047278, EPI_ISL_1047279, EPI_ISL_1047280, EPI_ISL_1047281, EPI_ISL_1047282, EPI_ISL_1047283, EPI_ISL_1047284, EPI_ISL_1047285, EPI_ISL_1047286, EPI_ISL_1047287, EPI_ISL_1047288, EPI_ISL_1047289, EPI_ISL_1047290, EPI_ISL_1047291, EPI_ISL_1047292, EPI_ISL_1047293, EPI_ISL_1047294, EPI_ISL_1047295, EPI_ISL_1047296, EPI_ISL_1047297, EPI_ISL_1047298, EPI_ISL_1047299, EPI_ISL_1047300, EPI_ISL_1047301, EPI_ISL_1047302, EPI_ISL_1047303, EPI_ISL_1047304, EPI_ISL_1047305, EPI_ISL_1047306, EPI_ISL_1047307, EPI_ISL_1047308, EPI_ISL_1047309, EPI_ISL_1047310, EPI_ISL_1047311, EPI_ISL_1047312, EPI_ISL_1047313, EPI_ISL_1047314, EPI_ISL_1047315, EPI_ISL_1047316, EPI_ISL_1047317, EPI_ISL_1047318, EPI_ISL_1047319, EPI_ISL_1047320, EPI_ISL_1047321, EPI_ISL_1047322, EPI_ISL_1047323, EPI_ISL_1047324, EPI_ISL_1047325, EPI_ISL_1047326, EPI_ISL_1047327, EPI_ISL_1047328, EPI_ISL_1047329, EPI_ISL_1047330, EPI_ISL_1047331, EPI_ISL_1047332, EPI_ISL_1047333, EPI_ISL_1047334, EPI_ISL_1047335, EPI_ISL_1047336, EPI_ISL_1047337, EPI_ISL_1047338, EPI_ISL_1047339, EPI_ISL_1047340, EPI_ISL_1047341, EPI_ISL_1047342, EPI_ISL_1047343, EPI_ISL_1047344, EPI_ISL_1047345, EPI_ISL_1047346, EPI_ISL_1047347, EPI_ISL_1047348, EPI_ISL_1047349, EPI_ISL_1047350, EPI_ISL_1047351, EPI_ISL_1047352, EPI_ISL_1047353, EPI_ISL_1047354, EPI_ISL_1047355, EPI_ISL_1047356, EPI_ISL_1047357, EPI_ISL_1047358, EPI_ISL_1047359, EPI_ISL_1047360, EPI_ISL_1047361, EPI_ISL_1047362, EPI_ISL_1047363, EPI_ISL_1047364, EPI_ISL_1047365, EPI_ISL_1047366, EPI_ISL_1047367, EPI_ISL_1047368, EPI_ISL_1047369, EPI_ISL_1047370, EPI_ISL_1047371, EPI_ISL_1047372, EPI_ISL_1047373, EPI_ISL_1047374, EPI_ISL_1047375, EPI_ISL_1047376, EPI_ISL_1047377, EPI_ISL_1047378, EPI_ISL_1047379, EPI_ISL_1047380, EPI_ISL_1047381, EPI_ISL_1047382, EPI_ISL_1047383, EPI_ISL_1047384, EPI_ISL_1047385, EPI_ISL_1047386, EPI_ISL_1047387, EPI_ISL_1047388, EPI_ISL_1047389, EPI_ISL_1047390, EPI_ISL_1047391, EPI_ISL_1047392, EPI_ISL_1047393, EPI_ISL_1047394, EPI_ISL_1047395, EPI_ISL_1047396, EPI_ISL_1047397, EPI_ISL_1047398, EPI_ISL_1047399, EPI_ISL_1047400, EPI_ISL_1047401, EPI_ISL_1047402, EPI_ISL_1047403, EPI_ISL_1047404, EPI_ISL_1047405, EPI_ISL_1047406, EPI_ISL_1047407, EPI_ISL_1047408, EPI_ISL_1047409, EPI_ISL_1047410, EPI_ISL_1047411, EPI_ISL_1047412, EPI_ISL_1047413, EPI_ISL_1047414, EPI_ISL_1047415, EPI_ISL_1047416, EPI_ISL_1047417, EPI_ISL_1047418, EPI_ISL_1047419, EPI_ISL_1047420, EPI_ISL_1047421, EPI_ISL_1047422, EPI_ISL_1047423, EPI_ISL_1047424, EPI_ISL_1047425, EPI_ISL_1047426, EPI_ISL_1047427, EPI_ISL_1047428, EPI_ISL_1047429, EPI_ISL_1047430, EPI_ISL_1047431, EPI_ISL_1047432, EPI_ISL_1047433, EPI_ISL_1047434, EPI_ISL_1047435, EPI_ISL_1047436, EPI_ISL_1047437, EPI_ISL_1047438, EPI_ISL_1047439, EPI_ISL_1047440, EPI_ISL_1047441, EPI_ISL_1047442, EPI_ISL_1047443, EPI_ISL_1047444, EPI_ISL_1047445, EPI_ISL_1047446, EPI_ISL_1047447, EPI_ISL_1047448, EPI_ISL_1047449, EPI_ISL_1047450, EPI_ISL_1047451, EPI_ISL_1047452, EPI_ISL_1047453, EPI_ISL_1047454, EPI_ISL_1047455, EPI_ISL_1047456, EPI_ISL_1047457, EPI_ISL_1047458, EPI_ISL_1047459, EPI_ISL_1047460, EPI_ISL_1047461, EPI_ISL_1047462, EPI_ISL_1047463, EPI_ISL_1047464, EPI_ISL_1047465, EPI_ISL_1047466, EPI_ISL_1047467, EPI_ISL_1047468, EPI_ISL_1047469, EPI_ISL_1047470, EPI_ISL_1047471, EPI_ISL_1047472, EPI_ISL_1047473, EPI_ISL_1047474, EPI_ISL_1047475, EPI_ISL_1047476, EPI_ISL_1047477, EPI_ISL_1047478, EPI_ISL_1047479, EPI_ISL_1047480, EPI_ISL_1047481, EPI_ISL_1047482, EPI_ISL_1047483, EPI_ISL_1047484, EPI_ISL_1047485, EPI_ISL_1047486, EPI_ISL_1047487, EPI_ISL_1047488, EPI_ISL_1047489, EPI_ISL_1047490, EPI_ISL_1047491, EPI_ISL_1047492, EPI_ISL_1047493, EPI_ISL_1047494, EPI_ISL_1047495, EPI_ISL_1047496, EPI_ISL_1047497, EPI_ISL_1047498, EPI_ISL_1047499, EPI_ISL_1047500, EPI_ISL_1047501, EPI_ISL_1047502, EPI_ISL_1047503, EPI_ISL_1047504, EPI_ISL_1047505, EPI_ISL_1047506, EPI_ISL_1047507, EPI_ISL_1047508, EPI_ISL_1047509, EPI_ISL_1047510, EPI_ISL_1047511, EPI_ISL_1047512, EPI_ISL_1047513, EPI_ISL_1047514, EPI_ISL_1047515, EPI_ISL_1047516, EPI_ISL_1047517, EPI_ISL_1047518, EPI_ISL_1047519, EPI_ISL_1047520, EPI_ISL_1047521, EPI_ISL_1047522, EPI_ISL_1047523, EPI_ISL_1047524, EPI_ISL_1047525, EPI_ISL_1047526, EPI_ISL_1047527, EPI_ISL_1047528, EPI_ISL_1047529, EPI_ISL_1047530, EPI_ISL_1047531, EPI_ISL_1047532, EPI_ISL_1047533, EPI_ISL_1047534, EPI_ISL_1047535, EPI_ISL_1047536, EPI_ISL_1047537, EPI_ISL_1047538, EPI_ISL_1047539, EPI_ISL_1047540, EPI_ISL_1047541, EPI_ISL_1047542, EPI_ISL_1047543, EPI_ISL_1047544, EPI_ISL_1047545, EPI_ISL_1047546, EPI_ISL_1047547, EPI_ISL_1047548, EPI_ISL_1047549, EPI_ISL_1047550, EPI_ISL_1047551, EPI_ISL_1047552, EPI_ISL_1047553, EPI_ISL_1047554, EPI_ISL_1047555, EPI_ISL_1047556, EPI_ISL_1047557, EPI_ISL_1047558, EPI_ISL_1047559, EPI_ISL_1047560, EPI_ISL_1047561, EPI_ISL_1047562, EPI_ISL_1047563, EPI_ISL_1047564, EPI_ISL_1047565, EPI_ISL_1047566, EPI_ISL_1047567, EPI_ISL_1047568, EPI_ISL_1047569, EPI_ISL_1047570, EPI_ISL_1047571, EPI_ISL_1047572, EPI_ISL_1047573, EPI_ISL_1047574, EPI_ISL_1047575, EPI_ISL_1047576, EPI_ISL_1047577, EPI_ISL_1047578, EPI_ISL_1047579, EPI_ISL_1047580, EPI_ISL_1047581	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_1047679, EPI_ISL_1047680, EPI_ISL_1047681, EPI_ISL_1047682, EPI_ISL_1047683, EPI_ISL_1047684, EPI_ISL_1047686, EPI_ISL_1047687, EPI_ISL_1047688, EPI_ISL_1047689, EPI_ISL_1047690, EPI_ISL_1047691, EPI_ISL_1047692, EPI_ISL_1047693, EPI_ISL_1047694, EPI_ISL_1047695, EPI_ISL_1047696, EPI_ISL_1047697, EPI_ISL_1047698, EPI_ISL_1047699, EPI_ISL_1047700, EPI_ISL_1047701, EPI_ISL_1047702, EPI_ISL_1047703, EPI_ISL_1047705, EPI_ISL_1047706, EPI_ISL_1047707, EPI_ISL_1047708, EPI_ISL_1047709, EPI_ISL_1047710, EPI_ISL_1047711	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_1047846	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_1047860	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_1048017, EPI_ISL_1048018, EPI_ISL_1048019, EPI_ISL_1048020, EPI_ISL_1048021, EPI_ISL_1048022	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucey, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentay, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Rachel Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateji, 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_1048054, EPI_ISL_1048055, EPI_ISL_1048057, EPI_ISL_1048058, EPI_ISL_1048059, EPI_ISL_1048062, EPI_ISL_1048066, EPI_ISL_1048069, EPI_ISL_1048076, EPI_ISL_1048089, EPI_ISL_1048097	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_1048139, EPI_ISL_1048140, EPI_ISL_1048141, EPI_ISL_1048142, EPI_ISL_1048143, EPI_ISL_1048144, EPI_ISL_1048145, EPI_ISL_1048146, EPI_ISL_1048147, EPI_ISL_1048148, EPI_ISL_1048149, EPI_ISL_1048150, EPI_ISL_1048151, EPI_ISL_1048152, EPI_ISL_1048153, EPI_ISL_1048154, EPI_ISL_1048155, EPI_ISL_1048156, EPI_ISL_1048157, EPI_ISL_1048158, EPI_ISL_1048159, EPI_ISL_1048160, EPI_ISL_1048161, EPI_ISL_1048162, EPI_ISL_1048163, EPI_ISL_1048164, EPI_ISL_1048165, EPI_ISL_1048166, EPI_ISL_1048167, EPI_ISL_1048168, EPI_ISL_1048169, EPI_ISL_1048170, EPI_ISL_1048171, EPI_ISL_1048172, EPI_ISL_1048173, EPI_ISL_10				

	Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield		Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Raza, Cariad Evans
EPI_ISL_1050225, EPI_ISL_1050227	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_1050356	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_1050369, EPI_ISL_1050392	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_1051222, EPI_ISL_1051223, EPI_ISL_1051224, EPI_ISL_1051225, EPI_ISL_1051226, EPI_ISL_1051227, EPI_ISL_1051228, EPI_ISL_1051229, EPI_ISL_1051230, EPI_ISL_1051231, EPI_ISL_1051232, EPI_ISL_1051233, EPI_ISL_1051234, EPI_ISL_1051235, EPI_ISL_1051236, EPI_ISL_1051237, EPI_ISL_1051238, EPI_ISL_1051239, EPI_ISL_1051240, EPI_ISL_1051241, EPI_ISL_1051242, EPI_ISL_1051243			
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,Yusra Taha,Gary Eltringham
EPI_ISL_1051597, EPI_ISL_1051609, EPI_ISL_1051610, EPI_ISL_1051611, EPI_ISL_1051612, EPI_ISL_1051613, EPI_ISL_1051615, EPI_ISL_1051616, EPI_ISL_1051617, EPI_ISL_1051619, EPI_ISL_1051621, EPI_ISL_1051622, EPI_ISL_1051623, EPI_ISL_1051624, EPI_ISL_1051625, EPI_ISL_1051628, EPI_ISL_1051632, EPI_ISL_1051633, EPI_ISL_1051636, EPI_ISL_1051660, EPI_ISL_1051670, EPI_ISL_1051675, EPI_ISL_1051676, EPI_ISL_1051681, EPI_ISL_1051682, EPI_ISL_1051690, EPI_ISL_1051893, EPI_ISL_1051894, EPI_ISL_1051895, EPI_ISL_1051896, EPI_ISL_1051897, EPI_ISL_1051904, EPI_ISL_1051905			
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 Frase
EPI_ISL_1051920, EPI_ISL_1051922, EPI_ISL_1051923, EPI_ISL_1051924, EPI_ISL_1051925, EPI_ISL_1051926, EPI_ISL_1051927, EPI_ISL_1051928, EPI_ISL_1051929, EPI_ISL_1051930, EPI_ISL_1051932, EPI_ISL_1051933, EPI_ISL_1051934, EPI_ISL_1051935, EPI_ISL_1051936, EPI_ISL_1051937, EPI_ISL_1051938, EPI_ISL_1051939, EPI_ISL_1051940, EPI_ISL_1051941, EPI_ISL_1051942, EPI_ISL_1051943, EPI_ISL_1051944, EPI_ISL_1051946, EPI_ISL_1051947, EPI_ISL_1051948, EPI_ISL_1051949, EPI_ISL_1051950, EPI_ISL_1051952, EPI_ISL_1051953, EPI_ISL_1051954, EPI_ISL_1051955, EPI_ISL_1051956, EPI_ISL_1051957, EPI_ISL_1051958, EPI_ISL_1051959, EPI_ISL_1051961, EPI_ISL_1051962, EPI_ISL_1051963, EPI_ISL_1051964, EPI_ISL_1051966, EPI_ISL_1051967, EPI_ISL_1051968, EPI_ISL_1051969, EPI_ISL_1051970, EPI_ISL_1051971, EPI_ISL_1051972, EPI_ISL_1051973, EPI_ISL_1051974, EPI_ISL_1051975, EPI_ISL_1051976, EPI_ISL_1051978, EPI_ISL_1051979, EPI_ISL_1051981, EPI_ISL_1051982, EPI_ISL_1051983, EPI_ISL_1051984, EPI_ISL_1051985, EPI_ISL_1051986, EPI_ISL_1051987, EPI_ISL_1051988, EPI_ISL_1051989, EPI_ISL_1051990, EPI_ISL_1051991, EPI_ISL_1051992, EPI_ISL_1051993, EPI_ISL_1051994, EPI_ISL_1051995, EPI_ISL_1051997, EPI_ISL_1051998, EPI_ISL_1051999, EPI_ISL_1052000, EPI_ISL_1052001, EPI_ISL_1052002, EPI_ISL_1052003, EPI_ISL_1052004, EPI_ISL_1052005, EPI_ISL_1052006, EPI_ISL_1052007, EPI_ISL_1052008, EPI_ISL_1052009, EPI_ISL_1052010, EPI_ISL_1052011, EPI_ISL_1052012, EPI_ISL_1052013, EPI_ISL_1052014, EPI_ISL_1052015, EPI_ISL_1052016, EPI_ISL_1052017, EPI_ISL_1052018, EPI_ISL_1052021, EPI_ISL_1052022, EPI_ISL_1052024, EPI_ISL_1052025, EPI_ISL_1052026, EPI_ISL_1052027, EPI_ISL_1052029, EPI_ISL_1052031, EPI_ISL_1052033, EPI_ISL_1052034, EPI_ISL_1052035, EPI_ISL_1052036, EPI_ISL_1052038, EPI_ISL_1052039, EPI_ISL_1052041, EPI_ISL_1052042, EPI_ISL_1052043, EPI_ISL_1052044, EPI_ISL_1052045, EPI_ISL_1052047, EPI_ISL_1052048, EPI_ISL_1052050, EPI_ISL_1052051, EPI_ISL_1052052, EPI_ISL_1052053, EPI_ISL_1052055, EPI_ISL_1052056, EPI_ISL_1052058, EPI_ISL_1052060, EPI_ISL_1052061, EPI_ISL_1052062, EPI_ISL_1052063, EPI_ISL_1052064, EPI_ISL_1052065, EPI_ISL_1052066, EPI_ISL_1052067, EPI_ISL_1052068, EPI_ISL_1052070, EPI_ISL_1052071, EPI_ISL_1052072, EPI_ISL_1052073, EPI_ISL_1052074, EPI_ISL_1052075, EPI_ISL_1052076, EPI_ISL_1052077, EPI_ISL_1052078, EPI_ISL_1052079, EPI_ISL_1052080, EPI_ISL_1052081, EPI_ISL_1052082, EPI_ISL_1052083, EPI_ISL_1052084, EPI_ISL_1052086, EPI_ISL_1052087, EPI_ISL_1052088, EPI_ISL_1052089, EPI_ISL_1052090, EPI_ISL_1052091, EPI_ISL_1052092, EPI_ISL_1052094, EPI_ISL_1052095, EPI_ISL_1052098, EPI_ISL_1052099, EPI_ISL_1052100, EPI_ISL_1052101, EPI_ISL_1052102, EPI_ISL_1052103, EPI_ISL_1052104, EPI_ISL_1052105, EPI_ISL_1052106, EPI_ISL_1052107, EPI_ISL_1052109, EPI_ISL_1052110, EPI_ISL_1052111, EPI_ISL_1052112, EPI_ISL_1052116, EPI_ISL_1052117, EPI_ISL_1052118, EPI_ISL_1052128, EPI_ISL_1052129, EPI_ISL_1052132, EPI_ISL_1052133, EPI_ISL_1052134, EPI_ISL_1052136, EPI_ISL_1052137, EPI_ISL_1052203, EPI_ISL_1052204, EPI_ISL_1052462, EPI_ISL_1052465, EPI_ISL_1052473, EPI_ISL_1052474, EPI_ISL_1052480, EPI_ISL_1052511, EPI_ISL_1052512, EPI_ISL_1052513, EPI_ISL_1052514, EPI_ISL_1052515, EPI_ISL_1052516, EPI_ISL_1052521, EPI_ISL_1052523, EPI_ISL_1052524, EPI_ISL_1052525, EPI_ISL_1053502, EPI_ISL_1053521, EPI_ISL_1053522, EPI_ISL_1053548, EPI_ISL_1053549, EPI_ISL_1053550, EPI_ISL_1053551, EPI_ISL_1053553, EPI_ISL_1053555, EPI_ISL_1053556, EPI_ISL_1053557, EPI_ISL_1053559, EPI_ISL_1053560, EPI_ISL_1053561, EPI_ISL_1053563, EPI_ISL_1053564			
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 Kuzniene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1053844, EPI_ISL_1053845, EPI_ISL_1053846, EPI_ISL_1053847, EPI_ISL_1053848, EPI_ISL_1053849, EPI_ISL_1053850, EPI_ISL_1053853, EPI_ISL_1053854, EPI_ISL_1053855, EPI_ISL_1053892, EPI_ISL_1053898, EPI_ISL_1053899, EPI_ISL_1053899, EPI_ISL_1053900, EPI_ISL_1053901, EPI_ISL_1053902, EPI_ISL_1053933			
see above	Centre for Enzyme Innovation, University of Portsmouth / Translational Research Laboratory, Portsmouth Hospitals NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Angela Beckett,Salman Goudarzi,Christopher Fearn,Kate Cook,Katie Loveson,Sharon Glaysher,Scott Elliott,Samuel Robson
EPI_ISL_1054396	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_1054531	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_1054815, EPI_ISL_1054830, EPI_ISL_1054834	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_1057726, EPI_ISL_1057727, EPI_ISL_1057728, EPI_ISL_1057729, EPI_ISL_1057730, EPI_ISL_1057731, EPI_ISL_1057733, EPI_ISL_1057734, EPI_ISL_1057735, EPI_ISL_1057736, EPI_ISL_1057737, EPI_ISL_1057738, EPI_ISL_1057739, EPI_ISL_1057740, EPI_ISL_1057741, EPI_ISL_1057742, EPI_ISL_1057743, EPI_ISL_1057744, EPI_ISL_1057746, EPI_ISL_1057747, EPI_ISL_1057748, EPI_ISL_1057749, EPI_ISL_1057750, EPI_ISL_1057751, EPI_ISL_1057752, EPI_ISL_1057753, EPI_ISL_1057754, EPI_ISL_1057755, EPI_ISL_1057756, EPI_ISL_1057757, EPI_ISL_1057758, EPI_ISL_1057759, EPI_ISL_1057760, EPI_ISL_1057761, EPI_ISL_1057762, EPI_ISL_1057763			
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, 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_1103759	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_1103936, EPI_ISL_1103937, EPI_ISL_1103938, EPI_ISL_1103939, EPI_ISL_1103940, EPI_ISL_1103941, EPI_ISL_1103942, EPI_ISL_1103943, EPI_ISL_1103944, EPI_ISL_1103946, EPI_ISL_1103947, EPI_ISL_1103948			
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_1104225, EPI_ISL_1104226, EPI_ISL_1104227	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_1104322, EPI_ISL_1104323, EPI_ISL_1104387, EPI_ISL_1104498, EPI_ISL_1104504	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel García-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal , Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_1104611, EPI_ISL_1104612, EPI_ISL_1104613, EPI_ISL_1104614, EPI_ISL_1104615, EPI_ISL_1104616, EPI_ISL_1104617, EPI_ISL_1104618, EPI_ISL_1104619	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_1104771, EPI_ISL_1104776, EPI_ISL_1104777, EPI_ISL_1104779, EPI_ISL_1104780, EPI_ISL_1104786, EPI_ISL_1104805, EPI_ISL_1104807, EPI_ISL_1104808, EPI_ISL_1104813, EPI_ISL_1104815, EPI_ISL_1104816, EPI_ISL_1104817, EPI_ISL_1104821, EPI_ISL_1104823, EPI_ISL_1104829, EPI_ISL_1104833, EPI_ISL_1104835, EPI_ISL_1104837, EPI_ISL_1104839, EPI_ISL_1104840, EPI_ISL_1104845, EPI_ISL_1104850, EPI_ISL_1104851, EPI_ISL_1104852, EPI_ISL_1104853, EPI_ISL_1104858, EPI_ISL_1104860, EPI_ISL_1104861, EPI_ISL_1104862, EPI_ISL_1104865, EPI_ISL_1104866, EPI_ISL_1104870, EPI_ISL_1104871, EPI_ISL_1105163, EPI_ISL_1105201, EPI_ISL_1105220, EPI_ISL_1105332, EPI_ISL_1105342, EPI_ISL_1105346, EPI_ISL_1105347			
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_1105463, EPI_ISL_1105465	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_1105851, EPI_ISL_1105852, EPI_ISL_1105853, EPI_ISL_1105854, EPI_ISL_1105855, EPI_ISL_1105856, EPI_ISL_1105857, EPI_ISL_1105858, EPI_ISL_1105859, EPI_ISL_1105860	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_1106645	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_1107634, EPI_ISL_1107635, EPI_ISL_1107636, EPI_ISL_1107650, EPI_ISL_1107651, EPI_ISL_1107652, EPI_ISL_1107653, EPI_ISL_1107654	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_1108970, EPI_ISL_1108983, EPI_ISL_1109013, EPI_ISL_1109024, EPI_ISL_1109025, EPI_ISL_1109027, EPI_ISL_1109029, EPI_ISL_1109031, EPI_ISL_1109033, EPI_ISL_1109034, EPI_ISL_1109038, EPI_ISL_1109039, EPI_ISL_1109040, EPI_ISL_1109041	see above	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_1177707, EPI_ISL_1177708, EPI_ISL_1177729, EPI_ISL_1177731, EPI_ISL_1177733	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_1177890	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 Ituriza-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_1178143, EPI_ISL_1178144, EPI_ISL_1178145, EPI_ISL_1178146, EPI_ISL_1178147, EPI_ISL_1178193, EPI_ISL_1178194, EPI_ISL_1178195, EPI_ISL_1178196, EPI_ISL_1178197, EPI_ISL_1178198, EPI_ISL_1178199, EPI_ISL_1178200, EPI_ISL_1178201, EPI_ISL_1178202, EPI_ISL_1178203, EPI_ISL_1178204, EPI_ISL_1178205, EPI_ISL_1178207, EPI_ISL_1178208, EPI_ISL_1178209, EPI_ISL_1178210, EPI_ISL_1178211, EPI_ISL_1178212, EPI_ISL_1178213, EPI_ISL_1178214, EPI_ISL_1178215, EPI_ISL_1178216, EPI_ISL_1178217, EPI_ISL_1178218, EPI_ISL_1178219, EPI_ISL_1178220, EPI_ISL_1178221, EPI_ISL_1178222	see above	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusra Taha, Gary Eltringham
EPI_ISL_1178435, EPI_ISL_1178438, EPI_ISL_1178439, EPI_ISL_1178441, EPI_ISL_1178445, EPI_ISL_1178447, EPI_ISL_1178449, EPI_ISL_1178452, EPI_ISL_1178453, EPI_ISL_1178455, EPI_ISL_1178457, EPI_ISL_1178459, EPI_ISL_1178463, EPI_ISL_1178472, EPI_ISL_1178474, EPI_ISL_1178477, EPI_ISL_1178478, EPI_ISL_1178480, EPI_ISL_1178482, EPI_ISL_1178483, EPI_ISL_1178487, EPI_ISL_1178493, EPI_ISL_1178495, EPI_ISL_1178507	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 Yahir, 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_1178826	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_1179155	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_1179831, EPI_ISL_1179833	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_1179911, EPI_ISL_1179933, EPI_ISL_1179935, EPI_ISL_1179936, EPI_ISL_1179951, EPI_ISL_1179952, EPI_ISL_1179953, EPI_ISL_1179954, EPI_ISL_1179955, EPI_ISL_1179956, EPI_ISL_1179957, EPI_ISL_1179958, EPI_ISL_1179959, EPI_ISL_1179977, EPI_ISL_1179978, EPI_ISL_1179983, EPI_ISL_1179990, EPI_ISL_1179991, EPI_ISL_1179992, EPI_ISL_1179993, EPI_ISL_1179994, EPI_ISL_1179995, EPI_ISL_1179996, EPI_ISL_1180017, EPI_ISL_1180023, EPI_ISL_1180024, EPI_ISL_1180025, EPI_ISL_1180026, EPI_ISL_1180027, EPI_ISL_1180028	see above	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_1180083, EPI_ISL_1180087	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_1187053, EPI_ISL_1187064, EPI_ISL_1187068, EPI_ISL_1187069, EPI_ISL_1187073, EPI_ISL_1187103, EPI_ISL_1187113, EPI_ISL_1187114, EPI_ISL_1187130, EPI_ISL_1187136, EPI_ISL_1187140, EPI_ISL_1187146, EPI_ISL_1187165, EPI_ISL_1187171, EPI_ISL_1187176, EPI_ISL_1187177, EPI_ISL_1187192, EPI_ISL_1187193, EPI_ISL_1187204, EPI_ISL_1187218, EPI_ISL_1187219, EPI_ISL_1187221, EPI_ISL_1187225, EPI_ISL_1187226, EPI_ISL_1187237, EPI_ISL_1187240, EPI_ISL_1187245, EPI_ISL_1187253, EPI_ISL_1206041, EPI_ISL_1206042, EPI_ISL_1206043, EPI_ISL_1206044, EPI_ISL_1206046, EPI_ISL_1206048, EPI_ISL_1206049, EPI_ISL_1206052, EPI_ISL_1206053, EPI_ISL_1206055, EPI_ISL_1206057, EPI_ISL_1206059, EPI_ISL_1206060, EPI_ISL_1206061, EPI_ISL_1206062, EPI_ISL_1206063, EPI_ISL_1206064, EPI_ISL_1206069, EPI_ISL_1206070, EPI_ISL_1206071, EPI_ISL_1206072, EPI_ISL_1206074, EPI_ISL_1206083, EPI_ISL_1206085, EPI_ISL_1206086, EPI_ISL_1206088, EPI_ISL_1206089, EPI_ISL_1206094, EPI_ISL_1206095, EPI_ISL_1206098, EPI_ISL_1206099, EPI_ISL_1206101, EPI_ISL_1206102, EPI_ISL_1206103, EPI_ISL_1206105, EPI_ISL_1206106, EPI_ISL_1206107, EPI_ISL_1206116, EPI_ISL_1206119, EPI_ISL_1206120, EPI_ISL_1206121, EPI_ISL_1206122, EPI_ISL_1206126, EPI_ISL_1206129, EPI_ISL_1206131, EPI_ISL_1206135, EPI_ISL_1206138, EPI_ISL_1206140, EPI_ISL_1206141, EPI_ISL_1206142, EPI_ISL_1206144, EPI_ISL_1206146, EPI_ISL_1206147, EPI_ISL_1206149, EPI_ISL_1206154, EPI_ISL_1206155, EPI_ISL_1206158, EPI_ISL_1206160, EPI_ISL_1206162, EPI_ISL_1206163, EPI_ISL_1206165, EPI_ISL_1206168, EPI_ISL_1206172, EPI_ISL_1206173, EPI_ISL_1206178, EPI_ISL_1206180, EPI_ISL_1206183, EPI_ISL_1206186, EPI_ISL_1206187, EPI_ISL_1206191, EPI_ISL_1206192, EPI_ISL_1206196, EPI_ISL_1206198, EPI_ISL_1206200, EPI_ISL_1206203, EPI_ISL_1206207, EPI_ISL_1206213, EPI_ISL_1206217, EPI_ISL_1206221, EPI_ISL_1206222, EPI_ISL_1206226, EPI_ISL_1206230, EPI_ISL_1206233, EPI_ISL_1206237, EPI_ISL_1206244, EPI_ISL_1206245, EPI_ISL_1206248, EPI_ISL_1206251, EPI_ISL_1206258, EPI_ISL_1206262, EPI_ISL_1206263, EPI_ISL_1206266, EPI_ISL_1206268, EPI_ISL_1206272, EPI_ISL_1206275, EPI_ISL_1206279, EPI_ISL_1206280, EPI_ISL_1206284, EPI_ISL_1206291, EPI_ISL_1223161, EPI_ISL_1223164, EPI_ISL_1223174, EPI_ISL_1223224, EPI_ISL_1223240, EPI_ISL_1223245, EPI_ISL_1223288, EPI_ISL_1223291, EPI_ISL_1223383, EPI_ISL_1223391, EPI_ISL_1223392, EPI_ISL_1223401, EPI_ISL_1223404, EPI_ISL_1223411, EPI_ISL_1223424, EPI_ISL_1223426, EPI_ISL_1223435, EPI_ISL_1242052, EPI_ISL_1242057, EPI_ISL_1242066, EPI_ISL_1242096, EPI_ISL_1242124, EPI_ISL_1242132, EPI_ISL_1242136, EPI_ISL_1242145, EPI_ISL_1242149, EPI_ISL_1242162, EPI_ISL_1242179, EPI_ISL_1242187, EPI_ISL_1242188, EPI_ISL_1242211, EPI_ISL_1242225, EPI_ISL_1242227, EPI_ISL_1242280	see above	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_1247689, EPI_ISL_1247690, EPI_ISL_1247693, EPI_ISL_1247729	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_1247819, EPI_ISL_1247820, EPI_ISL_1247821, EPI_ISL_1247822	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 Ituriza-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_1248167, EPI_ISL_1248188, EPI_ISL_1248207, EPI_ISL_1248208, EPI_ISL_1248209, EPI_ISL_1248210, EPI_ISL_1248211, EPI_ISL_1248212, EPI_ISL_1248213	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_1248939, EPI_ISL_1248940, EPI_ISL_1248941, EPI_ISL_1248942, EPI_ISL_1248943, EPI_ISL_1248944, EPI_ISL_1248946, EPI_ISL_1248948, EPI_ISL_1248952, EPI_ISL_1248954, EPI_ISL_1248957, EPI_ISL_1248960, EPI_ISL_1248974, EPI_ISL_1249038, EPI_ISL_1249039, EPI_ISL_1249042	see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Elumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_1249220, EPI_ISL_1249221, EPI_ISL_1249222, EPI_ISL_1249223	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	Respiratory Virus Unit, National Infection Service, Public Health England	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_1296578, EPI_ISL_1296581, EPI_ISL_1296582, EPI_ISL_1296585, EPI_ISL_1296586, EPI_ISL_1296588			COVID-19 Genomics UK (COG-UK) Consortium	
EPI_ISL_1308546, EPI_ISL_1308557, EPI_ISL_1308558, EPI_ISL_1308560, EPI_ISL_1308571, EPI_ISL_1308575, EPI_ISL_1308576, EPI_ISL_1308577, EPI_ISL_1308639		University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	
EPI_ISL_1308819, EPI_ISL_1308820, EPI_ISL_1308824, EPI_ISL_1308850, EPI_ISL_1308854, EPI_ISL_1308855		Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh	COVID-19 Genomics UK (COG-UK) Consortium	
EPI_ISL_1309055, EPI_ISL_1309063, EPI_ISL_1309066, EPI_ISL_1309110	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_1309668, EPI_ISL_1309669, EPI_ISL_1309673	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_1310349	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_1333481, EPI_ISL_1333488, EPI_ISL_1333490, EPI_ISL_1333491, EPI_ISL_1333492, EPI_ISL_1333500, EPI_ISL_1333502, EPI_ISL_1333504, EPI_ISL_1333505, EPI_ISL_1333507, EPI_ISL_1333508, EPI_ISL_1333834, EPI_ISL_1333835, EPI_ISL_1333836, EPI_ISL_1333839, EPI_ISL_1333935, EPI_ISL_1333941	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_1386883	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_1387166	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_1387219	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_1391414	Barts Health NHS Trust		Barts Health NHS Trust	KARAA, Esin; CUTINO-MOGUEL, Maria-Teresa; HARRINGTON, David; OWOYEMI, Dola; KULASEGARAN-SHYLINI, Raghavendran; BROAD, Claire; KELE, Beatrix
EPI_ISL_1474666	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_1474838	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_1475010, EPI_ISL_1475011, EPI_ISL_1475012, EPI_ISL_1475013, EPI_ISL_1475014, EPI_ISL_1475015, EPI_ISL_1475016, EPI_ISL_1475040, EPI_ISL_1475042, EPI_ISL_1475045, EPI_ISL_1475046, EPI_ISL_1475049, EPI_ISL_1475050, EPI_ISL_1475057, EPI_ISL_1475058, EPI_ISL_1475059, EPI_ISL_1475060, EPI_ISL_1475119, EPI_ISL_1475120, EPI_ISL_1475124, EPI_ISL_1475125, EPI_ISL_1475127, EPI_ISL_1475131	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_1476455, EPI_ISL_1476484, EPI_ISL_1476486, EPI_ISL_1476488, EPI_ISL_1476499	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_919149, EPI_ISL_919150, EPI_ISL_919151, EPI_ISL_919152, EPI_ISL_919153, EPI_ISL_919154, EPI_ISL_919155, EPI_ISL_919156, EPI_ISL_919157, EPI_ISL_919158, EPI_ISL_919159, EPI_ISL_919160, EPI_ISL_919161, EPI_ISL_919162, EPI_ISL_919163, EPI_ISL_919164, EPI_ISL_919165, EPI_ISL_919166, EPI_ISL_919167, EPI_ISL_919168, EPI_ISL_919169, EPI_ISL_919170, EPI_ISL_919171, EPI_ISL_919172, EPI_ISL_919173, EPI_ISL_919174, EPI_ISL_919175, EPI_ISL_919176, EPI_ISL_919177, EPI_ISL_919179, EPI_ISL_919180, EPI_ISL_919181, EPI_ISL_919182, EPI_ISL_919183, EPI_ISL_919184, EPI_ISL_919185, EPI_ISL_919186, EPI_ISL_919187, EPI_ISL_919188, EPI_ISL_919189	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_919405	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_919629, EPI_ISL_919630, EPI_ISL_919663, EPI_ISL_919706, EPI_ISL_919707, EPI_ISL_919708, EPI_ISL_919709, EPI_ISL_919710, EPI_ISL_919712, EPI_ISL_919713, EPI_ISL_919714, EPI_ISL_919715, EPI_ISL_919716, EPI_ISL_919717, EPI_ISL_919718, EPI_ISL_919719, EPI_ISL_919720, EPI_ISL_919721, EPI_ISL_919722, EPI_ISL_919723, EPI_ISL_919724	see above	Liverpool Clinical Laboratories	COVID-19 Genomics UK (COG-UK) Consortium	Sam Haldenby, Anita Lucaci, Steve Paterson, Julian Hiscox, Alistair Darby, M Almsaud, A Alrezaihi, Muhannad Alruwaili, Stuart D Armstrong, Jones Benjamin, Eleanor G Bentley, Anu Chawla, Jordan J Clark, Angela Cowell, Richard Eccles, Isabel Garcia-Dorival, Matthew Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Miren Iturriza-Gomara, James Johnson, L Luu, Jenifer Manson, Charlotte Nelson, Elaine O'Toole, Cassie Olateju, Rebekah Penrice-Randal, Lucille Rainbow, N.P Randle, Trevor Ian Robinson, Parul Sharma, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_919871, EPI_ISL_919872, EPI_ISL_919873, EPI_ISL_919881, EPI_ISL_919903, EPI_ISL_919904, EPI_ISL_919905, EPI_ISL_919906, EPI_ISL_919907, EPI_ISL_919908, EPI_ISL_919909, EPI_ISL_919910, EPI_ISL_919911, EPI_ISL_919912, EPI_ISL_919913, EPI_ISL_919914, EPI_ISL_919915, EPI_ISL_919916, EPI_ISL_919917, EPI_ISL_919918, EPI_ISL_919919, EPI_ISL_919927, EPI_ISL_919928, EPI_ISL_919929, EPI_ISL_919930, EPI_ISL_919931, EPI_ISL_919932, EPI_ISL_919934, EPI_ISL_919935, EPI_ISL_919936, EPI_ISL_919937, EPI_ISL_919938, EPI_ISL_919939, EPI_ISL_919940, EPI_ISL_919941, EPI_ISL_919942				

EPI_ISL_919943, EPI_ISL_919944, EPI_ISL_919946, EPI_ISL_919947, EPI_ISL_919948, EPI_ISL_919949, EPI_ISL_919950, EPI_ISL_919951, EPI_ISL_919953, EPI_ISL_919954, EPI_ISL_919956, EPI_ISL_919958, EPI_ISL_919959, EPI_ISL_919960, EPI_ISL_920092, EPI_ISL_920093, EPI_ISL_920094, EPI_ISL_920095, EPI_ISL_920096, EPI_ISL_920097, EPI_ISL_920098, EPI_ISL_920099, EPI_ISL_920100, EPI_ISL_920101, EPI_ISL_920102, EPI_ISL_920103, EPI_ISL_920104, EPI_ISL_920105, EPI_ISL_920106, EPI_ISL_920107, EPI_ISL_920108, EPI_ISL_920109, EPI_ISL_920110, EPI_ISL_920111, EPI_ISL_920112, EPI_ISL_920113, EPI_ISL_920114, EPI_ISL_920115, EPI_ISL_920116, EPI_ISL_920152			
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_920671, EPI_ISL_920685, EPI_ISL_920693, EPI_ISL_920701, EPI_ISL_920702, EPI_ISL_920723, EPI_ISL_920724, EPI_ISL_920725, EPI_ISL_920728, EPI_ISL_920731, EPI_ISL_920732, EPI_ISL_920733, EPI_ISL_920734, EPI_ISL_920752, EPI_ISL_920756, EPI_ISL_920757, EPI_ISL_920758, EPI_ISL_920761, EPI_ISL_920763, EPI_ISL_920771, EPI_ISL_920776, EPI_ISL_920777, EPI_ISL_920778, EPI_ISL_920779, EPI_ISL_920780			
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_921659, EPI_ISL_921660, EPI_ISL_921661, EPI_ISL_921662	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 Barron, Emma Swindells, Brendan Payne, Jennifer Collins, Yusra Taha, Gary Eltringham
EPI_ISL_922037, EPI_ISL_922038, EPI_ISL_922039, EPI_ISL_922040	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 Tsoleiridis, Nadine Holmes, Matthew Carlisle, Christopher Moore, Fei Sang, Johnny Debebe, Victoria Wright, Matthew Loose
EPI_ISL_923349	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_924082, EPI_ISL_924085, EPI_ISL_924087, EPI_ISL_924089, EPI_ISL_924092, EPI_ISL_924097, EPI_ISL_924099, EPI_ISL_924103, EPI_ISL_924105, EPI_ISL_924109, EPI_ISL_924111, EPI_ISL_924112, EPI_ISL_924117, EPI_ISL_924118, EPI_ISL_924125, EPI_ISL_924126, EPI_ISL_924129, EPI_ISL_924131, EPI_ISL_924136, EPI_ISL_924142, EPI_ISL_924144, EPI_ISL_924146, EPI_ISL_924151, EPI_ISL_924160, EPI_ISL_924163, EPI_ISL_924165, EPI_ISL_924173, EPI_ISL_924183, EPI_ISL_924184, EPI_ISL_924185, EPI_ISL_924186, EPI_ISL_924191, EPI_ISL_924193, EPI_ISL_924198, EPI_ISL_924200, EPI_ISL_924201, EPI_ISL_924209, EPI_ISL_924212, EPI_ISL_924216, EPI_ISL_924217, EPI_ISL_924223, EPI_ISL_924227, EPI_ISL_924228, EPI_ISL_924229, EPI_ISL_924235, EPI_ISL_924238, EPI_ISL_924243, EPI_ISL_924249, EPI_ISL_924251, EPI_ISL_924258, EPI_ISL_924263, EPI_ISL_924269, EPI_ISL_924273, EPI_ISL_924276, EPI_ISL_924277, EPI_ISL_924282, EPI_ISL_924287, EPI_ISL_924297, EPI_ISL_924298, EPI_ISL_924304, EPI_ISL_924305, EPI_ISL_924306, EPI_ISL_924308, EPI_ISL_924313, EPI_ISL_924330, EPI_ISL_924335, EPI_ISL_924339, EPI_ISL_924340, EPI_ISL_924350, EPI_ISL_924352, EPI_ISL_924356, EPI_ISL_924359, EPI_ISL_924361, EPI_ISL_924366, EPI_ISL_924368, EPI_ISL_924374, EPI_ISL_924377, EPI_ISL_924379, EPI_ISL_924382, EPI_ISL_924390, EPI_ISL_924410, EPI_ISL_924414			
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_931586, EPI_ISL_931587, EPI_ISL_931588, EPI_ISL_931590, EPI_ISL_931591, EPI_ISL_931592, EPI_ISL_931593, EPI_ISL_931594, EPI_ISL_931596, EPI_ISL_931597, EPI_ISL_931600, EPI_ISL_931601, EPI_ISL_931602, EPI_ISL_931603, EPI_ISL_931604, EPI_ISL_931605, EPI_ISL_931606, EPI_ISL_931607, EPI_ISL_931608, EPI_ISL_931609, EPI_ISL_931610, EPI_ISL_931611, EPI_ISL_931612, EPI_ISL_931613, EPI_ISL_931614, EPI_ISL_931615, EPI_ISL_931616, EPI_ISL_931619, EPI_ISL_931620, EPI_ISL_931621, EPI_ISL_931622, EPI_ISL_931623, EPI_ISL_931624, EPI_ISL_931625, EPI_ISL_931626, EPI_ISL_931627, EPI_ISL_931628, EPI_ISL_931629, EPI_ISL_931630, EPI_ISL_931631, EPI_ISL_931632, EPI_ISL_931633, EPI_ISL_931634, EPI_ISL_931635, EPI_ISL_931636, EPI_ISL_931637, EPI_ISL_931638, EPI_ISL_931639, EPI_ISL_931640, EPI_ISL_931641, EPI_ISL_931642, EPI_ISL_931643, EPI_ISL_931644, EPI_ISL_931645, EPI_ISL_931646, EPI_ISL_931647, EPI_ISL_931648, EPI_ISL_931649, EPI_ISL_931650, EPI_ISL_931651, EPI_ISL_931652, EPI_ISL_931653, EPI_ISL_931654, EPI_ISL_931655, EPI_ISL_931656, EPI_ISL_931657, EPI_ISL_931658, EPI_ISL_931659, EPI_ISL_931660, EPI_ISL_931661, EPI_ISL_931662, EPI_ISL_931663, EPI_ISL_931664, EPI_ISL_931665, EPI_ISL_931666, EPI_ISL_931667, EPI_ISL_931668, EPI_ISL_931669, EPI_ISL_931670, EPI_ISL_931671, EPI_ISL_931672, EPI_ISL_931673, EPI_ISL_931674, EPI_ISL_931675, EPI_ISL_931676, EPI_ISL_931677, EPI_ISL_931678, EPI_ISL_931679, EPI_ISL_931680, EPI_ISL_931681, EPI_ISL_931682, EPI_ISL_931683, EPI_ISL_931684, EPI_ISL_931685, EPI_ISL_931686, EPI_ISL_931687, EPI_ISL_931688, EPI_ISL_931689, EPI_ISL_931690, EPI_ISL_931691, EPI_ISL_931692, EPI_ISL_931693, EPI_ISL_931694, EPI_ISL_931695, EPI_ISL_931696, EPI_ISL_931697, EPI_ISL_931698, EPI_ISL_931699, EPI_ISL_931700, EPI_ISL_931701, EPI_ISL_931702, EPI_ISL_931703, EPI_ISL_931704, EPI_ISL_931705, EPI_ISL_931706, EPI_ISL_931707, EPI_ISL_931708, EPI_ISL_931709, EPI_ISL_931710, EPI_ISL_931711, EPI_ISL_931712, EPI_ISL_931713, EPI_ISL_931714, EPI_ISL_931715, EPI_ISL_931716, EPI_ISL_931717, EPI_ISL_931718, EPI_ISL_931719, EPI_ISL_931720, EPI_ISL_931721, EPI_ISL_931722, EPI_ISL_931723, EPI_ISL_931724, EPI_ISL_931725, EPI_ISL_931727, EPI_ISL_931728, EPI_ISL_931729, EPI_ISL_931730, EPI_ISL_931731, EPI_ISL_931732, EPI_ISL_931733, EPI_ISL_931734, EPI_ISL_931735, EPI_ISL_931736, EPI_ISL_931737, EPI_ISL_931738, EPI_ISL_931739, EPI_ISL_931740, EPI_ISL_931741, EPI_ISL_931742, EPI_ISL_931743, EPI_ISL_931744, EPI_ISL_931745, EPI_ISL_931746, EPI_ISL_931747, EPI_ISL_931748, EPI_ISL_931749, EPI_ISL_931750, EPI_ISL_931751, EPI_ISL_931752, EPI_ISL_931753, EPI_ISL_931754, EPI_ISL_931755, EPI_ISL_931756, EPI_ISL_931757, EPI_ISL_931758, EPI_ISL_931759, EPI_ISL_931760, EPI_ISL_931761, EPI_ISL_931762, EPI_ISL_931763, EPI_ISL_931764, EPI_ISL_931765, EPI_ISL_931766, EPI_ISL_931767, EPI_ISL_931768, EPI_ISL_931769, EPI_ISL_931770, EPI_ISL_931771, EPI_ISL_931772, EPI_ISL_931773, EPI_ISL_931774, EPI_ISL_931775, EPI_ISL_931776, EPI_ISL_931777, EPI_ISL_931778, EPI_ISL_931779, EPI_ISL_931780, EPI_ISL_931781, EPI_ISL_931782, EPI_ISL_931783, EPI_ISL_931784, EPI_ISL_931785, EPI_ISL_931786, EPI_ISL_931787, EPI_ISL_931788, EPI_ISL_931789, EPI_ISL_931790, EPI_ISL_931791, EPI_ISL_931792, EPI_ISL_931793, EPI_ISL_931794, EPI_ISL_931795, EPI_ISL_931796, EPI_ISL_931797, EPI_ISL_931798, EPI_ISL_931799, EPI_ISL_931800, EPI_ISL_931801, EPI_ISL_931802, EPI_ISL_931803, EPI_ISL_931804, EPI_ISL_931805, EPI_ISL_931806, EPI_ISL_931807, EPI_ISL_931808, EPI_ISL_931809, EPI_ISL_931810, EPI_ISL_931811, EPI_ISL_931812, EPI_ISL_931813, EPI_ISL_931814, EPI_ISL_931815, EPI_ISL_931816, EPI_ISL_931817, EPI_ISL_931818, EPI_ISL_931819, EPI_ISL_931820, EPI_ISL_931821, EPI_ISL_931822, EPI_ISL_931823, EPI_ISL_931824, EPI_ISL_931825, EPI_ISL_931826, EPI_ISL_931827, EPI_ISL_931828, EPI_ISL_931829, EPI_ISL_931830, EPI_ISL_931831, EPI_ISL_931832, EPI_ISL_931833, EPI_ISL_931834, EPI_ISL_931835, EPI_ISL_931836, EPI_ISL_931837, EPI_ISL_931838, EPI_ISL_931839, EPI_ISL_931840, EPI_ISL_931841, EPI_ISL_931842, EPI_ISL_931843, EPI_ISL_931844, EPI_ISL_931845, EPI_ISL_931846, EPI_ISL_931847, EPI_ISL_931848, EPI_ISL_931849, EPI_ISL_931850, EPI_ISL_931851, EPI_ISL_931852, EPI_ISL_931853, EPI_ISL_931854, EPI_ISL_931855, EPI_ISL_931856, EPI_ISL_931857, EPI_ISL_931858, EPI_ISL_931859, EPI_ISL_931860, EPI_ISL_931861, EPI_ISL_931862, EPI_ISL_931863, EPI_ISL_931864, EPI_ISL_931865, EPI_ISL_931866, EPI_ISL_931867, EPI_ISL_931868, EPI_ISL_931869, EPI_ISL_931870, EPI_ISL_931871, EPI_ISL_931872, EPI_ISL_931873, EPI_ISL_931874, EPI_ISL_931875, EPI_ISL_931876, EPI_ISL_931877, EPI_ISL_931878, EPI_ISL_931879, EPI_ISL_931880, EPI_ISL_931881, EPI_ISL_931882, EPI_ISL_931883, EPI_ISL_931884, EPI_ISL_931885, EPI_ISL_931886, EPI_ISL_931887, EPI_ISL_931888, EPI_ISL_931889, EPI_ISL_931890, EPI_ISL_931891, EPI_ISL_931892, EPI_ISL_931893, EPI_ISL_931894, EPI_ISL_931895, EPI_ISL_931896, EPI_ISL_931897, EPI_ISL_931898, EPI_ISL_931899, EPI_ISL_931900, EPI_ISL_931901, EPI_ISL_931902, EPI_ISL_931903, EPI_ISL_931904, EPI_ISL_931905, EPI_ISL_931906, EPI_ISL_931907, EPI_ISL_931908, EPI_ISL_931909, EPI_ISL_931910, EPI_ISL_931911, EPI_ISL_931912, EPI_ISL_931913, EPI_ISL_931914, EPI_ISL_931915, EPI_ISL_931916, EPI_ISL_931917, EPI_ISL_931918, EPI_ISL_931919, EPI_ISL_931920, EPI_ISL_931921, EPI_ISL_931922, EPI_ISL_931923, EPI_ISL_931924, EPI_ISL_931925, EPI_ISL_931926, EPI_ISL_931927, EPI_ISL_931928, EPI_ISL_931929, EPI_ISL_931930, EPI_ISL_931931, EPI_ISL_931932, EPI_ISL_931933, EPI_ISL_931934, EPI_ISL_931935, EPI_ISL_931936, EPI_ISL_931937, EPI_ISL_931938, EPI_ISL_931939, EPI_ISL_931940, EPI_ISL_931941, EPI_ISL_931942, EPI_ISL_931943, EPI_ISL_931944, EPI_ISL_931945, EPI_ISL_931946, EPI_ISL_931947, EPI_ISL_931948, EPI_ISL_931949, EPI_ISL_931950, EPI_ISL_931951, EPI_ISL_931952, EPI_ISL_931953, EPI_ISL_931954, EPI_ISL_931955, EPI_ISL_931956, EPI_ISL_931957, EPI_ISL_931958, EPI_ISL_931959, EPI_ISL_931960, EPI_ISL_931961, EPI_ISL_931962, EPI_ISL_931963, EPI_ISL_931964, EPI_ISL_931965, EPI_ISL_931966, EPI_ISL_931967, EPI_ISL_931968, EPI_ISL_931969, EPI_ISL_931970, EPI_ISL_931971, EPI_ISL_931972, EPI_ISL_931973, EPI_ISL_931974, EPI_ISL_931975, EPI_ISL_931976, EPI_ISL_931977, EPI_ISL_931978, EPI_ISL_931979, EPI_ISL_931980, EPI_ISL_931981, EPI_ISL_931982, EPI_ISL_931983, EPI_ISL_931984, EPI_ISL_931985, EPI_ISL_931986, EPI_ISL_931987, EPI_ISL_931988, EPI_ISL_931989, EPI_ISL_931990, EPI_ISL_931991, EPI_ISL_931992, EPI_ISL_931993, EPI_ISL_931994, EPI_ISL_931995, EPI_ISL_931996, EPI_ISL_931997, EPI_ISL_931998, EPI_ISL_931999, EPI_ISL_932000, EPI_ISL_932001, EPI_ISL_932002, EPI_ISL_932003, EPI_ISL_932004, EPI_ISL_932005, EPI_ISL_932006, EPI_ISL_932007, EPI_ISL_932008, EPI_ISL_932009, EPI_ISL_932010, EPI_ISL_932011, EPI_ISL_932012, EPI_ISL_932013, EPI_ISL_932014, EPI_ISL_932015, EPI_ISL_932016, EPI_ISL_932017, EPI_ISL_932018, EPI_ISL_932019, EPI_ISL_932020, EPI_ISL_932021, EPI_ISL_932022, EPI_ISL_932023, EPI_ISL_932024, EPI_ISL_932025, EPI_ISL_932026, EPI_ISL_932027, EPI_ISL_932028, EPI_ISL_932029, EPI_ISL_932030, EPI_ISL_932031, EPI_ISL_932032, EPI_ISL_932033, EPI_ISL_932034, EPI_ISL_932035, EPI_ISL_932036, EPI_ISL_932037, EPI_ISL_932038, EPI_ISL_932039, EPI_ISL_932040, EPI_ISL_932041, EPI_ISL_932042, EPI_ISL_932043, EPI_ISL_932044, EPI_ISL_932045, EPI_ISL_932046, EPI_ISL_932047, EPI_ISL_932048, EPI_ISL_932049, EPI_ISL_932050, EPI_ISL_932051, EPI_ISL_932052, EPI_ISL_932053, EPI_ISL_932054, EPI_ISL_932055, EPI_ISL_932056, EPI_ISL_932057, EPI_ISL_932058, EPI_ISL_932059, EPI_ISL_932060, EPI_ISL_932061, EPI_ISL_932062, EPI_ISL_932063, EPI_ISL_932064, EPI_ISL_932065, EPI_ISL_932066, EPI_ISL_932067, EPI_ISL_932068, EPI_ISL_932069, EPI_ISL_932070, EPI_ISL_932071, EPI_ISL_932072, EPI_ISL_932073, EPI_ISL_932074, EPI_ISL_932075, EPI_ISL_932076, EPI_ISL_932077, EPI_ISL_932078, EPI_ISL_932079, EPI_ISL_932080, EPI_ISL_932081, EPI_ISL_932082, EPI_ISL_932083, EPI_ISL_932084, EPI_ISL_932085, EPI_ISL_932086, EPI_ISL_932087, EPI_ISL_932088, EPI_ISL_932089, EPI_ISL_932090, EPI_ISL_932091, EPI_ISL_932092, EPI_ISL_932093, EPI_ISL_932094, EPI_ISL_932095, EPI_ISL_932096, EPI_ISL_932097, EPI_ISL_932098, EPI_ISL_932099, EPI_ISL_932100, EPI_ISL_932101, EPI_ISL_932102, EPI_ISL_932103, EPI_ISL_932104, EPI_ISL_932105, EPI_ISL_932106, EPI_ISL_932107, EPI_ISL_932108, EPI_ISL_932109, EPI_ISL_932110, EPI_ISL_932111, EPI_ISL_932112, EPI_ISL_932113, EPI_ISL_932114, EPI_ISL_932115, EPI_ISL_932116, EPI_ISL_932117, EPI_ISL_932118, EPI_ISL_932119, EPI_ISL_932120, EPI_ISL_932121, EPI_ISL_932122, EPI_ISL_932123, EPI_ISL_932124, EPI_ISL_932125, EPI_ISL_932126, EPI_ISL_932127, EPI_ISL_932128, EPI_ISL_932129, EPI_ISL_932130, EPI_ISL_932131, EPI_ISL_932132, EPI_ISL_932133, EPI_ISL_932134, EPI_ISL_932135, EPI_ISL_932136, EPI_ISL_932137, EPI_ISL_932138, EPI_ISL_932139, EPI_ISL_932140, EPI_ISL_932141, EPI_ISL_932142, EPI_ISL_932143, EPI_ISL_932144, EPI_ISL_932145, EPI_ISL_932146, EPI_ISL_932147, EPI_ISL_932148, EPI_ISL_932149, EPI_ISL_932150, EPI_ISL_932151, EPI_ISL_932152, EPI_ISL_932153, EPI_ISL_932154, EPI_ISL_932155, EPI_ISL_932156, EPI_ISL_932157, EPI_ISL_932158, EPI_ISL_932159, EPI_ISL_932160, EPI_ISL_932161, EPI_ISL_932162, EPI_ISL_932163, EPI_ISL_932164, EPI_ISL_932165, EPI_ISL_932166, EPI_ISL_932167, EPI_ISL_932168, EPI_ISL_932169, EPI_ISL_932170, EPI_ISL_932171, EPI_ISL_932172, EPI_ISL_932173, EPI_ISL_932174, EPI_ISL_932175, EPI_ISL_932176, EPI_ISL_932177, EPI_ISL_932178, EPI_ISL_932179, EPI_ISL_932180, EPI_ISL_932181, EPI_ISL_932182, EPI_ISL_932183, EPI_ISL_932184, EPI_ISL_932185, EPI_ISL_932186, EPI_ISL_932187, EPI_ISL_932188, EPI_ISL_932189, EPI_ISL_932190, EPI_ISL_932191, EPI_ISL_932192, EPI_ISL_932193, EPI_ISL_932194, EPI_ISL_932195, EPI_ISL_932196, EPI_ISL_932197, EPI_ISL_932198, EPI_ISL_932199, EPI_ISL_932200, EPI_ISL_932201, EPI_ISL_932202, EPI_ISL_932203, EPI_ISL_932204, EPI_ISL_932205, EPI_ISL_932206, EPI_ISL_932207, EPI_ISL_932208, EPI_ISL_932209, EPI_ISL_932210, EPI_ISL_932211, EPI_ISL_932212, EPI_ISL_932213, EPI_ISL_932214, EPI_ISL_932215, EPI_ISL_932216, EPI_ISL_932217, EPI_ISL_932218, EPI_ISL_932219, EPI_ISL_932220, EPI_ISL_932221, EPI_ISL_932222, EPI_ISL_932223, EPI_ISL_932224, EPI_ISL_932225, EPI_ISL_932226, EPI_ISL_932227, EPI_ISL_932228, EPI_ISL_932229, EPI_ISL_932230, EPI_ISL_932231, EPI_ISL_932232, EPI_ISL_932233, EPI_ISL_932234, EPI_ISL_932235, EPI_ISL_932236, EPI_ISL_932237, EPI_ISL_932238, EPI_ISL_932239, EPI_ISL_932240, EPI_ISL_932241, EPI_ISL_932242, EPI_ISL_932243, EPI_ISL_932244, EPI_ISL_932245, EPI_ISL_932246, EPI_ISL_932247, EPI_ISL_932248, EPI_ISL_932249, EPI_ISL_932250			
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_932850, EPI_ISL_932853, EPI_ISL_932855, EPI_ISL_932857, EPI_ISL_932858, EPI_ISL_932859, EPI_ISL_932860, EPI_ISL_932863, EPI_ISL_932864, EPI_ISL_932865, EPI_ISL_932870, EPI_ISL_932871, EPI_ISL_932879, EPI_ISL_932884, EPI_ISL_932885, EPI_ISL_932894, EPI_ISL_932896, EPI_ISL_932897, EPI_ISL_932899, EPI_ISL_932903, EPI_ISL_932905, EPI_ISL_932908, EPI_ISL_932914, EPI_ISL_932915, EPI_ISL_932919, EPI_ISL_932920, EPI_ISL_932921, EPI_ISL_932925, EPI_ISL_932929, EPI_ISL_932930, EPI_ISL_932931, EPI_ISL_932932, EPI_ISL_932933, EPI_ISL_932934, EPI_ISL_932935, EPI_ISL_932936, EPI_ISL_932937, EPI_ISL_932938, EPI_ISL_932939, EPI_ISL_932940, EPI_ISL_932944, EPI_ISL_932948, EPI_ISL_932949, EPI_ISL_932955, EPI_ISL_932957, EPI_ISL_932958, EPI_ISL_932959, EPI_ISL_932960, EPI_ISL_932961, EPI_ISL_932966, EPI_ISL_932967, EPI_ISL_932970, EPI_ISL_932980, EPI_ISL_932981, EPI_ISL_932982, EPI_ISL_932983, EPI_ISL_932984, EPI_ISL_932985, EPI_ISL_932986, EPI_ISL_932987, EPI_ISL_932988, EPI_ISL_932989, EPI_ISL_932990, EPI_ISL_932991, EPI_ISL_932992, EPI_ISL_932993, EPI_ISL_932994, EPI_ISL_932995, EPI_ISL_932996, EPI_ISL_932997, EPI_ISL_932998, EPI_ISL_932999, EPI_ISL_933000, EPI_ISL_933001, EPI_ISL_933002, EPI_ISL_933003, EPI_ISL_933004, EPI_ISL_933005, EPI_ISL_933006, EPI_ISL_933007, EPI_ISL_933008, EPI_ISL_933009, EPI_ISL_933010, EPI_ISL_933011, EPI_ISL_933012, EPI_ISL_933013, EPI_ISL_933014, EPI_ISL_933015, EPI_ISL_933016, EPI_ISL_933017, EPI_ISL_933018, EPI_ISL_933019, EPI_ISL_933020, EPI_ISL_933021, EPI_ISL_933022, EPI_ISL_933023, EPI_ISL_933024, EPI_ISL_933025, EPI_ISL_933026, EPI_ISL_933027, EPI_ISL_933028, EPI_ISL_933029, EPI_ISL_933030, EPI_ISL_933031, EPI_ISL_933032, EPI_ISL_933033, EPI_ISL_933034, EPI_ISL_933035, EPI_ISL_933036, EPI_ISL_933037, EPI_ISL_933038, EPI_ISL_933039, EPI_ISL_933040, EPI_ISL_933041, EPI_ISL_933042, EPI_ISL_933043, EPI_ISL_933044, EPI_ISL_933045, EPI_ISL_933046, EPI_ISL_933047, EPI_ISL_933048, EPI_ISL_933049, EPI_ISL_933050, EPI_ISL_933051, EPI_ISL_933052, EPI_ISL_933053, EPI_ISL_933054, EPI_ISL_933055, EPI_ISL_933056, EPI_ISL_933057, EPI_ISL_933058, EPI_ISL_933059, EPI_ISL_933060, EPI_ISL_933061, EPI_ISL_933062, EPI_ISL_933063, EPI_ISL_933064, EPI_ISL_933065, EPI_ISL_			

EPI_ISL_937792, EPI_ISL_937795, EPI_ISL_937796, EPI_ISL_937797, EPI_ISL_937801, EPI_ISL_937804, EPI_ISL_937833, EPI_ISL_937834, EPI_ISL_937835, EPI_ISL_937836, EPI_ISL_937837, EPI_ISL_937838, EPI_ISL_937841, EPI_ISL_937842, EPI_ISL_937844, EPI_ISL_937845, EPI_ISL_937846, EPI_ISL_937847, EPI_ISL_937848, EPI_ISL_937851, EPI_ISL_937855, EPI_ISL_937856, EPI_ISL_937857, EPI_ISL_937858, EPI_ISL_937859, EPI_ISL_937861, EPI_ISL_937866, EPI_ISL_937868, EPI_ISL_937869, EPI_ISL_937870, EPI_ISL_937871, EPI_ISL_937876, EPI_ISL_937878, EPI_ISL_937879, EPI_ISL_937880, EPI_ISL_937882, EPI_ISL_937884, EPI_ISL_937885				
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_938579, EPI_ISL_938580, EPI_ISL_938582, EPI_ISL_938583, EPI_ISL_938584, EPI_ISL_938585, EPI_ISL_938586, EPI_ISL_938588, EPI_ISL_938589, EPI_ISL_938601, EPI_ISL_938602, EPI_ISL_938603, EPI_ISL_938604, EPI_ISL_938605, EPI_ISL_938606, EPI_ISL_938607, EPI_ISL_938608, EPI_ISL_938609, EPI_ISL_938611, EPI_ISL_938612, EPI_ISL_938613, EPI_ISL_938614, EPI_ISL_938615, EPI_ISL_938616, EPI_ISL_938617, EPI_ISL_938618, EPI_ISL_938620, EPI_ISL_938621, EPI_ISL_938622, EPI_ISL_938623, EPI_ISL_938624, EPI_ISL_938625, EPI_ISL_938626, EPI_ISL_938627, EPI_ISL_938628, EPI_ISL_938629, EPI_ISL_938634, EPI_ISL_938635, EPI_ISL_938636, EPI_ISL_938639, EPI_ISL_938640, EPI_ISL_938641, EPI_ISL_938642, EPI_ISL_938644, EPI_ISL_938646, EPI_ISL_938647, EPI_ISL_938648, EPI_ISL_938649, EPI_ISL_938651, EPI_ISL_938652, EPI_ISL_938653, EPI_ISL_938654, EPI_ISL_938655, EPI_ISL_938656, EPI_ISL_938657, EPI_ISL_938658, EPI_ISL_938659, EPI_ISL_938660, EPI_ISL_938661, EPI_ISL_938662, EPI_ISL_938663, EPI_ISL_938664, EPI_ISL_938665, EPI_ISL_938666, EPI_ISL_938667, EPI_ISL_938668, EPI_ISL_938669, EPI_ISL_938670, EPI_ISL_938671, EPI_ISL_938672, EPI_ISL_938673, EPI_ISL_938674, EPI_ISL_938675, EPI_ISL_938676, EPI_ISL_938677, EPI_ISL_938678, EPI_ISL_938679, EPI_ISL_938680, EPI_ISL_938681, EPI_ISL_938682, EPI_ISL_938683, EPI_ISL_938684, EPI_ISL_938685, EPI_ISL_938686, EPI_ISL_938687, EPI_ISL_938688, EPI_ISL_938689, EPI_ISL_938690, EPI_ISL_938691, EPI_ISL_938692, EPI_ISL_938693, EPI_ISL_938694, EPI_ISL_938695, EPI_ISL_938696, EPI_ISL_938697, EPI_ISL_938698, EPI_ISL_938699, EPI_ISL_938700, EPI_ISL_938701, EPI_ISL_938702, EPI_ISL_938703, EPI_ISL_938704, EPI_ISL_938705, EPI_ISL_938706, EPI_ISL_938707, EPI_ISL_938708, EPI_ISL_938709, EPI_ISL_938710, EPI_ISL_938711, EPI_ISL_938712, EPI_ISL_938713, EPI_ISL_938714, EPI_ISL_938715, EPI_ISL_938716, EPI_ISL_938717, EPI_ISL_938718, EPI_ISL_938719, EPI_ISL_938720, EPI_ISL_938721, EPI_ISL_938722, EPI_ISL_938723, EPI_ISL_938724, EPI_ISL_938725, EPI_ISL_938726, EPI_ISL_938727, EPI_ISL_938728, EPI_ISL_938729, EPI_ISL_938730, EPI_ISL_938731, EPI_ISL_938732, EPI_ISL_938733, EPI_ISL_938734, EPI_ISL_938735, EPI_ISL_938736, EPI_ISL_938737, EPI_ISL_938738, EPI_ISL_938739, EPI_ISL_938740, EPI_ISL_938741, EPI_ISL_938742, EPI_ISL_938743, EPI_ISL_938744, EPI_ISL_938745, EPI_ISL_938746, EPI_ISL_938747, EPI_ISL_938748, EPI_ISL_938749, EPI_ISL_938750, EPI_ISL_938751, EPI_ISL_938752, EPI_ISL_938753, EPI_ISL_938754, EPI_ISL_938755, EPI_ISL_938756, EPI_ISL_938757, EPI_ISL_938758, EPI_ISL_938759, EPI_ISL_938760, EPI_ISL_938761, EPI_ISL_938762, EPI_ISL_938763, EPI_ISL_938764, EPI_ISL_938765, EPI_ISL_938766, EPI_ISL_938767, EPI_ISL_938768, EPI_ISL_938769, EPI_ISL_938770, EPI_ISL_938771, EPI_ISL_938772, EPI_ISL_938773, EPI_ISL_938774, EPI_ISL_938775, EPI_ISL_938776, EPI_ISL_938777, EPI_ISL_938778, EPI_ISL_938779, EPI_ISL_938780, EPI_ISL_938781, EPI_ISL_938782, EPI_ISL_938783, EPI_ISL_938784, EPI_ISL_938785, EPI_ISL_938786, EPI_ISL_938787, EPI_ISL_938788, EPI_ISL_938789, EPI_ISL_938790, EPI_ISL_938791, EPI_ISL_938792, EPI_ISL_938793, EPI_ISL_938794, EPI_ISL_938795, EPI_ISL_938796, EPI_ISL_938797, EPI_ISL_938798, EPI_ISL_938799, EPI_ISL_938800, EPI_ISL_938801, EPI_ISL_938802, EPI_ISL_938803, EPI_ISL_938804, EPI_ISL_938805, EPI_ISL_938806, EPI_ISL_938807, EPI_ISL_938808, EPI_ISL_938809, EPI_ISL_938810, EPI_ISL_938811, EPI_ISL_938812, EPI_ISL_938813, EPI_ISL_938814, EPI_ISL_938815, EPI_ISL_938816, EPI_ISL_938817, EPI_ISL_938818, EPI_ISL_938819, EPI_ISL_938820, EPI_ISL_938821, EPI_ISL_938822, EPI_ISL_938823, EPI_ISL_938824, EPI_ISL_938825, EPI_ISL_938826, EPI_ISL_938827, EPI_ISL_938828, EPI_ISL_938829, EPI_ISL_938830, EPI_ISL_938831, EPI_ISL_938832, EPI_ISL_938833, EPI_ISL_938834, EPI_ISL_938835, EPI_ISL_938836, EPI_ISL_938837, EPI_ISL_938838, EPI_ISL_938839, EPI_ISL_938840, EPI_ISL_938841, EPI_ISL_938842, EPI_ISL_938843, EPI_ISL_938844, EPI_ISL_938845, EPI_ISL_938846, EPI_ISL_938847, EPI_ISL_938848, EPI_ISL_938849, EPI_ISL_938850, EPI_ISL_938851, EPI_ISL_938852, EPI_ISL_938853, EPI_ISL_938854, EPI_ISL_938855, EPI_ISL_938856, EPI_ISL_938857, EPI_ISL_938858, EPI_ISL_938859, EPI_ISL_938860, EPI_ISL_938861, EPI_ISL_938862, EPI_ISL_938863, EPI_ISL_938864, EPI_ISL_938865, EPI_ISL_938866, EPI_ISL_938867, EPI_ISL_938868, EPI_ISL_938869, EPI_ISL_938870, EPI_ISL_938871, EPI_ISL_938872, EPI_ISL_938873, EPI_ISL_938874, EPI_ISL_938875, EPI_ISL_938876, EPI_ISL_938877, EPI_ISL_938878, EPI_ISL_938879, EPI_ISL_938880, EPI_ISL_938881, EPI_ISL_938882, EPI_ISL_938883, EPI_ISL_938884, EPI_ISL_938885, EPI_ISL_938886, EPI_ISL_938887, EPI_ISL_938888, EPI_ISL_938889, EPI_ISL_938890, EPI_ISL_938891, EPI				

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

			Team
EPI_ISL_948389, EPI_ISL_948390			
EPI_ISL_948391, EPI_ISL_948392, EPI_ISL_948393	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_948394	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_948395, EPI_ISL_948396, EPI_ISL_948397	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_948398, EPI_ISL_948399, EPI_ISL_948400, EPI_ISL_948401	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_948402	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_948403, EPI_ISL_948404, EPI_ISL_948405, EPI_ISL_948406	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_948408	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_948409, EPI_ISL_948410, EPI_ISL_948411	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_948412, EPI_ISL_948413, EPI_ISL_948414	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_948415, EPI_ISL_948416, EPI_ISL_948417, EPI_ISL_948418, EPI_ISL_948419	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_948420, EPI_ISL_948421, EPI_ISL_948422, EPI_ISL_948423, EPI_ISL_948424	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_948425, EPI_ISL_948426, EPI_ISL_948427, EPI_ISL_948428, EPI_ISL_948429, EPI_ISL_948430	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_948431, EPI_ISL_948433, EPI_ISL_948434, EPI_ISL_948435	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_948436	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_948437	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_948438, EPI_ISL_948439, EPI_ISL_948440	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_948441, EPI_ISL_948442	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_948443, EPI_ISL_948444	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_948445	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_948446, EPI_ISL_948447, EPI_ISL_948448, EPI_ISL_948787, EPI_ISL_948788, EPI_ISL_948789, EPI_ISL_948790, EPI_ISL_948791, EPI_ISL_948792, EPI_ISL_948793, EPI_ISL_948794, EPI_ISL_948795, EPI_ISL_948796, EPI_ISL_948797, EPI_ISL_948798, EPI_ISL_948799, EPI_ISL_948800, EPI_ISL_948801, EPI_ISL_948802, EPI_ISL_948803, EPI_ISL_948804, EPI_ISL_948805, EPI_ISL_948806, EPI_ISL_948807, EPI_ISL_948808, EPI_ISL_948809, EPI_ISL_948810, EPI_ISL_948811, EPI_ISL_948812, EPI_ISL_948813, EPI_ISL_948814, EPI_ISL_948815, EPI_ISL_948816, EPI_ISL_948817, EPI_ISL_948818, EPI_ISL_948819, EPI_ISL_948820, EPI_ISL_948821, EPI_ISL_948822, EPI_ISL_948823, EPI_ISL_948824, EPI_ISL_948825, EPI_ISL_948826, EPI_ISL_948827, EPI_ISL_948828, EPI_ISL_948831, EPI_ISL_948832, EPI_ISL_948833, EPI_ISL_948835, EPI_ISL_948836, EPI_ISL_948837, EPI_ISL_948838, EPI_ISL_948839, EPI_ISL_948840, EPI_ISL_948841, EPI_ISL_948842, EPI_ISL_948843, EPI_ISL_948844, EPI_ISL_948846, EPI_ISL_948847, EPI_ISL_948849, EPI_ISL_948850, EPI_ISL_948851, EPI_ISL_948852, EPI_ISL_948853, EPI_ISL_948854, EPI_ISL_948855, EPI_ISL_948856, EPI_ISL_948857, EPI_ISL_948858, EPI_ISL_948859, EPI_ISL_948860, EPI_ISL_948861, EPI_ISL_948862, EPI_ISL_948863, EPI_ISL_948864, EPI_ISL_948865, EPI_ISL_948866, EPI_ISL_948867, EPI_ISL_948868, EPI_ISL_948869, EPI_ISL_948870, EPI_ISL_948871, EPI_ISL_948872, EPI_ISL_948873, EPI_ISL_948874, EPI_ISL_948875, EPI_ISL_948876, EPI_ISL_948877, EPI_ISL_948878, EPI_ISL_948879, EPI_ISL_948880, EPI_ISL_948881, EPI_ISL_948882, EPI_ISL_948883, EPI_ISL_948884, EPI_ISL_948885, EPI_ISL_948886, EPI_ISL_948887, EPI_ISL_948888, EPI_ISL_948889, EPI_ISL_948890, EPI_ISL_948891, EPI_ISL_948892, EPI_ISL_948893, EPI_ISL_948894, EPI_ISL_948895, EPI_ISL_948897, EPI_ISL_948898, EPI_ISL_948899, EPI_ISL_948900, EPI_ISL_948901, EPI_ISL_948902, EPI_ISL_948903, EPI_ISL_948904, EPI_ISL_948905, EPI_ISL_948906, EPI_ISL_948907, EPI_ISL_948908, EPI_ISL_948909, EPI_ISL_948910, EPI_ISL_948911, EPI_ISL_948912, EPI_ISL_948913, EPI_ISL_948914, EPI_ISL_948915, EPI_ISL_948916, EPI_ISL_948917, EPI_ISL_948918, EPI_ISL_948919, EPI_ISL_948920, EPI_ISL_948921, EPI_ISL_948922, EPI_ISL_948923, EPI_ISL_948924, EPI_ISL_948925, EPI_ISL_948926, EPI_ISL_948927, EPI_ISL_948928, EPI_ISL_948929, EPI_ISL_948930, EPI_ISL_948931, EPI_ISL_948932, EPI_ISL_948933, EPI_ISL_948934, EPI_ISL_948935, EPI_ISL_948936, EPI_ISL_948937, EPI_ISL_948938, EPI_ISL_948939, EPI_ISL_948940, EPI_ISL_948941, EPI_ISL_948942, EPI_ISL_948943, EPI_ISL_948944	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
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_949410	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_949462, EPI_ISL_949463, EPI_ISL_949464, EPI_ISL_949465, EPI_ISL_949467, EPI_ISL_949468, EPI_ISL_949469, EPI_ISL_949473, EPI_ISL_949475, EPI_ISL_949476, EPI_ISL_949477, EPI_ISL_949524, EPI_ISL_949525, EPI_ISL_949526, EPI_ISL_949527, EPI_ISL_949528, EPI_ISL_949529, EPI_ISL_949530, EPI_ISL_949531, EPI_ISL_949532, EPI_ISL_949533, EPI_ISL_949534, EPI_ISL_949535, EPI_ISL_949536, EPI_ISL_949537, EPI_ISL_949538, EPI_ISL_949539, EPI_ISL_949540, EPI_ISL_949542, EPI_ISL_949544, EPI_ISL_949546, EPI_ISL_949548, EPI_ISL_949549, EPI_ISL_949550, EPI_ISL_949553, EPI_ISL_949554, EPI_ISL_949555, EPI_ISL_949556			
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_949611, EPI_ISL_949615	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; Rachel Blacow, Guy Mollett, Kathy Li, James Shepherd, Antonia Ho, Emma Thomson
EPI_ISL_949645, EPI_ISL_949646	Virology Department, Royal Infirmary of Edinburgh, NHS Lothian / School of Biological Sciences, University of Edinburgh / Institute of Genetics and Molecular Medicine,	COVID-19 Genomics UK (COG-UK) Consortium	McHugh M, Dewar R, Rooke S, Gallagher M, Balcaza C, O'Toole A, Scher E, Hill V, McCrone JT, Colquhoun R, Yu X, Jackson B, Rambaut A, Williams TC, Templeton K

EPI_ISL_949655, EPI_ISL_949656, EPI_ISL_949657, EPI_ISL_949658, EPI_ISL_949659, EPI_ISL_949660, EPI_ISL_949661, EPI_ISL_949665, EPI_ISL_949667, EPI_ISL_949673, EPI_ISL_949674, EPI_ISL_949675, EPI_ISL_949676, EPI_ISL_949677, EPI_ISL_949678, EPI_ISL_949679, EPI_ISL_949680, EPI_ISL_949681, EPI_ISL_949682, EPI_ISL_949683, EPI_ISL_949688, EPI_ISL_949689, EPI_ISL_949690, EPI_ISL_949691, EPI_ISL_949692, EPI_ISL_949693, EPI_ISL_949694, EPI_ISL_949695, EPI_ISL_949696, EPI_ISL_949697, EPI_ISL_949698, EPI_ISL_949699, EPI_ISL_949700, EPI_ISL_949701, EPI_ISL_949702, EPI_ISL_949703, EPI_ISL_949704, EPI_ISL_949705, EPI_ISL_949706, EPI_ISL_949707	University of Edinburgh			
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-Orivral, Michael Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Imren Tiritza-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_949793, EPI_ISL_949794, EPI_ISL_949802, EPI_ISL_949909, EPI_ISL_949910, EPI_ISL_949911, EPI_ISL_949912, EPI_ISL_949913, EPI_ISL_949914, EPI_ISL_949917, EPI_ISL_949919, EPI_ISL_950019, EPI_ISL_950028, EPI_ISL_950034, EPI_ISL_950039, EPI_ISL_950040, EPI_ISL_950041, EPI_ISL_950042, EPI_ISL_950043, EPI_ISL_950044, EPI_ISL_950045, EPI_ISL_950046, EPI_ISL_950047, EPI_ISL_950049, EPI_ISL_950050, EPI_ISL_950051, EPI_ISL_950052, EPI_ISL_950053, EPI_ISL_950054, EPI_ISL_950055, EPI_ISL_950056, EPI_ISL_950057, EPI_ISL_950058, EPI_ISL_950059, EPI_ISL_950060, EPI_ISL_950061, EPI_ISL_950062, EPI_ISL_950063, EPI_ISL_950064, EPI_ISL_950065, EPI_ISL_950066, EPI_ISL_950067, EPI_ISL_950071, EPI_ISL_950172, EPI_ISL_950174, EPI_ISL_950175, EPI_ISL_950176, EPI_ISL_950178, EPI_ISL_950179, EPI_ISL_950180, EPI_ISL_950181, EPI_ISL_950182, EPI_ISL_950183, EPI_ISL_950184, EPI_ISL_950185, EPI_ISL_950186, EPI_ISL_950187, EPI_ISL_950188, EPI_ISL_950189, EPI_ISL_950190, EPI_ISL_950191, EPI_ISL_950192, EPI_ISL_950193, EPI_ISL_950194, EPI_ISL_950196, EPI_ISL_950197, EPI_ISL_950199	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_950373, EPI_ISL_950376, EPI_ISL_950379, EPI_ISL_950382, EPI_ISL_950391, EPI_ISL_950392, EPI_ISL_950393, EPI_ISL_950394, EPI_ISL_950395, EPI_ISL_950396, EPI_ISL_950397, EPI_ISL_950398, EPI_ISL_950399, EPI_ISL_950400, EPI_ISL_950401, EPI_ISL_950523, EPI_ISL_950524, EPI_ISL_950525, EPI_ISL_950526, EPI_ISL_950527, EPI_ISL_950528, EPI_ISL_950529, EPI_ISL_950530, EPI_ISL_950531, EPI_ISL_950532, EPI_ISL_950533, EPI_ISL_950534, EPI_ISL_950535, EPI_ISL_950536, EPI_ISL_950537, EPI_ISL_950538, EPI_ISL_950539, EPI_ISL_950540, EPI_ISL_950541, EPI_ISL_950542, EPI_ISL_950543	see above	COVID-19 Genomics UK (COG-UK) Consortium	Darren L Smith, Andrew Nelson, Matthew Bashton, Greg R Young, Joshua Loh, John Allan, Mohammad A Tariq, Giles S Holt, Gary Black, Wen C Yew, Lynn Dover, Paul Baker, Steve Liggett, Sarah Essex, Jane Greenaway, Debra Padgett, Clive Graham, Garren Scott, Edward Barton, Emma Swindells, Brendan Payne, Jennifer Collins, Yusra Taha, Gary Eltringham	
EPI_ISL_950639, EPI_ISL_950640, EPI_ISL_950641, EPI_ISL_950642, EPI_ISL_950643, EPI_ISL_950644, EPI_ISL_950645	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_950755, EPI_ISL_950756, EPI_ISL_950757, EPI_ISL_950758, EPI_ISL_950759, EPI_ISL_950760, EPI_ISL_950761	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_951492, EPI_ISL_951493, EPI_ISL_951494, EPI_ISL_951495, EPI_ISL_951496, EPI_ISL_951497, EPI_ISL_951498, EPI_ISL_951499, EPI_ISL_951501, EPI_ISL_951502, EPI_ISL_951503, EPI_ISL_951504, EPI_ISL_951505, EPI_ISL_951506, EPI_ISL_951508, EPI_ISL_951512, EPI_ISL_951513, EPI_ISL_951514, EPI_ISL_951515, EPI_ISL_951517, EPI_ISL_951518, EPI_ISL_951519, EPI_ISL_951521, EPI_ISL_951522, EPI_ISL_951523, EPI_ISL_951524, EPI_ISL_951525, EPI_ISL_951527, EPI_ISL_951528, EPI_ISL_951529, EPI_ISL_951530, EPI_ISL_951531, EPI_ISL_951532, EPI_ISL_951533, EPI_ISL_951534, EPI_ISL_951535, EPI_ISL_951536, EPI_ISL_951537, EPI_ISL_951538, EPI_ISL_951541, EPI_ISL_951542, EPI_ISL_951543, EPI_ISL_951544, EPI_ISL_951545, EPI_ISL_951546, EPI_ISL_951547, EPI_ISL_951548, EPI_ISL_951549, EPI_ISL_951550, EPI_ISL_951552, EPI_ISL_951553, EPI_ISL_951554, EPI_ISL_951555, EPI_ISL_951556, EPI_ISL_951558, EPI_ISL_951559, EPI_ISL_951560, EPI_ISL_951561, EPI_ISL_951562, EPI_ISL_951564, EPI_ISL_951567, EPI_ISL_951569, EPI_ISL_951570, EPI_ISL_951571, EPI_ISL_951572, EPI_ISL_951573, EPI_ISL_951574, EPI_ISL_951575, EPI_ISL_951576, EPI_ISL_951577, EPI_ISL_951578, EPI_ISL_951580, EPI_ISL_951581, EPI_ISL_951582, EPI_ISL_951583, EPI_ISL_951585, EPI_ISL_951738, EPI_ISL_951739, EPI_ISL_951742, EPI_ISL_951744, EPI_ISL_951745, EPI_ISL_951753, EPI_ISL_951758, EPI_ISL_951759, EPI_ISL_951760, EPI_ISL_951761, EPI_ISL_951765, EPI_ISL_951766, EPI_ISL_951767, EPI_ISL_951769, EPI_ISL_951778, EPI_ISL_951779, EPI_ISL_951780, EPI_ISL_951781, EPI_ISL_951782, EPI_ISL_951785, EPI_ISL_951786, EPI_ISL_951787, EPI_ISL_951820, EPI_ISL_951821, EPI_ISL_951843, EPI_ISL_951844, EPI_ISL_951851, EPI_ISL_951852, EPI_ISL_951853, EPI_ISL_951855, EPI_ISL_951856, EPI_ISL_951857, EPI_ISL_951858, EPI_ISL_951859, EPI_ISL_951861, EPI_ISL_951862, EPI_ISL_951863, EPI_ISL_951866, EPI_ISL_951867, EPI_ISL_951869, EPI_ISL_951875, EPI_ISL_951876, EPI_ISL_951877, EPI_ISL_951878, EPI_ISL_951881, EPI_ISL_951882, EPI_ISL_951884, EPI_ISL_951885, EPI_ISL_951887, EPI_ISL_951888, EPI_ISL_951890, EPI_ISL_951893, EPI_ISL_951894, EPI_ISL_951895, EPI_ISL_951896, EPI_ISL_951897, EPI_ISL_951898, EPI_ISL_951899, EPI_ISL_951900, EPI_ISL_951901, EPI_ISL_951902, EPI_ISL_951903, EPI_ISL_951904, EPI_ISL_951905, EPI_ISL_951906, EPI_ISL_951907, EPI_ISL_951908, EPI_ISL_951909, EPI_ISL_951910, EPI_ISL_951911, EPI_ISL_951912, EPI_ISL_951913, EPI_ISL_951916, EPI_ISL_951917, EPI_ISL_951918, EPI_ISL_951919, EPI_ISL_951920, EPI_ISL_951921, EPI_ISL_951922, EPI_ISL_951923, EPI_ISL_951924, EPI_ISL_951925, EPI_ISL_951926, EPI_ISL_951927, EPI_ISL_951928, EPI_ISL_951929, EPI_ISL_951930, EPI_ISL_951931, EPI_ISL_951932, EPI_ISL_951933, EPI_ISL_951934, EPI_ISL_951935, EPI_ISL_951936, EPI_ISL_951937, EPI_ISL_951938, EPI_ISL_951939, EPI_ISL_951940, EPI_ISL_951941, EPI_ISL_951942, EPI_ISL_951943, EPI_ISL_951944, EPI_ISL_951945, EPI_ISL_951946, EPI_ISL_951947, EPI_ISL_951948, EPI_ISL_951949, EPI_ISL_951950, EPI_ISL_951951, EPI_ISL_951952, EPI_ISL_951953, EPI_ISL_951954, EPI_ISL_951955, EPI_ISL_951956, EPI_ISL_951957, EPI_ISL_951958, EPI_ISL_951959, EPI_ISL_951960, EPI_ISL_951961, EPI_ISL_951962, EPI_ISL_951963, EPI_ISL_951964, EPI_ISL_951965, EPI_ISL_951966, EPI_ISL_951968, EPI_ISL_951969, EPI_ISL_951972, EPI_ISL_951973, EPI_ISL_952006, EPI_ISL_952007, EPI_ISL_952008, EPI_ISL_952009, EPI_ISL_952010, EPI_ISL_952011, EPI_ISL_952012, EPI_ISL_952013, EPI_ISL_952014, EPI_ISL_952015, EPI_ISL_952018, EPI_ISL_952019, EPI_ISL_952020, EPI_ISL_952022, EPI_ISL_952025, EPI_ISL_952027, EPI_ISL_952029, EPI_ISL_952030, EPI_ISL_952031, EPI_ISL_952032, EPI_ISL_952033, EPI_ISL_952035, EPI_ISL_952036, EPI_ISL_952037, EPI_ISL_952038, EPI_ISL_952039, EPI_ISL_952040, EPI_ISL_952041, EPI_ISL_952042, EPI_ISL_952043, EPI_ISL_952044, EPI_ISL_952045, EPI_ISL_952046, EPI_ISL_952065, EPI_ISL_952066, EPI_ISL_952067, EPI_ISL_952069, EPI_ISL_952070, EPI_ISL_952071, EPI_ISL_952072, EPI_ISL_952073, EPI_ISL_952074, EPI_ISL_952075, EPI_ISL_952076, EPI_ISL_952077, EPI_ISL_952078, EPI_ISL_952079, EPI_ISL_952080, EPI_ISL_952081, EPI_ISL_952082, EPI_ISL_952083, EPI_ISL_952084, EPI_ISL_952085, EPI_ISL_952086, EPI_ISL_952087, EPI_ISL_952088, EPI_ISL_952089, EPI_ISL_952090, EPI_ISL_952091, EPI_ISL_952092, EPI_ISL_952093, EPI_ISL_952095, EPI_ISL_952096, EPI_ISL_952097, EPI_ISL_952098, EPI_ISL_952100, EPI_ISL_952102, EPI_ISL_952104, EPI_ISL_952108, EPI_ISL_952109, EPI_ISL_952110, EPI_ISL_952111, EPI_ISL_952112, EPI_ISL_952113, EPI_ISL_952114, EPI_ISL_952119, EPI_ISL_952120, EPI_ISL_952122, EPI_ISL_952123, EPI_ISL_952124, EPI_ISL_952126, EPI_ISL_952128, EPI_ISL_952129, EPI_ISL_952130, EPI_ISL_952131, EPI_ISL_952132, EPI_ISL_952133, EPI_ISL_952134, EPI_ISL_952136, EPI_ISL_952137, EPI_ISL_952138, EPI_ISL_952139, EPI_ISL_952140, EPI_ISL_952141, EPI_ISL_952143, EPI_ISL_952144, EPI_ISL_952145, EPI_ISL_952146, EPI_ISL_952147, EPI_ISL_952148, EPI_ISL_952149, EPI_ISL_952150, EPI_ISL_952151, EPI_ISL_952152, EPI_ISL_952153, EPI_ISL_952154, EPI_ISL_952156, EPI_ISL_952157, EPI_ISL_952158, EPI_ISL_952159, EPI_ISL_952161, EPI_ISL_952162, EPI_ISL_952163, EPI_ISL_952164, EPI_ISL_952165, EPI_ISL_952166, EPI_ISL_952167	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, Lara Kuchniene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_952453, EPI_ISL_952454, EPI_ISL_952456, EPI_ISL_952460, EPI_ISL_952462, EPI_ISL_952464, EPI_ISL_952465, EPI_ISL_952466, EPI_ISL_952467, EPI_ISL_952469, EPI_ISL_952470, EPI_ISL_952477, EPI_ISL_952478, EPI_ISL_952479, EPI_ISL_952480, EPI_ISL_952481, EPI_ISL_952482, EPI_ISL_952483, EPI_ISL_952484, EPI_ISL_952485, EPI_ISL_952558	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_952953, EPI_ISL_952978	Virology Department, Sheffield Teaching Hospitals NHS Foundation Trust/Department of Infection, Immunity and Cardiovascular Disease, The Medical School, University of Sheffield	COVID-19 Genomics UK (COG-UK) Consortium	Thushan de Silva, Matthew Parker, Nikki Smith, Adri Anygal, Rebecca Brown, Luke Green, Rachel Tucker, Paul Parsons, Danielle Groves, Katie Johnson, Laura Carrilero, Alex Keeley, Dave Partridge, Matthew Wyles, Benjamin Lindsey, Mehmet Yavuz, Mohammad Razi, Cariad Evans	
EPI_ISL_953241, EPI_ISL_953243, EPI_ISL_953244, EPI_ISL_953246, EPI_ISL_953247, EPI_ISL_953251, EPI_ISL_953254, EPI_ISL_953259, EPI_ISL_953261, EPI_ISL_953262, EPI_ISL_953263, EPI_ISL_953267, EPI_ISL_953272, EPI_ISL_953281	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_956446, EPI_ISL_956487, EPI_ISL_956508, EPI_ISL_956562, EPI_ISL_956576, EPI_ISL_956585, EPI_ISL_956587, EPI_ISL_956592, EPI_ISL_956601, EPI_ISL_956602, EPI_ISL_956606, EPI_ISL_956618, EPI_ISL_956625, EPI_ISL_956626, EPI_ISL_956631, EPI_ISL_956636, EPI_ISL_956651, EPI_ISL_956690, EPI_ISL_956691, EPI_ISL_956694, EPI_ISL_956699, EPI_ISL_956729	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_957613, EPI_ISL_957616, EPI_ISL_957620, EPI_ISL_957621, EPI_ISL_957624, EPI_ISL_957627, EPI_ISL_957630, EPI_ISL_957635, EPI_ISL_957641, EPI_ISL_957643, EPI_ISL_957645, EPI_ISL_957650, EPI_ISL_957652, EPI_ISL_957654, EPI_ISL_957655, EPI_ISL_957656, EPI_ISL_957660, EPI_ISL_957670, EPI_ISL_957672, EPI_ISL_957675, EPI_ISL_957677, EPI_ISL_957680, EPI_ISL_957683, EPI_ISL_957686, EPI_ISL_957687, EPI_ISL_957691, EPI_ISL_957698, EPI_ISL_957700, EPI_ISL_957701, EPI_ISL_957702, EPI_ISL_957721, EPI_ISL_957722, EPI_ISL_957723, EPI_ISL_957735, EPI_ISL_957740, EPI_ISL_957741, EPI_ISL_957745, EPI_ISL_957748, EPI_ISL_957753, EPI_ISL_957755, EPI_ISL_957757, EPI_ISL_957759, EPI_ISL_957766, EPI_ISL_957769, EPI_ISL_957771, EPI_ISL_957772, EPI_ISL_957780, EPI_ISL_957783, EPI_ISL_957787, EPI_ISL_957797, EPI_ISL_957799, EPI_ISL_957813, EPI_ISL_957817, EPI_ISL_957822, EPI_ISL_957826, EPI_ISL_957828, EPI_ISL_957829, EPI_ISL_957830, EPI_ISL_957832, EPI_ISL_957838, EPI_ISL_957841, EPI_ISL_957844, EPI_ISL_957846, EPI_ISL_957856, EPI_ISL_957859, EPI_ISL_957862, EPI_ISL_957863, EPI_ISL_957866, EPI_ISL_957867, EPI_ISL_957868, EPI_ISL_957872, EPI_ISL_957877, EPI_ISL_957878, EPI_ISL_957886, EPI_ISL_957892, EPI_ISL_957895, EPI_ISL_957897, EPI_ISL_957904, EPI_ISL_957907, EPI_ISL_957921, EPI_ISL_957961, EPI_ISL_957962, EPI_ISL_957971, EPI_ISL_958044, EPI_ISL_958194, EPI_ISL_958215, EPI_ISL_958216, EPI_ISL_958217, EPI_ISL_958218, EPI_ISL_958219, EPI_ISL_958220, EPI_ISL_958221, EPI_ISL_958222, EPI_ISL_958223, EPI_ISL_958224, EPI_ISL_958225, EPI_ISL_958226, EPI_ISL_958227, EPI_ISL_958228, EPI_ISL_958229, EPI_ISL_958230, EPI_ISL_958231, EPI_ISL_958232, EPI_ISL_958233, EPI_ISL_958234, EPI_ISL_958235, EPI_ISL_958236, EPI_ISL_958255, EPI_ISL_958256, EPI_ISL_958257, EPI_ISL_958258, EPI_ISL_958259, EPI_ISL_958260, EPI_ISL_958261, EPI_ISL_958262, EPI_ISL_958263, EPI_ISL_958264, EPI_ISL_958265, EPI_ISL_958266, EPI_ISL_958267, EPI_ISL_958268, EPI_ISL_958269, EPI_ISL_958270, EPI_ISL_958271, EPI_ISL_958272, EPI_ISL_958273, EPI_ISL_958274, EPI_ISL_958275, EPI_ISL_958277, EPI_ISL_958278, EPI_ISL_958279, EPI_ISL_958280, EPI_ISL_958281, EPI_ISL_958282, EPI_ISL_958283, EPI_ISL_958284, EPI_ISL_958285, EPI_ISL_958286, EPI_ISL_958287, EPI_ISL_958288, EPI_ISL_958289, EPI_ISL_958290, EPI_ISL_958291, EPI_ISL_958292, EPI_ISL_958293, EPI_ISL_958294, EPI_ISL_958295, EPI_ISL_958296, EPI_ISL_958297, EPI_ISL_958298, EPI_ISL_958299, EPI_ISL_958300, EPI_ISL_958301, EPI_ISL_958302, EPI_ISL_958303, EPI_ISL_958304, EPI_ISL_958305, EPI_ISL_958306, EPI_ISL_958307, EPI_ISL_958308, EPI_ISL_958309, EPI_ISL_958310, EPI_ISL_958311, EPI_ISL_958312, EPI_ISL_958313, EPI_ISL_958314, EPI_ISL_958315, EPI_ISL_958316, EPI_ISL_958317, EPI_ISL_958318, EPI_ISL_958319, EPI_ISL_958320, EPI_ISL_958321, EPI_ISL_958322, EPI_ISL_958323, EPI_ISL_958324, EPI_ISL_958325, EPI_ISL_958326				





EPI_ISL_990956, EPI_ISL_990957, EPI_ISL_990958, EPI_ISL_990959, EPI_ISL_990960, EPI_ISL_990961, EPI_ISL_990962, EPI_ISL_990963, EPI_ISL_990964, EPI_ISL_990965, EPI_ISL_990966, EPI_ISL_990967, EPI_ISL_990968, EPI_ISL_990969, EPI_ISL_990970, EPI_ISL_990971, EPI_ISL_990972, EPI_ISL_990973, EPI_ISL_990974, EPI_ISL_990975, EPI_ISL_990976, EPI_ISL_990977, EPI_ISL_990978, EPI_ISL_990979, EPI_ISL_990980, EPI_ISL_990981, EPI_ISL_990982, EPI_ISL_990983, EPI_ISL_990984, EPI_ISL_990985, EPI_ISL_990986, EPI_ISL_990987, EPI_ISL_990988, EPI_ISL_990989, EPI_ISL_990990, EPI_ISL_990991, EPI_ISL_990992, EPI_ISL_990993, EPI_ISL_990994, EPI_ISL_990995, EPI_ISL_990996, EPI_ISL_990997, EPI_ISL_990998, EPI_ISL_990999, EPI_ISL_991000, EPI_ISL_991001, EPI_ISL_991002, EPI_ISL_991003, EPI_ISL_991004, EPI_ISL_991005, EPI_ISL_991006, EPI_ISL_991007, EPI_ISL_991008, EPI_ISL_991009, EPI_ISL_991010, EPI_ISL_991011, EPI_ISL_991012, EPI_ISL_991013, EPI_ISL_991014, EPI_ISL_991015, EPI_ISL_991016, EPI_ISL_991017, EPI_ISL_991018, EPI_ISL_991019, EPI_ISL_991020, EPI_ISL_991021, EPI_ISL_991022, EPI_ISL_991023, EPI_ISL_991024, EPI_ISL_991025, EPI_ISL_991026, EPI_ISL_991027, EPI_ISL_991028, EPI_ISL_991029, EPI_ISL_991030, EPI_ISL_991031, EPI_ISL_991032, EPI_ISL_991033, EPI_ISL_991034, EPI_ISL_991035, EPI_ISL_991036, EPI_ISL_991037, EPI_ISL_991038, EPI_ISL_991039, EPI_ISL_991041, EPI_ISL_991042, EPI_ISL_991043, EPI_ISL_991044, EPI_ISL_991045, EPI_ISL_991046, EPI_ISL_991047, EPI_ISL_991048, EPI_ISL_991049, EPI_ISL_991050, EPI_ISL_991051, EPI_ISL_991052, EPI_ISL_991053, EPI_ISL_991054, EPI_ISL_991055, EPI_ISL_991056, EPI_ISL_991057, EPI_ISL_991058, EPI_ISL_991059, EPI_ISL_991060, EPI_ISL_991061, EPI_ISL_991062, EPI_ISL_991063, EPI_ISL_991064, EPI_ISL_991065, EPI_ISL_991066, EPI_ISL_991067, EPI_ISL_991068, EPI_ISL_991069, EPI_ISL_991070, EPI_ISL_991071, EPI_ISL_991072, EPI_ISL_991073, EPI_ISL_991074, EPI_ISL_991075, EPI_ISL_991076, EPI_ISL_991077, EPI_ISL_991078, EPI_ISL_991079, EPI_ISL_991080, EPI_ISL_991081, EPI_ISL_991082, EPI_ISL_991083, EPI_ISL_991084, EPI_ISL_991085, EPI_ISL_991086, EPI_ISL_991087, EPI_ISL_991088, EPI_ISL_991089, EPI_ISL_991090, EPI_ISL_991091, EPI_ISL_991092, EPI_ISL_991093, EPI_ISL_991094, EPI_ISL_991095, EPI_ISL_991096, EPI_ISL_991097, EPI_ISL_991098, EPI_ISL_991099, EPI_ISL_991100, EPI_ISL_991101, EPI_ISL_991102, EPI_ISL_991103, EPI_ISL_991104, EPI_ISL_991105, EPI_ISL_991106, EPI_ISL_991107, EPI_ISL_991108, EPI_ISL_991109, EPI_ISL_991110, EPI_ISL_991111, EPI_ISL_991112, EPI_ISL_991113, EPI_ISL_991114, EPI_ISL_991115, EPI_ISL_991116, EPI_ISL_991117, EPI_ISL_991118, EPI_ISL_991119, EPI_ISL_991120, EPI_ISL_991121, EPI_ISL_991122, EPI_ISL_991123, EPI_ISL_991124, EPI_ISL_991125, EPI_ISL_991126, EPI_ISL_991127, EPI_ISL_991128, EPI_ISL_991129, EPI_ISL_991130, EPI_ISL_991131, EPI_ISL_991132, EPI_ISL_991133, EPI_ISL_991134, EPI_ISL_991135, EPI_ISL_991136, EPI_ISL_991137, EPI_ISL_991138, EPI_ISL_991139, EPI_ISL_991140, EPI_ISL_991141, EPI_ISL_991142, EPI_ISL_991143, EPI_ISL_991144, EPI_ISL_991145, EPI_ISL_991146, EPI_ISL_991147, EPI_ISL_991148, EPI_ISL_991149, EPI_ISL_991150, EPI_ISL_991151, EPI_ISL_991152, EPI_ISL_991153, EPI_ISL_991154, EPI_ISL_991155, EPI_ISL_991156, EPI_ISL_991157, EPI_ISL_991158, EPI_ISL_991159, EPI_ISL_991160, EPI_ISL_991161, EPI_ISL_991162, EPI_ISL_991163, EPI_ISL_991164, EPI_ISL_991165, EPI_ISL_991166, EPI_ISL_991167, EPI_ISL_991168, EPI_ISL_991169, EPI_ISL_991170, EPI_ISL_991171, EPI_ISL_991172, EPI_ISL_991222, EPI_ISL_991223, EPI_ISL_991224, EPI_ISL_991225, EPI_ISL_991226, EPI_ISL_991227, EPI_ISL_991228, EPI_ISL_991229, EPI_ISL_991230, EPI_ISL_991231, EPI_ISL_991232, EPI_ISL_991233, EPI_ISL_991234, EPI_ISL_991235, EPI_ISL_991236, EPI_ISL_991237, EPI_ISL_991238, EPI_ISL_991239, EPI_ISL_991240, EPI_ISL_991241, EPI_ISL_991242, EPI_ISL_991243, EPI_ISL_991244, EPI_ISL_991245, EPI_ISL_991246, EPI_ISL_991247, EPI_ISL_991248, EPI_ISL_991249, EPI_ISL_991250, EPI_ISL_991251, EPI_ISL_991252, EPI_ISL_991253, EPI_ISL_991254, EPI_ISL_991255, EPI_ISL_991256, EPI_ISL_991257, EPI_ISL_991258, EPI_ISL_991259, EPI_ISL_991260, EPI_ISL_991261, EPI_ISL_991262, EPI_ISL_991263, EPI_ISL_991264, EPI_ISL_991265, EPI_ISL_991266, EPI_ISL_991267, EPI_ISL_991268, EPI_ISL_991270, EPI_ISL_991271, EPI_ISL_991272, EPI_ISL_991273, EPI_ISL_991275, EPI_ISL_991276, EPI_ISL_991277, EPI_ISL_991278, EPI_ISL_991279, EPI_ISL_991280, EPI_ISL_991281, EPI_ISL_991282, EPI_ISL_991283, EPI_ISL_991284, EPI_ISL_991285, EPI_ISL_991286, EPI_ISL_991287, EPI_ISL_991288, EPI_ISL_991289, EPI_ISL_991290, EPI_ISL_991296, EPI_ISL_991297, EPI_ISL_991298, EPI_ISL_991299, EPI_ISL_991301, EPI_ISL_991303, EPI_ISL_991304, EPI_ISL_991305, EPI_ISL_991307, EPI_ISL_991308	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_991352, EPI_ISL_991353, EPI_ISL_991356, EPI_ISL_991357, EPI_ISL_991360, EPI_ISL_991362, EPI_ISL_991363, EPI_ISL_991364, EPI_ISL_991365, EPI_ISL_991369, EPI_ISL_991372, EPI_ISL_991373, EPI_ISL_991374, EPI_ISL_991375, EPI_ISL_991376, EPI_ISL_991378, EPI_ISL_991384, EPI_ISL_991388, EPI_ISL_991390, EPI_ISL_991391, EPI_ISL_991393, EPI_ISL_991396, EPI_ISL_991401, EPI_ISL_991402, EPI_ISL_991404, EPI_ISL_991406, EPI_ISL_991407, EPI_ISL_991408, EPI_ISL_991410, EPI_ISL_991411, EPI_ISL_991413, EPI_ISL_991414, EPI_ISL_991416, EPI_ISL_991420, EPI_ISL_991421, EPI_ISL_991424, EPI_ISL_991426, EPI_ISL_991427, EPI_ISL_991430, EPI_ISL_991431, EPI_ISL_991433, EPI_ISL_991436, EPI_ISL_991438, EPI_ISL_991439, EPI_ISL_991441, EPI_ISL_991442, EPI_ISL_991444, EPI_ISL_991445, EPI_ISL_991449, EPI_ISL_991452, EPI_ISL_991456, EPI_ISL_991457, EPI_ISL_991459, EPI_ISL_991461, EPI_ISL_991462, EPI_ISL_991466, EPI_ISL_991468, EPI_ISL_991469, EPI_ISL_991471, EPI_ISL_991472, EPI_ISL_991473, EPI_ISL_991474, EPI_ISL_991480, EPI_ISL_991484, EPI_ISL_991485, EPI_ISL_991487, EPI_ISL_991488, EPI_ISL_991490, EPI_ISL_991492, EPI_ISL_991495, EPI_ISL_991497, EPI_ISL_991504, EPI_ISL_991505, EPI_ISL_991507, EPI_ISL_991508, EPI_ISL_991509, EPI_ISL_991512, EPI_ISL_991513, EPI_ISL_991514, EPI_ISL_991516, EPI_ISL_991518, EPI_ISL_991519, EPI_ISL_991520, EPI_ISL_991521, EPI_ISL_991522, EPI_ISL_991524, EPI_ISL_991526, EPI_ISL_991529, EPI_ISL_991535, EPI_ISL_991538, EPI_ISL_991539, EPI_ISL_991542, EPI_ISL_991545, EPI_ISL_991550, EPI_ISL_991552, EPI_ISL_991554, EPI_ISL_991555, EPI_ISL_991557, EPI_ISL_991559, EPI_ISL_991560, EPI_ISL_991562, EPI_ISL_991563, EPI_ISL_991564	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_991565, EPI_ISL_991595, EPI_ISL_991629, EPI_ISL_991637, EPI_ISL_991653, EPI_ISL_991680, EPI_ISL_991692, EPI_ISL_991694, EPI_ISL_991703, EPI_ISL_991715, EPI_ISL_991755, EPI_ISL_991781, EPI_ISL_991793, EPI_ISL_991817, EPI_ISL_991826, EPI_ISL_991834, EPI_ISL_991846, EPI_ISL_991848, EPI_ISL_991860, EPI_ISL_991873, EPI_ISL_991900	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_993004		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 ( <a href="http://www.sanger.ac.uk/covid-team">http://www.sanger.ac.uk/covid-team</a> )
EPI_ISL_996401, EPI_ISL_996408, EPI_ISL_996412, EPI_ISL_996456, EPI_ISL_996458, EPI_ISL_996462, EPI_ISL_996463, EPI_ISL_996469		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_996543, EPI_ISL_996544, EPI_ISL_996545, EPI_ISL_996546, EPI_ISL_996551, EPI_ISL_996552, EPI_ISL_996557, EPI_ISL_996595, EPI_ISL_996597		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_996673, EPI_ISL_996675, EPI_ISL_996677, EPI_ISL_996679, EPI_ISL_996687, EPI_ISL_996691, EPI_ISL_996693, EPI_ISL_996697, EPI_ISL_996699, EPI_ISL_996703, EPI_ISL_996705, EPI_ISL_996709, EPI_ISL_996713, EPI_ISL_996715, EPI_ISL_996717, EPI_ISL_996720, EPI_ISL_996722, EPI_ISL_996732, EPI_ISL_996734, EPI_ISL_996736, EPI_ISL_996865, EPI_ISL_996866, EPI_ISL_996867, EPI_ISL_996868, EPI_ISL_996869, EPI_ISL_996870, EPI_ISL_996871, EPI_ISL_996872, EPI_ISL_996873, EPI_ISL_996874, EPI_ISL_996875, EPI_ISL_996876, EPI_ISL_996877, EPI_ISL_996878, EPI_ISL_996879, EPI_ISL_996880, EPI_ISL_996881, EPI_ISL_996882, EPI_ISL_996883, EPI_ISL_996884, EPI_ISL_996885, EPI_ISL_996886, EPI_ISL_996887, EPI_ISL_996888, EPI_ISL_996889, EPI_ISL_996890, EPI_ISL_996891, EPI_ISL_996892, EPI_ISL_996894, EPI_ISL_996895, EPI_ISL_996896, EPI_ISL_996897, EPI_ISL_996898, EPI_ISL_996899, EPI_ISL_996900, EPI_ISL_996901, EPI_ISL_996902, EPI_ISL_996903, EPI_ISL_996904, EPI_ISL_996905, EPI_ISL_996906, EPI_ISL_996907, EPI_ISL_996908, EPI_ISL_996909, EPI_ISL_996910, EPI_ISL_996911, EPI_ISL_996912, EPI_ISL_996913, EPI_ISL_996914, EPI_ISL_996915, EPI_ISL_996916, EPI_ISL_996917, EPI_ISL_996918, EPI_ISL_996919, EPI_ISL_996920, EPI_ISL_996921, EPI_ISL_996922, EPI_ISL_996923, EPI_ISL_996924, EPI_ISL_996925, EPI_ISL_996926, EPI_ISL_996927, EPI_ISL_996928, EPI_ISL_996929, EPI_ISL_996930, EPI_ISL_996931, EPI_ISL_996932, EPI_ISL_996933, EPI_ISL_996934, EPI_ISL_996935, EPI_ISL_996936, EPI_ISL_996937, EPI_ISL_996938, EPI_ISL_996939, EPI_ISL_996940, EPI_ISL_996941, EPI_ISL_996942, EPI_ISL_996943, EPI_ISL_996944, EPI_ISL_996945, EPI_ISL_996946, EPI_ISL_996947, EPI_ISL_996948, EPI_ISL_996949, EPI_ISL_996950, EPI_ISL_996951, EPI_ISL_996952, EPI_ISL_996953, EPI_ISL_996954, EPI_ISL_996955, EPI_ISL_996956, EPI_ISL_996957, EPI_ISL_996958, EPI_ISL_996959, EPI_ISL_996960, EPI_ISL_996961, EPI_ISL_996962, EPI_ISL_996963, EPI_ISL_996964, EPI_ISL_996965, EPI_ISL_996966, EPI_ISL_996967, EPI_ISL_996968, EPI_ISL_996969, EPI_ISL_996970, EPI_ISL_996971, EPI_ISL_996972, EPI_ISL_996973, EPI_ISL_996974, EPI_ISL_996975, EPI_ISL_996976, EPI_ISL_996977, EPI_ISL_996978, EPI_ISL_996979, EPI_ISL_996980, EPI_ISL_996981, EPI_ISL_996982, EPI_ISL_996983, EPI_ISL_996984, EPI_ISL_996985, EPI_ISL_996986, EPI_ISL_996987, EPI_ISL_996988, EPI_ISL_996989, EPI_ISL_996990, EPI_ISL_996991, EPI_ISL_996992, EPI_ISL_996993, EPI_ISL_996994, EPI_ISL_996995, EPI_ISL_996996, EPI_ISL_996997, EPI_ISL_996998, EPI_ISL_996999, EPI_ISL_997000, EPI_ISL_997001, EPI_ISL_997002, EPI_ISL_997003, EPI_ISL_997004, EPI_ISL_997005, EPI_ISL_997006, EPI_ISL_997007, EPI_ISL_997008, EPI_ISL_997009, EPI_ISL_997010, EPI_ISL_997011, EPI_ISL_997012, EPI_ISL_997013, EPI_ISL_997014, EPI_ISL_997015, EPI_ISL_997016, EPI_ISL_997017, EPI_ISL_997018, EPI_ISL_997019, EPI_ISL_997020, EPI_ISL_997021, EPI_ISL_997022, EPI_ISL_997023, EPI_ISL_997024, EPI_ISL_997025, EPI_ISL_997026, EPI_ISL_997027, EPI_ISL_997028, EPI_ISL_997029, EPI_ISL_997030, EPI_ISL_997031, EPI_ISL_997032, EPI_ISL_997033, EPI_ISL_997034, EPI_ISL_997035, EPI_ISL_997036, EPI_ISL_997037, EPI_ISL_997038, EPI_ISL_997039, EPI_ISL_997040, EPI_ISL_997041, EPI_ISL_997042, EPI_ISL_997043, EPI_ISL_997044, EPI_ISL_997045, EPI_ISL_997046, EPI_ISL_997047, EPI_ISL_997048, EPI_ISL_997049	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_997052, EPI_ISL_997053, EPI_ISL_997054, EPI_ISL_997055, EPI_ISL_997056, EPI_ISL_997057, EPI_ISL_997058, EPI_ISL_997059, EPI_ISL_997060		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_997097, EPI_ISL_997098, EPI_ISL_997099, EPI_ISL_997100, EPI_ISL_997101, EPI_ISL_997102, EPI_ISL_997103, EPI_ISL_997132, EPI_ISL_997133, EPI_ISL_997134, EPI_ISL_997135, EPI_ISL_997136, EPI_ISL_997137, EPI_ISL_997138, EPI_ISL_997139	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_997165, EPI_ISL_997166, EPI_ISL_997167, EPI_ISL_997168, EPI_ISL_997169, EPI_ISL_997170, EPI_ISL_997171, EPI_ISL_997172, EPI_ISL_997174, EPI_ISL_997176, EPI_ISL_997177, EPI_ISL_997178, EPI_ISL_997179, EPI_ISL_997186, EPI_ISL_997187, EPI_ISL_997266, EPI_ISL_997267, EPI_ISL_997268, EPI_ISL_997274, EPI_ISL_997282, EPI_ISL_997283, EPI_ISL_997284, EPI_ISL_997336, EPI_ISL_997338	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_997382, EPI_ISL_997393, EPI_ISL_997394, EPI_ISL_997395, EPI_ISL_997396, EPI_ISL_997397, EPI_ISL_997398, EPI_ISL_997399, EPI_ISL_997400, EPI_ISL_997401, EPI_ISL_997402, EPI_ISL_997403, EPI_ISL_997404, EPI_ISL_997407, EPI_ISL_997408, EPI_ISL_997409, EPI_ISL_997410, EPI_ISL_997411, EPI_ISL_997439, EPI_ISL_997442, EPI_ISL_997467, EPI_ISL_997468, EPI_ISL_997469, EPI_ISL_997470, EPI_ISL_997471, EPI_ISL_997472, EPI_ISL_997474, EPI_ISL_997475, EPI_ISL_997476, EPI_ISL_997477, EPI_ISL_997478, EPI_ISL_997479, EPI_ISL_997480, EPI_ISL_997481, EPI_ISL_997482	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, Michael Gemmell, Alessandro Gerada, PKF Gilmore, Richard Gregory, Ximeng Han, Catherine Hartley, Margaret Hughes, Imren Turriza-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 Sharmar, Ghada T Shawli, James P Stewart, Neil Swainston, Ecaterina Vamos, Joanne Watts, Mark Whitehead
EPI_ISL_997615, EPI_ISL_997652, EPI_ISL_997653, EPI_ISL_997654, EPI_ISL_997655, EPI_ISL_997656, EPI_ISL_997662, EPI_ISL_997663, EPI_ISL_997664, EPI_ISL_997666, EPI_ISL_997667, EPI_ISL_997669, EPI_ISL_997670, EPI_ISL_997671, EPI_ISL_997673, EPI_ISL_997674				

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_997687, EPI_ISL_997691, EPI_ISL_997692, EPI_ISL_997753, EPI_ISL_997879, EPI_ISL_997880, EPI_ISL_997881, EPI_ISL_997887, EPI_ISL_997901, EPI_ISL_997904, EPI_ISL_997908, EPI_ISL_997909, EPI_ISL_997916, EPI_ISL_997922, EPI_ISL_997923			
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_998178, EPI_ISL_998179, EPI_ISL_998211, EPI_ISL_998229, EPI_ISL_998230, EPI_ISL_998280, EPI_ISL_998281, EPI_ISL_998283, EPI_ISL_998284, EPI_ISL_998285, EPI_ISL_998286, EPI_ISL_998288, EPI_ISL_998289, EPI_ISL_998290, EPI_ISL_998291, EPI_ISL_998292, EPI_ISL_998293, EPI_ISL_998294, EPI_ISL_998295, EPI_ISL_998296, EPI_ISL_998297, EPI_ISL_998298			
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_998484, EPI_ISL_998486, EPI_ISL_998487, EPI_ISL_998488, EPI_ISL_998489, EPI_ISL_998490, EPI_ISL_998491, EPI_ISL_998493, EPI_ISL_998494, EPI_ISL_998495, EPI_ISL_998497, EPI_ISL_998498, EPI_ISL_998500, EPI_ISL_998501, EPI_ISL_998502, EPI_ISL_998503, EPI_ISL_998559, EPI_ISL_998560, EPI_ISL_998561, EPI_ISL_998562, EPI_ISL_998563, EPI_ISL_998564, EPI_ISL_998565			
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_998772, EPI_ISL_998773, EPI_ISL_998776, EPI_ISL_998777, EPI_ISL_998780, EPI_ISL_998781, EPI_ISL_998785, EPI_ISL_998786, EPI_ISL_998788, EPI_ISL_998795, EPI_ISL_998798, EPI_ISL_998801, EPI_ISL_998802, EPI_ISL_998804, EPI_ISL_998806, EPI_ISL_998816, EPI_ISL_998817, EPI_ISL_998838, EPI_ISL_998839, EPI_ISL_998841, EPI_ISL_998842, EPI_ISL_998843, EPI_ISL_998844, EPI_ISL_998846, EPI_ISL_998847, EPI_ISL_998849, EPI_ISL_998853, EPI_ISL_998857, EPI_ISL_998858, EPI_ISL_998859, EPI_ISL_998860, EPI_ISL_998861, EPI_ISL_998864, EPI_ISL_998865, EPI_ISL_998866, EPI_ISL_998867, EPI_ISL_998870, EPI_ISL_998871, EPI_ISL_998872, EPI_ISL_998874, EPI_ISL_998875, EPI_ISL_998880, EPI_ISL_998881, EPI_ISL_998882, EPI_ISL_998884, EPI_ISL_998885, EPI_ISL_998888			
see above	Quadram Institute Bioscience	COVID-19 Genomics UK (COG-UK) Consortium	Dave J. Baker, Gemma L. Kay, Alp Aydin, Thanh Le-Viet, Steven Rudder, Ana P. Tedim, Anastasia Kolyva, Maria Diaz, Leonardo de Oliveira Martins, Nabil-Fareed Alikhan, Lizzie Meadows, Rachael Stanley, Ngozi Elumogo, Muhammed Yasir, Nicholas M. Thomson, Alexander J Trotter, Rachel Gilroy, Samuel Bloomfield, Claire Stuart, Andrew Bell, Reenesh Prakash, Samir Dervisevic, Alison E. Mather, John Wain, Mark Webber, Andrew J. Page, Justin O'Grady
EPI_ISL_998994, EPI_ISL_999302, EPI_ISL_999303, EPI_ISL_999307, EPI_ISL_999310, EPI_ISL_999311, EPI_ISL_999317, EPI_ISL_999318, EPI_ISL_999320, EPI_ISL_999322, EPI_ISL_999323, EPI_ISL_999324, EPI_ISL_999325, EPI_ISL_999326, EPI_ISL_999327, EPI_ISL_999329, EPI_ISL_999330, EPI_ISL_999331, EPI_ISL_999332, EPI_ISL_999335, EPI_ISL_999337, EPI_ISL_999339, EPI_ISL_999340, EPI_ISL_999342, EPI_ISL_999343, EPI_ISL_999344, EPI_ISL_999345, EPI_ISL_999346, EPI_ISL_999347, EPI_ISL_999484, EPI_ISL_999485, EPI_ISL_999486, EPI_ISL_999487, EPI_ISL_999488, EPI_ISL_999489, EPI_ISL_999490, EPI_ISL_999491, EPI_ISL_999492, EPI_ISL_999493, EPI_ISL_999494			
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_999646, EPI_ISL_999647, EPI_ISL_999652, EPI_ISL_999659, EPI_ISL_999664, EPI_ISL_999669, EPI_ISL_999683, EPI_ISL_999684, EPI_ISL_999685, EPI_ISL_999686, EPI_ISL_999687, EPI_ISL_999694, EPI_ISL_999695, EPI_ISL_999808			
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_999987	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