

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

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see above	Hannover Medical School, Institute of Virology	Hannover Medical School, Institute of Virology	Jasper Götting; Lars Steinbrück
EPI_ISL_1088902	Helix / Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Alexandre Bolze; Ary Ascencio; Ben L. Rambo-Martin; Brad Sickler; Charlotte Rivera-García; Christine Tran; Clinton R. Paden; Dakota Howard; David Becker; Dhwani Batra; Duncan MacCannell; Effen Sandoval; Eileen de Feo; Elizabeth Cirulli; Eric Allen; Geraint Levan; James Lu; Jan Antico; Jason Nguyen; Jimmy Ramirez; Jingtao Liu; Kelly Schiabor Barrett; Kim Gietzen; Magnus Isaksson; Marc Laurent; Matthew Tolentino; Nicole L. Washington; Peter W. Cook; Phil Febbo; Ryan Cho; Shannon Wickline; Sherry Wang; Simon White; Summer Galloway; Suxiang Tong; Tyler Cassens; William Lee
EPI_ISL_718237	Hospital	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Angela Brisebarre; Camille Capel; Etienne Simon-Lorière; Gisèle Lagathu; Marion Barbet; Maud Vanpeene; Méline Bizard; Sylvie Behillili; Sylvie van der Werf; Vincent Enouf
EPI_ISL_862581	Hospital Clínic	Instituto de Salud Carlos III	A. Monzón; F. Casas; I. Jiménez; I. Marcos; Iglesias-Caballero; M. Pozo; M. Cuesta; M. González-Esguevillas; M. Zaballos; M.A.; M.Camarero; P. Jiménez; S. Juliá; S. Molinero Calamita; S. Varona
EPI_ISL_1225137	Hospital Clínico Universitario Lozano Blesa de Zaragoza (España)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Jessica Bueno and SeqCOVID-SPAIN consortium; Rafael Benito; Sonia Algarate
EPI_ISL_1423921	Hospital Clínico Universitario Virgen de la Arrixaca (Murcia)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Antonio Moreno Docón; Genevova Yagüe and SeqCOVID-SPAIN consortium; Manuel Segovia Hernández
EPI_ISL_2401191, EPI_ISL_2401192, EPI_ISL_2401204, EPI_ISL_2401211, EPI_ISL_2401212, EPI_ISL_2401224, EPI_ISL_2401227, EPI_ISL_2401231, EPI_ISL_2401232	Hospital General Universitario Gregorio Marañón	Hospital General Universitario Gregorio Marañón	Cristina Rodriguez-Grande; Darío García de Viedma; Julia Suárez; Laura Pérez-Lago; Marta Herranz Martín; Patricia Muñoz; Pedro Sola Campoy; Pilar Catalán; Sergio Buenestado Serrano; Víctor Manuel de la Cueva
see above	Hospital General Universitario Gregorio Marañón	SeqCOVID-SPAIN consortium/IBV(CSIC)	Darío García de Viedma; Jon Sicilia; Julia Suárez; Laura Pérez-Lago; Marta Herranz; Patricia Muñoz and SeqCOVID-SPAIN consortium; Pedro J Sola-Campoy; Pilar Catalán; Sergio Buenestado-Serrano; Víctor Manuel de la Cueva
EPI_ISL_779996, EPI_ISL_814058, EPI_ISL_861843	Hospital General Universitario de Alicante - Instituto de Investigación Sanitaria y Biomédica de Alicante	SeqCOVID-SPAIN consortium/IBV(CSIC)	Carmen Molina Pardines and SeqCOVID-SPAIN consortium; Maripaz Ventero Martín
EPI_ISL_1311888, EPI_ISL_2103493	Hospital General Universitario de Ciudad Real	SeqCOVID-SPAIN consortium/IBV(CSIC)	Cristina Colmenarejo; Jorge Alfredo Pérez García and SeqCOVID-SPAIN consortium; José Martínez-Alarcón; Lidia García-Agudo; Marta Torres-Narbona; Soledad Illescas Fernández-Bermejo
EPI_ISL_2147373, EPI_ISL_2147392	Hospital General Universitario de Elche - Fundación para el Fomento de la Investigación Sanitaria y Biomédica de la Comunitat Valenciana, Servicio de Microbiología	SeqCOVID-SPAIN consortium/IBV(CSIC)	Antonio Galiana Cabrera; Judith Sánchez-Almendo; Montserrat Ruiz García; Nieves Gonzalo Jiménez and SeqCOVID-SPAIN consortium
EPI_ISL_1916188	Hospital Universitari Arnau de Vilanova de Lleida	SeqCOVID-SPAIN consortium/IBV(CSIC)	Alba Bellés Bellés; Albert Bernet Sánchez; Eric López González; Iván Prats Sánchez; Mercè García González and SeqCOVID-SPAIN consortium
EPI_ISL_1938921, EPI_ISL_1938922, EPI_ISL_1938938, EPI_ISL_1938941, EPI_ISL_1938947, EPI_ISL_1938948	Hospital Universitari de Bellvitge	Microbiology Department	Aida Gonzalez-Diaz; Carmen Ardanuy; Jordi Camara; Jordi Niubó; Laura Calatayud; M Angeles Domínguez; Miguel Fernandez-Huerta; Sara Martí
EPI_ISL_1360265, EPI_ISL_1963989, EPI_ISL_1963993, EPI_ISL_2017682	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Hospital Universitari Vall d'Hebron - Vall d'Hebron Institut de Recerca	Alejandra González-Sánchez; Andrés Antón; Ariadna Rando; Carla Castillo; Cristina Andrés; Damiir García-Cehic; Josep F Abril; Josep Quer; Juliana Esperalba; Maria Carmen Martín; Maria Gema Codina; Maria Piñana; Tomás Pumarola
EPI_ISL_824413, EPI_ISL_825351, EPI_ISL_1080843, EPI_ISL_1391181, EPI_ISL_2284948, EPI_ISL_2391938, EPI_ISL_2458135, EPI_ISL_2458159, EPI_ISL_2493138	Hospital Universitari de La Plana	SeqCOVID-SPAIN consortium/IBV(CSIC)	Alberto Yagüe Muñoz; Helena Buj Jordá; Juan B. Bellido Blasco; Maria Gil Fortuño and SeqCOVID-SPAIN consortium; Noelia Henández Pérez; Oscar Pérez Olaso
see above	Hospital Universitari i Politècnic La Fe de València	SeqCOVID-SPAIN consortium/IBV(CSIC)	Ana Gil Brusola; Eva González Barberá; José Luis López Hontangas and SeqCOVID-SPAIN consortium; María Dolores Gómez Ruiz; Salvador Giner Almaraz
EPI_ISL_2016366, EPI_ISL_2016367	Hospital Universitario Clínico San Cecilio	SeqCOVID-SPAIN consortium/IBV(CSIC)	Adolfo de Salazar; Federico García; Laura Viñuela; Natalia Chueca and SeqCOVID-SPAIN consortium
EPI_ISL_2100078, EPI_ISL_2100094, EPI_ISL_2100099, EPI_ISL_2100101, EPI_ISL_2100102	Hospital Universitario Marqués de Valdecilla - IDIVAL (Santander, Cantabria)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Daniel Pablo Marcos; Jesús Rodríguez Rodríguez; Jose Manuel Méndez Legaza; María Eliecer Cano García; María Siller Ruiz and SeqCOVID-SPAIN consortium; Mónica Gozalo Margüello
EPI_ISL_2099969, EPI_ISL_2099991, EPI_ISL_2100032, EPI_ISL_2100037, EPI_ISL_2100059, EPI_ISL_2271234, EPI_ISL_2271237, EPI_ISL_2271385, EPI_ISL_2271387, EPI_ISL_2464635, EPI_ISL_2464639, EPI_ISL_2464643, EPI_ISL_2464644, EPI_ISL_2464645	Hospital Universitario Virgen de las Nieves de Granada-SAS	SeqCOVID-SPAIN consortium/IBV(CSIC)	Irene Pedrosa Corral; José M. Navarro-Mari and SeqCOVID-SPAIN consortium; Sara Sanhonmatsu Gámez
see above	Hospital Universitario de Guadalajara	SeqCOVID-SPAIN consortium/IBV(CSIC)	Alejandro González Praetorius y Mariela Martínez Ramírez and SeqCOVID-SPAIN consortium
EPI_ISL_1938849	Hospital Universitario de la Ribera (Alzira, Valencia)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Julia González Cantó and SeqCOVID-SPAIN consortium; Olalla Martínez Macias
EPI_ISL_1938709, EPI_ISL_1938745, EPI_ISL_2271326, EPI_ISL_2271333	Hospital de la Santa Creu i Sant Pau. Servicio de Microbiología	SeqCOVID-SPAIN consortium/IBV(CSIC)	Eisenda Miró and SeqCOVID-SPAIN consortium; Ferran Navarro; Núria Rabella
EPI_ISL_1588976, EPI_ISL_1938747, EPI_ISL_1938748, EPI_ISL_1938749, EPI_ISL_1938765, EPI_ISL_1938778, EPI_ISL_1938780, EPI_ISL_1938787	Hospital of Southern Norway - Kristiansand, Department of Medical Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen; Atiya R Ali; Debec Nadia; Engebretsen Serina Beate; García Llorente Ignacio; Hilde Elshaug; Hilde Vollan; Jon Bråte; Kamilla Heddeland Instefjord; Karoline Bragstad; Line Victoria Moen; Marie Paulsen Madsen; Olav Hungnes; Pedersen Benedikte Nevjen; Rasmus Riis Kopperud
see above	Hôpital Henri Mondor	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Alexandre Soulier; Christophe Rodriguez; Elisabeth Trawinski; Guillaume Gricourt; Jean-Michel Pawlowsky; Melissa N'Debi; Slim Fourati; Vanessa Demontant
EPI_ISL_2081680, EPI_ISL_2135347, EPI_ISL_2135350, EPI_ISL_2135354, EPI_ISL_2135355, EPI_ISL_2135356, EPI_ISL_2135358, EPI_ISL_2135361, EPI_ISL_2135365, EPI_ISL_2135368, EPI_ISL_2135369	Hôpital Saint Antoine	Department of Virology, Henri Mondor University Hospital, Assistance Publique Hôpitaux de Paris, Université Paris-Est Créteil, INSERM U955	Alexandre Soulier; Christophe Rodriguez; Elisabeth Trawinski; Guillaume Gricourt; Jean-Michel Pawlowsky; Melissa N'Debi; Slim Fourati; Vanessa Demontant
see above	ILV Kärnten	Berghaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Andreas Berghaler; Anna Schedl; Bekir Erguner; Benedikt Agerer; Christoph Bock; Fabian Amman; Jan Laine; Lukas Endler; Maelle Le Moing; Martin Senekowitsch; Michael Schuster; Petr Triska; Thomas Penz
EPI_ISL_1671557, EPI_ISL_2099811, EPI_ISL_2099814, EPI_ISL_2099815, EPI_ISL_2099816, EPI_ISL_2099822, EPI_ISL_2099823, EPI_ISL_2099824, EPI_ISL_2099827, EPI_ISL_2099828, EPI_ISL_2099829, EPI_ISL_2099831, EPI_ISL_2099833, EPI_ISL_2099837, EPI_ISL_2099838, EPI_ISL_2099841, EPI_ISL_2099845	IMD - Labor Oderland	Robert Koch Institute	A. Kruggel; Aleksandar Radonic; K. Meinck; Marianne Wedde; Oliver Drechsel; Ralf Duerrwald; Rene Kmiecinski; Stefan Kroeger; Stephan Fuchs; Thorsten Wolff
see above	IMD - MVZ Labor Greifswald	Robert Koch Institute, Influenza and respiratory viruses FG17 & Bioinformatics MF1, Berlin, Germany	
EPI_ISL_2333495, EPI_ISL_2333544	INMI Lazzaro Spallanzani IRCCS	INMI Lazzaro Spallanzani IRCCS	A Di Caro; B Bartolini; CEM Gruber; E Giombini; F Messina; M Rueca; MR Capobianchi; O Butera
EPI_ISL_912731, EPI_ISL_912809, EPI_ISL_912952	IRCCS San Gallicano Dermatological Institute	IRCCS Regina Elena National Cancer Institute	Aldo Morrone; Fabrizio Ensoli; Francesca De Nicola; Fulvia Pimpinelli; Gennaro Ciliberto; Giovanni Blandino; Grazia Prignano; Matteo Pallocca; Maurizio Fanciulli; Sabrina Strano; Sara Donzelli
EPI_ISL_2464870, EPI_ISL_2465004	IZSM	TIGEM	Andrea Ballabio; Anna Manfredi; Antonio Grimaldi; Antonio Limone Luigi Atripaldi Pellegrino Cerino; Biancamaria Pierri Claudia Tiberio Valentina Bouche; Chiara Colantuono; Davide Cacchiarelli; Denise Di Concilio; Francesco Panariello; Lucio Di Filippo; Marcello Salvi; Maria Concetta Cuomo; Patrizia Annunziata
EPI_ISL_2485204, EPI_ISL_2485214, EPI_ISL_2485225		SeqCOVID-SPAIN consortium/IBV(CSIC)	Alberto Delgado-Iribarren; Esther Culebras López; Jorge Matias-Guiu; Luis Ortega Medina; Silvia Sánchez Ramón; Ulises Gómez-Pinedo and SeqCOVID-SPAIN consortium; Vicente Estrada Pérez
EPI_ISL_1844606, EPI_ISL_1048316	Innlandet Hospital Trust, Division Lillehammer, Department for Medical Microbiology	Norwegian Institute of Public Health, Department of Virology	Hilde Elshaug; Hilde Vollan; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Marie Paulsen Madsen; Olav Hungnes; Rasmus Riis Kopperud
EPI_ISL_1169886, EPI_ISL_1670904, EPI_ISL_1670906, EPI_ISL_1670907, EPI_ISL_1670909			
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see above	IdiSSC/Hospital Clínico San Carlos de Madrid		
EPI_ISL_708039			

EPI_ISL_2466045	Inst. for Med. Virology, University Hospital Frankfurt, Goethe University Frankfurt	Inst. for Med. Virology, University Hospital Frankfurt, Goethe University Frankfurt	Goetsch, U.; Gotschalk; H.F.; Pallas, C.; R. and Ciesek, S.; Rabenau; Toptan, T.; Widera, M.; Wilhelm, A.
EPI_ISL_1138634, EPI_ISL_1138665	Institut für Medizinische Virologie, Universitätsklinikum Frankfurt	Institut für Medizinische Virologie, Universitätsklinikum Frankfurt	Barbara Muehlemann et al
EPI_ISL_1008013	Institut für Pathologie, Salzkammergut Klinikum Vöcklabruck	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Andreas Bergthaler; Anna Schedl; Bekir Erguner; Benedikt Agerer; Christoph Bock; Jan Laine; Lukas Endler; Maelle Le Moing; Martin Senekowitsch; Michael Schuster; Thomas Penz
EPI_ISL_437919, EPI_ISL_437931, EPI_ISL_437932, EPI_ISL_934547, EPI_ISL_1671133, EPI_ISL_1671134	Institut für Virologie am Department für Hygiene, Mikrobiologie und Public Health	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Alexander Lercher; Alexandra Popa; Andreas Bergthaler; Anna Schedl; Bekir Erguner; Benedikt Agerer; Christoph Bock; Dorothee von Laer; Elisabeth Puchhammer-Stoeckl; Fabian Amman; Guenter Weiss; Henrique Colaco; Jakob-Wendelin Genger; Jan Laine; Judith Aberle; Lukas Endler; Maelle Le Moing; Manfred Nairz; Mark Smyth; Martin Senekowitsch; Michael Schuster; Petr Triska; Stephan Aberle; Thomas Penz; Wegene Borena
EPI_ISL_485810, EPI_ISL_485811, EPI_ISL_485813, EPI_ISL_508687, EPI_ISL_508688, EPI_ISL_508689, EPI_ISL_508690, EPI_ISL_508691, EPI_ISL_508694, EPI_ISL_508695, EPI_ISL_508696, EPI_ISL_508699, EPI_ISL_508701, EPI_ISL_508702			
see above	Institut für Virologie und Epidemiologie der Viruserkrankheiten, Universitätsklinikum Tübingen	NGS Competence Center Tübingen, Institut für Medizinische Mikrobiologie und Hygiene, Universitätsklinikum Tübingen	Angel Angelov; Angelov et al.
EPI_ISL_572330, EPI_ISL_572331	Institute for Virology, University Hospital Duesseldorf, Medical Faculty, Heinrich-Heine-University Duesseldorf	Institute for Virology, University Hospital Duesseldorf, Medical Faculty, Heinrich-Heine-University Duesseldorf	: Alexander Killer; Andreas Walker; Annemarie Mohring; Anselm Kunstein; Ansgar Schulz; Björn Jensen; Caroline Klindt; Edwin Böлке; Gerald Antoch; Heiner Schaal; Jennifer Neubert; Johannes Bode; Johannes C. Fischer; Jörg Timm; Lisa Müller; Maximilian Damagnez; Nadine Lübke; Ortwin Adams; Philipp Albrecht; Philipp Ostermann; Saskia Elben; Tina Senff; Tom Lüdde; Torsten Feldt; Verena Keitel
EPI_ISL_602469, EPI_ISL_602470, EPI_ISL_602471, EPI_ISL_602479, EPI_ISL_602482, EPI_ISL_602485, EPI_ISL_602496, EPI_ISL_602497, EPI_ISL_602502, EPI_ISL_602503, EPI_ISL_626215, EPI_ISL_626220, EPI_ISL_626221, EPI_ISL_626222, EPI_ISL_626229	Institute for Virology, University Hospital Essen	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Alexander Dilthey; Andreas Walker; Daniel Strelow; Jessica Nicolai; Jörg Timm; Klaus Pfeffer; Lisanna Hülse; Malte Kohns Vasconcelos; Maximilian Damagnez; Nadine Lübke; Olympia E. Anastasiou; Tobias Wienemann; Torsten Houwaart; Ulf Dittmer
EPI_ISL_886157, EPI_ISL_887107, EPI_ISL_887108, EPI_ISL_887109, EPI_ISL_887110, EPI_ISL_887111, EPI_ISL_887112, EPI_ISL_887113, EPI_ISL_887114			
see above	Institute of Medical Microbiology and Virology, University Hospital Carl Gustav Carus, TU Dresden	DRESDEN-concept Genome Center, CMCB, TU Dresden	Beil J.; Brown T.; Büttner L.; Gscheidel N.; Hochauf-Stange K.; Klemroth S.; Lindemann D.; Mehnert G.; Petzold A.; Reinhardt S.; Rost F.; Sameith K.; Winkler S.
EPI_ISL_1964507	Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Alen Suljić; Andraž Celar; Dominika Šturm; Doroteja Vljaj; Mario Poljak; Matic Brvar; Miša Korva; Patricija Pozvek; Samo Zakotnik; Tatjana Avšič – Zupanc; Tomaž Mark Zorec; Špela Pleh
EPI_ISL_402123	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Chao Wu; Jianwei Wang; Lili Ren; Qi Jin; Yiwei Liu; Zhiqiang Wu; Zichun Xiang
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EPI_ISL_983503, EPI_ISL_983514, EPI_ISL_983523, EPI_ISL_983525, EPI_ISL_983537, EPI_ISL_983554, EPI_ISL_983566, EPI_ISL_983571, EPI_ISL_983582, EPI_ISL_983587			
see above	Institute of Virology, University Hospital, University of Bonn and German Center for Infection Research (DZIF), Bonn-Cologne, Bonn, Germany	Institute of Virology, University Hospital, University of Bonn and German Center for Infection Research (DZIF), Bonn-Cologne, Bonn, Germany	Marek Korencak et al
EPI_ISL_796028, EPI_ISL_796034, EPI_ISL_796043, EPI_ISL_796044	Institute of Virology, University of Cologne	Institute of Virology, University of Cologne	Alex Thielen; Alexander Dilthey; Andreas Walker; Dominik Aschenmeier; Elena Knops; Eva Heger; Gibran Rubio; Jörg Timm; Martin Däumer; Maximilian Damagnez; Rolf Kaiser; Saleta Sierra; Zevanya Tesselonica
EPI_ISL_732019, EPI_ISL_861579	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1854421, EPI_ISL_1854424	Instituto Nacional de Saude (INSA) and Centro de Investigação em Biodiversidade e Recursos Geneticos (CIBIO), Universidade do Porto	Instituto Nacional de Saude (INSA) and Centro de Investigação em Biodiversidade e Recursos Geneticos (CIBIO), Universidade do Porto	Borges et al
EPI_ISL_2004304, EPI_ISL_2004305	Instituto Nacional de Saude (INSA) and i3S - Instituto de Investigação e Inovação em Saúde	Instituto Nacional de Saude (INSA)	Borges et al
EPI_ISL_1322217	IrsiCaixa	IrsiCaixa	Bonaventura Clotet; Bonaventura Clotet Gloria Trujillo; Carolina Gonzalez Fernandez; Eulalia Grau; Francesc Catala-Moll; Jaume Trape Pujol; Marc Noguera-Julian; Maria Casadella; Mariona Parera; Pilar Armengol; Rafel Perez Vidal; Roger Paredes
EPI_ISL_1254970, EPI_ISL_2465043, EPI_ISL_2465052, EPI_ISL_2465056, EPI_ISL_2465066, EPI_ISL_2465100	Istituto Zooprofilattico Sperimentale del Mezzogiorno	Telethon Institute of Genetics and Medicine (TIGEM)	Antonio Grimaldi Patrizia Annunziata Francesco Panariello Biancamaria Pierri Claudia Tiberio Valentina Bouche Chiara Colantuono Maria Concetta Cuomo Denise Di Concilio Lucio Di Filippo Anna Manfredi Marcello Salvi Antonio Limone Luigi Atripaldi Pellegrino Cerino Andrea Ballabio Davide Cacchiarelli; Antonio Grimaldi Patrizia Annunziata Francesco Panariello Biancamaria Pierri Claudia Tiberio Teresa Giuliano Valentina Bouche Chiara Colantuono Maria Concetta Cuomo Denise Di Concilio Lucio Di Filippo Anna Manfredi Marcello Salvi Antonio Limone Luigi Atripaldi Pellegrino Cerino Andrea Ballabio Davide Cacchiarelli
EPI_ISL_1627357	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata	Bianco A.; Capozzi L.; Del Sambio L.; Galante D.; Pace L.; Parisi A.; Simone D.
EPI_ISL_949019, EPI_ISL_949022	Jessa	Jessa	Jessa_cmdLab
EPI_ISL_912426, EPI_ISL_1049113, EPI_ISL_2404608	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Bert Vanmechelen; Joan Marti-Carreras; Piet Maes; Tony Wawina-Bokalanga
EPI_ISL_1008002	Klinikum Wels-Grieskirchen	Bergthaler laboratory, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences	Andreas Bergthaler; Anna Schedl; Bekir Erguner; Benedikt Agerer; Christoph Bock; Jan Laine; Lukas Endler; Maelle Le Moing; Martin Senekowitsch; Michael Schuster; Thomas Penz
EPI_ISL_1168141	Klinisk mikrobiologi	The Public Health Agency of Sweden	Anna Risberg; Anna-Malin Linde; Carlo Berg; Karin Tegmark-Wisell; Maria Lind Karlberg; Mattias Haukland; Mia Brytting; Noura Walai; Oskar Karlsson Lindsjo; Petra Edquist; Petra Holmstrom; Reza Advani; Sofia Stamouli
EPI_ISL_1150225, EPI_ISL_1847472	LabKom - Labor Augsburg MVZ GmbH	Robert Koch Institute	
EPI_ISL_1211099	LabKom - Labor Mainz MVZ GmbH	Robert Koch Institute	
EPI_ISL_860874, EPI_ISL_860885	Labo Analyses Med	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Angela Brisebarre; Camille Capel; Etienne Simon-Lorière; Lefauvre Brieuc; Marion Barbet; Maud Vanpeene; Méline Bizard; Sylvie Behillili; Sylvie van der Werf; Vincent Enouf
EPI_ISL_1843681	Labor 28 MVZ GmbH	Robert Koch Institute	
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see above	Labor Berlin Charité Vivantes GmbH / Institut für Virologie	Charité Universitätsmedizin Berlin, Institut für Virologie/Labor Berlin	Barbara Mühlemann; Christian Drosten; Christine Stephan; Peter Menzel; Rolf Schwarzer; Terry Jones; Victor M Corman
EPI_ISL_1144324	Labor Blackholm MVZ	Robert Koch Institute	
EPI_ISL_1861845, EPI_ISL_1861941, EPI_ISL_1861996, EPI_ISL_1862183, EPI_ISL_2384489	Labor Dr. Fenner und Kollegen	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Adam Grundhoff; Alexis Robitaille; Johannes Knobloch; Martin Aepfelbacher; Nicole Fischer; Thomas Günther

EPI_ISL_1844609 EPI_ISL_1847412 EPI_ISL_831384	Labor Dr. Heidrich & Kollegen MVZ GmbH Hamburg Labor Dr. Spranger Labor Krone	Robert Koch Institute Robert Koch Institute Robert Koch Institute, Influenza and respiratory viruses FG17 & Bioinformatics MF1, Berlin, Germany Robert Koch Institute Robert Koch Institute Laboratoire de santé publique du Québec Laboratoire national de sante, Microbiology, Virology Laboratoire national de santé, Microbiology, Virology Laboratorio Biologia molecolare dell'Istituto di Medicina Aerospaziale di Roma Laboratorio de Microbiologia. Hospital General Universitario de Elda, Alicante Laboratorio di Diagnostica Molecolare Laboratorium Diagnostyi Mikrobiologicznej z Pracownią Prątką Grzłączy SP5zW im. 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		Consortium	Ecaterina Vamos; Elaine O'Toole; Eleanor G Bentley; Ghada T Shawli; Isabel Garcia-Orval; James Johnson; James P Stewart; Jenifer Manson; Joanne Watts; Jones Benjamin; Jordan J Clark; Julian Hiscox; L Liu; Lucille Rainbow; M Almsaad; Margaret Hughes; Mark Whitehead; Matthew Gemmell; Miren Iturriza-Gomara; Muhannad Alruwaili; N.P Randle; Neil Swainston; PKF Gilmore; Parul Sharma; Rebekah Penrice-Randal; Richard Eccles; Richard Gregory; Sam Haldenby; Steve Paterson; Stuart D Armstrong; Trevor Ian Robinson; Ximeng Han
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EPI_ISL_1141660	MVZ Labor Dr. Limbach & Kollegen GbR	Robert Koch Institute	
EPI_ISL_860336, EPI_ISL_860355, EPI_ISL_860482, EPI_ISL_860512, EPI_ISL_2869769, EPI_ISL_2869783, EPI_ISL_2869787, EPI_ISL_2869806, EPI_ISL_2869824, EPI_ISL_2869865, EPI_ISL_2869873, EPI_ISL_2869909, EPI_ISL_2869911, EPI_ISL_2869953, EPI_ISL_2870014, EPI_ISL_2870082, EPI_ISL_2870085, EPI_ISL_2870121, EPI_ISL_2870134, EPI_ISL_2870169, EPI_ISL_2870177, EPI_ISL_2870184, EPI_ISL_2870192, EPI_ISL_2870344, EPI_ISL_2870441, EPI_ISL_2870489, EPI_ISL_2870929, EPI_ISL_2870946, EPI_ISL_2871001, EPI_ISL_2871011, EPI_ISL_2871074, EPI_ISL_2871289, EPI_ISL_2871399, EPI_ISL_2871435, EPI_ISL_2871615, EPI_ISL_2871659, EPI_ISL_2872003, EPI_ISL_2872008, EPI_ISL_2872014, EPI_ISL_2872015, EPI_ISL_2872055, EPI_ISL_2872095, EPI_ISL_2872236, EPI_ISL_2872237, EPI_ISL_2872248, EPI_ISL_2872259, EPI_ISL_2872260, EPI_ISL_2872265, EPI_ISL_2872269, EPI_ISL_2872279, EPI_ISL_2872298, EPI_ISL_2872303, EPI_ISL_2872309, EPI_ISL_2872321, EPI_ISL_2872326, EPI_ISL_2872335, EPI_ISL_2872355, EPI_ISL_2872356, EPI_ISL_2872375, EPI_ISL_2872378, EPI_ISL_2872395, EPI_ISL_2872398, EPI_ISL_2872400, EPI_ISL_2872407, EPI_ISL_2872408	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Alexander Dilthey; Andreas Walker; André Heimbach; Bärbel Lippke; Carsten Tiemann; Dennis Deschka; Janine Silvery; Julia Fazaal; Jörg Timm; Kerstin Ludwig; Klaus Pfeffer; Malte Kohns Vasconcelos; Per Hoffmann; Tobias Wienemann; Torsten Houwaart	
see above	MVZ Labor Krone GbR	Robert Koch Institute	
EPI_ISL_1217731	MVZ Labor Krone GbR	Robert Koch Institute	
EPI_ISL_640220, EPI_ISL_640225, EPI_ISL_640227, EPI_ISL_640231, EPI_ISL_640235, EPI_ISL_640236, EPI_ISL_640245, EPI_ISL_640247, EPI_ISL_640251, EPI_ISL_640260, EPI_ISL_640261, EPI_ISL_640262, EPI_ISL_640265, EPI_ISL_640267, EPI_ISL_640271	MVZ Laborärzte Singen	MVZ Laborärzte Singen	Folker Wenzel; Frithjof Blessing; Jonas Schmidt; Sandro Berghaus
see above	Max von Pettenkofer Institute, Virology, National Reference Center for Retroviruses, LMU Munich	Laboratory for Functional Genome Analysis, Dept. Genomics, Gene Center of the LMU Munich	Alexander Graf; Ashok Varadharajan; Helmut Blum; Max Muenchhoff; Oliver Keppler; Stefan Krebs
EPI_ISL_420898, EPI_ISL_420902, EPI_ISL_420904, EPI_ISL_420909			
EPI_ISL_1751109, EPI_ISL_1751112, EPI_ISL_1751364, EPI_ISL_1751386, EPI_ISL_1751473, EPI_ISL_1751483, EPI_ISL_1751560, EPI_ISL_1751604, EPI_ISL_1751612, EPI_ISL_1751614, EPI_ISL_1751688, EPI_ISL_1751718, EPI_ISL_1751727, EPI_ISL_1751775, EPI_ISL_1751994, EPI_ISL_1752020, EPI_ISL_1752023, EPI_ISL_1752134, EPI_ISL_1752258, EPI_ISL_2094537, EPI_ISL_2094687, EPI_ISL_2094751, EPI_ISL_2094788, EPI_ISL_2095042, EPI_ISL_2095043, EPI_ISL_2095191, EPI_ISL_2095192, EPI_ISL_2095194, EPI_ISL_2095195, EPI_ISL_2095196, EPI_ISL_2095197, EPI_ISL_2095199, EPI_ISL_2095200, EPI_ISL_2095201, EPI_ISL_2095202, EPI_ISL_2095203, EPI_ISL_2095204, EPI_ISL_2095205, EPI_ISL_2095206, EPI_ISL_2095207, EPI_ISL_2095209, EPI_ISL_2095212, EPI_ISL_2095213, EPI_ISL_2095214, EPI_ISL_2095215, EPI_ISL_2095216, EPI_ISL_2095217, EPI_ISL_2095219, EPI_ISL_2095220, EPI_ISL_2095221, EPI_ISL_2095222, EPI_ISL_2095224, EPI_ISL_2095225, EPI_ISL_2095226, EPI_ISL_2095227, EPI_ISL_2095228, EPI_ISL_2095233, EPI_ISL_2095237, EPI_ISL_2095239, EPI_ISL_2095240, EPI_ISL_2095241, EPI_ISL_2095243, EPI_ISL_2095244, EPI_ISL_2095245, EPI_ISL_2095246, EPI_ISL_2095247, EPI_ISL_2095248, EPI_ISL_2095250, EPI_ISL_2095251, EPI_ISL_2095252, EPI_ISL_2095255, EPI_ISL_2095302, EPI_ISL_2450309	Laboratory for Functional Genome Analysis; Dept. Genomics; Gene Center of the LMU Munich	Alexander Graf; Helmut Blum; Max Muenchhoff; Oliver Keppler; Stefan Krebs	
see above	Max von Pettenkofer Institute, Virology, National Reference Center for Retroviruses, LMU Munich	Laboratory for Functional Genome Analysis; Dept. Genomics; Gene Center of the LMU Munich	Alexander Graf; Helmut Blum; Max Muenchhoff; Oliver Keppler; Stefan Krebs
EPI_ISL_437204, EPI_ISL_437233, EPI_ISL_437238, EPI_ISL_437240, EPI_ISL_437243, EPI_ISL_437276, EPI_ISL_437279, EPI_ISL_437359, EPI_ISL_451937, EPI_ISL_451938, EPI_ISL_451941, EPI_ISL_451944, EPI_ISL_466888, EPI_ISL_466889, EPI_ISL_466892, EPI_ISL_466901, EPI_ISL_466905, EPI_ISL_466906, EPI_ISL_466908, EPI_ISL_466909, EPI_ISL_466910, EPI_ISL_466912, EPI_ISL_466917, EPI_ISL_466918, EPI_ISL_466920, EPI_ISL_466922, EPI_ISL_466923, EPI_ISL_466924, EPI_ISL_548957, EPI_ISL_852564, EPI_ISL_852569, EPI_ISL_852574, EPI_ISL_852575, EPI_ISL_852576, EPI_ISL_852580, EPI_ISL_852581, EPI_ISL_852582, EPI_ISL_852584, EPI_ISL_852586, EPI_ISL_852588, EPI_ISL_852589, EPI_ISL_852590, EPI_ISL_852591, EPI_ISL_852592, EPI_ISL_852600	Laboratory for Functional Genome Analysis, Dept. Genomics, Gene Center of the LMU Munich	Alexander Graf; Helmut Blum; Max Muenchhoff; Oliver Keppler; Stefan Krebs	
see above	Max von Pettenkofer Institute, Virology, National Reference Center for Retroviruses, LMU München	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	Alexander Dilthey; Andreas Walker; Angelika Helmer; Christian Lange; Daniel Strelow; Jessica Nicolai; Jörg Timm; Klaus Pfeffer; Lisanna Hülse; Malte Kohns Vasconcelos; Maximilian Damagnez; Nadine Lübke; Tobias Wienemann; Torsten Houwaart
EPI_ISL_1347202, EPI_ISL_1347400, EPI_ISL_1347433, EPI_ISL_1990651	Medical Laboratories Duesseldorf	Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf	
EPI_ISL_549081	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust,	Norwegian Institute of Public Health, Department of Virology	Hilde Elshaug; Hilde Synnøve Vollan; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Olav Hungnes; Rasmus Riis Kopperud
EPI_ISL_581453, EPI_ISL_581454, EPI_ISL_581457, EPI_ISL_581459, EPI_ISL_581465, EPI_ISL_581483	Medizinische Klinik Innere Medizin I, Universitätsklinikum Tübingen	NGS Competence Center Tübingen, Institut für Medizinische Mikrobiologie und Hygiene, Universitätsklinikum Tübingen	Angel Angelov
EPI_ISL_1280885, EPI_ISL_1892868	Medizinisches Zentrallabor Altenburg GmbH & Co.KG	Robert Koch Institute	
	Microbiologia CATLAB	Can Rutí SARS-CoV-2 Sequencing Hub (HUGTIP/IrSiCaixa/GTP)	Alba Sánchez; Anna Nob; Antoni E Bordoy; Bonaventura Clotet; Cristina Casañ; Cristina Esteban; Francesc Catala-Moll; Gemma Clara; Ignacio Blanco; Marc Noguera-Julian; Maria Casadellà; Mariona Parera; Mercedes Guerrero; Montserrat Giménez; Pere-Joan Cardona; Pilar Armengol; Roger Paredes; Verónica Saludes; and Elisa Martró on behalf of the Can Rutí SARS-CoV-2 Sequencing Hub.
EPI_ISL_2140529, EPI_ISL_2281285, EPI_ISL_2281297, EPI_ISL_2281313	Microbiology Department, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol	Can Rutí SARS-CoV-2 Sequencing Hub (HUGTIP/IrSiCaixa/GTP)	Alba Sánchez; Anna Nob; Antoni E Bordoy; Bonaventura Clotet; Cristina Casañ; Cristina Esteban; Francesc Catala-Moll; Gemma Clara; Ignacio Blanco; Marc Noguera-Julian; Maria Casadellà; Mariona Parera; Mercedes Guerrero; Montserrat Giménez; Pere-Joan Cardona; Pilar Armengol; Roger Paredes; Verónica Saludes; and Elisa Martró on behalf of the Can Rutí SARS-CoV-2 Sequencing Hub.
EPI_ISL_1208415, EPI_ISL_1208651, EPI_ISL_1263405, EPI_ISL_2035872	Microbiology Department, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol.	Can Rutí SARS-CoV-2 Sequencing Hub (HUGTIP/IrSiCaixa/GTP)	Alba Sánchez; Anna Not; Antoni E Bordoy; Bonaventura Clotet; Carol Galvez Maria Casadellà; Cristina Casañ; Cristina Esteban; Francesc Catala-Moll; Gemma Clara; Ignacio Blanco; Irina Pey; Jordi Barretina; Jose Francisco Sánchez; Julia G Prado; Lauro Sumoy; Marc Noguera-Julian; Maria Casadellà; Mariona Parera; Mercedes Guerrero; Montserrat Giménez; Pere-Joan Cardona; Pilar Armengol; Roger Paredes; Verónica Saludes; and Elisa Martró on behalf of the Can Rutí SARS-CoV-2 Sequencing Hub.
EPI_ISL_1502200	Microbiology Department, University Hospital Donostia	Microbiology Department, University Hospital Donostia	Cilla G.; Gomez M; Marimon JM; Montes M; Piñeiro L; Sorraain A
EPI_ISL_2365883	Microbiology Department. Complejo Hospitalario Universitario de Vigo	Microbiology Department. Complejo Hospitalario Universitario de Vigo	Alfaya N; Alonso I; Alvarez M; Cabrera JJ; Carballo R; Cores O; Cortizo S; Martinez L; Mediero G; Perez S; Potel C; Regueiro B; Rey S; Vasallo FJ; del-Campo V
EPI_ISL_1857293	Microbiology and Virology Laboratory, "Policlinico Riuniti, Azienda Ospedaliero Universitaria, Foggia"	Microbiology and Virology Laboratory, "Policlinico Riuniti, Azienda Ospedaliero Universitaria, Foggia"	Annamaria D'Aprile; Daniela Pisanelli; Donatella Cedola; Fabio Arena; Loris Micelli; Maria Pia Patrizio; Maria Rosaria Lipsi; Maurizio Margaglione and Rosella De Nittis.; Settimia Altamura; Tiziana Rollo; Valeria Delli Carri
EPI_ISL_1170007	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar; Gulay Korukluoglu; Suleyman Yalcin; Yasemin Cosgun
EPI_ISL_1858183, EPI_ISL_1860284, EPI_ISL_1862694, EPI_ISL_1863277, EPI_ISL_1868497, EPI_ISL_1870110, EPI_ISL_1871547, EPI_ISL_1872060, EPI_ISL_1873737, EPI_ISL_1875732, EPI_ISL_1876034, EPI_ISL_1876076, EPI_ISL_1878732, EPI_ISL_1879658, EPI_ISL_1880072, EPI_ISL_1880777, EPI_ISL_1880888, EPI_ISL_1881529, EPI_ISL_1881789, EPI_ISL_1884419, EPI_ISL_1887140, EPI_ISL_1888338, EPI_ISL_1889887, EPI_ISL_1890438, EPI_ISL_1890465, EPI_ISL_1890491, EPI_ISL_1891180, EPI_ISL_1891989, EPI_ISL_1893228, EPI_ISL_1893868, EPI_ISL_1894110, EPI_ISL_1895961, EPI_ISL_1896619			
see above	Molekylær Medicinsk Afdeling, Aarhus University Hospital, Aarhus, Denmark	Aalborg University	Danish Covid-19 Genome Consortium
EPI_ISL_2429333	Molekylær Medicinsk Afdeling, Aarhus University Hospital, Aarhus, Denmark	Statens Serum Institut Bioinformatics and Microbial Genomics	Danish Covid-19 Genome Consortium
EPI_ISL_490205, EPI_ISL_490208	München Klinik Schwabing	MGZ Medical Genetics Center	Dieter A. Wolf; Elke Holinski-Feder
EPI_ISL_1623650, EPI_ISL_1623652	NOVABIO DORDOGNE		
EPI_ISL_416036	National Influenza Center - Instituto Adolfo Lutz	CMR Virus des Infections Respiratoires - France SUD	Antonin Bal; Bruno Lina; Gregory Destras; Gwendolynne Burfin; Hadrien Regue; Laurence Jossot; Martine Valette; Quentin Semanas
EPI_ISL_402125	National Institute for Communicable Disease Control and Prevention (ICDC) Chinese Center for Disease Control and Prevention (China CDC)	Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory	Adriana Bugno; Adriano Abbud; Carlos Henrique Camargo; Claudia Regina Gonçalves; Claudio Tavares Sacchi; Daniela Bernardes Borges da Silva; Erica Valessa Ramos Gomes; Fabiana Cristina Pereira dos Santos; Maria do Carmo Sampaio Tavares Timenetsky; Simone Guadagnucci Morillo; Terezinha Maria de Paiva
		National Institute for Communicable Disease Control and Prevention (ICDC) Chinese Center for Disease Control and Prevention (China CDC)	Chen; Dai; F.-H.; Hu, Y.; J.-H.; J.-J.; J.-L. and Zhu; Liu, Y.; Pei; Q.-M.; She; Song; T.-Y.; Tao; Tian; Wang; Wang, W.; Wu, F.; Xu, L.; Y.-L.; Y.-M.; Y.-Y.; Y.-Z.; Yu, B.; Z.-G.; Z.-W.; Zhang; Zhao, S.; Zheng
EPI_ISL_408484	National Institute for Viral Disease Control and Prevention, China CDC	National Institute for Viral Disease Control & Prevention, CCDC	Baoying Huang; Fei Ye; George F. Gao; Guizhen Wu; Huiping Yang; Jianan Xu; Li Zhao; Peihua Niu; Roujian Lu; Wenbo Xu; Wenjie Tan; Wenling Wang; Xiang Zhao
EPI_ISL_2259635	Niedersächsisches Landesgesundheitsamt (NLGA)	Robert Koch Institute	
EPI_ISL_775281, EPI_ISL_775282, EPI_ISL_775283, EPI_ISL_775289, EPI_ISL_775295, EPI_ISL_775296, EPI_ISL_775297, EPI_ISL_775301, EPI_ISL_775302, EPI_ISL_775375, EPI_ISL_2333081, EPI_ISL_2333496, EPI_ISL_2333540	Nordland Hospital - Bodo, Laboratory Department, Molecular Biology Unit	Norwegian Institute of Public Health, Department of Virology	*Kathrine Stene-Johansen; Atiya R Ali; Debech Nadia; Engebretsen Serina Beate; Garcia Llorente Ignacio; Hilde Elshaug; Hilde Vollan; Jon Bråte; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Line Victoria Moen; Marie Paulsen Madsen; Olav Hungnes; Pedersen Benedikte Nevjen; Rasmus Riis Kopperud
see above	Nordland Hospital - Bodo, Laboratory Department, Molecular Biology Unit		
EPI_ISL_573394, EPI_ISL_577035, EPI_ISL_584694, EPI_ISL_584702, EPI_ISL_594989, EPI_ISL_594998, EPI_ISL_595043, EPI_ISL_612527, EPI_ISL_724940, EPI_ISL_725009, EPI_ISL_741447			
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	Andrew Nelson; Brendan Payne; Clive Graham; Darren L Smith; Debra Padgett; Edward Barton; Emma Swindells; Garren Scott; Gary Black; Gary Eltringham; Giles S Holt; Greg R Young; Jane Greenaway; Jennifer Collins; John Allan; Joshua Loh; Lynn Dover; Matthew Bashton;

EPI_ISL_840382, EPI_ISL_840595, EPI_ISL_841343, EPI_ISL_867338, EPI_ISL_867844, EPI_ISL_951561, EPI_ISL_952084, EPI_ISL_952086, EPI_ISL_952173, EPI_ISL_952302, EPI_ISL_999622, EPI_ISL_999891, EPI_ISL_1052526, EPI_ISL_1052528, EPI_ISL_1052751, EPI_ISL_1053036, EPI_ISL_1053149, EPI_ISL_1053180, EPI_ISL_1053294, EPI_ISL_1106372, EPI_ISL_1106376, EPI_ISL_1107443, EPI_ISL_1179574	Mohammad A Tariq; Paul Baker; Sarah Essex; Steve Liggett; Wen C Yew; Yusrì Taha	
	see above	Originating lab: Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit
EPI_ISL_2425845, EPI_ISL_2425847	Oslo University Hospital, Department of Medical Microbiology	
EPI_ISL_1260869	Ospedale Mater Salutis	
EPI_ISL_833325	Ospedale SS Annunziata Chieti	
EPI_ISL_549043, EPI_ISL_549044, EPI_ISL_549045, EPI_ISL_549046, EPI_ISL_549047, EPI_ISL_549126, EPI_ISL_549127, EPI_ISL_549130, EPI_ISL_549131, EPI_ISL_549134, EPI_ISL_549136, EPI_ISL_549137, EPI_ISL_549139, EPI_ISL_549140, EPI_ISL_549141, EPI_ISL_549142, EPI_ISL_549145, EPI_ISL_549146, EPI_ISL_549147, EPI_ISL_549148, EPI_ISL_549149, EPI_ISL_549150, EPI_ISL_549151, EPI_ISL_549152, EPI_ISL_549153, EPI_ISL_549155, EPI_ISL_549156, EPI_ISL_549157, EPI_ISL_549158, EPI_ISL_549159, EPI_ISL_549163, EPI_ISL_590922, EPI_ISL_2333080	Norwegian Institute of Public Health, Department of Virology	
see above	Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	
EPI_ISL_549534, EPI_ISL_559841, EPI_ISL_627257, EPI_ISL_741030, EPI_ISL_1309734, EPI_ISL_2367313	Oxford Viromics, NDM, University of Oxford; Oxford University Hospitals; Basingstoke and North Hampshire Hospital	
EPI_ISL_2035944, EPI_ISL_2035948, EPI_ISL_853923	PSVJ	
EPI_ISL_2155260	Pasteur Institute - Laboratory of Clinical Virology	
EPI_ISL_582134, EPI_ISL_1092037, EPI_ISL_1092052, EPI_ISL_1092055, EPI_ISL_1092064, EPI_ISL_1092074, EPI_ISL_1092078, EPI_ISL_1092081, EPI_ISL_1092100, EPI_ISL_1092246, EPI_ISL_1092273, EPI_ISL_1092275, EPI_ISL_1092306, EPI_ISL_1092316, EPI_ISL_1092318	Pharmgenetix GmbH	
see above	Philippine Red Cross - Port Area	
EPI_ISL_887168, EPI_ISL_887170, EPI_ISL_887175, EPI_ISL_887176, EPI_ISL_887185, EPI_ISL_887187, EPI_ISL_887189, EPI_ISL_887200, EPI_ISL_887202, EPI_ISL_887205, EPI_ISL_887209, EPI_ISL_887217, EPI_ISL_887224, EPI_ISL_887226, EPI_ISL_887231, EPI_ISL_887235, EPI_ISL_887327, EPI_ISL_887347, EPI_ISL_887353, EPI_ISL_887370, EPI_ISL_887372, EPI_ISL_887390, EPI_ISL_887391, EPI_ISL_887398, EPI_ISL_887402, EPI_ISL_887405, EPI_ISL_887408, EPI_ISL_887409	Protzer Lab	
see above	Protzer Lab	
EPI_ISL_1373179, EPI_ISL_1373185, EPI_ISL_1373186, EPI_ISL_1373256, EPI_ISL_1373271, EPI_ISL_1373282, EPI_ISL_1373284, EPI_ISL_1373303, EPI_ISL_1373306, EPI_ISL_1373312, EPI_ISL_1373313	Protzer Lab, Laboratory for Functional Genome Analysis, Dept. Genomics, Gene Center of the LMU Munich	
see above	Protzer Lab, Gagneur Lab, Robert Koch Institut	
EPI_ISL_2379828, EPI_ISL_2380126, EPI_ISL_596164, EPI_ISL_664747	Public Health Authority of the Slovak Republic	
EPI_ISL_594968, EPI_ISL_613321	Quadram Institute Bioscience	
EPI_ISL_1201590	Queens Medical Centre, Clinical Microbiology Department / DeepSeq Nottingham	
EPI_ISL_637171, EPI_ISL_686548, EPI_ISL_2108816, EPI_ISL_2521388	Regionalne Centrum Krwiodawstwa i Krwiolecznictwa w Białymstoku Pracownia Diagnostyki Molekularnej wirusa SARS-CoV-2	
EPI_ISL_1389035	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	
EPI_ISL_2278513, EPI_ISL_2311648, EPI_ISL_806762	Robert-Bosch-Krankenhaus	
EPI_ISL_833312	Rothen Medizinische Laboratorien AG	
EPI_ISL_1142071, EPI_ISL_1145693, EPI_ISL_1152705, EPI_ISL_1355998, EPI_ISL_1434845, EPI_ISL_1568053, EPI_ISL_1847784, EPI_ISL_2112654, EPI_ISL_1081786	Rothen Medizinische Laboratorien AG	
EPI_ISL_1393515, EPI_ISL_2132822, EPI_ISL_2132836, EPI_ISL_2132891, EPI_ISL_2510344, EPI_ISL_2510445, EPI_ISL_2510450, EPI_ISL_2510477, EPI_ISL_2510478, EPI_ISL_2510491, EPI_ISL_2510524	SELAS BIOLAB AVENIR	
see above	SIESP CHIETI - DRIVE IN ORTONA	
EPI_ISL_1588941, EPI_ISL_2322395, EPI_ISL_2404889	SIESP CHIETI- DRIVE IN CHIETI	
EPI_ISL_1589642, EPI_ISL_2271068, EPI_ISL_2271085, EPI_ISL_2271104, EPI_ISL_2271297	SYNLAB Jena Oncoscreen	
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	Alec Birchley; Alexander Adams; Amy Gaskin; Angela Marchbank; Bree Gatica-Wilcox; Catherine Moore; Jason Coombes; Joanne Watkins; Joel Southgate; Johnathan Evans; Laura Gifford; Lauren Gilbert; Lee Graham; Malorie Perry; Matthew Bull; Nicole Pacchiarini; Sally Corden; Sara Kumziene-Summerhayes; Sara Rey; Sarah Taylor; Simon Cottrell; Sophie Jones; Tom Connor	
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	Norwegian Institute of Public Health, Department of Virology	
	COVID-19 Genomics UK (COG-UK) Consortium	
	Laboratory of genomics and metagenomics	
	Pasteur Institute - Laboratory of Clinical Virology	
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	Alex thea R. de Guzman; Anna Ong-Lim; Arianne A. Zamora; Asia Louisa U. Chong; Benedict A. Maralit; Candice Francheska B. Tambaoan; Carlo M. Lapid; Celia Carlos; Devon Ray Pacial; Edsel Maurice Salvaña; El King D. Morado; Eva Maria Cutiongco-de la Paz; Francis A. Tablizo; Irish Coleen A. Asin; Jaime C. Montoya; Jan Michael C. Yap; Jo-Hannah S. Llames; John Q. Wong; Joshua Gregor A. Dizon; Juan Antonio R. Magalang; Karol Sophia Agape R. Padilla; Kenneth M. Kim; Kris P. Punayan; Marc Edsel C. Ayes; Marc Jerrone R. Castro; Maria Rosario Singh-Vergeire and Cynthia P. Saloma; Maria Sofia L. Yangzon; Marissa Alejandria; Razel Nikka M. Haeo; Rianna Patricia S. Cruz; Sheila Mae M. Araiza	
	Protzer Lab	
	Protzer Lab, Laboratory for Functional Genome Analysis, Dept. Genomics, Gene Center of the LMU Munich	
	Protzer Lab, Gagneur Lab, Robert Koch Institut	
	Public Health Authority of the Slovak Republic	
	COVID-19 Genomics UK (COG-UK) Consortium	
	COVID-19 Genomics UK (COG-UK) Consortium	
	1. National Institute of Public Health - National Institute of Hygiene; 2. Eurofins Genomics Europe Sequencing GmbH	
	COVID-19 Genomics UK (COG-UK) Consortium	
	Robert Koch Institute	
	Robert Koch Institute	
	Andersen lab at Scripps Research	
	Centro de Secuenciación NASERTIC	
	SeqCOVID-SPAIN consortium/IBV(CSIC)	
	Claire Bertelli; Damien Jacot; Gilbert Greub; Sébastien Aebys; Trestan Pillonel	
	Anissa Chouikha; Henda Triki; Kais Ghedria; Mariem Gdoura; Sondos Haddad; Wasfi Fares	
	Alexander Lercher; Alexandra Popa; Andreas Bergthaler; Anna Schedl; Benedikt Agerer; Christoph Bock; Jakob-Wendelin Genger; Jan Laine; Lukas Endler; Martin Senekowitsch; Michael Schuster; Thomas Penz	
	Alexander Karollus; Andrea Theumer; Dieter Hoffmann; Eva Schulte; Julien Gagneur; Max von Kleist; Oliver Drechsel; Ulrike Protzer	
	Angel Angelov; Christina Engesser; Dieter Hoffmann; Elisabeth Esser; Eva C.Schulte; Julien Gagneur; Michael Sonnabend; Nicholas H.Smith; Till Bunse; Ulrike Protzer	
	Anna Gičová; Barbora Kotvasová; Elena Tichá; Lucia Ševčíková; Miroslav Böhmer; Pavol Mišenko; Terézia Vrabčová; Tomáš Szemes	
	Alexander J Trotter; Alison E. Mather; Alp Aydin; Ana P. Tedim; Anastasia Kolyva; Andrew Bell; Andrew J. Page; Claire Stuart; Dave J. Baker; Gemma L. Kay; John Wain; Justin O'Grady; Leonardo de Oliveira Martins; Lizzie Meadows; Maria Diaz; Mark Webber; Muhammed Yasir; Nabil-Fareed Alikhan; Ngozi Elumogo; Nicholas M. Thomson; Rachael Stanley; Rachel Gilroy; Reenesh Prakash; Samir Dervisevic; Samuel Bloomfield; Steven Rudder; Thanh Le-Viet	
	Christopher Moore; Fei Sang; Gemma Clark; Hannah Howson-Wells; Johnny Debebe; Jonathan Ball; Joseph Chappell; Manjinder Khakh; Matthew Carlisle; Matthew Loose; Michelle M Lister; Nadine Holmes; Patrick McClure; Theocharis Tsoleiridis; Vicki M Fleming; Victoria Wright; Wendy Smith	
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	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	
	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	
	Robert Koch Institute	
	Robert Koch Institute	
	Brett Austin; Jovan Shepard; SEARCH Alliance San Diego with Tracy Basler	
	Ana Miqueleiz; Ana Navascués; Carmen Ezpeleta Baquedano	
	Ana Miqueleiz and SeqCOVID-SPAIN consortium; Ana Navascués; Carmen Ezpeleta Baquedano	
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	Alexander Trisanchó Baró; Ana Milagro; Antonio Rezusta López; Nieves Martínez Cameo and SeqCOVID-SPAIN consortium; Yolanda Gracia Grataloup	



EPI_ISL_1013054, EPI_ISL_1013067	Servicio de Microbiología, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol. Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol (IGTP)	IrsiCaixa - Can Ruti CovidSeq	Adrián Antuori; Ana Pérez; Anna Not; Antoni E. Bordoý; Bonaventura Clotet Elisa Martró; Cristina Casañ; Cristina Esteban; Francesc Catala-Moll; Ignacio Blanco; Marc Noguera-Julian; Maria Casadellà; Mariàna Parera; Montserrat Giménez; Pilar Armengol; Roger Paredes; Verónica Saludes
EPI_ISL_654526, EPI_ISL_660267, EPI_ISL_660281, EPI_ISL_660301, EPI_ISL_855455, EPI_ISL_855470, EPI_ISL_855478, EPI_ISL_855488, EPI_ISL_855490, EPI_ISL_871933 see above	Servicio de Microbiología, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol. Institut d'Investigació en Ciències de la Salut Germans Trias i Pujol (IGTP)	SeqCOVID-SPAIN consortium/IBV(CSIC)	Adrián Antuori; Anabel Fernández; Anna Not; Antoni E. Bordoý; Cristina Casañ and SeqCOVID-SPAIN consortium; Elisa Martró; Nona Romani; Nona Romani and SeqCOVID-SPAIN consortium; Verónica Saludes
EPI_ISL_1716684, EPI_ISL_1970033, EPI_ISL_1970035, EPI_ISL_1970083, EPI_ISL_1970085, EPI_ISL_1970086, EPI_ISL_1970087, EPI_ISL_2081674, EPI_ISL_2081675 see above	Servicio de Microbiología. Consorcio Hospital General Universitario de Valencia	SeqCOVID-SPAIN consortium/IBV(CSIC)	Begoña Fuster Escrivá; Carme Salvador García; Concepción Gimeno Cardona and SeqCOVID-SPAIN consortium; María Dolores Ocete; Rafael Medina González
EPI_ISL_1967729, EPI_ISL_1967741, EPI_ISL_1967742, EPI_ISL_1967744, EPI_ISL_1967747 EPI_ISL_1109658, EPI_ISL_2100113, EPI_ISL_2100132	Servicio de Microbiología. Hospital Arnau de Vilanova	SeqCOVID-SPAIN consortium/IBV(CSIC)	Amparo Farga and SeqCOVID-SPAIN consortium; Rocío Falcón; Victoria Domínguez
EPI_ISL_1916225, EPI_ISL_1963495, EPI_ISL_1963496, EPI_ISL_1963853, EPI_ISL_1963881, EPI_ISL_1963894, EPI_ISL_1967760, EPI_ISL_2003991, EPI_ISL_2003992, EPI_ISL_2003995, EPI_ISL_2003998, EPI_ISL_2016370 see above	Servicio de Microbiología. Hospital General Universitario de Castellón	SeqCOVID-SPAIN consortium/IBV(CSIC)	David Navarro Ortega; Eliseo Albert Vicent; Ignacio Torres and SeqCOVID-SPAIN consortium
EPI_ISL_1963503, EPI_ISL_1963504, EPI_ISL_1963509, EPI_ISL_1963510, EPI_ISL_1963511, EPI_ISL_1963517, EPI_ISL_1963523, EPI_ISL_1963531, EPI_ISL_1963532, EPI_ISL_1963533, EPI_ISL_1963534, EPI_ISL_1963536, EPI_ISL_1963545, EPI_ISL_1963554, EPI_ISL_1963555, EPI_ISL_1963556, EPI_ISL_1967873, EPI_ISL_2100065, EPI_ISL_2135372, EPI_ISL_2135375, EPI_ISL_2135378, EPI_ISL_2135390, EPI_ISL_2135391, EPI_ISL_2135417, EPI_ISL_2439994 see above	Servicio de Microbiología. Hospital Universitario Doctor Peset	SeqCOVID-SPAIN consortium/IBV(CSIC)	María Dolores Tirado Balaguer and SeqCOVID-SPAIN consortium; Rosario Moreno Muñoz
EPI_ISL_2465790, EPI_ISL_2465811 EPI_ISL_1143250 EPI_ISL_1142742 EPI_ISL_2156666	Servicio de Microbiología. Hospital Universitario Donostia. OSI Donostialdea. Área de Enfermedades Infecciosas, Grupo de Infección Respiratoria y Resistencia Antimicrobiana. Instituto de Investigación Sanitaria Biodonostia Sonic - Labor Dr. von Foreich GmbH Sonic - MVZ Medizinisches Labor Bremen GmbH Southern Isabela Medical Center Molecular Diagnostic & Research Laboratory (SIMC - MDRL)	SeqCOVID-SPAIN consortium/IBV(CSIC)	José Miguel Nogueira Coito and SeqCOVID-SPAIN consortium; Juan Alberola Enguldanos; Juan José Camarena Miñana; Rosa González Pellicer
		SeqCOVID-SPAIN consortium/IBV(CSIC)	Ane Sorrairan; Gustavo Cilla Eguiluz; Jose Maria Marimón and SeqCOVID-SPAIN consortium; Luis Piñeiro Vázquez; Milagrosa Montes Ros
		Robert Koch Institute Robert Koch Institute Philippine Genome Center	Alethea R. de Guzman; Anna Ong-Lim; Arianne A. Zamora; Asia Louisa U. Chong; Benedict A. Maralit; Candice Francheska B. Tambaoan; Carlo M. Lapid; Celia Carlos; Devon Ray Pacial; Edsel Maurice Salvaña; El King D. Morado; Elcid Aaron R. Pangilinan; Eva Maria Cutiongco-de la Paz; Francis A. Tablizo; Irish Coleen A. Asin; Jaime C. Montoya; Jan Michael C. Yap; Jo-Hannah S. Llamas; John Q. Wong; Joshua Gregor A. Dizon; Juan Antonio R. Magalang; Karol Sophia Agape R. Padilla; Kenneth M. Kim; Kris P. Punayan; Marc Edsel C. Ayes; Marc Jerrone R. Castro; Maria Rosario Singh-Vergeire and Cynthia P. Saloma; Maria Sofia L. Yangzon; Marissa Alejandria; Razel Nikka M. Hao; Rianna Patricia S. Cruz; Sheila Mae M. Araiza
EPI_ISL_1147444	Städtisches Klinikum Dresden	Robert Koch Institute	
EPI_ISL_1198341, EPI_ISL_1200033, EPI_ISL_1290543, EPI_ISL_1418731, EPI_ISL_1418733, EPI_ISL_1418748, EPI_ISL_1617456, EPI_ISL_1617540, EPI_ISL_1617547, EPI_ISL_1617906, EPI_ISL_1618382, EPI_ISL_1807545, EPI_ISL_1807595, EPI_ISL_1808178, EPI_ISL_1808575, EPI_ISL_1810683, EPI_ISL_1810695, EPI_ISL_1831791, EPI_ISL_1831826, EPI_ISL_1832060, EPI_ISL_1832062, EPI_ISL_1832150, EPI_ISL_1832390, EPI_ISL_1897831, EPI_ISL_1898194, EPI_ISL_1898223, EPI_ISL_1898276, EPI_ISL_1898339, EPI_ISL_1898593, EPI_ISL_1898716, EPI_ISL_1899503, EPI_ISL_1902492, EPI_ISL_2099074, EPI_ISL_2196373, EPI_ISL_2196395, EPI_ISL_2196396, EPI_ISL_2196420, EPI_ISL_2196425, EPI_ISL_2196436, EPI_ISL_2196446, EPI_ISL_2196455, EPI_ISL_2196462, EPI_ISL_2196466, EPI_ISL_2196484, EPI_ISL_2196485, EPI_ISL_2196487, EPI_ISL_2196488, EPI_ISL_2196489, EPI_ISL_2196490, EPI_ISL_2196491, EPI_ISL_2196493, EPI_ISL_2196494, EPI_ISL_2196499, EPI_ISL_2196512, EPI_ISL_2196515, EPI_ISL_2196518, EPI_ISL_2196603, EPI_ISL_2196644, EPI_ISL_2196656, EPI_ISL_2196678, EPI_ISL_2196680, EPI_ISL_2196683, EPI_ISL_2196723, EPI_ISL_2196733, EPI_ISL_2196744, EPI_ISL_2196747, EPI_ISL_2196749, EPI_ISL_2196755, EPI_ISL_2196761, EPI_ISL_2196764, EPI_ISL_2196769, EPI_ISL_2196782, EPI_ISL_2196791, EPI_ISL_2196792, EPI_ISL_2206208, EPI_ISL_2209928, EPI_ISL_2210680, EPI_ISL_2408740, EPI_ISL_2408755, EPI_ISL_2408811, EPI_ISL_2408907, EPI_ISL_2409069, EPI_ISL_2409135, EPI_ISL_2409367, EPI_ISL_2409412, EPI_ISL_2409491, EPI_ISL_2409600, EPI_ISL_2409735, EPI_ISL_2409754, EPI_ISL_2410837 see above	The Public Health Agency of Sweden Institute of Biomedicine and Translational Medicine, University of Tartu SeqCOVID-SPAIN consortium/IBV(CSIC)	Alma Brolund; Maria Lind Karlberg; Maximilian Riess; Swedish national genomic surveillance program of SARS-CoV-2 Aare Abroi; Kristi Huik; Radko Avi; Taavi Päll; Tuuli Reisberg; Ulvi Gerst-Talas Amparo Broseta Tamarit; Carlos Gulin Blanco and SeqCOVID-SPAIN consortium	
EPI_ISL_2391361	Swedish national genomic surveillance program of SARS-CoV-2 Synlab	1. Laboratory of Communicable Diseases (Estonia); 2. Eurofins Genomics Europe Sequencing GmbH	Lidia Dotsenko et al.
EPI_ISL_1916161, EPI_ISL_1916170, EPI_ISL_1916180 EPI_ISL_1259052, EPI_ISL_1319325, EPI_ISL_1319384, EPI_ISL_1470092, EPI_ISL_2097010, EPI_ISL_2097016 EPI_ISL_2505220	Synlab - Hospital de Manises  Synlab Eesti OÜ  TYKS, Kliininen mikrobiologia	Expert Microbiology, National Institute for Health and Welfare deCODE genetics	Carita Savolainen-Kopra; Erika Lindh; Haider al-Hello; Jani Halkilahti; Kirsi Liitsola; Niina Ikonen; Olli Vapalahti; Pekka Ellonen; Phuoc Truong; Päivi Laurila; Ravi Kant; Sari Hannula; Soile Blomqvist; Teemu Smura Agnar Helgason; Alma Moller; Arna B Agustsdottir; Arnaldur Gylfason; Asgeir Sigurdsson; Aslaug Jonasdottir; Berglind Eiriksdottir; Bjarni Thorbjörnsson; Brynjar O Jensen; Daniel F Gudbjartsson; Droplaug N Magnúsdottir; Elisabet E Gardarsdóttir; Emil A Thorarinn; Gardar Sveinbjörnsson; Gisli Masson; Guðmundur Georgsson; Guðmundur L Norddahl; Guðrun Sigmundsdóttir; Hakon Jonsson; Hannes Eggertsson; Hilma Holm; Ingileif Jonsdottir; Jóna Saemundsdóttir; Kamilla S Josefsdóttir; Kari Stefansson; Karl G Kristinnsson; Kjartan R Guðmundsson; Kristin E Sveinsdóttir; Louise le Roux; Maney Sveinsdóttir; Olafía S Gretarsdóttir; Olafur T Magnússon; Páll Melsted; Patrick Sulem; Run Fridriksdóttir; Solvi Rognvaldsson; Thora R Gunnarsdóttir; Thordur Kristjánsson; Thorolfur Gudnason; Unnur Thorsteinsdottir
EPI_ISL_883176, EPI_ISL_883178, EPI_ISL_883187 EPI_ISL_977182	UK Tübingen, Medical Microbiology  ULSS 6 Euganea	Hannover Medical School, Institute of Virology	Jasper Götting; Lars Steinbrück
EPI_ISL_1260896	ULSS 7 Pedemontana - Distretto 1	Istituto Zooprofilattico Sperimentale delle Venezie	Adelaide Milani; Alessia Schivo; Alice Fusaro; Ambra Pastori; Annalisa Salviato; Antonia Ricci; Bianca Zecchin; Calogero Terregino; Erika Giorgia Quaranta; Isabella Monne
EPI_ISL_2392072	ULSS 8 Berica	Istituto Zooprofilattico Sperimentale delle Venezie	Adelaide Milani; Alessia Schivo; Alice Fusaro; Ambra Pastori; Annalisa Salviato; Antonia Ricci; Calogero Terregino; Edoardo Giussani; Elisa Palumbo; Erika Giorgia Quaranta; Isabella Monne; Luca Tassoni
EPI_ISL_1402565, EPI_ISL_1402573, EPI_ISL_2230585, EPI_ISL_2230586 EPI_ISL_1715102	UMC Groningen, Clinical Virology, Department of Medical Microbiology and Infection Prevention  UOC laboratorio di analisi Istituto Giannina Gaslini	UMC Groningen, Clinical Virology, Department of Medical Microbiology and Infection Prevention  TIGEM	Alexander Friedrich; Coretta Van Leer-Buter; Erley Lizarazo-Forero; Hubert Niesters; Lilli Gard; Marjolein Knoester; Monika Fliss; Monika Flisskowska; Sigrid Rosema; Xuewei Zhou Antonio Grimaldi Patrizia Annunziata Francesco Panariello Teresa Giuliano Valentina Bouche Chiara Colantuono Lucio Di Filippo Anna Manfredi Marcello Salvi Andrea Ballabio Davide Cacchiarelli
EPI_ISL_735221, EPI_ISL_735222, EPI_ISL_735224, EPI_ISL_735225, EPI_ISL_735226, EPI_ISL_735227, EPI_ISL_735229, EPI_ISL_735230, EPI_ISL_735231, EPI_ISL_735232, EPI_ISL_735233, EPI_ISL_735234, EPI_ISL_735235 see above	UZ Leuven, National Reference Laboratory for Coronaviruses, Laboratory Medicine, Leuven, Belgium	KU Leuven, Rega Institute, Clinical and Epidemiological Virology Robert Koch Institute Robert Koch Institute	Bert Vanmechelen; Joan Martí-Carreras; Piet Maes; Tony Wawina-Bokalanga
EPI_ISL_1846428 EPI_ISL_1142093, EPI_ISL_1147561, EPI_ISL_1151780, EPI_ISL_1157246, EPI_ISL_1157275 EPI_ISL_708063	Uniklinikum Carl Gustav Carus an der TU Dresden; Institut für Virologie Uniklinikum Carl Gustav Carus an der TU Dresden; Institut für Virologie  Unilabs Laboratory Medicine	Norwegian Institute of Public Health, Department of Virology Project group Epidemiology of Highly Pathogenic Microorganisms, Robert Koch-Institute	Hilde Elshaug; Hilde Vollan; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Marie Paulsen Madsen; Olav Hungnes; Rasmus Riis Kopperud Andreas Sachse; Ariane Düx; Djin-Ye Oh; Fabian Leendertz; Grit Schubert; Marianne Wedde; Ralf Dürwald; Sébastien Calvignac-Spencer; Thorsten Wolff
EPI_ISL_1939063, EPI_ISL_2465747 EPI_ISL_2123892, EPI_ISL_2123896, EPI_ISL_2123904, EPI_ISL_2123917,	Universidad de León  Universitätsklinikum Köln; Institut für Virologie	SeqCOVID-SPAIN consortium/IBV(CSIC)  Robert Koch Institute	Ana Carvajal; Antonio J. Molina and SeqCOVID-SPAIN consortium; Héctor Argüello; Juan M. Fregeneda; Tania Fernández-Villa; Vicente Martín

EPI_ISL_2123921, EPI_ISL_2123956			
EPI_ISL_741275, EPI_ISL_839306, EPI_ISL_839308, EPI_ISL_866194, EPI_ISL_866195, EPI_ISL_866256	University College London, Great Ormond Street Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust	COVID-19 Genomics UK (COG-UK) Consortium	Alison Holmes; Charlotte Williams; Helena Tutill; Jacqueline Findlay; James Price; Judith Breuer; Julianne Brown; Kathryn Harris; Leysa Forrest; Mark Kristiansen; Paola Niola; Paola Resende Silva; Patricia Dyal; Paul Randell; Rachel Williams; Samuel Weeks; Sergi Castellano; Sunando Roy; Tony Brooks; Yasmin Panchbhaya
EPI_ISL_830732, EPI_ISL_830733, EPI_ISL_830734, EPI_ISL_830735, EPI_ISL_930878, EPI_ISL_930912, EPI_ISL_930937, EPI_ISL_930964, EPI_ISL_930979, EPI_ISL_931108, EPI_ISL_931162, EPI_ISL_931180, EPI_ISL_931186, EPI_ISL_931205, EPI_ISL_931234, EPI_ISL_931301, EPI_ISL_931399, EPI_ISL_1388326, EPI_ISL_1388699, EPI_ISL_1388751, EPI_ISL_1388755, EPI_ISL_1388941, EPI_ISL_1389028	University Hospital Basel, Clinical Virology	University Hospital Basel, Clinical Bacteriology	Adrian Egli; Alfredo Mari; Hans Hirsch; Helena MB Seth-Smith; Julia Bielicki; Karoline Leuzinger; Madlen Stange; Manuel Battegay; Tim Roloff
EPI_ISL_2333492, EPI_ISL_2491561	University Hospital of Northern Norway, Department for Microbiology and Infectious Disease Control	Norwegian Institute of Public Health, Department of Virology	'Kathrine Stene-Johansen; Atiya R Ali; Debec Nadia; Engebretsen Serina Beate; Garcia Llorente Ignacio; Hilde Elshaug; Hilde Volland; Jon Bråte; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Line Victoria Moen; Marie Paulsen Madsen; Olav Hungnes; Pedersen Benedikte Nevjen; Rasmus Riis Kopperud
EPI_ISL_953647	University Hospitals of Geneva, Laboratory of Virology	HUG, Laboratory of Virology and the Health2030 Genome Center	Ana Rita Goncalves; Deborah Penet; Emmanouil Dermatzakis; Henri Pegeot; Ioannis Xenarios; Keith Harshman; Laurent Kaiser; Lorenzo Cerutti; Melyssa Elies; Samuel Cordey
EPI_ISL_960057	University Medical Center Hamburg Eppendorf	Heinrich Pette Institute, Leibniz Institute for Experimental Virology	Adam Grundhoff; Alexis Robitaille; Johannes Knobloch; Martin Aepfelbacher; Nicole Fischer; Thomas Günther
EPI_ISL_577230, EPI_ISL_585561, EPI_ISL_612389, EPI_ISL_612400, EPI_ISL_627327, EPI_ISL_627328, EPI_ISL_997321	University of Exeter	COVID-19 Genomics UK (COG-UK) Consortium	Aaron Jeffries; Audrey Farbos; Ben Temperton; Jane Masoli; Joanna Warwick-Dugdale; Michelle Michelsen; Robyn Manley; Stephen Michell
EPI_ISL_930627, EPI_ISL_930628, EPI_ISL_1121214, EPI_ISL_1165864, EPI_ISL_1165868, EPI_ISL_1165871, EPI_ISL_1165873, EPI_ISL_1165875	University of Liège COVID-19 testing center	GIGA Medical Genomics	Bouchra Boujemla; Cécile Meex; Emmanuel André; Fabrice Bureau; Keith Durkin; Laurent Gillet; Marc Van Ranst; Maria Artesi; Marie-Pierre Hayette; Nathalie Renotte; Sébastien Bontems; Vincent Bours; Wouter Coppieters
EPI_ISL_1336879	Università degli Studi di Perugia	Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise "G. Caporale"	Ancora M; Calistri P; Camilloni B; Cammà C; Caporale M; Curini V; Di Domenico M; Di Pasquale A; Lorusso A; Mangone I; Marcacci M; Mencacci A; Puglia I; Rinaldi A; Savini G; Scialabba S
EPI_ISL_1154869 EPI_ISL_1286470	Universitätsklinikum Frankfurt - Institut für Medizinische Virologie Universitätsklinikum Heidelberg	Robert Koch Institute Robert Koch Institute	
EPI_ISL_2315927, EPI_ISL_2315935, EPI_ISL_2315962, EPI_ISL_2315972, EPI_ISL_2315977, EPI_ISL_2315979, EPI_ISL_2316004	Universitätsklinikum Köln; Institut für Virologie	Robert Koch Institute	
EPI_ISL_1146858, EPI_ISL_1155977, EPI_ISL_1217906	Universitätsklinikum Leipzig - Institut für Medizinische Mikrobiologie und Virologie virologisches Labor	Robert Koch Institute	
EPI_ISL_1355695 EPI_ISL_2367269	Universitätsmedizin Mannheim VIDYMED EPALINGES	Robert Koch Institute Laboratory of genomics and metagenomics	Claire Bertelli; Damien Jacot; Gilbert Greub; Sébastien Aebys; Trestan Pilonel
EPI_ISL_549087, EPI_ISL_635106, EPI_ISL_2333078, EPI_ISL_2333493, EPI_ISL_2333497, EPI_ISL_2425846, EPI_ISL_2425848, EPI_ISL_2425849, EPI_ISL_2425850, EPI_ISL_2425851, EPI_ISL_2425852, EPI_ISL_2425853	Vestfold Hospital, Toensberg Department of Microbiology	Norwegian Institute of Public Health, Department of Virology	'Kathrine Stene-Johansen; Atiya R Ali; Debec Nadia; Engebretsen Serina Beate; Garcia Llorente Ignacio; Hilde Elshaug; Hilde Synnøve Volland; Hilde Volland; Jon Bråte; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Line Victoria Moen; Marie Paulsen Madsen; Olav Hungnes; Pedersen Benedikte Nevjen; Rasmus Riis Kopperud
EPI_ISL_1547518	Vestfold Hospital, Toensberg Department of Microbiology	Norwegian Institute of Public Health, Department of Virology	Atiya R Ali; Debec Nadia; Engebretsen Serina Beate; Garcia Llorente Ignacio; Hilde Elshaug; Hilde Volland; Jon Bråte; Kamilla Heddeland Instefjord; Karoline Bragstad; Kathrine Stene-Johansen; Marie Paulsen Madsen; Olav Hungnes; Pedersen Benedikte Nevjen; Rasmus Riis Kopperud
EPI_ISL_729153, EPI_ISL_899117, EPI_ISL_899436, EPI_ISL_899682, EPI_ISL_899698, EPI_ISL_899701, EPI_ISL_899735, EPI_ISL_899849, EPI_ISL_899972, EPI_ISL_1002535, EPI_ISL_1002600, EPI_ISL_1002686, EPI_ISL_1002706, EPI_ISL_1002714, EPI_ISL_1002752, EPI_ISL_1002764, EPI_ISL_1002950, EPI_ISL_1003007, EPI_ISL_1003651, EPI_ISL_1003725, EPI_ISL_1004367, EPI_ISL_1004405, EPI_ISL_1004579, EPI_ISL_1004600, EPI_ISL_1004777, EPI_ISL_1059474, EPI_ISL_1059791, EPI_ISL_1120085, EPI_ISL_1129534, EPI_ISL_1361242, EPI_ISL_1408477, EPI_ISL_1408527, EPI_ISL_1408808, EPI_ISL_1496279, EPI_ISL_1498579, EPI_ISL_1598861, EPI_ISL_1750802, EPI_ISL_1750863, EPI_ISL_2375353	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Andrea Patrignani; Andrea Cabral de Gouvea; Catharine Aquino; Chaoran Chen; Christian Beisel; Christiane Beckmann; Christoph Noppen; David Dreifuss; Deborah Penet; Doris Popovic; Elodie Burcklen; Emmanouil Dermatzakis; Griffin White; Henri Pegeot; Ina Nissen; Ioannis Xenarios; Ivan Topolsky; Jay Tracy; Katharina Jahn; Keith Harshman; Lara Fuhrmann; Laura Neff; Lennart Opitz; Lorenzo Cerutti; Maria Domenica Moccia; Maurice Redondo; Mirjam Feldkamp; Natascha Santacroce; Niko Beerenwinkel; Noemie Santamaria de Souza; Olivier Kobel; Pedro Ferreira; Philipp Jablonski; Ralph Schlapbach; Rebecca Denes; Sarah Nadeau; Simon Grüter; Sophie Seidel; Susana Posada-Céspedes; Tanja Stadler; Timothy Sykes; Tobias Schär
EPI_ISL_1388945	Viollier AG	University Hospital Basel, Clinical Bacteriology	Adrian Egli; Alfredo Mari; Christiane Beckmann; Hans Hirsch; Helena MB Seth-Smith; Julia Bielicki; Karoline Leuzinger; Madlen Stange; Manuel Battegay; Tim Roloff
EPI_ISL_651425, EPI_ISL_651428	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	Balcaza C; Colquhoun R; Dewar R; Gallagher M; Hill V; Jackson B; McCrone JT; McHugh M; O'Toole A; Rambaut A; Rooke S; Scher E; Templeton K; Williams TC; Yu X
EPI_ISL_2450756	Virology Laboratory, Department of Biomedical Sciences and Public Health, University Politecnica delle Marche	Virology and Legal Medicine Laboratories, Department of Biomedical Sciences and Public Health, University Politecnica delle Marche	Adriano Tagliabracci; Chiara Turchi; Federica Alessandrini; Filomena Melchionda; Patrizia Bagnarelli; Sara Caucci; Stefano Menzo; Valerio Onofri
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EPI_ISL_1239709	Vitalabo Bydgoszcz	1. National Institute of Public Health - National Institute of Hygiene; 2. Eurofins Genomics Europe Sequencing GmbH	ECDC COVID-19 WGS support team; Eurofins Genomics Europe Sequencing Team; Gierczyński Rafał; Sadkowska-Todys Małgorzata; Wołkowicz Tomasz; Zacharczuk Katarzyna
EPI_ISL_574145, EPI_ISL_574150, EPI_ISL_585801, EPI_ISL_612132, EPI_ISL_627789, EPI_ISL_639547, EPI_ISL_666230, EPI_ISL_666261, EPI_ISL_680942, EPI_ISL_705442, EPI_ISL_706462, EPI_ISL_706749, EPI_ISL_706783, EPI_ISL_726270, EPI_ISL_726822, EPI_ISL_726285, EPI_ISL_726293, EPI_ISL_726298, EPI_ISL_727025, EPI_ISL_727190, EPI_ISL_742469, EPI_ISL_742636, EPI_ISL_742715, EPI_ISL_742877, EPI_ISL_743142, EPI_ISL_743219, EPI_ISL_764640, EPI_ISL_814595, EPI_ISL_814754, EPI_ISL_814860, EPI_ISL_814896, EPI_ISL_814910, EPI_ISL_814918, EPI_ISL_815071, EPI_ISL_822820, EPI_ISL_822832, EPI_ISL_823331, EPI_ISL_823333, EPI_ISL_823408, EPI_ISL_823784	Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	COVID-19 Genomics UK (COG-UK) Consortium	Alec Birchley; Alexander Adams; Amy Gaskin; Angela Marchbank; Bree Gatica-Wilcox; Catherine Moore; Jason Coombes; Joanne Watkins; Joel Southgate; Johnathan Evans; Laura Gifford; Lauren Gilbert; Lee Graham; Maïorie Perry; Matthew Bull; Nicole Pacchiarini; Sally Corden; Sara Kumziene-Summerhayes; Sara Rey; Sarah Taylor; Simon Cottrell; Sophie Jones; Tom Connor
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EPI_ISL_627361, EPI_ISL_627362, EPI_ISL_627364, EPI_ISL_627367, EPI_ISL_651767	West of Scotland Specialist Virology Centre, NHSGGC / MRC-University of Glasgow Centre for Virus Research	COVID-19 Genomics UK (COG-UK) Consortium	Alasdair MacLean; Alice Broos; Ana da Silva Filipe; Antonia Ho; Daniel Mair; David L Robertson; Elihu Aranday-Cortes; Emma Thomson; Guy Mollett; Igor Starinski; James Shepherd; Jenna Nichols; Joseph Hughes; Kathy Li; Kathy Smollett; Kyriaki Nomikou; Lily Tong; Marc Niebel; Matthew Holden; Natasha Jesudason; Natasha Johnson; Patawee Asamaphan; Rachel Blacow; Rajiv Shah; Richard Orton; Rory Gunson; Sarah McDonald; Sharif Shaaban; Sreenu Vattipally; Stephen Carmichael
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EPI_ISL_1281384, EPI_ISL_1351394	amedes Göttingen	Robert Koch Institute	
EPI_ISL_1850570	amedes MVZ DIAMEDIS Sennestadt	Robert Koch Institute	
EPI_ISL_1146243	amedes MVZ Jena	Robert Koch Institute	

EPI_ISL_826933, EPI_ISL_827227, EPI_ISL_827401, EPI_ISL_827523, EPI_ISL_827796	deCODE genetics	deCODE genetics	Agnar Helgason; Alma Moller; Arna B Agustsdottir; Arnaldur Gylfason; Asgeir Sigurdsson; Aslaug Jonasdottir; Berglind Eiríksdóttir; Bjarni Thorbjornsson; Brynjar O Jensson; Daniel F Gudbjartsson; Droplaug N Magnusdottir; Elisabet E Gardarsdottir; Emil A Thorarensen; Gardar Sveinbjornsson; Gisli Masson; Gudmundur Georgsson; Gudmundur L Norddahl; Gudrun Sigmundsdottir; Hakon Jonsson; Hannes Eggertsson; Hilma Holm; Ingileif Jonsdottir; Jona Saemundsdottir; Kamilla S Josefsdottir; Kari Stefansson; Karl G Kristinsson; Kjartan R Gudmundsson; Kristin E Sveinsdottir; Louise le Roux; Maney Sveinsdottir; Olafia S Gretarsdottir; Olafur T Magnusson; Pall Melsted; Patrick Sulem; Run Fridriksdottir; Solvi Rognvaldsson; Thora R Gunnarsdottir; Thordur Kristjansson; Thorolfur Gudnason; Unnur Thorsteinsdottir
EPI_ISL_1007943, EPI_ISL_1007976, EPI_ISL_1007979, EPI_ISL_1007982, EPI_ISL_1008715, EPI_ISL_1008721, EPI_ISL_1008722, EPI_ISL_1008724, EPI_ISL_1008747 see above	genXone SA, Molecular Diagnostics Laboratory / NZOZ	genXone SA, Research & Development Laboratory	Aleksandra Gidlewicz; Anna Brylak-Błaszków; Grzegorz Nowicki; Jakub Grabowski; Karol Szeszko; Maciej Sykułski; Michał Kaszuba; Natalia Drwęska-Matelska; Łukasz Krych
EPI_ISL_1351559 EPI_ISL_2445641	nordlab - Partnerschaftspraxis fu?r Laboratoriumsmedizin unknown	Robert Koch Institute Instituto Nacional de Saude (INSA)	Borges et al