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Victorian Infectious Diseases Reference Laboratory

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EPI_ISL_481065, EPI_ISL_481066, EPI_ISL EPI_ISL_481089, EPI_ISL_481090, EPI_ISL	_481067, EPI_ISL_481068, EPI_ISL_481069, EPI_ISL_481070	), EPI_ISL_481071, EPI_ISL_481072, EPI_ISL_4 I, EPI_ISL_481095, EPI_ISL_481096, EPI_ISL_4	81049, EPI ISL_481050, EPI ISL_481051, EPI ISL_481052, EPI ISL_481053, EPI ISL_481054, EPI ISL_481055, EPI ISL_481056, EPI ISL_481056, EPI ISL_481057, EPI ISL_481069, EPI ISL_481060, EPI ISL_481061, EPI ISL_481061, EPI ISL_481062, EPI ISL_481064, EPI ISL_481074, EPI ISL_481074, EPI ISL_481074, EPI ISL_481074, EPI ISL_481075, EPI ISL_481075, EPI ISL_481075, EPI ISL_481074, EPI ISL
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see above	_481112, EPI_ISL_481113, EPI_ISL_481114, EPI_ISL_481115 Immunogenomics lab, Institute of Life Sciences,	Immunogenomics lab, Institute of Life	SLITIS, EM_SL_481112, EM_SL_481112, EM_SL_481112, EM_SL_481125, EM_SL_48
	Bhubaneswar	Sciences, Bhubaneswar	Hussain Syed, Shanti Senapati, Tushar K. Beuria, Rajeeb Swain, Punit Prasad, Orissa COVID-19 Study Group, DBT's PAN-INDIA 1000 SARS-CoVZ RNA genome sequencing consortium, Ajay Parida
EPI_ISL_481134, EPI_ISL_481135, EPI_ISL see above	_481136, EPI_ISL_481137, EPI_ISL_481138, EPI_ISL_481139 Immunogenomics lab, Institute of Life Sciences, Bhubaneswar	), EPI_ISL_481140, EPI_ISL_481141, EPI_ISL_4 Immunogenomics lab, Institute of Life Sciences, Bhubaneswar	81142, EP_ISL_481143, EP_ISL_481144, EP_ISL_481145, EP_ISL_481146, EP_ISL_481147, EP_ISL_481148, EP_ISL_481149, EP_ISL_481150, EP_ISL_481151, EP_ISL_481152, EP_ISL_481153, EP_ISL_481154, EP_ISL_481155, EP_ISL_481156, EP_ISL_481157  Sunil Raghav, Arup Ghosh, Ankita Datey, P. Sushree Shyamli, Bharati Singh, Neha Singh, Deepika Singh, Atimukta Jha, Viplow K. Biswas, Swati Madhulika, Manasi Priyadarshini, Aditi Chatterjee, Rahul Das, Soumyajit Ghosh, Rupesh Dash, Soma Chattopadhyay, Ghulam Hussain Syed, Shanti Senapati, Tushar K. Beuria, Rajeeb Swain, Punit Prasad, Amol Ratnakar Suryawanshi, Dileep Vasudeva, Orissa COVID-19 Study Group, DBT's PAN-INDIA 1000 SARS-CoV2 RNA genome sequencing consortium, Ajay Parida
EPI_ISL_481158, EPI_ISL_481159, EPI_ISL	_481160, EPI_ISL_481161, EPI_ISL_481162, EPI_ISL_481163	, EPI_ISL_481164, EPI_ISL_481165, EPI_ISL_4	81166, EPI_ISL_481167, EPI_ISL_481168, EPI_ISL_481169, EPI_ISL_481170, EPI_ISL_481171, EPI_ISL_481172, EPI_ISL_481173, EPI_ISL_481174, EPI_ISL_481175, EPI_ISL_481176, EPI_ISL_481177, EPI_ISL_481179, EPI_ISL_481180, EPI_ISL_481181
see above	Immunogenomics lab, Institute of Life Sciences, Bhubaneswar	Immunogenomics lab, Institute of Life Sciences, Bhubaneswar	Sunil Raghav, Arup Ghosh, P. Sushree Shyamli, Bharati Singh, Neha Singh, Ankita Datey, Deepika Singh, Atimukta Jha, Viplov K. Biswas, Swati Madhulika, Manasi Priyadarshini, Tsheten Sheroa, Auromira Khuntia, Rupesh Dash, Soma Chattopadhyay, Ghulam Hussain Syed, Shanti Senapati, Tushar K. Beuria, Rajeeb Swain, Punit Prasad, Amol Ratnakar Suryawanshi, Dileep Vasudevan, Orissa COVID-19 Study Group, DBT's PAN-INDIA 1000 SARS-COV2 RNA genome sequencing consortium, Ajay Parida
EPI ISL 481182, EPI ISI 481183, FPI ISI			russam syeu, snanu senipau, lusnar K. Beuria, najeeu swain, ruin rasasia, Amiu kaunakar suryawanisin, lunieep vasuueerian, urisas Cuvin-Lys suudy surini-Lys suudy surini-Lys suudy surini-Lys suudy surini-Lys s
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EPI_ISL_481206	Hospital of Southern Norway - Kristiansand,	Norwegian Institute of Public Health,	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Rasmus Riis Kopperud, Karoline Bragstad, Olav Hungnes
EPI_ISL_481207	Department of Medical Microbiology Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	Department of Virology Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Rasmus Riis Kopperud, Karoline Bragstad, Olav Hungnes
FPI ISI 481208	Furst Medical Laboratory	Norwegian Institute of Public Health	Kathrine Stene-Johansen Kamilla Heddeland Instelliord Hilde Fishaun Rasmus Riic Konnegud Karoline Branstad Olav Hungnes

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		Department of Virology		
EPI_ISL_481209, EPI_ISL_481210, EPI_ISL_481211, EPI_ISL_481212, EPI_ISL_481213	Ostfold Hospital Trust - Kalnes, Centre for Laboratory Medicine, Section for gene technology and infection serology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Rasmus Riis Kopperud, Karoline Bragstad, Olav Hungnes	
EPI_ISL_481214, EPI_ISL_481215	Oslo University Hospital, Department of Medical Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Rasmus Riis Kopperud, Karoline Bragstad, Olav Hungnes	
EPI_ISL_481216	Medical Microbiology Unit, Department for Laboratory Medicine, Drammen Hospital, Vestre Viken Health Trust.	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamiila Heddeland Instefjord, Hilde Elshaug, Rasmus Riis Kopperud, Karoline Bragstad, Olav Hungnes	
EPI_ISL_481217, EPI_ISL_481218, EPI_ISL_481219	Oslo University Hospital, Department of Medical Microbiology	Norwegian Institute of Public Health, Department of Virology	Kathrine Stene-Johansen, Kamilla Heddeland Instefjord, Hilde Elshaug, Rasmus Riis Kopperud, Karoline Bragstad, Olav Hungnes	
EPI_ISL_481220	Institut Pasteur Dakar	Institut Pasteur de Dakar	Ndongo Dia, Moussa Moise Diagne, Mamadou Diop, Marie Henriette Dior Ndione, Mamadou Malado Jallow, Safietou Sanke, Ousmane Faye, Amadou Alpha Sall.	
EPI_ISL_481221, EPI_ISL_481222, EPI_ISL_481223, EPI_ISL_481224, EPI_ISL_481225, EPI_ISL_481226	Lab voor klinische biologie	Onderzoeksgroep Virologie	Laurens Lambrechts, Nick Vereecke, Marthe Pauwels, Bruno Verhasselt, Linos Vandekerckhove, Hans Nauwynck, Sebastiaan Theuns	
EPI_ISL_481227, EPI_ISL_481228, EPI_ISL_481229, EPI_ISL_481230, EPI_ISL_481231, EPI_ISL_481232, EPI_ISL_481233	Lab voor klinische biologie	Onderzoeksgroep Virologie	Nick Vereecke, Laurens Lambrechts, Marthe Pauwels, Bruno Verhasselt, Linos Vandekerckhove, Hans Nauwynck, Sebastiaan Theuns	
EPI_ISL_481234, EPI_ISL_481235, EPI_ISL_481236, EPI_ISL_481237, EPI_ISL_481238, EPI_ISL_481239, EPI_ISL_481240	Institut Pasteur Dakar	Institut Pasteur de Dakar	Ndongo Dia, Moussa Moise Diagne, Mamadou Diop, Marie Henriette Dior Ndione, Mamadou Malado Jallow, Safietou Sanke, Ousmane Faye, Amadou Alpha Sall.	
EPI_ISL_481241	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, Kelly Pung, and Xiong Wang	
EPI_ISL_481242	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, Kelly Pung, and Xiong Wang	
EPI_ISL_481243	Institut Pasteur Dakar	Institut Pasteur de Dakar	Ndongo Dia, Moussa Moise Diagne, Mamadou Diop, Marie Henriette Dior Ndione, Mamadou Malado Jallow, Safietou Sanke, Ousmane Faye, Amadou Alpha Sall.	
EPI_ISL_481244, EPI_ISL_481245, EPI_ISL_481246, EPI_ISL_481247, EPI_ISL_481248	Hospital IESS Babahoyo	Institute of Microbiology, Universidad San Francisco de Quito	Belén Prado-Vivar, Sully Márquez, Juan José Guadalupe, Monica Becerra-Wong, Carla Torres, Bernardo Gutiérrez, Francisco Cordova, Ninfa Henriquez, Killen Briones-Zamora, Killen Briones-Claudette, Verónica Barragán, Patricio Rojas-Silva, Gabriel Trueba, Michelle Grunauer, Paúl Cárdenas	
EPI_ISL_481251, EPI_ISL_481252	Department of Emerging Infectious Diseases, Institute of Tropical Medicine, Nagasaki University	Department of Emerging Infectious Diseases, Institute of Tropical Medicine, Nagasaki University	Jiro Yasuda, Rokusuke Yoshikawa, Yuichiro Furusato, Haruka Abe	
EPI_ISL_481253	Robert Koch Institute, National Reference center for Influenza, Berlin, Germany	Robert Koch Institute, Bioinformatics MF1, Berlin, Germany	Marianne Wedde, Oliver Drechsel, Andrea Thuermer, Rene Kmiecinski, Ralf Duerrwald, Thorsten Wolff, Stephan Fuchs, Max v. Kleist	
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EPI_ISL_481256	Robert Koch Institute, National Reference center for Influenza, Berlin, Germany	Robert Koch Institute, Bioinformatics MF1, Berlin, Germany	Marianne Wedde, Oliver Drechsel, Andrea Thuermer, Rene Kmiecinski, Ralf Duernwald, Thorsten Wolff, Stephan Fuchs, Max v. Kleist	
EPI_ISL_481257, EPI_ISL_481258, EPI_ISL_481259, EPI_ISL_481260, EPI_ISL_481261	Department of Emerging Infectious Diseases, Institute of Tropical Medicine, Nagasaki University	Department of Emerging Infectious Diseases, Institute of Tropical Medicine, Nagasaki University	Jiro Yasuda, Rokusuke Yoshikawa, Yuichiro Furusato, Haruka Abe	
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EPI ISL 481265, EPI ISL 481266, EPI ISL	481267, EPI ISL 481268, EPI ISL 481269, EPI ISL 48127	0, EPI ISL 481271, EPI ISL 481272, EPI ISL 481	273, EPI ISL_481274, EPI ISL_481275, EPI ISL_481276, EPI ISL_481277, EPI ISL_481277, EPI ISL_481277, EPI ISL_481280, EPI ISL_481280, EPI ISL_481281, EPI ISL_481282	
see above	unknown	Core Sequencing, Maryland Department of Health	Keller,E.	
EPI_ISL_481283	unknown	Center for Genomics and System Biology	Roder, A., Banakis, S., Johnson, K., Khalfan, M., Borenstein, E.S., Samanovic, M., Cornelius, A., Herati, R., Ulrich, R., Fleming, A., Kottkamp, A., Raabe, V., Mulligan, M.J., Gresham, D. and Ghedin, E.	
EPI_ISL_481284	unknown	Department of Experimental Modeling and Pathogenesis of Infectious Diseases	Sobolev,I.A., Shanshin,D.V., Chepurnov,A.A., Kononova,J.V., Bondar,A.A., Alekseev,A.Y. and Shestopalov,A.M.	
EPI_ISL_481370	Division of Viral Diseases, Center for Laboratory Control of Infectious Diseases, Korea Centers for Diseases Control and Prevention	Division of Viral Diseases, Center for Laboratory Control of Infectious Diseases, Korea Centers for Diseases Control and Prevention	Jeong-Min Kim, Yoon-Seok Chung, Namjoo Lee, Sang Hee Woo, Hye-Jun Jo, Heui Man Kim, Jun-Sub Kim, Myung Guk Han	
EPI ISL_481371, EPI ISL_481372, EPI_ISL_481373, EPI_ISL_481374, EPI_ISL_481375, EPI_ISL_481376, EPI_ISL_481377, EPI_ISL_481378, EPI_ISL_481379	Division of Viral Diseases, Center for Laboratory Control of Infectious Diseases, Korea Centers for Diseases Control and Prevention	Division of Viral Diseases, Center for Laboratory Control of Infectious Diseases, Korea Centers for Diseases Control and Prevention	Jeong-Min Kim, Yoon-Seok Chung, Namjoo Lee, Sang Hee Woo, Hye-Jun Jo, Heui Man Kim, Jun-Sub Kim, Dong Hyun Song, Daesang Lee, Seong Tae Jeong, Myung Guk Han	
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EPI_ISL_481510, EPI_ISL_481511	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Veronica Ferrucci1,2, Dae young Kong8, Fatemeh asadzadeh1,2, Laura Marrone1,2, Roberto Siciliano1,2, Rino Cerino3, Giovanna Fusco3, Marika Comegna1,2, Angelo Boccia2, Maurizio Viscardi3, Giorgia Borriello3, Sergio Brandi3, Claudia Tiberio4, Luigi Atripaldi4, Giovanni Paolella1,2, Giuseppe Castaldo1,2, Stefano Pascarella4, Martina Bianchi4, Lorenzo Chiariott11,2, Jae Myun Lee5, Jae Ho Jung6, Kyong Seop Yun7, Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1 CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1 CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1 CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1 CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1 CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1 CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1* CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1* CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2** CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2** CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8* and Massimo Zollo1,2** CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8** and Massimo Zollo1,2** CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8** and Massimo Zollo1,2** CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8** and Massimo Zollo1,2** CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8** and Massimo Zollo1,2** CEINGE Biotecnologie Avanzate, Naples, Ratia4 - V. Hong Yeoul Kim 7,8** and Naples Ratia4 - V. Hong Yeoul Kim 7,8** and Naples Ratia4 - V. Hong Yeoul Kim 7,8** and Naples Ratia4 - V. Hong Yeoul Kim 7,8** and Naples Ratia4 - V. Hong Yeoul Kim 7,8** and Naples Ratia4 - V.	
EPI_ISL_481512	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Veronica Ferrucci1,2, Dae young Kong8, Fatemeh asadzadeh1,2, Laura Marrone1,2, Roberto Siciliano1,2, Rino Cerino3, Giovanna Fusco3, Marika Comegna1,2, Angelo Boccia2, Maurizio Viscardi3, Giorgia Borriello3, Sergio Brandi3, Claudia Tiberio4, Luigi Atripaldi4, Giovanni Paolella1,2, Giuseppe Castaldo1,2, Stefano Pascarella4, Martina Bianchi4, Lorenzo Chiariotti1,2, Jae Myun Lee5, Jae Ho Jung6, Kyong Seop Yun7, Hong Yeoul Kim 7,8* and Massimo Zollo1,2* 1 CEINGE Biotecnologia Avanzate, Naples, Italia 2 Distriction Molecolare e Biotecnologia Clinica Ospedale D. Cotugoia Clinica Ospedale D. Cotug	
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Amy Hurd, Sophie Lloyd, Anthony Mogridge, Jack Howe, Helen Brown, Gary Booth, Mel Brown, Cheryl Bailiss, Michelle Harrison and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski,

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EPI_ISL_481716	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Veronica Ferrucci1,2, Dae young Kong8, Fatemeh asadzadeh1,2, Laura Marrone1,2, Roberto Siciliano1,2, Rino Cerino3, Giovanna Fusco3, Marika Comegna1,2, Angelo Boccia2, Maurizio Viscardi3, Giorgia Borriello3, Sergio Brandi3, Claudia Tiberio4, Luigi Atripaldi4, Giovanni Paolella1,2, Giuseppe Castaldo1,2, Stefano Pascarella4, Martina Bianchi4, Lorenzo Chiariotti1,2, Jea Myun Lee5, Jae Ho Jung6, Kyong Seop Yun7, Hong Yeoul Kim 7,8* and Massimo Zollo1,2*1 CEINGE Biotecnologie Avanzate, Naples, Italia 4- U.O.c. di Patolicia Molecolare e Biotecnologie, Mediche DMMBM University of Naples Federico II, Italia 3 Istituto Copprofilattico Sperimentale del Mezzogiorno, Naples, Italia 4- U.O.c. di Patologia Clinica Ospedale D. Cotugno, Azienda Sanitaria Ospedali dei Colli, Naples, Italy. 5 Università La Sapienza di Roma, Italia 6 Department of Microbiology, Yonsel University College of Medicine, Seoul, Korea 7 Department of Surgery, Yonsei University College of Medicine, Seoul, Korea 7 Department of Surgery, Yonsei University College of Medicine, Seoul, Korea 8 Haim bio co., Ltd., Indust
EPI_ISL_481717, EPI_ISL_481718, EPI_ISL_	481719, EPI_ISL_481720, EPI_ISL_481721, EPI_ISL_48172	2, EPI_ISL_481723, EPI_ISL_481724, EPI_ISL_481	725, EPI_ISL_481726, EPI_ISL_481727, EPI_ISL_481728, EPI_ISL_481729, EPI_ISL_481730, EPI_ISL_481731, EPI_ISL_481732, EPI_ISL_481733, EPI_ISL_481734, EPI_ISL_481735, EPI_ISL_481736, EPI_ISL_481737, EPI_ISL_481738, EPI_ISL_481739, EPI_ISL_4
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EPI_ISL_481741	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Veronica Ferrucci1, 2, Dae young Kong8, Fatemeh asadzadeh1, 2, Laura Marrone1, 2, Roberto Siciliano1, 2, Rino Cerino3, Giovanna Fusco3, Marika Comegna1, 2, Angelo Boccia2, Maurizio Viscardi3, Giorgia Borriello3, Sergio Brandi3, Claudia Tiberio4, Luigi Atripaldi4, Giovanni Faolella1, 2, Giuseppe Castaldo1, 2, Stefano Pascarella4, Martina Bianchi4, Lorenzo Chiantuti1, 2, Jee Myun Lee5, Jae Ho Jung6, Kyong Seop Yun7, Hong Yeoul Kim 7,8° and Massimo Zollo1,2° Lei CelliNGE Biotecnologia Cavanzate, Naples, Italia 2 Dipartimento di Medicina Molecolare e Biotecnologia Edinica Ospedale Notare and Carlo Carlo Patologia Clinica Ospedale D. Cotugno, Azienda Sanitaria Ospedali dei Colli, Naples, Italia 4-U.O.C. di Patologia Clinica Ospedale D. Cotugno, Azienda Sanitaria Ospedali dei Colli, Naples, Italy. 5 Università La Sapienza di Roma, Italia 6 Department of Microbiology, Yonsei University College of Medicine, Seoul, Korea 7 Department of Surgery, Yonsei University College of Medicine, Seoul, Korea 7 Department of Surgery, Yonsei University College of Medicine, Seoul, Korea 8 Haim bio Co., Ltd., Indust
EPI_ISL_481742, EPI_ISL_481743, EPI_ISL_ see above	481744, EPI_ISL_481745, EPI_ISL_481746, EPI_ISL_48174 Dr. Georges-LDumont University Hospital Centre	7, EPI_ISL_481748, EPI_ISL_481749, EPI_ISL_481 National Microbiology Laboratory	750, EPI_ISL_481751, EPI_ISL_481752, EPI_ISL_481753, EPI_ISL_481754, EPI_ISL_481755, EPI_ISL_481757, EPI_ISL_481758  Anna Majer, Shari Tyson, Grace Seo, Kristyn Burak, Philip Mabon, Elsie Grudeski, Rhiannon Huzarewich, Russell Mandes, Jennifer Tanner, Natalie Knox, Morag Graham, Gary Van Domselaar, Richard Garceau, Guillaume Desnoyers, Nathalie Bastien, Yan Li, Tinnothy Both
EPI_ISL_481759	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Veronica Ferrucci1,2, Dae young Kong8, Fatemeh asadzadeh1,2, Laura Marrone1,2, Roberto Siciliano1,2, Rino Cerino3, Giovannia Fusco3, Marika Comegna1,2, Angelo Boccia2, Maurizio Viscardi3, Giorgia Borriello3, Sergio Brandi3, Claudia Tiberio4, Luigi Atripaldi4, Giovanni Paolella1,2, Giuseppe Castaldo1,2, Stefano Pascarella4, Martina Bianchi4, Lorenzo Chiariotti1,2, Jee Myun Lee5, Jae Ho Jung6, Kyong Seop Yun7, Hong Yeoul Kim 7,8* and Massimo Zollo1,2*:1 CEINGE Biotecnologie Avanzate, Naples, Italia a Visual Copperimentative del Medicina Molecolare e Biotecnologie, Medicine Molecolare e Biotecnologie, Medicine Molecolare e Biotecnologie, Medicine Molecolare e Biotecnologie, Department of Medicine, Naples, Italia 4-U.O.C. di Patologie, Valore e Biotecnologie, Ospedale D. Cotugno, Azienda Sanitaria Ospedali dei Colli, Naples, Italy. 5 Università La Sapienza di Roma, Italia 6 Department of Microbiology, Yonsei University College of Medicine, Seoul, Korea 7 Department of Surgery, Yonsei University College of Medicine, Seoul, Korea 8 Haim bio co., Ltd., Indust
EPI_ISL_481760, EPI_ISL_481761, EPI_ISL_481762	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Prof. Massimo Zollo CEINGE TASK-FORCE COVID19 - Regione Campania	Veronica Ferruccil. 2, Dae young Kong8, Fatemeh asadzadehl. 2, Laura Marronel. 2, Roberto Sicilianol. 2, Rino Cerino3, Giovanna Fusco3, Marika Comegnal. 2, Angelo Boccia2, Maurizio Viscardi3, Giorgia Borriello3, Sergio Brandi3, Claudia Tiberio4, Luigi Atripadi4, Giovanni Paolellal. 2, Giuseppe Castaldol. 2, Stefano Pascarella4, Martina Bianchi4, Lorenzo Chiantutil. 2, Jae Myun Lee5, Jae Ho Jung6, Kyong Seop Yun7, Hong Yeoul Kim 7,8° and Massimo Zollol. 2º CIBINGE Biotecnologia Carrona Carr
EPI SS. 481787, EPI SS. 481788, EPI SS. EPI SS. 481815, EPI SS. 481812, EPI SS. EPI SS. 481835, EPI SS. 481836, EPI SS. EPI SS. 481895, EPI SS. 481806, EPI SS. EPI SS. 481807, EPI SS. 481804, EPI SS. EPI SS. 481907, EPI SS. 481908, EPI SS. EPI SS. 481955, EPI SS. 481956, EPI SS. EPI SS. 481955, EPI SS. 481956, EPI SS. EPI SS. 481957, EPI SS. 481980, EPI SS.	481789, EPI ISL 481790, EPI ISL 481791, EPI ISL 48178 481813, EPI ISL 481814, EPI ISL 481815, EPI ISL 481814, 481837, EPI ISL 481838, EPI ISL 4818139, EPI ISL 48184 481861, EPI ISL 481862, EPI ISL 481863, EPI ISL 481864, 481885, EPI ISL 481866, EPI ISL 481867, EPI ISL 48184 481999, EPI ISL 481910, EPI ISL 481915, EPI ISL 481914, 481993, EPI ISL 481910, EPI ISL 481915, EPI ISL 481914, 481957, EPI ISL 481915, EPI ISL 481915, EPI ISL 48194 481981, EPI ISL 481958, EPI ISL 481958, EPI ISL 48195 481981, EPI ISL 481985, EPI ISL 481958, EPI ISL 48195	2, EPI ISL, 481793, EPI ISL, 481794, EPI ISL, 481 6, EPI ISL, 481817, EPI ISL, 481818, EPI ISL, 481 6, EPI ISL, 481841, EPI ISL, 481842, EPI ISL, 481 8, EPI ISL, 481889, EPI ISL, 481866, EPI ISL, 481 8, EPI ISL, 481889, EPI ISL, 481910, EPI ISL, 481 2, EPI ISL, 481913, EPI ISL, 481914, EPI ISL, 481 6, EPI ISL, 481937, EPI ISL, 481938, EPI ISL, 481 6, EPI ISL, 481961, EPI ISL, 481966, EPI ISL, 481	771, EPI_ISL_481772, EPI_ISL_481773, EPI_ISL_481774, EPI_ISL_481775, EPI_ISL_481775, EPI_ISL_481776, EPI_ISL_4
see above	PHE South West Regional Laboratory, National Infection Service	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Stephanie Hutchings, Hannah Pymont, Dr Peter Muir, Barry Vipond, Rich Hopes; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482032, EPI_ISL_482033, EPI_ISL_ EPI_ISL_482056	482034, EPI_ISL_482035, EPI_ISL_482036, EPI_ISL_48203	7, EPI_ISL_482038, EPI_ISL_482039, EPI_ISL_482	040, EPI_ISL_482041, EPI_ISL_482042, EPI_ISL_482043, EPI_ISL_482044, EPI_ISL_482044, EPI_ISL_482045, EPI_ISL_482046, EPI_ISL_482047, EPI_ISL_482048, EPI_ISL_482049, EPI_ISL_482050, EPI_ISL_482051, EPI_ISL_482052, EPI_ISL_482053, EPI_ISL_482054, EPI_ISL_482054, EPI_ISL_482048, EPI_ISL_482048, EPI_ISL_482049, EPI_ISL_482050, EPI_ISL_482051, EPI_ISL_482053, EPI_ISL_482054, EPI_ISL_4
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EPI_ISL_482057, EPI_ISL_482058, EPI_ISL_	482059, EPI_ISL_482060, EPI_ISL_482061, EPI_ISL_48206		065, EPI_ISL_482066, EPI_ISL_482067, EPI_ISL_482068
see above	The Department of Microbiology, Torbay and South Devon NHS Foundation Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Amy Hurd, Sophie Lloyd, Anthony Mogridge, Jack Howe, Helen Brown, Gary Booth, Mel Brown, Cheryl Bailiss, Michelle Harrison and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482069	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482070	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482071, EPI_ISL_482072, EPI_ISL_482073, EPI_ISL_482074	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482075	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482076	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482077	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482078, EPI_ISL_482079, EPI_ISL_482080, EPI_ISL_482081	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482082	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, lan Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482083, EPI_ISL_482084, EPI_ISL_482085, EPI_ISL_482086, EPI_ISL_482087, EPI_ISL_482088, EPI_ISL_482089, EPI_ISL_482090	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482091	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482092, EPI_ISL_482093, EPI_ISL_482094, EPI_ISL_482095	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482096, EPI_ISL_482097	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482098, EPI_ISL_482099, EPI_ISL_482100	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482101, EPI_ISL_482102	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482103, EPI_ISL_482104	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482105	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley, and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI ISL 482106, EPI ISL 482107, EPI ISL 482108, EPI ISL 482109, EPI ISL 482110, EPI ISL 482111, EPI ISL 482112, EPI ISL 482113, EPI ISL 482114	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482115	Regional Virus Laboratory, Belfast Health and Social Care Trust	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI_ISL_482116, EPI_ISL_482117, EPI_ISL_482118, EPI_ISL_482119	Microbiology Department, Hereford County Hospital	Wellcome Sanger Institute for the COVID-19 Genomics UK Consortium	Alison Johnson, Venkat Sivaprakasam, Fenella Halstead, Jane Thomas, Wendy Hogsden, Samantha Lamb and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team)
EPI ISI 482120. EPI ISI 482121.	The Department of Microbiology, Torbay and South	Wellcome Sanger Institute for the COVID-19	Amy Hurd, Sophie Lloyd, Anthony Mogridge, Jack Howe, Helen Brown, Gary Booth, Mel Brown, Cheryl Bailiss, Michelle Harrison and Alex Alderton, Roberto Amato, Sopia Goncalves, Ewan Harrison, David K, Jackson, Jan Johnston, Dominic Kwiatkowski.

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EPI\_ISL\_482120, EPI\_ISL\_482121,

EPI ISL 482122. EPI ISL 482123 Devon NHS Foundation Trust Genomics UK Consortium Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team) EPI ISL 482124 North West London Pathology, Imperial College Wellcome Sanger Institute for the COVID-19 Ling Li, Paul Randell, David Muir, Frankie Bolt, Alison Holmes, James Price, Aileen Rowan, Graham Taylor, Anina Badhan, Carolina Herrera and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K, Jackson, Jan Johnston, Dominic Genomics UK Consortium Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-tean Healthcare NHS Trust The Department of Microbiology, Torbay and South Amy Hurd, Sophie Lloyd, Anthony Mogridge, Jack Howe, Helen Brown, Gary Booth, Mel Brown, Cheryl Bailiss, Michelle Harrison and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, EPI ISI 482125 EPI ISI 482126 Wellcome Sanger Institute for the COVID-19 Devon NHS Foundation Trus EPI\_ISL\_482127, EPI\_ISL\_482128, Genomics UK Consortiun Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team FPI ISI 482129 FPI ISI 482130 FPI ISI 482131 North West London Pathology, Imperial College Wellcome Sanger Institute for the COVID-19 Ling Li, Paul Randell, David Muir, Frankie Rolf, Alison Holmes, James Price, Aileen Rowan, Graham Taylor, Anina Badhan, Carolina Herrera and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Jan Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team) EPI\_ISL\_482132, EPI\_ISL\_482133, EPI\_ISL\_482134, EPI\_ISL\_482134, EPI\_ISL\_482134, EPI\_ISL\_482134, EPI\_ISL\_482143, EPI\_ISL\_482148, EPI\_ISL\_482144, EPI\_ISL\_482144, EPI\_ISL\_482144, EPI\_ISL\_482148, EPI\_ISL\_482144, EPI\_ISL\_482144, EPI\_ISL\_482154, EPI\_ISL\_482154, EPI\_ISL\_482154, EPI\_ISL\_482144, EPI\_ISL\_482144, EPI\_ISL\_482148, EPI\_ISL\_482154, EPI\_ISL\_482154, EPI\_ISL\_482144, EPI\_ISL\_482154, EPI\_ISL\_482154, EPI\_ISL\_482144, EPI\_ISL\_482144 FPI ISI 482157, FPI ISI 482158, FPI ISI 482159 Regional Virus Laboratory, Belfast Health and Social Wellcome Sanger Institute for the COVID-19 Conall McCaughey, James McKenna, Tanya Curran, Susan Feeney, Alison Watt, Ciara Cox, Mairead Connor, Zoltan Molnar, David Simpson, Derek Fairley; and Alex Alderton, Roberto Amato, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, see above Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team Genomics UK Consortium FPI ISI 482160. FPI ISI 482161. FPI ISI 482161. FPI ISI 482162. FPI ISI 482163. FPI ISI 482163. FPI ISI 482177. FPI ISI 482182. FPI ISI 482182. FPI ISI 482182. FPI ISI 482182. FPI ISI 482173. FPI ISI 482182. FPI ISI 482182. FPI ISI 482182. FPI ISI 482173. FPI ISI 482173. FPI ISI 482174. FPI ISI 482174. FPI ISI 482174. FPI ISI 482182. FPI ISI 482182. FPI ISI 482182. FPI ISI 482173. FPI ISI 482174. FPI ISI 482182. FPI ISI 482182. FPI ISI 482182. FPI ISI 482173. FPI ISI 482174. FPI ISI 482174. FPI ISI 482182. FPI ISI 482182. FPI ISI 482182. FPI ISI 482174. FPI ISI 482174. FPI ISI 482174. FPI ISI 482174. FPI ISI 482182. FPI ISI 482182. FPI ISI 482182. FPI ISI 482174. FPI ISI 482174. FPI ISI 482182. FPI ISI 482182 EPI ISL 482198, EPI ISL 482198, EPI ISL 482193, EPI ISL 482193 EPISL\_482208, EPISL\_482209, EPISL\_482210, EPISL\_482211, EPISL\_482212, EPISL\_482213, EPISL\_482214, EPISL\_482215, EPISL\_482216, EPISL\_482217, EPISL\_482218 University College London, Great Ormond Street Wellcome Sanger Institute for the COVID-19 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, Sam Weeks, Julianne Brown, Kathryn Harris, Paul Randell, James Price, Alison Holmes, Judith Breuer 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 see ahove Hospital for Children NHS Foundation Trust, Imperial College Healthcare NHS Trust Institute COVID-19 Surveillance Team (http://www.sanger.ac.uk/covid-team) EPI ISL 482292, EPI ISL 482293, EPI ISL 482293, EPI ISL 482294, EPI ISL 482294, EPI ISL 482305, EPI ISL 482305, EPI ISL 482307, EPI ISL 482317, EPI ISL 482317, EPI ISL 482317, EPI ISL 482307, EPI ISL 482307, EPI ISL 482307, EPI ISL 482317, EPI ISL 482307, EPI ISL 482307 EPI ISL 482316, EPI ISL 482317, EPI ISL 482337, EPI ISL 482337, EPI ISL 482337, EPI ISL 482333, EPI ISL 482334, EPI ISL 482333, EPI ISL 482334, EPI ISL 482337, EPI ISL 482334, EPI ISL 482344, EPI ISL 482344 EPI ISL 482340, EPI ISL 482340, EPI ISL 482341, EPI ISL 482342, EPI ISL 482345, EPI ISL 482345, EPI ISL 482345, EPI ISL 482345, EPI ISL 482355, EPI ISL 482355, EPI ISL 482366, EPI ISL 482366, EPI ISL 482367, EPI ISL 482366, EPI ISL 482367, EPI ISL 482367, EPI ISL 482376, EPI ISL 482376, EPI ISL 482376, EPI ISL 482377, EPI ISL 482387, EPI ISL 482387 EPI ISL 482388, EPI ISL 482389, EPI ISL 482399, EPI ISL 482399, EPI ISL 482399, EPI ISL 482397, EPI ISL 482393, EPI ISL 482394, EPI ISL 482393, EPI ISL 482404, EPI ISL 482393, EPI ISL 482394, EPI ISL 482393, EPI ISL 482394, EPI ISL 482394, EPI ISL 482404, EPI ISL 482394, EPI ISL 482394 FP IS 482412 FP IS 482413 FP IS 482413 FP IS 482413 FP IS 482414 FP IS 482414 FP IS 482415 FP IS 482417 FP IS EPI ISL 482436, EPI ISL 482436, EPI ISL 482437, EPI ISL 482437, EPI ISL 482438, EPI ISL 482449, EPI ISL 482445, EPI ISL 482457, EPI ISL 482445, EPI ISL 482457, EPI ISL 482457 EPI ISL 482460, EPI ISL 482461, EPI ISL 482462, EPI ISL 482463, EPI ISL 482464, EPI ISL 482465, EPI ISL 482466, EPI ISL 482467 Providence St. Joseph Health Molecular Genomics Providence St. Joseph Health Molecular Alexa K Dowdell, Brian D Piening, Fred J Robinson, Carlo B Bifulco, Mary Campbell see above Laboratory Genomics Laboratory FPI ISI 482468 Laboratorio de Referencia Nacional de Virus Laboratorio de Referencia Nacional de Carlos Padilla Roias, Priscila Lope Pari, Karolyn Vega Chozo, Johanna Balbuena Torres, Omar Caceres Rev. 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Salim Khar EPI ISL, 482491, EPI ISL, 482249, EPI ISL, 482492, EPI ISL, 48249, EPI ISL, 48249, EPI ISL, 48250, EPI ISL, 48 EPI ISL 482553, EPI ISL 4825540, EPI ISL 4825540, EPI ISL 4825540, EPI ISL 4825545, EPI ISL 4825554, EPI ISL 4825555, EPI ISL 4825556, EPI ISL 4825560, EPI ISL 482560, EPI EPŢISL\_482563, EPŢISL\_482564, EPŢISL\_482565, EPŢISL\_482566, EPŢISL\_482567, EPŢISL\_482568, EPŢISL\_482569, EPŢISL\_482570, EPŢISL\_482571, EPŢISL\_482572, EPŢISL\_482573, EPŢISL\_482574 National Centre for Disease control (NCDC) NCDC/CSIR-IGIB Pramod Kumar#, Rajesh Pandey#, Pooja Sharma, Mahesh S Dhar, Vivekanand A, Bharathram Uppili, Robin Marwal, Radhakrishanan VS, Saruchi Wadhwa, Nishu Tyagi, Uma Sharma, Priyanka Singh, Hemlata Lall, Meena Datta, Varun laiswal, Hema Gogia see above Preeti Madan, Prateek Singh, Debasis Dash, Mitali Mukerji, Sandhya Kabra, Sujeet Singh, Mohammed Faruq, Anurag Agrawal\*, Partha Rakshit\* EPI\_ISL\_482575, EPI\_ISL\_482576, EPI\_ISL\_482577, EPI\_ISL\_482578, EPI\_ISL\_482579, EPI\_ISL\_482580, EPI\_ISL\_482581, EPI\_ISL\_482582, EPI\_ISL\_482583, EPI\_ISL\_482584, EPI\_ISL\_482585, EPI\_ISL\_482586 Hangzhou Center for Diseases Control and Prevention Hangzhou Center for Diseases Control and lun Li, Haogiu Wang, Lingfeng Mao, Hua Yu, Xinfen Yu, Zhou Sun, Xin Oian, Shuchang Chen, lunfang Chen, Xuchu Wang Prevention EPI\_ISL\_482587, EPI\_ISL\_482588, EPI\_ISL\_482588, EPI\_ISL\_482604, EPI\_ISL\_482605, EPI\_ISL\_482599, EPI\_ISL\_482606, EPI\_ISL\_482606, EPI\_ISL\_482597, EPI\_ISL\_482597, EPI\_ISL\_482597, EPI\_ISL\_482597, EPI\_ISL\_482597, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482597, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482597, EPI\_ISL\_482597, EPI\_ISL\_482597, EPI\_ISL\_482597, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482597, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482597, EPI\_ISL\_482599, EPI\_ISL\_482597, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482599, EPI\_ISL\_482599, EPI\_ISL\_482599, EPI\_ISL\_482599, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482599, EPI\_ISL\_482599, EPI\_ISL\_482599, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482599, EPI\_ISL\_482599, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482609, EPI\_ISL\_482599, EPI\_ISL\_482599, EPI\_ISL\_482609, EPI\_ISL\_482609 EPI ISL 482611, EPI ISL 482612, EPI ISL 482612, EPI ISL 482613, EPI ISL 482614, EPI ISL 482614, EPI ISL 482614, EPI ISL 482615, EPI ISL 482623, EPI ISL 482634, EPI ISL 482637, EPI ISL 482637, EPI ISL 482644, EPI ISL 482644, EPI ISL 482644, EPI ISL 482644, EPI ISL 482637, EPI ISL 482637, EPI ISL 482637, EPI ISL 482644, EPI ISL 482644 NCDC/CSIR-IGIR see above National Centre for Disease control (NCDC) Pramod Kumar#, Rajesh Pandey#, Pooja Sharma, Mahesh S Dhar, Vivekanand A, Bharathram Uppili, Robin Marwal, Radhakrishanan VS, Saruchi Wadhwa, Nishu Tyaqi, Uma Sharma, Priyanka Singh, Hemlata Lall, Meena Datta, Varun Jaiswal, Hema Gogia Preeti Madan, Prateek Singh, Debasis Dash, Mitali Mukerji, Sandhya Kabra, Sujeet Singh, Mohammed Farug, Anurag Agrawal\*, Partha Rakshit EPI\_ISL\_482672, EPI\_ISL\_482673, EPI\_ISL\_482673, EPI\_ISL\_482674, EPI\_ISL\_482674, EPI\_ISL\_482675, EPI\_ISL\_482695, EPI\_ISL\_482697, EPI\_ISL\_482697 Singapore General Hospital Department of Microbiology Nurdyana Abdul Rahman, Kun Lee Lim, Chenhao Li, Kian Sing Chan, Lynette Oon, Kern Rei Chng, Niranian Nagaraian, Karrie Ko see ahove ld. 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Sequencing Platform

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Utah Public Health Laboratory Utah Public Health Laboratory Heidi Butz, Erin Young, Kelly Oakeson EPI\_ISL\_483035, EPI\_ISL\_483036, EPI\_ISL\_483037, EPI\_ISL\_483038 Medical Ain Shams Research Institute (MASRI), Ain Medical Ain Shams Research Institute (MASRI) Hesham Elghazaly, Sara Hassan Agwa, Ahmad Moustafa, Hala Hafez, Sara Elnakeep, Shaimaa Moustafa, Aya Mohamed, Reham Mamdouh, Ghada Ismael, Ashraf Omar, Osama Mansour, Mahmoud Elmeitini Shams University

Ain Shams University EPI ISL 483059 Hospital Universitari Germans Trias i Pujo IrsiCaixa AIDS Research Lab J. Segalés, M. Puig, J. Rodon, C. Avila-Nieto, J. Carrillo, G. Cantero, M.T. Terrón, S. Cruz, M. Parera ,M. Noguera-Julián, N. Izquierdo-Useros, V. Guallar, E. Vidal, A. Valencia, I. Blanco, J. Blanco, B. Clotet, J. Vergara-Aleri

EPI\_ISL\_483060 unknown Microbiology, Canterbury Health Laboratories Dilcher M., Anderson T

EPI\_ISL\_483061, EPI\_ISL\_483062 unknown National Reference Center for transfusion Cappy, P., Candotti, D., Sauvage, V., Lucas, Q., Boizeau, L., Gomez, J., Laperche, S. infectious risks, INTS

EPI\_ISL\_483063, EPI\_ISL\_483064 unknown Virology, Ecole Nationale Veterinaire de Bessiere, P., Cadierques, M.-C., Croville, G., Walch, M., Dubois, M., Izopet, J., Guerin, J.-L

FPI ISI 483065 unknown Centro de Desenvolvimento Tecnologico em Souza T.M., Fintelman-Rodrigues N., De Paula A.D., Tschoeke D., Barroso S.P., Gregorio M.L., Oliveira I.S., Saraiva F.B., Ferreira M.A., Sacramento C.O.

EPI ISL 483066, EPI ISL 483067, EPI ISL 483067, EPI ISL 483068, EPI ISL 483068, EPI ISL 483068, EPI ISL 483070, EPI ISL 483070, EPI ISL 483073, EPI ISL 483074, EPI ISL 483084, EPI ISL 483086, EPI ISL 483086, EPI ISL 483074, EPI ISL 483074, EPI ISL 483075, EPI ISL 483084, EPI ISL 483084, EPI ISL 483086, EPI ISL 483096, EPI ISL 483096, EPI ISL 483086, EPI ISL 483096, EPI ISL 483096

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Lex Leong, Chuan Kok Lim, Mark Turra, Ivan Bastian, Geoff Higgins

EPI ISL 483139, EPI ISL 483140, EPI ISL 483141, EPI ISL 483141, EPI ISL 483142, EPI ISL 483143, EPI ISL 483144, EPI ISL 483145, EPI ISL 483156, EPI ISL 483156, EPI ISL 483157, EPI ISL 483157

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EPI\_ISL\_483158, EPI\_ISL\_483159, San Diego County Public Health Laboratory Andersen lab at Scripps Research SEARCH Alliance San Diego with Tracy Basler, Joyan Shephard, Brett Austin

EPI\_ISL\_483160, EPI\_ISL\_483161, EPI ISL 483162, EPI ISL 483163.

Clinical Microbiology Laboratory- Basurto University

FPI ISI 482878

see ahove

EPI ISL 483566

EPI ISL 483165, EPI ISL 483166, EPI ISL 483167, EPI ISL 483167, EPI ISL 483167, EPI ISL 483167, EPI ISL 483173, EPI ISL 483183, EPI ISL 483183, EPI ISL 483184, EPI ISL 483184, EPI ISL 483194, EPI ISL 483195, EPI ISL 483195 EPI ISL 483213, EPI ISL 483214, EPI ISL 483214, EPI ISL 483214, EPI ISL 4832215, EPI ISL 4832215, EPI ISL 483222, EPI ISL 483223, EPI ISL 483223, EPI ISL 483222, EPI ISL 483222, EPI ISL 483223, EPI ISL 483223, EPI ISL 483223, EPI ISL 483233, EPI ISL 483234, EPI ISL 483224, EPI ISL 483224, EPI ISL 483224, EPI ISL 483234, EPI ISL 483234, EPI ISL 483224, EPI ISL 483224, EPI ISL 483225, EPI ISL 483227, EPI ISL 483227, EPI ISL 483234, EPI ISL 483234, EPI ISL 483227, EPI ISL 483227, EPI ISL 483228, EPI ISL 483234, EPI ISL 483234, EPI ISL 483234, EPI ISL 483227, EPI ISL 483228, EPI ISL 483234, EPI ISL 483234, EPI ISL 483234, EPI ISL 483227, EPI ISL 483227, EPI ISL 483228, EPI ISL 483228, EPI ISL 483234, EPI ISL 483234, EPI ISL 483234, EPI ISL 483234, EPI ISL 483224, EPI ISL 483224, EPI ISL 483234, EPI ISL 4832 EPI ISL 483237, EPI ISL 483237, EPI ISL 483238, EPI ISL 483238, EPI ISL 483249, EPI ISL 483244, EPI ISL 483254, EPI ISL 483257, EPI ISL 483257, EPI ISL 483257, EPI ISL 483269, EPI ISL 483277, EPI ISL 483279, EPI ISL 483289, EPI ISL 483279, EPI ISL 483279 |SL 483285, EP| ISL 483286, EP| ISL 483287, EP| ISL 483287, EP| ISL 483287, EP| ISL 483287, EP| ISL 483299, EP| ISL 483297, EP| ISL 483300, EP| ISL 483297, EP| ISL 483300, EP| ISL 483300, EP| ISL 483300, EP| ISL 483301, EP| ISL 483291, EP| ISL 483291, EP| ISL 483291, EP| ISL 483301, EP FPI SI 483310 FPI SI 483310 FPI SI 483317 FP EPI ISL 483333, EPI ISL 483334, EPI ISL 483334, EPI ISL 483334, EPI ISL 483334, EPI ISL 483335, EPI ISL 483345, EPI ISL 483346, EPI ISL 483347, EPI ISL 483346, EPI ISL 483346, EPI ISL 483346, EPI ISL 483347, EPI ISL 483347, EPI ISL 483347, EPI ISL 483347, EPI ISL 483348, EPI ISL 483347, EPI ISL 483347, EPI ISL 483347, EPI ISL 483348, EPI ISL 483347, EPI ISL 483347 EPI\_ISL\_483357, EPI\_ISL\_483358, EPI\_ISL\_483358, EPI\_ISL\_483359, EPI\_ISL\_483359, EPI\_ISL\_483363, EPI\_ISL\_483374, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483378, EPI\_ISL\_483378, EPI\_ISL\_483378, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483377, EPI\_ISL\_483378, EPI\_ISL\_483377, EPI\_ISL\_483377 EPÎ IŞL 483381, EPÎ IŞL 483382, EPÎ IŞL 483383, EPÎ IŞL 483384, EPÎ IŞL 483384, EPÎ IŞL 483385, EPÎ IŞL 483385, EPÎ IŞL 483395, EPÎ IŞL 483385, EPÎ IŞL 483385

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EPI ISI 483398 EPI ISI 483399 UC San Diego Center for Advanced Laboratory Andersen lab at Scripps Research Allison Smither, Gilberto Sabino-Santos, Patricia Snarski, Lilia Melnik, Antoinette Bell, Kaylynn Genemaras, Arnaud Drouin, Dahlene Fusco, Robert Garry with SEARCH Alliance San Diego EPI\_ISL\_483400, EPI\_ISL\_483401, Medicine EPI\_ISL\_483402

EPI ISL 483403, EPI ISL 483404, EPI ISL 483404, EPI ISL 483405, EPI ISL 483405, EPI ISL 483405, EPI ISL 483405, EPI ISL 483407, EPI ISL 483408, EPI ISL 483422, EPI ISL 483412, EPI ISL 483412, EPI ISL 483413, EPI ISL 483413, EPI ISL 483413, EPI ISL 483414, EPI ISL 483413, EPI ISL 483413, EPI ISL 483413, EPI ISL 483414, EPI ISL 483413, EPI ISL 483413, EPI ISL 483413, EPI ISL 483414, EPI ISL 483413, EPI ISL 483413 EPI ISL 483427, EPI ISL 483427, EPI ISL 483428, EPI ISL 483429, EPI ISL 4834329, EPI ISL 4834329, EPI ISL 483433, EPI ISL 483433, EPI ISL 483437, EPI ISL 483443, EPI ISL 483437, EPI ISL 4834 EPI ISL 483451, EPI ISL 483452, EPI ISL 483452, EPI ISL 483453, EPI ISL 4834545, EPI ISL 4834545, EPI ISL 483455, EPI ISL 483457, EPI ISL 483457, EPI ISL 483466, EPI ISL 483470, EPI ISL 483470, EPI ISL 483470, EPI ISL 483487, EPI ISL 483467, EPI ISL 483468, EPI ISL 483468, EPI ISL 483469, EPI ISL 483490, EPI ISL 483494, EPI ISL 483494, EPI ISL 483494, EPI ISL 483497, EPI ISL 483497, EPI ISL 483497, EPI ISL 483484, EPI ISL 483497, EPI ISL 4834 EPI ISL 483499, EPI ISL 483500, EPI ISL 483500, EPI ISL 483501, EPI ISL 483501, EPI ISL 483503, EPI ISL 483517, EPI ISL 483518, EPI ISL 483503, EPI ISL 483503, EPI ISL 483517, EPI ISL 483519, EPI ISL 483517, EPI ISL 483517, EPI ISL 483517, EPI ISL 483519, EPI ISL 483517, EPI ISL 483517

EPI\_ISL\_483523, EPI\_ISL\_483524, EPI\_ISL\_483525, EPI\_ISL\_483526, EPI\_ISL\_483527, EPI\_ISL\_483528, EPI\_ISL\_483529, EPI\_ISL\_483530 see above UC San Diego Center for Advanced Laboratory Andersen lab at Scripps Research SEARCH Alliance San Diego with David Pride, Ji H Shin

EPI ISL\_483531, EPI ISL\_483532, EPI\_ISL\_483533, EPI\_ISL\_483534, EPI\_ISL\_483535, EPI\_ISL\_483536, EPI\_ISL\_483537, EPI\_ISL\_483538, EPI\_ISL\_483539, EPI\_ISL\_483540, EPI\_ISL\_483541

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EPI ISL 483542, EPI ISL 483543, EPI ISL 483543, EPI ISL 483543, EPI ISL 483544, EPI ISL 483554, EPI ISL 483556, EPI ISL 483561, EPI ISL 483562, EPI ISL 483562, EPI ISL 483563, EPI ISL 483559, EPI ISL 483559, EPI ISL 483559, EPI ISL 483569, EPI ISL 483561, EPI ISL 483562, EPI ISL 483564, EPI ISL 483559, EPI ISL 483564, EPI ISL 483569, EPI ISL 483569 Bas Oude Munnink, David Nieuwenhuijse, Reina Sikkema, Fatema, Ebrahim Shehad, Amjad Ghanem Mohamed, Hashmeya Al Wasti, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Theo Bestebroer, Stefan van Nieuwkoop, Mark Pronk, Pascal see above Kingdom of Bahrein Ministry of Health Erasmus Medical Center Lexmond, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team

Hospital

EPI ISL 483570 Clinical Microbiology Laboratory- Basurto University Biocruces-Bizkaia Mikel I. Urrutikoetxea-Gutierrez. Ana Belén Belén de la Hoz. Matxalen Vidal-García, Mº Carmen Nieto Toboso, Estibaliz Ugalde-Zarraga, losé Luis Díaz de Tuesta del Arco

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			3584, EPI_ISL_483585, EPI_ISL_483586, EPI_ISL_483587, EPI_ISL_483588, EPI_ISL_483589, EPI_ISL_483590, EPI_ISL_483591, EPI_ISL_483592, EPI_ISL_483593, EPI_ISL_483594, EPI_ISL_483595, EPI_ISL_483596, EPI_ISL_483597, EPI_ISL_483598, EPI_ISL_
EPI_ISL_483600, EPI_ISL_483601, EPI_ISL_ see above	_483602, EPI_ISL_483603, EPI_ISL_483604, EPI_ISL_483605, National Public Health Laboratory, National Centre for	National Public Health Laboratory, National	3608, EPI_ISL_483609, EPI_ISL_483610, EPI_ISL_483611, EPI_ISL_483612, EPI_ISL_483613, EPI_ISL_483613, EPI_ISL_483615, EPI_ISL_483616, EPI_ISL_483617, EPI_ISL_483618, EPI_ISL_483619, EPI_ISL_483620, EPI_ISL_483621  Mak TM, Octavia S, Zhou Z, Chavatte JM, Cui L, Lin RTP
EPI_ISL_483622, EPI_ISL_483623	Infectious Diseases  National Institute of Laboratory Medicine and Referral	Centre for Infectious Diseases Genomic Research Lab, BCSIR	Tasnim Nafisa, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Md. Maruf Ahmed Molla,
EPI_ISL_483624	Center National Institute of Laboratory Medicine and Referral	Genomic Research Lab, BCSIR	Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan  Md. Maruf Ahmed Molla, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa,
EPI ISL 483625	Center unknown	Molecular Microbiology of Laboratory	Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan Bui Thi,D.T., Nguyen,H.T., Tran,T.X., Nguyen,D.D., Pham,L.T., Vu,H.T., Le Thi,Q.M., Nguyen Le,H.K., Hoang Vu,P.M., Dang,A.D., Dong,Q.V. and Dinh,K.D.
EPI_ISL_483626	National Institute of Laboratory Medicine and Referral Center	Genomic Research Lab, BCSIR	Md. Maruf Ahmed Molla, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483627, EPI_ISL_483628	National Institute of Laboratory Medicine and Referral Center	Genomic Research Lab, BCSIR	Mahmuda Yeasmin, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Gosman, Md. Ahasan Habib, Shahina Akter, Tanjina Akther Banu, Md. Murshed Hasan Sarkar, Bama Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md.  Mahmuda Yeasmin, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Sheikh Md. Selim Albin, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan  Maruf Ahmed Molia, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483629, EPI_ISL_483630	National Institute of Laboratory Medicine and Referral Center	Genomic Research Lab, BCSIR	Asish Kumar Ghosh, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akther Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md.  Maruf Ahmed Molla, Mahmuda Yeasmin, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483631, EPI_ISL_483632	National Institute of Laboratory Medicine and Referral	Genomic Research Lab, BCSIR	Md. Ahasan Habib, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla,
EPI_ISL_483633, EPI_ISL_483634	Center  National Institute of Laboratory Medicine and Referral	Genomic Research Lab, BCSIR	Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan  Shahina Akter, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla,
EPI_ISL_483635, EPI_ISL_483636	Center  National Institute of Laboratory Medicine and Referral	Genomic Research Lab, BCSIR	Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan  Tanjina Akhter Banu, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla,
EPI_ISL_483637	Center National Laboratory of Virology, Szentágothai Research		Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan Endre Gábor Tóth, Balázs Somogyi, Ferenc Jakab, Gábor Kemenesi
EPI_ISL_483638, EPI_ISL_483639,	Centre Kingdom of Bahrein Ministry of Health	Research Centre Erasmus Medical Center	Bas Oude Munnink, David Nieuwenhuijse, Reina Sikkema, Fatema, Ebrahim Shehad, Amjad Ghanem Mohamed, Hashmeya Al Wasti, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Theo Bestebroer, Stefan van Nieuwkoop, Mark Pronk, Pascal
EPI_ISL_483640 EPI_ISL_483641, EPI_ISL_483642	National Institute of Laboratory Medicine and Referral	Genomic Research Lab, BCSIR	Lexmond, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.  Barna Goswami, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla,
EPI_ISL_483643, EPI_ISL_483644	Center  National Institute of Laboratory Medicine and Referral	Genomic Research Lab, BCSIR	Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan  Iffat Jahan, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla,
EPI_ISL_483645, EPI_ISL_483646,	Center National Institute of Laboratory Medicine and Referral	Genomic Research Lab. BCSIR	Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan  Md. Saddam Hossain, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Tasnim Nafisa, Md. Maruf Ahmed Molla,
EPI_ISL_483647	Center	FPI ISI 483654 FPI ISI 483655 FPI ISI 48	Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan 3656, EPI_ISL_483657, EPI_ISL_483658, EPI_ISL_483659, EPI_ISL_483660, EPI_ISL_483661, EPI_ISL_483662, EPI_ISL_483663, EPI_ISL_483665, EPI_ISL_483666
see above	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Christian Beisel, Sarah Nadeau, Ivan Topolsky, Pedro Ferreira, Philipp Jablonski, Susana Posada-Céspedes, Tobias Schär, Ina Nissen, Natascha Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_483668, EPI_ISL_483669, EPI_ISL_		EPI_ISL_483674, EPI_ISL_483675, EPI_ISL_48	3676, EPI_ISL_483677, EPI_ISL_483678, EPI_ISL_483679, EPI_ISL_483680, EPI_ISL_483682, EPI_ISL_483683, EPI_ISL_483685
see above	University Hospital Zurich	Department of Biosystems Science and Engineering, ETH Zürich	Christian Beisel, Sarah Nadeau, Ivan Topolsky, Pedro Ferreira, Philipp Jablonski, Susana Posada-Céspedes, Tobias Schār, Ina Nissen, Natascha Santacroce, Elodie Burcklen, Julia Martinez-Gomez, Phil Cheng, Mitch Levesque, Philipp Bosshard, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_483686, EPI_ISL_483687	National Institute of Laboratory Medicine and Referral Center	Genomic Research Lab, BCSIR	Md. Murshed Hasan Sarkar, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla, Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483688	Genomic Research Lab, BCSIR	Genomic Research Lab, BCSIR	Md. Murshed Hasan Sarkar, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla, Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483689, EPI_ISL_483690, EPI_ISL_483691, EPI_ISL_483692	National Institute of Laboratory Medicine and Referral Center	Genomic Research Lab, BCSIR	Md. Murshed Hasan Sarkar, Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla, Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483693, EPI_ISL_483694, EPI_ISL_483695, EPI_ISL_483699, EPI_ISL_483700, EPI_ISL_483703	National Institute of Laboratory Medicine and Referral Center	Genomic Research Lab, BCSIR	Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla, Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483704	Israel Central Virology laboratory	Israel Central Virology laboratory	Neta Zuckerman, Efrat Dahan Bucris, Oran Erster, Ella Mendelson, Michal Mandelboim
EPI_ISL_483705, EPI_ISL_483707	National Institute of Laboratory Medicine and Referral Center	Genomic Research Lab, BCSIR	Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla, Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483708, EPI_ISL_483709	Israel Central Virology laboratory	Israel Central Virology laboratory Genomic Research Lab. BCSIR	Neta Zuckerman, Efrat Dahan Bucris, Oran Erster, Ella Mendelson, Michal Mandelboim  Abu Sauced Mehammad Mahmud, Mehammad Sawir Usaaman, Echar Compa, Md. Abasan Habib, Chabing Aldrer, Tayling
EPI_ISL_483710	National Institute of Laboratory Medicine and Referral Center		Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Md. Ahasan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Tasnim Nafisa, Md. Maruf Ahmed Molla, Mahmuda Yeasmin, Asish Kumar Ghosh, A. K. M. Shamsuzzaman, Sheikh Md. Selim Al Din, Utpal Chandra Ray, Salek Ahmed Sajib, Md. Salim Khan
EPI_ISL_483711, EPI_ISL_483712, EPI_ISL_483713, EPI_ISL_483715, EPI_ISL_483717, EPI_ISL_483725	Israel Central Virology laboratory	Israel Central Virology laboratory	Neta Zuckerman, Efrat Dahan Bucris, Oran Erster, Ella Mendelson, Michal Mandelboim
EPI_ISL_483820	GMERS Medical College and Hospital, Gandhinagar	Gujarat Biotechnology Research Centre	Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Seema Bhatt, Gaurishankar Shrimali, Bhavesh Modi, Bharti Rajani, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483821	Government Medical College, Vadodara	Gujarat Biotechnology Research Centre	Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Meenakshi Shah, Neena Doshi, Varsha Godbole, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483822	Government Medical College, Vadodara	Gujarat Biotechnology Research Centre	Afzal Ansari, Nikha Trivedi, Meenakshi Shah, Neena Doshi, Varsha Godbole, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483823	GMERS Medical College Himmatnagar	Gujarat Biotechnology Research Centre	Nikha Trivedi, Himanshu Khatri, Mayur Gandhi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483824	GMERS Medical College Himmatnagar	Gujarat Biotechnology Research Centre	Himanshu Khatri, Mayur Gandhi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483825	GMERS Medical College Himmatnagar	Gujarat Biotechnology Research Centre	Mayur Gandhi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Himanshu Khatri, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483826	GMERS Medical College Himmatnagar	Gujarat Biotechnology Research Centre	Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Himanshu Khatri, Mayur Gandhi, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483827	GMERS Medical College Himmatnagar	Gujarat Biotechnology Research Centre	Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Himanshu Khatri, Mayur Gandhi, Apurvasinh Puvar, R D Dixit, A M Kadri, Harsh Bakshi, Chaïtanya Joshi, Madhvi Joshi
EPI_ISL_483828	GMERS Medical College Himmatnagar	Gujarat Biotechnology Research Centre	Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Himanshu Khatri, Mayur Gandhi, Apurvasinh Puvar, Janvi Raval, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483829	Pandit Deendayal Upadhyay Government Medical College, Rajkot	Gujarat Biotechnology Research Centre	Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, R  D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483830	Pandit Deendayal Upadhyay Government Medical College, Rajkot	Gujarat Biotechnology Research Centre	Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saka, Harkadir, Iraian Bakshi, Chaitanya Joshi, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, R  D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483831	Pandit Deendayal Upadhyay Government Medical College, Rajkot	Gujarat Biotechnology Research Centre	Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afazl Ansari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, R D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi
EPI_ISL_483832	Pandit Deendayal Upadhyay Government Medical	Gujarat Biotechnology Research Centre	Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, R
EPI_ISL_483833	College, Rajkot  Pandit Deendayal Upadhyay Government Medical	Gujarat Biotechnology Research Centre	D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi  Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Atzla Masari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, R
	College, Rajkot		D Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi

	andit Deendayal Upadhyay Government Medical College, Rajkot andit	l, Nitin Savaliya, Raghawendra Kumar, R
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Fig. 1. Part in transport sections of the control o	andit Deendayal Upadhyay Government Medical College, Rajkot  andit Deendayal Upadhyay Governme	, Raghawendra Kumar, Dinesh Kumar, R
19.1.   19.1	andit Deendayal Upadhyay Government Medical College, Rajkot  Gujarat Biotechnology Research Centre College, Rajkot  Gujarat Biotechnology Research Centre Gujarat Biotechnology Research	a Kumar, Dinesh Kumar, Zuber Saiyed, R
1.	andit Deendayal Upadhyay Government Medical College, Rajkot  Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Chaitanya Joshi, Madhvi Joshi  Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh College, Rajkot  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh Dibit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh Dibit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi	esh Kumar, Zuber Saiyed, Komal Patel, R
His States   Note States all registery communities   State all all R	andit Deendayal Upadhyay Government Medical College, Rajkot  Gujarat Biotechnology Research Centre  Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal College, Rajkot  Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh  College, Rajkot  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh  College, Rajkot  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh  Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh  Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Mitha Savaliya, Raghawendra Ku	er Saiyed, Komal Patel, Labdhi Pandya, R
Ext. SERIES   Data Description for comment retails of Carlos Action 1. Car	andit Deendayal Upadhyay Government Medical College, Rajkot Gujarat Biotechnology Research Centre Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Labdhi Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Oliege, Rajkot Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Oliege, Rajkot Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Oliege, Rajkot Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Abdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Abdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Abdhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar,	mal Patel, Labdhi Pandya, Afzal Ansari, R
E. E	andit Deendayal Upadhyay Government Medical Gujarat Biotechnology Research Centre Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Olice, Rajkot  Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh  College, Rajkot  Gujarat Biotechnology Research Centre  Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Limar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikh  Dixit, A M Kadri, Harsh Bakshi, Chaitanya Joshi, Madhvi Joshi	Jhi Pandya, Afzal Ansari, Nikha Trivedi, R
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P.		ha Trivedi, Gauravi Dhruv, Arti Trivedi, R
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H. S. 458856 Part Designating of Comment Medical Security Comment Medic	andit Deendayal Upadhyay Government Medical Gujarat Biotechnology Research Centre Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nithi Patel, Nithi Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Gauravi Dhruv, Arti T	Trivedi, Apurvasinh Puvar, Janvi Raval, R
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Sept.   Mark Contrary Special positions of contract (Sept. Special contract (Sept. Special contract (Sept. Special contract (Sept. Special contract)	andit Deendayal Upadhyay Government Medical Gujarat Biotechnology Research Centre Maharshi Pandya, Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarn	na Patel, Monika Gandhi, Pinal Trivedi, R
EP. St. 43351 Cognitive of Microbiology, Comment Medical Codings, South Confession, Comment Medical Codings, South Codings, So	andit Deendayal Upadhyay Government Medical Gujarat Biotechnology Research Centre Nidhi Patel, Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Salyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Dinesh Kumar, Zuber Salyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Dinesh Kumar, Zuber Salyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gauravi Dhruv, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Apurvasinh Puvar, Arti Trivedi, Apurvasinh Puvar, Janvi Raval, Apurvasinh Puvar, Apu	andhi, Pinal Trivedi, Maharshi Pandya, R
P. P. B. 48352 Department of Microbiology, Department Medical College. Subars Department of Microbiology, Department Medical College. Subars Department of Microbiology, Department Microbiology, Department of Microbiology, Depa	epartment of Microbiology, Government Medical Gujarat Biotechnology Research Centre Nitin Savaliya, Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Naresh Chauhan, Summaiya Mullan, Amit gamit, Apurvasinh Puvar, Janvi Raval, Zarna Patel,	, Monika Gandhi, Pinal Trivedi, Maharshi
EP, EL, 43325 Department of Microcal Opportment Medical College, Surface Control College, Surfac	epartment of Microbiology, Government Medical Gujarat Biotechnology Research Centre Raghawendra Kumar, Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Naresh Chauhan, Summaiya Mullan, Amit gamit, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi	ni, Pinal Trivedi, Maharshi Pandya, Nidhi
P.S. 48930 Department of Microbiotopy, Greenment Medical Collags, Sozial Post-Charles Services (Services Services Servic	epartment of Microbiology, Government Medical Gujarat Biotechnology Research Centre Dinesh Kumar, Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Naresh Chauhan, Summaiya Mullan, Amit gamit, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Mahars	rshi Pandya, Nidhi Patel, Nitin Savaliya,
By 15, 48392 Department of Microbiology, Government Medical College, Suzar Control (Microbiology, Government	epartment of Microbiology, Government Medical Gujarat Biotechnology Research Centre Zuber Saiyed, Komal Patel, Labdhi Pandya, Afzal Ansari, Nikha Trivedi, Naresh Chauhan, Summaiya Mullan, Amit gamit, Apurvasinh Puvar, Janvi Raval, Zarna Patel, Monika Gandhi, Pinal Trivedi, Maharshi Pandya, Nid	dhi Patel, Nitin Savaliya, Raghawendra
EP IS, 4,81856 Department of Microbiology, Government Medical Colleges, Surface Coll		Savaliya, Raghawendra Kumar, Dinesh
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EPI ISL 484221. EPI ISL 484222. EPI ISL 484222. EPI ISL 484223. EPI ISL 484223. EPI ISL 484223. EPI ISL 484234. EPI ISL 484236. EPI ISL 484239. EPI ISL 484239. EPI ISL 484240. EPI ISL 484241. EPI ISL 484241. EPI ISL 484242. EPI ISL 484242. EPI ISL 484241. EPI ISL 484242. EPI ISL 484241. EPI ISL 484231. EPI ISL 484241. EPI ISL 484241 EPI\_ISL\_484245, EPI\_ISL\_484246, EPI\_ISL\_484247, EPI\_ISL\_484248, EPI\_ISL\_484249, EPI\_ISL\_484250, EPI\_ISL\_484251, EPI\_ISL\_484252, EPI\_ISL\_484253

DeepSeg Nottingham EPI\_ISL\_484254, EPI\_ISL\_484255, 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, EPI\_ISL\_484256, EPI\_ISL\_484257, 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-

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EPI ISL\_484328, EPI ISL\_484329, EPI ISL\_484330, EPI ISL\_484331, EPI ISL\_484332, EPI ISL\_484333, EPI ISL\_484334, EPI ISL\_484335, EPI ISL\_484336, EPI ISL\_484337, EPI ISL\_484338

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COVID-19 Genomics UK (COG-UK) Consortium

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EPI\_ISL\_484709, EPI\_ISL\_484710, EPI\_ISL\_484710, EPI\_ISL\_484710, EPI\_ISL\_484711, EPI\_ISL\_484711, EPI\_ISL\_484723, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484714, EPI\_ISL\_484714, EPI\_ISL\_484714, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484727, EPI\_ISL\_484714, EPI\_ISL\_484714

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EPI ISL 485388, EPI ISL 485389,

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Department of Microbiology and Immunology EPI ISL 484807, EPI ISL 484808, EPI ISL 484808, EPI ISL 484809, EPI ISL 484809, EPI ISL 484810, EPI ISL 484812, EPI ISL 484812, EPI ISL 484814, EPI ISL 484814, EPI ISL 484814, EPI ISL 484815, EPI ISL 484814, EPI ISL 484814 EPI ISL 484832, EPI ISL 484833, EPI ISL 484834, EPI ISL 484835, EPI ISL 484835, EPI ISL 484835, EPI ISL 484835, EPI ISL 484836, EPI ISL 484836, EPI ISL 484837, EPI ISL 484837 EPI ISL 484893, EPI ISL 484892, EPI ISL 484893, EPI ISL 484893 EPÍS. 484905. EP

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EPI ISL 485315, EPI ISL 485316, EPI ISL 485316, EPI ISL 485317, EPI ISL 485317, EPI ISL 485337, EPI ISL 485333, EPI ISL 485334, EPI ISL 485334, EPI ISL 485337, EPI ISL 485337, EPI ISL 485337, EPI ISL 485338, EPI ISL 485338, EPI ISL 485339, EPI ISL 485339

FPI ISI 485392 FPI ISI 485393 EPI ISL 485394, EPI ISL 485395. EPI\_ISL\_485396 EPI ISL 485398 unknown Department of Internal Medicine Kim D -M EPI\_ISL\_485399 Szymon Hryhorowicz, Adam Ustaszewski, Marta Kaczmarek-Ryś, Emilia Lis, Ewa Zietkiewicz, Michał Witt, Andrzei Pławski Institute of Human Genetics, Polish Academy of Institute of Human Genetics, Polish Academy Sciences of Sciences

Institute of Human Genetics, Polish Academy EPI\_ISL\_485400 Institute of Human Genetics, Polish Academy of Szymon Hryhorowicz, Adam Ustaszewski, Marta Kaczmarek-Ryś, Emilia Lis, Ewa Zietkiewicz, Michał Witt, Andrzei Pławski Sciences of Sciences.

EPI\_ISL\_485401 unknowr Communicable Disease Laboratory Zaed.A., Al-Wasti.H., Al-Taif.Z. and Shehab.F EPI\_ISL\_485575, EPI\_ISL\_485576, EPI\_ISL\_485576, EPI\_ISL\_485576, EPI\_ISL\_485577, EPI\_ISL\_485597, EPI\_ISL\_485597

EPI ISL 485599, EPI ISL 485600, EPI ISL 485601, EPI ISL 485602

Barrera-Badillo,G., Ramirez-Gonzalez,E. see above Instituto de diagnóstico y Referencia Epidemiologicos Instituto de diagnóstico y Referencia

EPI ISL 485603 Division of Infectious Disease Steininger Lab lakob Thannesberger, Ingeborg Klymiuk, Nicolas Rascovan, Lorenz Schubert, Oliver Robak, Christoph Steininger EPI ISL 485604, EPI ISL 485605. Respiratory Virus Unit, Microbiology Services Colindale, Respiratory Virus Unit, Microbiology Services PHE Covid Sequencing Team Colindale, Public Health England EPI ISI 485606 EPI ISI 485607 Public Health England EPI ISL 485608, EPI ISL 485609. EPI ISL 485610, EPI ISL 485611

EPI ISL 485710, EPI ISL 485711 EPI ISL 485712 Institut Pasteur Institut Pasteur de Dakar Ndongo Dia, Moussa Moise Diagne, Mamadou diop, Marie Henriette Dior Ndione, Mamadou Malado Jallow, Safietou Sanke, Ousmane Faye, Amadou Alpha Sall.

EPI ISL 485713, EPI ISL 485715 Institut Pasteur Dakar Institut Pasteur de Daka Ndongo Dia, Moussa Moise Diagne, Mamadou diop, Marie Henriette Dior Ndione, Mamadou Malado Iallow, Safietou Sanke, Ousmane Fave, Amadou Alpha Sall EPI\_ISL\_485716, EPI\_ISL\_485717

Medizinische Mikrobiologie und Hygiene, Viruskrankheiten, Universitätsklinikum Tübinger Universitätsklinikum Tübingen EPI ISL 485810, EPI ISL 485811, Institut für Virologie und Epidemiologie der NGS Competence Center Tübingen, Institut für Angelov et al.

Universitätsklinikum Tübingen EPI ISL 485814, EPI ISL 485815, EPI ISL 485815, EPI ISL 485816, EPI ISL 485816, EPI ISL 485817, EPI ISL 485817, EPI ISL 48583, EPI ISL 48583,

EPI ISL 485886, EPI ISL 485865, EPI ISL 485866, EPI ISL 485866 Virginia DCLS Virginia DCLS Virginia DCLS see above

EPI\_ISL\_485872 New Mexico Department of Health Scientific Center for Global Health, University of New Daryl Domman, Kurt Schwalm, Twila Kunde, Joseph Hicks, Michael Edwards, Darrell Dinwiddie Laboratory Division Mexico Health Sciences Center

EPI ISL 485873, EPI ISL 485874, EPI ISL 485874, EPI ISL 485875, EPI ISL 485875, EPI ISL 485877, EPI ISL 485892, EPI ISL 485892, EPI ISL 485893, EPI ISL 485893, EPI ISL 485893, EPI ISL 485894, EPI ISL 485895, EPI ISL 485895, EPI ISL 485896, EPI ISL 485896, EPI ISL 485896, EPI ISL 485897, EPI ISL 485897 EPI ISL 485897, EPI ISL 485898, EPI ISL 485899, EPI ISL 485900, EPI ISL 485901, EPI ISL 485902, EPI ISL 485903, EPI ISL 485904, EPI ISL 485905, EPI ISL 485906 Ginkgo Bioworks Clinical Laboratory Rebecca C. Christofferson, Stephania A. Cormier, Luan V. Dinh, E. Handly Mayton, Hollis R. O'Neil, Thaya Stoufflet, Malaika Mckenzie-Bennett, James McGann, Jim Griffin, Keith Robison, Alex Plocik, Becky Schilling, Rebecca Littlefield, Michelle Spencer

Biraitte Simen EPI ISL 485917, EPI ISL 485918, EPI ISL 485918, EPI ISL 485919, EPI ISL 485921, EPI ISL 485920, EPI ISL 485920, EPI ISL 48592, EPI ISL 485937, EPI\_ISL\_485941, EPI\_ISL\_485942, EPI\_ISL\_485942, EPI\_ISL\_485944, EPI\_ISL\_485944 EPÎ ISL 485969, EPÎ ISL 485971, EPÎ ISL 485971, EPÎ ISL 485977, EPÎ ISL 485973, EPÎ ISL 485973, EPÎ ISL 485974, EPÎ ISL 485977 EP ISL 486018, EPI ISL 486019, EPI ISL 486019, EPI ISL 486020, EPI ISL 486020, EPI ISL 486022, EPI ISL 486022, EPI ISL 486023, EPI ISL 486023, EPI ISL 486034, EPI ISL 486035, EPI ISL 486035, EPI ISL 486036, EPI ISL 486036, EPI ISL 486036, EPI ISL 486036, EPI ISL 486044, EPI ISL 486048, EPI ISL 486048, EPI ISL 486049, EPI ISL 486067, EPI ISL 486068, EPI ISL 486069, EPI ISL 486069, EPI ISL 486070, EPI ISL 486077, EPI ISL 486077 EPI SL 486093, EPI SL 486094, EPI SL 486095, EPI SL 486097, EPI SL 486097, EPI SL 486099, EPI SL 486099, EPI SL 486102, EPI SL 486103, EPI SL 486103, EPI SL 486106, EPI SL 486109, EPI SL 486109, EPI SL 486112, EPI SL 486113, EPI SL 486114

see above UW Virology Lab UW Virology Lab Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Rachleff, Meei-Li Huang, Keith R Jerome, Alexander Greninger EPI ISL 486115, EPI ISL 486116, County of Santa Clara Public Health Department Chan-Zuckerberg Biohub CZB Cliahub Consortium

EPI ISL 486120, EPI ISL 486121, EPI ISL 486121, EPI ISL 486121, EPI ISL 486122, EPI ISL 486138, EPI ISL 486139, EPI ISL 486143, EPI ISL 486140, EPI ISL 486142, EPI ISL 486142, EPI ISL 486139, EPI ISL 486139 EP ISL 486145, EP ISL 486146, EP ISL 486145, EP ISL 486155, EP ISL 486165, EP ISL EPI ISL 486192, EPI ISL 486193, EPI ISL 486194, EPI ISL 486194, EPI ISL 486194, EPI ISL 486200, EPI ISL 486200 EPÎ ISL 486216, EPÎ ISL 486217, EPÎ ISL 486223, EPÎ ISL 486220, EPÎ ISL 486223, EPÎ ISL 486223, EPÎ ISL 486224, EPÎ ISL 486223, EPÎ ISL 486224, EPÎ ISL 486224, EPÎ ISL 486237, EPÎ ISL 486237, EPÎ ISL 486244, EPÎ ISL 486254, EPÎ ISL 486244, EPÎ ISL 486244

EPI ISL 486264, EPI ISL 486265, EPI ISL 486265, EPI ISL 486266, EPI ISL 486267, EPI ISL 486268, EPI ISL 486268, EPI ISL 486278, EPI ISL 486270, EPI ISL 486271, EPI ISL 486272, EPI ISL 486274, EPI ISL 486275, EPI ISL 486275, EPI ISL 486277, EPI ISL 486278, EPI ISL 486278, EPI ISL 486278, EPI ISL 486279, EPI ISL 486279

see above EPI ISL 486280, EPI ISL 486281, EPI ISL 486282, EPI ISL 486283, EPI ISL 486284, EPI ISL 486285,

EPI ISL 486286

Orange County Public Health Laboratory

Chan-Zuckerberg Biohub

CZB Cliahub Consortium

Humboldt County Public Health Laboratory

Chan-Zuckerberg Biohub

CZB Cliahub Consortium

EPI ISL 486287, EPI ISL 486288, EPI ISL 486288, EPI ISL 486299, EPI ISL 486299, EPI ISL 486290, EPI ISL 486293, EPI ISL 486293, EPI ISL 486293, EPI ISL 486303, EPI ISL 486304, EPI ISL 486305, EPI ISL 486315, EPI ISL 486315 EPI\_ISL\_486335, EPI\_ISL\_486336, EPI\_ISL\_486337, EPI\_ISL\_486338

see above San Joaquin County Public Health Lab Chan-Zuckerberg Biohub CZB Cliahub Consortium

EPI ISL 486339, EPI ISL 486340, EPI ISL 486340, EPI ISL 486341, EPI ISL 486343, EPI ISL 486344, EPI ISL 486354, EPI ISL 486355, EPI ISL 486356, EPI ISL 486356, EPI ISL 486356, EPI ISL 486356, EPI ISL 486355, EPI ISL 486357, EPI ISL 486356, EPI ISL 486356 EPI\_ISL\_486363, EPI\_ISL\_486364, EPI\_ISL\_486365

EPI_ISL_486363, EPI_ISL_486364, EPI_ISL_4			
see above	UCSF Clinical Microbiology Laboratory	Chan-Zuckerberg Biohub	CZB Cliahub Consortium
EPI_ISL_486382	District Surveillence Unit	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486383	CV Raman Hospital	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486384	DH	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486385, EPI_ISL_486386	Victoria Hospital	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486387, EPI_ISL_486388, EPI_ISL_486389	DH	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486390, EPI_ISL_486391	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486392	Victoria Hospital	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486393	SJMCH	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486394	MIMS	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486395	BIMS	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486396	Jayanagar General Hospital to Victoria Hospital	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486397	KC General Hospital	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486398, EPI_ISL_486399	MIMS	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486400	Victoria Hospital	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486401, EPI_ISL_486402, EPI_ISL_486403	DH	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486404	Victoria Hospital	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486405, EPI_ISL_486406, EPI_ISL_486407, EPI_ISL_486408, EPI_ISL_486409	DH	Department of Neurovirology, National Institute of Mental Health and Neuroscience (NIMHANS)	Chitra Pattabiraman, Vijayalakshmi Reddy, Harsha PK, Risha Rasheed, Shafeeq S Hameed, Manjunatha Venkataswamy, Anita Desai, Ravi Vasanthapuram
EPI_ISL_486410, EPI_ISL_486411	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486412	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486413, EPI_ISL_486414	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486415	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486416	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486417, EPI_ISL_486418	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486419	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486420, EPI_ISL_486421	Centrālā laboratorija	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Stella Lapiņa, Jana Osīte, Marta Priedīte, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486422, EPI_ISL_486423, EPI_ISL_486424, EPI_ISL_486425, EPI_ISL_486426	Latvijas Infektoloģijas centrs	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Jeļena Storoženko, Tatjana Kolupajeva, Oksana Savicka, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486427	unknown	Clinical Laboratory, Hospital Israelita Albert Einstein	Amgarteb, D., Malta, F., Guedes, R.L., Santana, R.A., de Menezes, F.G., Mangueira, C.L. and Pinho, J.R.
EPI_ISL_486428	Latvijas Infektoloģijas centrs	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Jeļena Storoženko, Tatjana Kolupajeva, Oksana Savicka, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486429	unknown	Clinical Laboratory, Hospital Israelita Albert Einstein	Malta,F., Amgarten,D., Guedes,R.L., Santana,R.A., de Menezes,F.G., Mangueira,C.L. and Pinho,J.R.
EPI_ISL_486430, EPI_ISL_486431, EPI_ISL_486432, EPI_ISL_486433, EPI_ISL_486434, EPI_ISL_486435	Latvijas Infektoloģijas centrs	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Jeļena Storoženko, Tatjana Kolupajeva, Oksana Savicka, Uga Dumpis, Jānis Kloviņš
EPI_ISL_486436	Latvijas Infektoloģijas centrs	Latvian Biomedical Research and Study Centre	Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Jeļena Storoženko, Tatjana Kolupajeva, Oksana Savicka, Uga Dumpis, Jānis Kloviņš

EPI\_ISL\_486438 E. Gulbja laboratorija

EPI\_ISL\_486855

see above

EPI\_ISL\_486876

Emergency county Hospital Suceava

Institut Pasteur Dakar

Clinical Microbiology Laboratory- Basurto University Hospital

Latvian Biomedical Research and Study Centre Ivars Silamiķelis, Kaspars Megnis, Monta Ustinova, Ņikita Zrelovs, Vita Rovīte, Mikus Gavars, Dmitrijs Perminovs, Uga Dumpis, Jānis Kloviņš

FPI ISI 486442. FPI ISI 486443. FPI ISI	486444. FPI ISI 486445. FPI ISI 486446. FPI ISI 48644	Centre 7. FPI ISI 486448. FPI ISI 486449. FPI ISI 481	6450 FPI ISI 486451 FPI ISI 486452 FPI ISI 486453 FPI ISI 486453 FPI ISI 486454 FPI ISI 486455 FPI ISI 486455 FPI ISI 486457 FPI ISI 486460 F		
EP   ISL 486442, EP   ISL 486443, EP   ISL 486444, EP   ISL 486464, EP   ISL 486464, EP   ISL 486464, EP   ISL 48646, EP   ISL 486464, EP   ISL 48645, EP   ISL 48646, EP   ISL 48647, EP   ISL 48649, EP   ISL 48659, EP   IS					
see above	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Christian Beisel, Sarah Nadeau, Ivan Topolsky, Pedro Ferreira, Philipp Jablonski, Susana Posada-Céspedes, Tobias Schär, Ina Nissen, Natascha Santacroce, Elodie Burcklen, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler		
EPI_ISL_486646, EPI_ISL_486647	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Mancon A, Comandatore F, Romeri F, Micheli V, Rimoldi SG		
EPI_ISL_486648	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Micheli V, Comandatore F, Romeri F, Mancon A, Rimoldi SG		
EPI_ISL_486649	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Rimoldi SG, Comandatore F, Romeri F, Mancon A, Micheli V		
EPI_ISL_486650	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Romeri F, Comandatore F, Mancon A, Micheli V, Rimoldi SG		
EPI_ISL_486651	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Mancon A, Comandatore F, Romeri F, Micheli V, Rimoldi SG		
EPI_ISL_486652	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Micheli V, Comandatore F, Romeri F, Mancon A, Rimoldi SG		
EPI_ISL_486653	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Rimoldi SG, Comandatore F, Romeri F, Mancon A, Micheli V		
EPI_ISL_486654	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Romeri F, Comandatore F, Mancon A, Micheli V, Rimoldi SG		
EPI_ISL_486655	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Mancon A, Comandatore F, Romeri F, Micheli V, Rimoldi SG		
EPI_ISL_486656	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Micheli V, Comandatore F, Romeri F, Mancon A, Rimoldi SG		
EPI_ISL_486657	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Rimoldi SG, Comandatore F, Romeri F, Mancon A, Micheli V		
EPI_ISL_486658	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Romeri F, Comandatore F, Mancon A, Micheli V, Rimoldi SG		
EPI_ISL_486659	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Micheli V, Comandatore F, Romeri F, Mancon A, Rimoldi SG		
EPI_ISL_486660	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Rimoldi SG, Comandatore F, Romeri F, Mancon A, Micheli V		
EPI_ISL_486661	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Romeri F, Comandatore F, Mancon A, Micheli V, Rimoldi SG		
EPI_ISL_486662	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Mancon A, Comandatore F, Romeri F, Micheli V, Rimoldi SG		
EPI_ISL_486663	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Micheli V, Comandatore F, Romeri F, Mancon A, Rimoldi SG		
EPI_ISL_486664	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Rimoldi SG, Comandatore F, Romeri F, Mancon A, Micheli V		
EPI_ISL_486665	Microbiology, Virology and Biemergency Laboratory- ASST FBF Sacco	Microbiology, Virology and Biemergency Laboratory-ASST FBF Sacco	Micheli V, Rimoldi SG, Comandatore F, Mancon A, Romeri F		
EPI_ISL_486666, EPI_ISL_486667, EPI_ISL_486668, EPI_ISL_48669, EPI_ISL_486670, EPI_ISL_486671, EPI_ISL_486672	Institute for Stem Cell Science and Regenerative Medicine	National Centre for Biological Sciences	Farhan Ali, Vanessa Molin Paynter, Srikar Krishna, Mohak Sharda, Shah-e-Jahan Gulzar, Awadhesh Pandit, Varadha Sundarmurthy, Uma Ramakrishnan, Dasaradhi Palakodeti, Aswin Seshasayee		
EPI_ISL_486673, EPI_ISL_486674	Institute for Stem Cell Science and Regenerative Medicine	National Centre for Biological Sciences	Farhan Ali, Vanessa Molin Paynter, Srikar Krishna, Mohak Sharda, Shah-e-Jahan Gulzar, Awadhesh Pandit, Varadha Sundarmurthy, Uma Ramakrishnan, Dasaradhi Palakodeti, Aswin Seshasayee		
EPI_ISL_486815, EPI_ISL_486816, EPI_ISL	_486817, EPI_ISL_486818, EPI_ISL_486819, EPI_ISL_48682	0, EPI_ISL_486821, EPI_ISL_486822, EPI_ISL_486	6823, EPI_SL_486824, EPI_SL_486825, EPI_SL_486826, EPI_SL_486827, EPI_SL_486828, EPI_SL_486829		
see above	Molecular diagnostic laboratory of Federal Budget Institution of Science "Central Research Institute of Epidemiology" of The Federal Service on Customers' Rights Protection and Human Well-being Surveillance	Group of Genomics and Postgenomic Technologies of Central Research Institute of Epidemilology	Speranskaya AS, Kaptelova VV, Valdokhina AV, Bulanenko VP, Samoilov AE, Korneenko EV, Tivanova EV, Shipulina OY, Akimkin VG		
EPI_ISL_486830, EPI_ISL_486831	Providence St. Joseph Health Molecular Genomics Laboratory	Providence St. Joseph Health Molecular Genomics Laboratory	Alexa K Dowdell, Brian D Piening, Fred L Robinson, Carlo B Bifulco, Mary Campbell		
EPI_ISL_486834	Suceava County Energency Hospital "Sf. loan cel Nou"	SMU Metagenomics lab	Lobiuc Andrei, Antoniadis Panagiotis		
EPI_ISL_486835, EPI_ISL_486836, EPI_ISL_486837, EPI_ISL_486838, EPI_ISL_486839, EPI_ISL_486840, EPI_ISL_486841	Institute for Stem Cell Science and Regenerative Medicine	National Centre for Biological Sciences	Farhan Ali, Vanessa Molin Paynter, Srikar Krishna, Mohak Sharda, Shah-e-Jahan Gulzar, Awadhesh Pandit, Varadha Sundarmurthy, Uma Ramakrishnan, Dasaradhi Palakodeti, Aswin Seshasayee		
EPI_ISL_486842, EPI_ISL_486843, EPI_ISL_486844	Institute of Microbiology, Universidad San Francisco de Quito	Institute of Microbiology, Universidad San Francisco de Quito	Belén Prado-Vivar, Sully Márquez, Juan José Guadalupe, Monica Becerra-Wong, Carla Torres, Bernardo Gutiérrez, Fausto Maldonado, Geovanny Carzola, Verónica Barragán, Patricio Rojas-Silva, Gabriel Trueba, Michelle Grunauer, Paúl Cárdenas		
EPI_ISL_486845, EPI_ISL_486846, EPI_ISL_486847, EPI_ISL_486848, EPI_ISL_486849, EPI_ISL_486850, EPI_ISL_486851	Institute of Microbiology, Universidad San Francisco de Quito	Institute of Microbiology, Universidad San Francisco de Quito	Belén Prado-Vivar, Sully Márquez, Juan José Guadalupe, Monica Becerra-Wong, Carla Torres, Bernardo Gutiérrez, Jonathan Araujo, Verónica Barragán, Patricio Rojas-Silva, Gabriel Trueba, Michelle Grunauer, Paúl Cárdenas		
EPI_ISL_486852	CDRI/SGPGI	CSIR-CDRI/SGPGI	Saumya Sarkar, Dharam Veer Singh, Rahul Vishvkarma, Ujjala Ghoshal, Uday Ghoshal, Ravishankar Ramachandran, Tapas Kumar Kundu, Rajender Singh		
EPI_ISL_486853	CSIR-CDRI/SGPGI	CSIR-CDRI/SGPGI	Saumya Sarkar, Dharam Veer Singh, Rahul Vishvkarma, Ujjala Ghoshal, Uday Ghoshal, Ravishankar Ramachandran, Tapas Kumar Kundu, Rajender Singh		

EPI\_ISL\_486857, EPI\_ISL\_486858, EPI\_ISL\_486859, EPI\_ISL\_486869, EPI\_ISL\_486860, EPI\_ISL\_486860, EPI\_ISL\_486860, EPI\_ISL\_486869, EPI\_ISL\_486869, EPI\_ISL\_486869, EPI\_ISL\_486869, EPI\_ISL\_486869, EPI\_ISL\_486869, EPI\_ISL\_486869, EPI\_ISL\_48687, EPI\_ISL\_486869, EPI\_ISL\_486869,

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