

Type of the Paper (Brief Report.)

Importation and early local transmission of COVID-19 Brazil, 2020

Jaqueline Goes de Jesus^{1*}, Claudio Sacchi^{2*}, Darlan da Silva Candido^{3*}, Ingra Morales Claro¹, Flávia Cristina Silva Sales¹, Erika Regina Manuli¹, Daniela Bernardes Borges da Silva⁴, Terezinha Maria de Paiva⁴, Margarete Aparecida Benega Pinho⁴, Katia Correa de Oliveira Santos⁴, Sarah Catherine Hill³, Renato Santana Aguiar⁵, Filipe Romero⁵, Fabiana Cristina Pereira dos Santos⁴, Claudia Gonçalves², Maria do Carmo Timenetsky⁴, Joshua Quick⁶, Julio Henrique Rosa Croda^{7,8,9}, Wanderson de Oliveira⁷, Andrew Rambaut¹⁰, Oliver G. Pybus³, Nicholas J. Loman⁶, Ester Cerdeira Sabino^{1*}, Nuno Rodrigues Faria^{1,3,11*#}

1. Instituto de Medicina Tropical, Universidade de São Paulo, Brazil.

2. Laboratório Estratégico, Instituto Adolfo Lutz, São Paulo, Brazil.

3. Department of Zoology, University of Oxford, United Kingdom.

4. Centro de Virologia, Instituto Adolfo Lutz, São Paulo, Brazil.

5. Universidade Federal do Rio de Janeiro, Brazil.

6. University of Birmingham, United Kingdom.

7. Secretaria de Vigilância em Saúde, Coordenação Geral de Laboratórios de Saúde Pública, Ministério da Saúde, Brasília-DF, Brazil.

8. Laboratório de Pesquisa em Ciências da Saúde, Universidade Federal da Grande Dourados, Dourados, Mato Grosso do Sul, Brazil.

9. Fundação Osvaldo Cruz Campo Grande, Mato Grosso do Sul, Brazil.

10. Institute of Evolutionary Biology, University of Edinburgh, United Kingdom.

11. Department of Infectious Disease Epidemiology, School of Public Health, Imperial College London

*Authors that contributed equally

Correspondence: nuno.faria@zoo.ox.ac.uk, +44 1865 81063

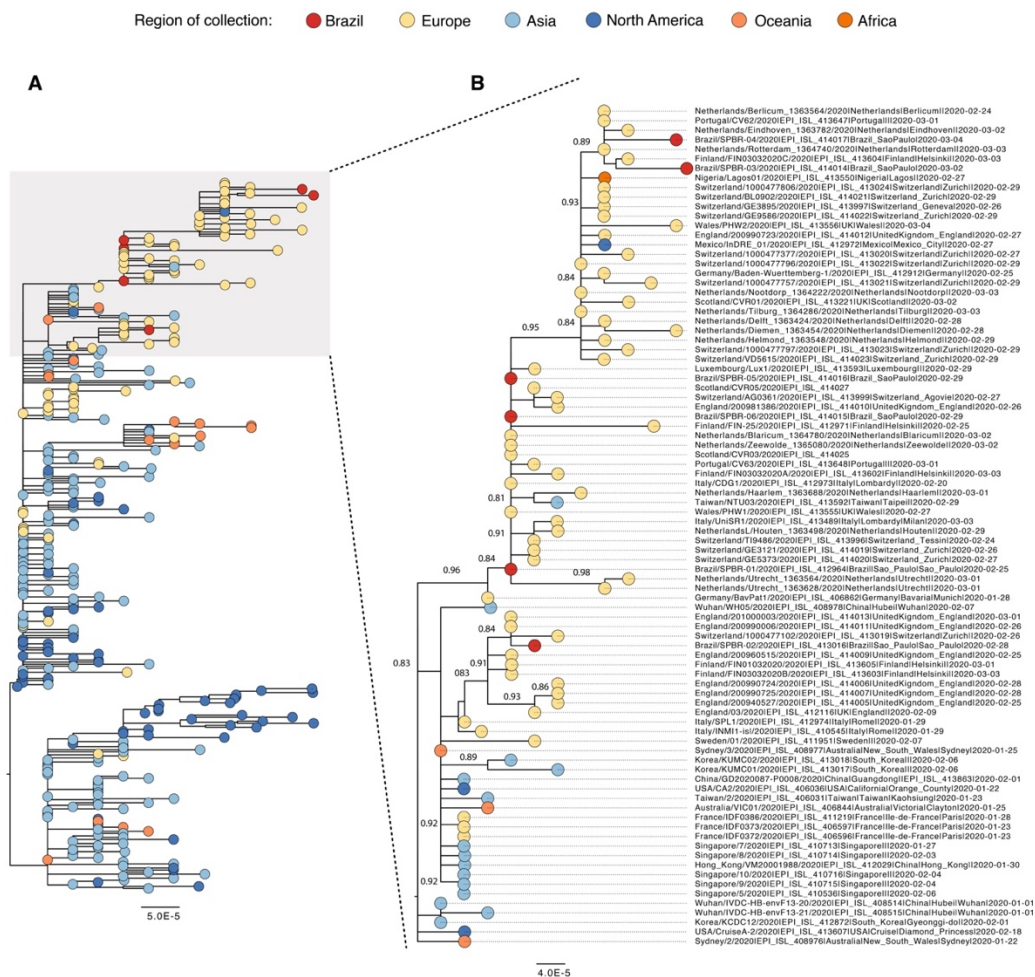


Figure S1. SARS-CoV-2 phylogeny of the first confirmed Brazilian cases. A) Global SARS-CoV-2 Maximum Likelihood phylogeny including the six first genomes from Brazil. The tree was estimated using all available sequences in GISAID database (n=347) as of the 10th of March 2020. Tips are coloured according to the location of collection. B) Expansion of the clades containing the six Brazilian SARS-CoV-2 genomes (n=88). Tips are coloured according to the location of collection and only approximate likelihood ratio node supports > 0.80 are shown. Tips were labelled according to sequence name, GISAID accession number, place and date of collection.

41 **Table S1.** Sequencing statistics for the Brazilian SARS-COV-2 genomes from this study.

Isolate	Mapped Reads	Average depth coverage	Bases covered >10x	Bases covered >25x	Reference covered (%)
SPBR1	552730	3622.14	29426	29106	96.8966
SPBR2	3461754	5117.28	29849	29845	99.5954

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Table S2. GISAID acknowledgment table. We gratefully acknowledge the authors, originating and submitting laboratories of the sequences from GISAID's EpiFlu™ Database on which this research is based. The list is detailed below. All submitters of data may be contacted directly via www.gisaid.org

Accession ID	Virus name	Location	Collection date	Originating lab	Submitting lab	Authors
EPI_ISL_414369	hCoV-19/USA/WA-UW21/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_414368	hCoV-19/USA/WA-UW20/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_414367	hCoV-19/USA/WA-UW19/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_414366	hCoV-19/USA/WA-UW18/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_414365	hCoV-19/USA/WA-UW17/2020	North America / USA / Washington	06/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger

EPI_ISL_414364	hCoV-19/USA/WA-UW16/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_414363	hCoV-19/USA/WA-UW15/2020	North America / USA / Washington	04/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_414044	hCoV-19/England/200690756/2020	Europe / United Kingdom / England	08/02/20	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Monica Galiano, Shahjahan Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon
EPI_ISL_414043	hCoV-19/England/200690306/2020	Europe / United Kingdom / England	07/02/20	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Monica Galiano, Shahjahan Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon

EPI_ISL_414042	hCoV-19/England/200690300/2020	Europe / United Kingdom / England	/ 08/02/20	Respiratory Virus	Respiratory Virus	Monica Galiano, Shahjahan Miah, Angie Lackenby,
				Unit, Microbiology Services Colindale, Public Health England	Unit, Microbiology Services Colindale, Public Health England	Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon
EPI_ISL_414041	hCoV-19/England/200690245/2020	Europe / United Kingdom / England	/ 08/02/20	Respiratory Virus	Respiratory Virus	Monica Galiano, Shahjahan Miah, Angie Lackenby,
				Unit, Microbiology Services Colindale, Public Health England	Unit, Microbiology Services Colindale, Public Health England	Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon
EPI_ISL_414040	hCoV-19/England/200641094/2020	Europe / United Kingdom / England	/ 05/02/20	Respiratory Virus	Respiratory Virus	Monica Galiano, Shahjahan Miah, Angie Lackenby,
				Unit, Microbiology Services Colindale, Public Health England	Unit, Microbiology Services Colindale, Public Health England	Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon

EPI_ISL_414027	hCoV-19/Scotland/CVR 05/2020	Europe / United Kingdom / Scotland	04/03/20	West of Scotland Specialist Virology Centre, NHSGGC	MRC-University of Glasgow Centre for Virus Research	Emma Thomson, Antonia Ho
EPI_ISL_414026	hCoV-19/Scotland/CVR 04/2020	Europe / United Kingdom / Scotland	04/03/20	West of Scotland Specialist Virology Centre, NHSGGC	MRC-University of Glasgow Centre for Virus Research	Emma Thomson, Antonia Ho
EPI_ISL_414025	hCoV-19/Scotland/CVR 03/2020	Europe / United Kingdom / Scotland	01/03/20	West of Scotland Specialist Virology Centre, NHSGGC	MRC-University of Glasgow Centre for Virus Research	Emma Thomson, Antonia Ho
EPI_ISL_414024	hCoV-19/Scotland/CVR 02/2020	Europe / United Kingdom / Scotland	02/03/20	West of Scotland Specialist Virology Centre, NHSGGC	MRC-University of Glasgow Centre for Virus Research	Emma Thomson, Antonia Ho
EPI_ISL_414023	hCoV-19/Switzerland/V D5615/2020	Europe / Switzerland / Vaud	01/03/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.
EPI_ISL_414022	hCoV-19/Switzerland/G E9586/2020	Europe / Switzerland / Geneva	27/02/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.
EPI_ISL_414021	hCoV-19/Switzerland/B L0902/2020	Europe / Switzerland / Basel	27/02/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.

EPI_ISL_414020	hCoV-19/Switzerland/G E5373/2020	Europe Switzerland Geneva	/	27/02/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.
EPI_ISL_414019	hCoV-19/Switzerland/G E3121/2020	Europe Switzerland Geneva	/	27/02/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.
EPI_ISL_414017	hCoV-19/Brazil/SPBR- 04/2020	South America Brazil / Sao Paulo	/	04/03/20	Hospital Joaquim Beneficencia Portuguesa	São Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory	Claudio Tavares Sacchi, Claudia Regina Gonçalves, Fabiana Cristina Pereira dos Santos, Carlos Henrique Camargo, Maria do Carmo Sampaio Tavares Timenetsky, Daniela Bernardes Borges da Silva, Terezinha Maria de Paiva, Ester Cerdeira Sabino
EPI_ISL_414016	hCoV-19/Brazil/SPBR- 05/2020	South America Brazil / Sao Paulo Sao Paulo	/	29/02/20	Hospital Joaquim Beneficencia Portuguesa	São Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory	Claudio Tavares Sacchi, Claudia Regina Gonçalves, Audrey Cilli, Carlos Henrique Camargo, Maria do Carmo Sampaio Tavares Timenetsky, Daniela Bernardes Borges da

				Silva, Terezinha Maria de Paiva, Ester Cerdeira Sabino	
				Claudio Tavares Sacchi, Claudia Regina Gonçalves, SimoneGuadagnucci Morillo, Carlos Henrique Camargo, Maria do Carmo Sampaio Tavares Timenetsky, Fabiana Cristina Pereira dos Santos Terezinha Maria de Paiva, Ester Cerdeira Sabino	
EPI_ISL_414015	hCoV-19/Brazil/SPBR-06/2020	South America / Brazil / Sao Paulo / Sao Paulo	29/02/20	Hospital Joaquim Beneficencia Portuguesa	São Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory
				Claudio Tavares Sacchi, Claudia Regina Gonçalves, Katia Correia dos Santos, Carlos Henrique Camargo, Maria do Carmo Sampaio Tavares Timenetsky, Terezinha Maria de Paiva, Ester Cerdeira Sabino	
EPI_ISL_414014	hCoV-19/Brazil/SPBR-03/2020	South America / Brazil / Sao Paulo	02/03/20	Hospital Israelita Albert Einstein	Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory
EPI_ISL_414013	hCoV-19/England/20100003/2020	Europe / United Kingdom / England	01/03/20	Respiratory Virus Unit, Microbiology Services	Respiratory Virus Unit, Microbiology Services Colindale, Monica Galiano, Shahjahan Miah, Angie Lackenby, Omolola Akinbami, Tiina

				Public England	Health	Public England	Health	Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon
								Monica Galiano, Shahjahan
				Respiratory Unit, Microbiology Services	Virus Colindale, Health	Respiratory Unit, Microbiology Services	Virus Colindale, Health	Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon
EPI_ISL_414012	hCoV- 19/England/2009 90723/2020	Europe / United Kingdom / England	27/02/20					
								Monica Galiano, Shahjahan
				Respiratory Unit, Microbiology Services	Virus Colindale, Health	Respiratory Unit, Microbiology Services	Virus Colindale, Health	Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon
EPI_ISL_414011	hCoV- 19/England/2009 90006/2020	Europe / United Kingdom / England	26/02/20					
								Monica Galiano, Shahjahan
				Respiratory Unit, Microbiology Services	Virus Colindale, Health	Respiratory Unit, Microbiology Services	Virus Colindale, Health	Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon
EPI_ISL_414010	hCoV- 19/England/2009 81386/2020	Europe / United Kingdom / England	26/02/20					
								Monica Galiano, Shahjahan
				Respiratory Unit, Microbiology Services	Virus Colindale, Health	Respiratory Unit, Microbiology Services	Virus Colindale, Health	Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard

				Public England	Health	Public England	Health	Myers, Steven Edwards, Jonathan Joanna Ellis, Maria Zambon	Platt, Kirstin Hubb,
								Monica Galiano, Shahjahan	
	hCoV-	Europe / United		Respiratory	Virus	Respiratory	Virus	Miah, Angie Lackenby,	
EPI_ISL_414009	19/England/2009	Kingdom / 25/02/20		Unit, Microbiology	Unit, Microbiology	Services Colindale,	Services Colindale,	Omolola Akinbami, Tiina	
	60515/2020	England		Public Health	Public Health	England	England	Talts, Leena Bhaw, Richard	
				England		England		Myers, Steven Platt, Kirstin	
								Edwards, Jonathan Hubb,	
								Joanna Ellis, Maria Zambon	
								Monica Galiano, Shahjahan	
	hCoV-	Europe / United		Respiratory	Virus	Respiratory	Virus	Miah, Angie Lackenby,	
EPI_ISL_414008	19/England/2009	Kingdom / 27/02/20		Unit, Microbiology	Unit, Microbiology	Services Colindale,	Services Colindale,	Omolola Akinbami, Tiina	
	60041/2020	England		Public Health	Public Health	England	England	Talts, Leena Bhaw, Richard	
				England		England		Myers, Steven Platt, Kirstin	
								Edwards, Jonathan Hubb,	
								Joanna Ellis, Maria Zambon	
	hCoV-	Europe / United		Respiratory	Virus	Respiratory	Virus	Monica Galiano, Shahjahan	
EPI_ISL_414007	19/England/2009	Kingdom / 28/02/20		Unit, Microbiology	Unit, Microbiology	Services Colindale,	Services Colindale,	Miah, Angie Lackenby,	
	90725/2020	England		Public Health	Public Health	England	England	Omolola Akinbami, Tiina	
				England		England		Talts, Leena Bhaw, Richard	
								Myers, Steven Platt, Kirstin	

				Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon			
				Monica Galiano, Shahjahan			
EPI_ISL_414006	hCoV-19/England/2009	Europe / United Kingdom	/ 28/02/20	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon	
	90724/2020	England					
				Monica Galiano, Shahjahan			
EPI_ISL_414005	hCoV-19/England/2009	Europe / United Kingdom	/ 25/02/20	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon	
	40527/2020	England					
EPI_ISL_413999	hCoV-19/Switzerland/A	Europe / Switzerland	/ 27/02/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.	
	G0361/2020	Argovie					
EPI_ISL_413997	hCoV-19/Switzerland/G	Europe / Switzerland	/ 26/02/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.	
	E3895/2020	Geneva					

EPI_ISL_413996	hCoV-19/Switzerland/TI9486/2020	Europe / Switzerland / Tessin	24/02/20	Laboratoire de Virologie, HUG	Swiss National Reference Centre for Influenza	LAUBSCHER Florian et al.
EPI_ISL_413931	hCoV-19/USA/UC-CDPH-UC11/2020	North America / USA / California / San Francisco	05/03/20	California Department of Public Health	Chiu Laboratory UCSF-Abbott Diagnostics and Discovery University of California, Francisco	Xianding Deng, Scot Federman, Guixia Yu, Chao-Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez, Allan Gopez, Wei Gu, Steve Miller, Debra A. Wadford, and Charles Y. Chiu
EPI_ISL_413889	hCoV-19/Guangdong/2020XN4291-P0038/2020	Asia / China / Guangdong	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno

						Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413888	hCoV-19/Guangdong/2020XN4239-P0034/2020	Asia / China / Guangdong	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
	hCoV-19/Guangdong/G	Asia / China / Guangdong	01/02/20	Guangdong Provincial	Guangdong Provincial	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah

D2020115-P0009/2020			Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Institution of Public Health	François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413883	hCoV-19/Guangdong/G	Asia / China / Guangdong	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah
	D2020134-P0031/2020	02/02/20			François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng,

				Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke	
				Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun	
EPI_ISL_413882	hCoV-19/Guangdong/Guangdong	Asia / China / Guangdong	02/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health

					Ma, Nick Loman, Oliver Pybus, Changwen Ke
					Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413875	hCoV-19/Guangdong/GDFS2020052-P0025/2020	Asia / China / Guangdong	10/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health
EPI_ISL_413874	hCoV-19/Guangdong/GDFS2020127-P0026/2020	Asia / China / Guangdong	12/02/20	Guangdong Provincial Institution of Public Health, Guangdong	Guangdong Provincial Institution of Public Health

				Provincial Center for Disease Control and Prevention		Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413873	hCoV- 19/Guangdong/G Z-S6-P0050/2020	Asia / China / Guangdong	28/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su,

				Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke	
EPI_ISL_413872	hCoV-19/Guangdong/SZ-N59-P0049/2020	Asia / China / Guangdong	28/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
				Guangdong Provincial Institution of Public Health	

EPI_ISL_413871	hCoV-19/Guangdong/MM-S1-P0048/2020	Asia / China / Guangdong	28/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
	hCoV-19/Guangdong/F S-S48-P0047/2020	Asia / China / Guangdong	28/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou,

			Disease Control and Prevention	Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
				Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou,
EPI_ISL_413869	hCoV-19/Guangdong/F S-S42-P0046/2020	Asia / China / Guangdong	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health
				Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno

						Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
						Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413868	hCoV-19/Guangdong/DG-S9-P0045/2020	Asia / China / Guangdong	28/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	
EPI_ISL_413867	hCoV-19/Guangdong/G	Asia / China / Guangdong	05/02/20	Guangdong Provincial	Guangdong Provincial	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah

DSZ202015-P0019/2020			Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Institution of Public Health	François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413866	hCoV-19/Guangdong/G	Asia / China / Guangdong	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah
	DSZ202008-P0020/2020	05/02/20			François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng,

				Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
				Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun
EPI_ISL_413864	hCoV-19/Guangdong/Guangdong	Asia / China / Guangdong	09/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention
				Guangdong Provincial Institution of Public Health

					Ma, Nick Loman, Oliver Pybus, Changwen Ke
					Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413863	hCoV-19/Guangdong/GD2020087-P0008/2020	Asia / China / Guangdong	01/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health
EPI_ISL_413862	hCoV-19/Guangdong/GD2020086-P0021/2020	Asia / China / Guangdong	01/02/20	Guangdong Provincial Institution of Public Health, Guangdong	Guangdong Provincial Institution of Public Health

			Provincial Center for Disease Control and Prevention	Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
			Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su,
EPI_ISL_413861	hCoV- 19/Guangdong/G D2020080- P0010/2020	Asia / China / Guangdong 01/02/20		

				Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke	
EPI_ISL_413860	hCoV-19/Guangdong/2020XN4273-P0036/2020	Asia / China / Guangdong	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
				Guangdong Provincial Institution of Public Health	

EPI_ISL_413859	hCoV-19/Guangdong/2020XN4276-P0037/2020	Asia / China / Guangdong	31/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413858	hCoV-19/Guangdong/2020XN4459-P0041/2020	Asia / China / Guangdong	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou,

				Disease Control and Prevention		Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
						Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou,
EPI_ISL_413857	hCoV- 19/Guangdong/2 020XN4448- P0002/2020	Asia / China / Guangdong	31/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno

						Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413856	hCoV-19/Guangdong/GD2020233-P0027/2020	Asia / China / Guangdong	07/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413855	hCoV-19/Guangdong/G	Asia / China / Guangdong	07/02/20	Guangdong Provincial	Guangdong Provincial	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah

D2020234-P0023/2020			Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Institution of Public Health	François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413854	hCoV-19/Guangdong/2020XN4475-P0042/2020	Asia / China / Guangdong	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng,
		30/01/20			

				Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke	
				Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun	
EPI_ISL_413853	hCoV-19/Guangdong/2020XN4243-P0035/2020	Asia / China / Guangdong	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health

					Ma, Nick Loman, Oliver Pybus, Changwen Ke
					Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
EPI_ISL_413852	hCoV-19/Guangdong/2020XN4433-P0040/2020	Asia / China / Guangdong	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health
EPI_ISL_413851	hCoV-19/Guangdong/2020XN4373-P0039/2020	Asia / China / Guangdong	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong	Guangdong Provincial Institution of Public Health

			Provincial Center for Disease Control and Prevention	Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su, Kuibiao Li, Ruilin Sun, Ru bai, Xi Tang, Minfeng Liang, Nuno Faria, Josh Quick, Andrew Rambaut, Verity Hill, Wenjun Ma, Nick Loman, Oliver Pybus, Changwen Ke
			Guangdong Provincial Institution of Public Health, Guangdong Provincial Center for Disease Control and Prevention	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz Kraemer, Jingju Peng, Qianlin Xiong, Runyu Yuan, Lilian Zeng, Pingping Zhou, Chuming Liang, Tao Liu, Wei Li, Juan Su, Huanying Zheng, Kang Min, Song Tie, Bo Peng, Shisong Fang, Wenzhe Su,
EPI_ISL_413850	hCoV- 19/Guangdong/G Asia / China / DFS2020054- Guangdong P0005/2020	10/02/20		

Kuibiao Li, Ruilin Sun, Ru bai,
Xi Tang, Minfeng Liang, Nuno
Faria, Josh Quick, Andrew
Rambaut, Verity Hill, Wenjun
Ma, Nick Loman, Oliver
Pybus, Changwen Ke

EPI_ISL_413809	hCoV-19/China/WF002 9/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413791	hCoV-19/China/WF002 8/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li

EPI_ISL_413761	hCoV-19/China/WF002 6/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413753	hCoV-19/China/WF002 4/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413752	hCoV-19/China/WF002 3/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li

EPI_ISL_413751	hCoV-19/China/WF002 1/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413750	hCoV-19/China/WF002 0/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413749	hCoV-19/China/WF001 9/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li

EPI_ISL_413748	hCoV-19/China/WF001 8/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413746	hCoV-19/China/WF001 6/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413729	hCoV-19/China/WF001 5/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li

EPI_ISL_413711	hCoV-19/China/WF001 4/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413697	hCoV-19/China/WF001 2/2020	Asia / China	2020-02	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413694	hCoV-19/China/WF000 4/2020	Asia / China	2020-01	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI- Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li

EPI_ISL_413693	hCoV-19/China/WF0003/2020	Asia / China	2020-01	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI-Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413692	hCoV-19/China/WF0002/2020	Asia / China	2020-01	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI-Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li
EPI_ISL_413691	hCoV-19/China/WF0001/2020	Asia / China	2020-01	Weifang Center for Disease Control and Prevention	Weifang Center for Disease Control and Prevention & BGI-Shenzhen	Qing Nie, Xingguang Li, Erik M Volz, Han Fu, Haowei Wang, Xiaoyue Xi, Wei Chen, Dehui Liu, Yingying Chen, Mengmeng Tian, Wei Tan, Junjie Zai, Wanying Sun, Jiandong Li, Junhua Li

EPI_ISL_413653	hCoV-19/USA/WA18-UW14/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413652	hCoV-19/USA/WA17-UW13/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413651	hCoV-19/USA/WA16-UW12/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413650	hCoV-19/USA/WA15-UW11/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413649	hCoV-19/USA/WA14-UW10/2020	North America / USA / Washington	05/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413648	hCoV-19/Portugal/CV6 3/2020	Europe / Portugal	01/03/20	Centro Hospitalar e Universitário de Sao Joao, Porto	Instituto Nacional de Saude (INSA)	Raquel Guiomar, Inês Costa, Pedro Pechirra, Joana Mendonça, Luís Vieira, João Tiago Guimarães, Joana Isidro, Vítor Borges, João Paulo Gomes

EPI_ISL_413647	hCoV-19/Portugal/CV6 2/2020	Europe / Portugal	01/03/20	Centro Hospital do Porto, E.P.E. - H. Geral de Santo Antonio	Instituto Nacional de Saude (INSA)	Raquel Guiomar, Inês Costa, Pedro Pechirra, Joana Mendonça, Luís Vieira, Helena Ramos, Joana Isidro, Vítor Borges, João Paulo Gomes
EPI_ISL_413623	hCoV-19/USA/CruiseA-18/2020	North America / USA	24/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases Control and Prevention	Clinton R. Paden, Ying Tao, Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Haibin Wang, Shifaq Kamili, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413622	hCoV-19/USA/CruiseA-17/2020	North America / USA	24/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases	Clinton R. Paden, Ying Tao, Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Haibin Wang, Shifaq Kamili, Xiaoyan Lu, Brian Lynch, Senthil

						Control Prevention	and Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
							Clinton R. Paden, Ying Tao, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413621	hCoV-19/USA/CruiseA-16/2020	North America / USA	18/02/20	unknown			
EPI_ISL_413620	hCoV-19/USA/CruiseA-15/2020	North America / USA	18/02/20	unknown			Pathogen Discovery, Clinton R. Paden, Ying Tao, Respiratory Viruses Krista Queen, Anna Uehara, Branch, Division of Jing Zhang, Yan Li, Haibin Viral Diseases, Wang, Shifaq Kamili, Xiaoyan Centers for Diseases Lu, Brian Lynch, Senthil

						Control and Prevention	Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
							Clinton R. Paden, Ying Tao, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413619	hCoV-19/USA/CruiseA-14/2020	North America / USA	25/02/20	unknown			Clinton R. Paden, Ying Tao, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413618	hCoV-19/USA/CruiseA-13/2020	North America / USA	20/02/20	unknown			Pathogen Discovery, Clinton R. Paden, Ying Tao, Respiratory Viruses Krista Queen, Anna Uehara, Branch, Division of Jing Zhang, Yan Li, Haibin Viral Diseases, Wang, Shifaq Kamili, Xiaoyan Centers for Diseases Lu, Brian Lynch, Senthil

						Control Prevention	and Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
							Ying Tao, Clinton R. Paden, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413617	hCoV-19/USA/CruiseA-12/2020	North America / USA	20/02/20	unknown			Ying Tao, Clinton R. Paden, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413616	hCoV-19/USA/CruiseA-11/2020	North America / USA	17/02/20	unknown			Pathogen Discovery, Ying Tao, Clinton R. Paden, Respiratory Viruses Krista Queen, Anna Uehara, Branch, Division of Jing Zhang, Yan Li, Haibin Viral Diseases, Wang, Shifaq Kamili, Xiaoyan Centers for Diseases Lu, Brian Lynch, Senthil

						Control Prevention	and Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
							Ying Tao, Clinton R. Paden, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413615	hCoV-19/USA/CruiseA-10/2020	North America / USA	17/02/20	unknown			Ying Tao, Clinton R. Paden, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413614	hCoV-19/USA/CruiseA-9/2020	North America / USA	17/02/20	unknown			Pathogen Discovery, Ying Tao, Clinton R. Paden, Respiratory Viruses Krista Queen, Anna Uehara, Branch, Division of Jing Zhang, Yan Li, Haibin Viral Diseases, Wang, Shifaq Kamili, Xiaoyan Centers for Diseases Lu, Brian Lynch, Senthil

						Control and Prevention	Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
							Ying Tao, Clinton R. Paden, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413613	hCoV-19/USA/CruiseA-8/2020	North America / USA	17/02/20	unknown			Ying Tao, Clinton R. Paden, Krista Queen, Anna Uehara, Pathogen Discovery, Jing Zhang, Yan Li, Haibin Respiratory Viruses Wang, Shifaq Kamili, Xiaoyan Branch, Division of Lu, Brian Lynch, Senthil Viral Diseases, Kumar K. Sakthivel, Brett L. Centers for Diseases Whitaker, Lijuan Wang, Janna' Control and R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413612	hCoV-19/USA/CruiseA-7/2020	North America / USA	17/02/20	unknown			Pathogen Discovery, Ying Tao, Clinton R. Paden, Respiratory Viruses Krista Queen, Anna Uehara, Branch, Division of Jing Zhang, Yan Li, Haibin Viral Diseases, Wang, Shifaq Kamili, Xiaoyan Centers for Diseases Lu, Brian Lynch, Senthil

					Control and Prevention	Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_413611	hCoV-19/USA/CruiseA-6/2020	North America / USA	21/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Anna Uehara, Ying Tao, Clinton R. Paden, Krista Queen, Jing Zhang, Yan Li, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Jasmine Padilla, Justin Lee, Christopher A. Elkins, Susan I. Gerber, Suxiang Tong
EPI_ISL_413610	hCoV-19/USA/CruiseA-5/2020	North America / USA	21/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Anna Uehara, Ying Tao, Clinton R. Paden, Krista Queen, Jing Zhang, Yan Li, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Jasmine Padilla, Justin Lee, Christopher A. Elkins, Susan I. Gerber, Suxiang Tong

EPI_ISL_413609	hCoV-19/USA/CruiseA-4/2020	North America / USA	21/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Anna Uehara, Ying Tao, Clinton R. Paden, Krista Queen, Jing Zhang, Yan Li, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Jasmine Padilla, Justin Lee, Christopher A. Elkins, Susan I. Gerber, Suxiang Tong
EPI_ISL_413608	hCoV-19/USA/CruiseA-3/2020	North America / USA	18/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Anna Uehara, Ying Tao, Clinton R. Paden, Krista Queen, Jing Zhang, Yan Li, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Jasmine Padilla, Justin Lee, Christopher A. Elkins, Susan I. Gerber, Suxiang Tong
EPI_ISL_413607	hCoV-19/USA/CruiseA-2/2020	North America / USA	18/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases	Anna Uehara, Ying Tao, Clinton R. Paden, Krista Queen, Jing Zhang, Yan Li, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Jasmine Padilla, Justin Lee,

					Control and Prevention	Christopher A. Elkins, Susan I. Gerber, Suxiang Tong
EPI_ISL_413606	hCoV-19/USA/CruiseA-1/2020	North America / USA	17/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Anna Uehara, Ying Tao, Clinton R. Paden, Krista Queen, Jing Zhang, Yan Li, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Jasmine Padilla, Justin Lee, Christopher A. Elkins, Susan I. Gerber, Suxiang Tong
EPI_ISL_413605	hCoV-19/Finland/FIN01032020/2020	Europe / Finland / Helsinki	01/03/20	Department of Virology and Immunology, University of Helsinki Helsinki University Hospital, Finland	Department of Virology, Faculty of Medicine, and University of Helsinki, Helsinki, Huslab Finland	Teemu Smura, Hannimari Kallio-Kokko, Olli Vapalahti
EPI_ISL_413604	hCoV-19/Finland/FIN03032020C/2020	Europe / Finland / Helsinki	03/03/20	Department of Virology and Immunology, University of	Department of Virology, Faculty of Medicine, University of	Teemu Smura, Hannimari Kallio-Kokko, Olli Vapalahti

				Helsinki and Helsinki, Helsinki, Helsinki University Finland Hospital, Huslab Finland
				Department of Virology and Department of Immunology, Virology, Faculty of University of Medicine, Teemu Smura, Hannimari Helsinki and University of Kallio-Kokko, Olli Vapalahti Helsinki University Helsinki, Helsinki, Hospital, Huslab Finland Finland
EPI_ISL_413603	hCoV-19/Finland/FIN03032020B/2020	Europe / Finland / Helsinki	03/03/20	
EPI_ISL_413602	hCoV-19/Finland/FIN03032020A/2020	Europe / Finland / Helsinki	03/03/20	
				Department of Virology and Department of Immunology, Virology, Faculty of University of Medicine, Teemu Smura, Hannimari Helsinki and University of Kallio-Kokko, Olli Vapalahti Helsinki University Helsinki, Helsinki, Hospital, Huslab Finland Finland

EPI_ISL_413601	hCoV-19/USA/WA13-UW9/2020	North America / USA / Washington	02/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413600	hCoV-19/Australia/NSW14/2020	Oceania / Australia / NSW / Sydney	03/03/20	Centre for Infectious Diseases and Microbiology Public Health	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA
EPI_ISL_413599	hCoV-19/Australia/NSW13/2020	Oceania / Australia / NSW / Sydney	04/03/20	Centre for Infectious Diseases and Microbiology Public Health	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA
EPI_ISL_413598	hCoV-19/Australia/NSW12/2020	Oceania / Australia / NSW / Sydney	04/03/20	Centre for Infectious Diseases and Microbiology Public Health	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA
EPI_ISL_413597	hCoV-19/Australia/NSW11/2020	Oceania / Australia / NSW / Sydney	02/03/20	Centre for Infectious Diseases and Microbiology Public Health	NSW Health Pathology - Institute of Clinical Pathology	NA

					and Research	Medical	
EPI_ISL_413596	hCoV-19/Australia/NSW10/2020	Oceania / Australia / NSW / Sydney	28/02/20	Centre for Infectious Diseases and Microbiology Public Health	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA	
EPI_ISL_413595	hCoV-19/Australia/NSW09/2020	Oceania / Australia / NSW / Sydney	28/02/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA	
EPI_ISL_413594	hCoV-19/Australia/NSW08/2020	Oceania / Australia / NSW / Sydney	28/02/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA	
EPI_ISL_413593	hCoV-19/Luxembourg/Lux1/2020	Europe / Luxembourg	29/02/20	Laboratoire National de Santé	Erasmus Medical Center	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der	

Linden, Mark Pronk, Pascal Lexmond, T. Abdelrahman, G. Fournier, J. Mossong, T. Nguyen, Jeroen van Kampen, Jolanda Voermans, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413592	hCoV-19/Taiwan/NTU03/2020	Asia / Taiwan / Taipei	02/03/20	Department of Laboratory Medicine, National Taiwan University Hospital	Microbial Genomics Core Lab, National Taiwan University Centers of Genomic and Precision Medicine	Shiou-Hwei Yeh, You-Yu Lin, Ya-Yun Lai, Chiao-Ling Li, Shan-Chwen Chang, Pei-Jer Chen, Sui-Yuan Chang
EPI_ISL_413591	hCoV-19/Netherlands/Zeewolde_1365080/2020	Europe / Netherlands / Zeewolde	/ 02/03/20	MHC Flevoland	Erasmus Medical Center	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der

Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413590	hCoV-19/Netherlands/Utrecht_1364066/2020	Europe Netherlands Utrecht	/	02/03/20	MHC Utrecht	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra
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Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel,

EPI_ISL_413589	hCoV-19/Netherlands/Utrecht_1363628/2020	Europe Netherlands Utrecht	/	01/03/20	MHC Utrecht	Erasmus Center	Medical
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Annemiek van der Eijk,
Richard Molenkamp, Marion
Koopmans, on behalf of the
Dutch national COVID-19
response team.

David Nieuwenhuijse, Bas
Oude Munnink, Reina
Sikkema, Claudia
Schapendonk, Irina
Chestakova, Anne van der
Linden, Mark Pronk, Pascal
Lexmond, Corien Swaan,
Manon Haverkate, Madelief
Mollers, Mart Stein, Sandra
Kengne Kamga Mobou, Jeroen
van Kampen, Jolanda
Voermans, Aura Timen,
Corine GeurtsvanKessel,
Annemiek van der Eijk,
Richard Molenkamp, Marion
Koopmans, on behalf of the

EPI_ISL_413588	hCoV- 19/Netherlands/ Utrecht_1363564/ 2020	Europe Netherlands Utrecht	/	/ 01/03/20	MHC Utrecht
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Dutch national COVID-19 response team.

David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413587
hCoV-19/Netherlands/Tilburg_1364286/2020
Europe
Netherlands
Tilburg
/
/
03/03/20

Foundation
Elisabeth-
Tweesteden
Ziekenhuis

Erasmus
Medical
Center

EPI_ISL_413586	hCoV-19/Netherlands/Tilburg_1363354/2020	Europe Netherlands Tilburg	/ 27/02/20	Foundation Elisabeth- Tweesteden Ziekenhuis	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.
EPI_ISL_413585	hCoV-19/Netherlands/Tilburg_/2020	Europe Netherlands Tilburg	/ 2020	unknown	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina

Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413584	hCoV-19/Netherlands/Rotterdam_1364740/2020	Europe Netherlands Rotterdam	/	03/03/20	unknown	Erasmus Medical Center	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief
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Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413583	hCoV-19/Netherlands/Rotterdam_13640/2020	Europe Netherlands Rotterdam	/	MHC Rijnmond	Rotterdam- Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen,
			/ 02/03/20				

Corine GeurtsvanKessel,
Annemiek van der Eijk,
Richard Molenkamp, Marion
Koopmans, on behalf of the
Dutch national COVID-19
response team.

David Nieuwenhuijse, Bas
Oude Munnink, Reina
Sikkema, Claudia
Schapendonk, Irina
Chestakova, Anne van der
Linden, Mark Pronk, Pascal
Lexmond, Corien Swaan,
Manon Haverkate, Madelief
Mollers, Mart Stein, Sandra
Kengne Kamga Mobou, Jeroen
van Kampen, Jolanda
Voermans, Aura Timen,
Corine GeurtsvanKessel,
Annemiek van der Eijk,
Richard Molenkamp, Marion
Koopmans, on behalf of the

EPI_ISL_413582
hCoV-
19/Netherlands/
Rotterdam_13637
90/2020
Europe
Netherlands
Rotterdam
/
/ 01/03/20

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Dutch national COVID-19 response team.

David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413581 hCoV-19/Netherlands/ Europe / 29/02/20 RIVM
Oss_1363500/202 Netherlands / Oss
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Erasmus Medical Center

EPI_ISL_413580	hCoV-19/Netherlands/Oisterwijk_13640 72/2020	Europe Netherlands Oisterwijk	/	02/03/20	MHC Hart voor Erasmus Brabant Center	Medical Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.
EPI_ISL_413579	hCoV-19/Netherlands/Nootdorp_13642 22/2020	Europe Netherlands Nootdorp	/	03/03/20	MHC Haaglanden Erasmus Center	Medical David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina

Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413578	hCoV-19/Netherlands/Nieuwendijk_1363582/2020	Europe Netherlands Nieuwendijk	/	/ 01/03/20	ErasmusMC	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief
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Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413577	hCoV-19/Netherlands/Naarden_136477	Europe Netherlands Naarden	/	MHC Gooi & Vechtstreek	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der
	4/2020		/ 02/03/20				Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen,

Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the

EPI_ISL_413576 hCoV-19/Netherlands/Loon_op_zand_1363512/2020 Europe / Netherlands / Loon op zand 29/02/20 RIVM

Erasmus Medical Center

						Dutch national COVID-19 response team.	
						David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.	
EPI_ISL_413575	hCoV-19/NetherlandsL/Houten_1363498/2020	Europe Netherlands Houten	/ / 29/02/20	RIVM	Erasmus Medical Center		

EPI_ISL_413574	hCoV-19/Netherlands/Helmond_136354 8/2020	Europe Netherlands Helmond	/	29/02/20	MHC West-Brabant	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.
EPI_ISL_413573	hCoV-19/Netherlands/Hardinxveld_Gie	Europe Netherlands Hardinxveld Giessendam	/	02/03/20	Dienst Gezondheid & Jeugd Zuid-Holland Zuid	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina

ssendam_136480

6/2020

Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413572	hCoV-19/Netherlands/Haarlem_136368 8/2020	Europe Netherlands Haarlem	/ / 01/03/20	MHC Kennemerland	Erasmus Center	Medical David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief
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Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen,

EPI_ISL_413571 hCoV-19/Netherlands/Eindhoven_136378
2/2020 Europe Netherlands Eindhoven / / 02/03/20

MHC Brabant Erasmus
Zuidoost Center

Medical

Corine GeurtsvanKessel,
Annemiek van der Eijk,
Richard Molenkamp, Marion
Koopmans, on behalf of the
Dutch national COVID-19
response team.

David Nieuwenhuijse, Bas
Oude Munnink, Reina
Sikkema, Claudia
Schapendonk, Irina
Chestakova, Anne van der
Linden, Mark Pronk, Pascal
Lexmond, Corien Swaan,
Manon Haverkate, Madelief
Mollers, Mart Stein, Sandra
Kengne Kamga Mobou, Jeroen
van Kampen, Jolanda
Voermans, Aura Timen,
Corine GeurtsvanKessel,
Annemiek van der Eijk,
Richard Molenkamp, Marion
Koopmans, on behalf of the

EPI_ISL_413570
hCoV-
19/Netherlands/
Diemen_1363454
/2020
Europe
Netherlands
Diemen
/
/ 28/02/20
RIVM

Erasmus
Center
Medical

						Dutch national COVID-19 response team.	
						David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief	
EPI_ISL_413569	hCoV-19/Netherlands/ Delft_1363424/2020	Europe / Netherlands / Delft	28/02/20	RIVM	Erasmus Medical Center	Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.	

EPI_ISL_413568	hCoV-19/Netherlands/Dalen_1363624/2020	Europe Netherlands Dalen	/	01/03/20	MHC Drente	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.
EPI_ISL_413567	hCoV-19/Netherlands/Coevorden_1363618/2020	Europe Netherlands Coevorden	/	2020	Unknown	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina

Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

EPI_ISL_413566	hCoV-19/Netherlands/Blaricum_1364780/2020	Europe Netherlands Blaricum	/	/ 02/03/20	MHC Gooi & Vechtstreek	Erasmus Center	Medical	David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief
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						Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.
						David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der
EPI_ISL_413565	hCoV-19/Netherlands/Berlicum_1363564/2020	Europe Netherlands Berlicum	/ / 24/02/20	Foundation Pamm	Erasmus Medical Center	Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen,

Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen van Kampen, Jolanda Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the

EPI_ISL_413564 hCoV-19/Netherlands/Andel_1365066/2020 Europe Netherlands Andel / / 01/03/20

MHC West-Brabant

Erasmus Medical Center

						Dutch national COVID-19 response team.
EPI_ISL_413563	hCoV-19/USA/WA12-UW8/2020	North America / USA / Washington	03/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413562	hCoV-19/USA/WA11-UW7/2020	North America / USA / Washington	02/03/20	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413561	hCoV-19/USA/CA-CDPH-UC4/2020	North America / USA / California / Solano County	27/02/20	California Department of Public Health	Chiu Laboratory, Xianding Deng, Scot UCSF-Abbott Viral Diagnostics and Discovery Center, Alicia Sotomayor-Gonzalez, University of California, San Francisco	Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez, Allan Gopez, Wei Gu, Steve Miller, Debra A. Wadford, and Charles Y. Chiu
EPI_ISL_413560	hCoV-19/USA/WA-S3/2020	North America / USA / Washington	28/02/20	Seattle Flu Study	Seattle Flu Study	Chu et al
EPI_ISL_413559	hCoV-19/USA/CA-CDPH-UC3/2020	North America / USA / California / Solano County	27/02/20	California Department of Public Health	Chiu Laboratory, Xianding Deng, Scot UCSF-Abbott Viral Diagnostics and Discovery Center, Alicia Sotomayor-Gonzalez, University of California, San Francisco	Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez, Allan Gopez, Wei Gu, Steve Miller, Debra A. Wadford, and Charles Y. Chiu

					University of California, San Francisco	Allan Gopez, Wei Gu, Steve Miller, Debra A. Wadford, and Charles Y. Chiu
					Chiu Laboratory, UCSF-Abbott Diagnostics and Discovery University of California, San Francisco	Xianding Deng, Scot Federman, Guixia Yu, Chao- Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez, Allan Gopez, Wei Gu, Steve Miller, Debra A. Wadford, and Charles Y. Chiu
EPI_ISL_413558	hCoV-19/USA/CA-CDPH-UC2/2020	North America / USA / California / 27/02/20	Solano County	California Department of Public Health		
					Chiu Laboratory, UCSF-Abbott Diagnostics and Discovery University of California, San Francisco	Xianding Deng, Scot Federman, Guixia Yu, Chao- Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez, Allan Gopez, Elaine Hsu, Wei Gu, Steve Miller, Debra A. Wadford, and Charles Y. Chiu
EPI_ISL_413557	hCoV-19/USA/CA-CDPH-UC1/2020	North America / USA / California / 2020	Sonoma County	California Department of Public Health		
					Public Health Wales Microbiology Cardiff	Wales Specialist Virology Centre Catherine Moore, Tim Jones, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_413556	hCoV-19/Wales/PHW2/2020	Europe / United Kingdom / Wales	04/03/20	Wales Specialist Virology Centre		

EPI_ISL_413555	hCoV-19/Wales/PHW1/2020	Europe / United Kingdom / Wales	27/02/20	Wales Specialist Virology Centre	Public Health Wales Microbiology Cardiff	Catherine Moore, Cen Sabu, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_413550	hCoV-19/Nigeria/Lagos 01/2020	Africa / Nigeria / Lagos	27/02/20	Centre for Human and Zoonotic Virology (CHAZVY), College of Medicine Excellence for University of Lagos/Lagos Infectious Diseases University Teaching Hospital (LUTH), Redeemer's part of the University, Laboratory Network of the Nigeria Centre for Disease Control (NCDC)	African Centre of Genomics of Infectious Diseases (ACEGID), Redeemer's University, Ede, Osun State, Nigeria	Oluniyi P.E., Ajogbasile F.V., Kayode A., Oguzie J., Folarin O.A., Ihekweazu C. Happi C.T.
EPI_ISL_413523	hCoV-19/India/1-31/2020	Asia / India / Kerala	31/01/20	Indian Council of Medical Research-National Institute of Virology	National Influenza Center, Indian Council of Medical Research-National Institute of Virology	Potdar V, Yadav PD, Choudhary ML, Shete-Aich A

EPI_ISL_413522	hCoV-19/India/1-27/2020	Asia / India / Kerala	27/01/20	Indian Council of Medical Research - National Institute of Virology	National Influenza Center, Indian Council of Medical Research - National Institute of Virology	Potdar V, Yadav PD, Choudhary ML, Shete-Aich A
EPI_ISL_413521	hCoV-19/Beijing/235/2020	Asia / China / Beijing	28/01/20	unknown	Infectious Disease Control Center	Li,J., Li,L., Li,Z., Qiu,S., Song,H., Li,P. and Li,P.
EPI_ISL_413520	hCoV-19/Beijing/233/2020	Asia / China / Beijing	28/01/20	unknown	Infectious Disease Control Center	Li,J., Li,L., Li,Z., Qiu,S., Song,H., Li,P. and Li,P.
EPI_ISL_413519	hCoV-19/Beijing/231/2020	Asia / China / Beijing	28/01/20	unknown	Infectious Disease Control Center	Li,J., Li,L., Li,Z., Qiu,S., Song,H., Li,P. and Li,P.
EPI_ISL_413516	hCoV-19/South Korea/KUMC06/2020	Asia / South Korea	27/02/20	Department of Microbiology, Institute for Viral Diseases, College of Medicine, Korea University	Department of Microbiology, Institute for Viral Diseases, College of Medicine, Korea University	Changmin Kang, Joon-Yong Bae, Jungmin Lee, Jin Gu Yoon, Heedo Park, Juyoung Cho, Jeonghun Kim, Gee Eun Lee, Cui Chunguang, Kyeong-ryeol Shin, Ji Yun Noh, Joon Young Song, Hee Jin Cheong,

				Woo Joo Kim, Jin Il Kim, Man-Seong Park	
				Changmin Kang, Joon-Yong Bae, Jungmin Lee, Jin Gu Yoon, Heedo Park, Juyoung Cho, Jeonghun Kim, Gee Eun Lee, Cui Chunguang, Kyeong-ryeol Shin, Ji Yun Noh, Joon Young Song, Hee Jin Cheong, Woo Joo Kim, Jin Il Kim, Man-Seong Park	
EPI_ISL_413515	hCoV-19/South Korea/KUMC05/2020	Asia / South Korea	27/02/20	Division of Department of Infectious Diseases, Microbiology, Department of Institute for Viral Internal Medicine, Diseases, College of Korea University Medicine, Korea College of Medicine University	
EPI_ISL_413514	hCoV-19/South Korea/KUMC04/2020	Asia / South Korea	27/02/20	Department of Department of Microbiology, Microbiology, Institute for Viral Institute for Viral Diseases, College of Diseases, College of Medicine, Korea Medicine, Korea University University	Changmin Kang, Joon-Yong Bae, Jungmin Lee, Jin Gu Yoon, Heedo Park, Juyoung Cho, Jeonghun Kim, Gee Eun Lee, Cui Chunguang, Kyeong-ryeol Shin, Ji Yun Noh, Joon Young Song, Hee Jin Cheong, Woo Joo Kim, Jin Il Kim, Man-Seong Park

EPI_ISL_413513	hCoV-19/South Korea/KUMC03/2020	Asia / South Korea	27/02/20	Division of Infectious Diseases, Microbiology, Department of Internal Medicine, College of Korea University Medicine, Korea College of Medicine	Department of Institute for Viral Diseases, College of Medicine, Korea University	Changmin Kang, Joon-Yong Bae, Jungmin Lee, Jin Gu Yoon, Heedo Park, Juyoung Cho, Jeonghun Kim, Gee Eun Lee, Cui Chunguang, Kyeong-ryeol Shin, Ji Yun Noh, Joon Young Song, Hee Jin Cheong, Woo Joo Kim, Jin Il Kim, Man-Seong Park
EPI_ISL_413490	hCoV-19/New Zealand/01/2020	Oceania / New Zealand Auckland	27/02/20	Auckland Hospital	Institute of Environmental Science and Research (ESR)	Matt Storey, Xiaoyun Ren, Gary McAuliffe, Sally Roberts, Matthew Blakiston, Erasmus Smit, Lauren Jelly, Joep de Ligt
EPI_ISL_413489	hCoV-19/Italy/UniSR1/2020	Europe / Italy / Lombardy / Milan	03/03/20	Laboratorio di Microbiologia e Virologia, Università Vita-Salute San Raffaele, Milano	Laboratorio di Microbiologia e Virologia, Università Vita-Salute San Raffaele, Milano	R.A. Diotti, E. Criscuolo, M. Castelli, V. Caputo, R. Ferrarese, M. Sampaolo, E. Boeri, I. Negri, V. Amato, G. Lo Raso, C. Di Resta, R. Burioni, M. Clementi, N. Mancini & N. Clementi

EPI_ISL_413488	hCoV-19/Germany/NRW-01/2020	Europe / Germany / North Rhine Westphalia / Heinsberg District	28/02/20	Ortwin Adams, Marcel Andree, Alexander Dilthey, Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf			Center of Medical Microbiology, Virology, and Hospital Hygiene, University of Duesseldorf			Torsten Feldt, Sandra Hauka, Torsten Houwaart, Björn-Erik Jensen, Detlef Kindgen-Milles, Malte Kohns Vasconcelos, Klaus Pfeffer, Tina Senff, Daniel Strelow, Jörg Timm, Andreas Walker, Tobias Wienemann		
				Harborview Medical Center			University of Washington Virology Lab			Pavitra Roychoudhury, Arun Nalla, Hong Xie, Keith Jerome, Alexander Greninger		
EPI_ISL_413487	hCoV-19/USA/WA9-UW6/2020	North America / USA / Washington	01/03/20	Valley Medical Center			University of Washington Virology Lab			Pavitra Roychoudhury, Arun Nalla, Hong Xie, Keith Jerome, Alexander Greninger		
EPI_ISL_413486	hCoV-19/USA/WA8-UW5/2020	North America / USA / Washington	01/03/20	Valley Medical Center			University of Washington Virology Lab			Pavitra Roychoudhury, Arun Nalla, Hong Xie, Keith Jerome, Alexander Greninger		
EPI_ISL_413485	hCoV-19/Anhui/SZ005/2020	Asia / China / Anhui / Suzhou	24/01/20	Department of microbiology laboratory, Anhui Provincial Center for Disease Control and Prevention			Department of microbiology laboratory, Anhui Provincial Center for Disease Control and Prevention			Weiwei Li, Jun He, Yong Sun, Junling Yu, Qingqing Chen, Yuan Yuan, Yonglin Zhang, Yinglu Shi, Zhuhui Zhang, Yinglu Ge, Weidong Li, Bin Su, Zhirong Liu		

EPI_ISL_413459	hCoV-19/Japan/TK/20-31-3/2020	Asia / Japan / Tokyo	20/02/20	Department of Pathology, Toshima Hospital	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Kentaro Itokawa, Takuya Adachi, Masahiro Sano, Jun Yamazaki, Ippei Miyamoto, Haruka Nishioka, Ja-Mun Chong, Noriko Nakajima, Yuko Sato, Minoru Tobiume, Harutaka Katano, Tadaki Suzuki, Makoto Kuroda
EPI_ISL_413458	hCoV-19/USA/WA7-UW4/2020	North America / USA / Washington	01/03/20	Washington State Public Health Lab	UW Virology Lab	Pavitra Roychoudhury, Arun Nalla, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413457	hCoV-19/USA/WA6-UW3/2020	North America / USA / Washington	29/02/20	Washington State Public Health Lab	UW Virology Lab	Pavitra Roychoudhury, Arun Nalla, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_413456	hCoV-19/USA/WA-S2/2020	North America / USA / Washington / King County	20/02/20	Seattle Flu Study	Seattle Flu Study	Chu et al
EPI_ISL_413455	hCoV-19/USA/WA4-UW2/2020	North America / USA / Washington	28/02/20	Washington State Public Health Lab	University of Washington Virology Lab	Pavitra Roychoudhury, Arun Nalla, Hong Xie, Keith Jerome, Alexander Greninger

EPI_ISL_413221	hCoV-19/Scotland/CVR 01/2020	Europe / United Kingdom / Scotland	02/03/20	West of Scotland Specialist Virology Centre, NHS GGC	MRC-University of Glasgow Centre for Virus Research	Emma Thomson, Antonia Ho
EPI_ISL_413214	hCoV-19/Australia/NSW07/2020	Oceania / Australia / New South Wales / Sydney	29/02/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA
EPI_ISL_413213	hCoV-19/Australia/NSW06/2020	Oceania / Australia / New South Wales / Sydney	29/02/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA
EPI_ISL_413024	hCoV-19/Switzerland/1000477806/2020	Europe / Switzerland / Zurich	29/02/20	Division of Infectious Diseases, University Hospital Zurich	Institute of Medical Virology, University of Zurich	Stefan Schmutz, Maryam Zaheri, Verena Kufner, Gabriela Ziltener, Patrick Redli, Fiona Steiner, Jon Huder, Riccarda Capaul, Andrea Zbinden, Jürg Böni, Michael Huber, Roberto Speck, Alexandra Trkola

EPI_ISL_413023	hCoV-19/Switzerland/1000477797/2020	Europe Switzerland Zurich	/	29/02/20	Division of Infectious Diseases, University Hospital Zurich	Institute of Medical Virology, University of Zurich	Stefan Schmutz, Maryam Zaheri, Verena Kufner, Gabriela Ziltener, Patrick Redli, Fiona Steiner, Jon Huder, Riccarda Capaul, Andrea Zbinden, Jürg Böni, Michael Huber, Roberto Speck, Alexandra Trkola
EPI_ISL_413022	hCoV-19/Switzerland/1000477796/2020	Europe Switzerland Zurich	/	29/02/20	Division of Infectious Diseases, University Hospital Zurich	Institute of Medical Virology, University of Zurich	Stefan Schmutz, Maryam Zaheri, Verena Kufner, Gabriela Ziltener, Patrick Redli, Fiona Steiner, Jon Huder, Riccarda Capaul, Andrea Zbinden, Jürg Böni, Michael Huber, Roberto Speck, Alexandra Trkola
EPI_ISL_413021	hCoV-19/Switzerland/1000477757/2020	Europe Switzerland Zurich	/	29/02/20	Klinik Hirslanden Zurich	Institute of Medical Virology, University of Zurich	Stefan Schmutz, Maryam Zaheri, Verena Kufner, Gabriela Ziltener, Patrick Redli, Fiona Steiner, Jon Huder, Riccarda Capaul, Andrea Zbinden, Jürg Böni,

				Michael Huber, Christian Ruef, Alexandra Trkola	
				Stefan Schmutz, Maryam Zaheri, Verena Kufner, Patrick Redli, Fiona Steiner, Jon Huder, Riccarda Capaul, Andrea Zbinden, Jürg Böni, Michael Huber, Gerhard Eich, Alexandra Trkola	
EPI_ISL_413020	hCoV-19/Switzerland/1000477377/2020	Europe / Switzerland / Zurich	/ 27/02/20	Department of Internal Medicine, Virology, University of Zurich Triemli Hospital	Redli, Fiona Steiner, Jon Huder, Riccarda Capaul, Andrea Zbinden, Jürg Böni, Michael Huber, Gerhard Eich, Alexandra Trkola
EPI_ISL_413019	hCoV-19/Switzerland/1000477102/2020	Europe / Switzerland / Zurich	/ 26/02/20	Department of Internal Medicine, Virology, University of Zurich Triemli Hospital	Redli, Fiona Steiner, Jon Huder, Riccarda Capaul, Andrea Zbinden, Jürg Böni, Michael Huber, Gerhard Eich, Alexandra Trkola
EPI_ISL_413018	hCoV-19/South Korea/KUMC02/2020	Asia / South Korea	06/02/20	Department of Microbiology, Institute for Viral Diseases, College of Medicine, Korea University	Department of Microbiology, Institute for Viral Diseases, College of Medicine, Korea University Changmin Kang, Joon-Yong Bae, Jungmin Lee, Heedo Park, Juyoung Cho, Jeonghun Kim, Gee eun Lee, Cui Chunguang, Kyeong-ryeol

						Shin, Dong Min Kim, Jin Il Kim, Man-Seong Park
EPI_ISL_413017	hCoV-19/South Korea/KUMC01/ 2020	Asia / South Korea	06/02/20	Department of Microbiology, Institute for Viral Diseases, College of Medicine, Korea University	Department of Microbiology, Institute for Viral Diseases, College of Medicine, Korea University	Changmin Kang, Joon-Yong Bae, Jungmin Lee, Heedo Park, Juyoung Cho, Jeonghun Kim, Gee eun Lee, Cui Chunguang, Kyeong-ryeol Shin, Dong Min Kim, Jin Il Kim, Man-Seong Park
EPI_ISL_413016	hCoV- 19/Brazil/SPBR- 02/2020	South America / Brazil / Sao Paulo / Sao Paulo	28/02/20	Hospital Israelita Albert Einstein	Instituto Adolfo Lutz, Interdisciplinary Procedures Center, Strategic Laboratory	Jaqueline Goes de Jesus, Claudio Tavares Sacchi, Fabiana Cristina Pereira dos Santos, Ingra Morales Claro, Flávia Cristina da Silva Sales, Claudia Regina Gonçalves, Joshua Quick, Maria do Carmo Sampaio Tavares Timenetsky, Nicholas James Loman, Andrew Rambaut, Ester Cerdeira Sabino, Nuno Rodrigues Faria

EPI_ISL_413015	hCoV-19/Canada/ON-VIDO-01/2020	North America / Canada / Ontario	23/01/20	Public Health Ontario Laboratory	National Microbiology Laboratory	Shari Tyson, Anna Majer, Erika Landry, Morag Graham, Grace Seo, Philip Mabon, Natalie Knox, Adrian Zetner, Samira Mubareka, Rob Kozak, Jocelyne Lew, Darryl Falzarano, Gerdts Volker, Jonathan Gubbay, Stephanie Booth, Guillaume Poliquin, Tom Graefenhan, Matthew Gilmour, Nathalie Bastien, Yan Li, Timothy Booth
EPI_ISL_413014	hCoV-19/Canada/ON-PHL2445/2020	North America / Canada / Ontario	25/01/20	Public Health Ontario Laboratory	Ontario Agency for Health Protection and Promotion (OAHPP)	Alireza Eshaghi, Samir N Patel, Jonathan B Gubbay, Vanessa G Allen, Christine Frantz, Aimin Li, Sandeep Nagra
EPI_ISL_412983	hCoV-19/Tianmen/HBC DC-HB-07/2020	Asia / China / Hubei / Tianmen	08/02/20	Tianmen Center for Disease Control and Prevention	Hubei Provincial Center for Disease Control and Prevention	Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, YiFa Zhu,

								Yangyang Li, Yongzhong Jiang.	Tao, Xierong
EPI_ISL_412982	hCoV-19/Wuhan/HBC DC-HB-06/2020	Asia / China / Hubei / Wuhan	07/02/20	Wuhan Hospital	Lung	Hubei Provincial Center for Disease Control and Prevention		Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.	
EPI_ISL_412981	hCoV-19/Wuhan/HBC DC-HB-05/2020	Asia / China / Hubei / Wuhan	18/01/20	CR&WISCO GENERAL HOSPITAL		Hubei Provincial Center for Disease Control and Prevention		Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.	
EPI_ISL_412980	hCoV-19/Wuhan/HBC DC-HB-04/2020	Asia / China / Hubei / Wuhan	18/01/20	Union Hospital of Tongji Medical College, Huazhong University of Science and Technology		Hubei Provincial Center for Disease Control and Prevention		Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.	
EPI_ISL_412979	hCoV-19/Wuhan/HBC DC-HB-03/2020	Asia / China / Hubei / Wuhan	18/01/20	Union Hospital of Tongji Medical College, Huazhong University of Science and Technology		Hubei Provincial Center for Disease Control and Prevention		Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.	

EPI_ISL_412978	hCoV-19/Wuhan/HBC DC-HB-02/2020	Asia / China / Hubei / Wuhan	17/01/20	The Central Hospital Of Wuhan	Hubei Provincial Center for Disease Control and Prevention	Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.
EPI_ISL_412975	hCoV-19/Australia/NS W05/2020	Oceania / Australia / New South Wales / Sydney	28/02/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA
EPI_ISL_412974	hCoV-19/Italy/SPL1/2020	Europe / Italy / Rome	29/01/20	Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy	Virology Laboratory, Scientific Department, Army Medical Center	Paola Stefanelli, Stefano Fiore, Antonella Marchi, Eleonora Benedetti, Concetta Fabiani, Giovanni Faggioni, Antonella Fortunato, Silvia Fillo, Riccardo De Santis, Andrea Ciammaruconi, Giancarlo Petralito, Filippo Molinari, Florigio Lista
EPI_ISL_412973	hCoV-19/Italy/CDG1/2020	Europe / Italy / Lombardy	20/02/20	Department of Infectious Diseases,	Virology Laboratory, Scientific	Paola Stefanelli, Stefano Fiore, Antonella Marchi, Eleonora Benedetti, Concetta Fabiani,

						Istituto Superiore di Sanità, Roma , Italy	Department, Army Medical Center	Giovanni Faggioni, Antonella Fortunato, Riccardo De Santis, Silvia Fillo, Anna Anselmo, Andrea Ciammaruconi, Stefano Palomba, Florigio Lista
								Ramirez-Gonzalez Ernesto, Garces-Ayala Fabiola, Araiza-Rodriguez Adnan, Mendieta-Condado Edgar, Rodriguez-Maldonado Abril, Wong-Arambula Claudia, Vazquez-Perez Joel, Martinez Arturo, Boukadida Celia, Munoz-Medina Esteban, Sanchez Alejandro, Isa Pavel, Taboada Blanca, Lopez Susana, Arias Carlos, Barrera-Badillo Gisela, Hernandez-Rivas Lucia, Lopez-Martinez Irma
EPI_ISL_412972	hCoV-19/Mexico/CDMX-InDRE_01/2020	North America / Mexico / Mexico City	27/02/20			Instituto Nacional de Enfermedades Respiratorias	Instituto de Diagnostico y Referencia Epidemiologicos (INDRE)	

EPI_ISL_412971	hCoV-19/Finland/FIN-25/2020	Europe / Finland / Helsinki	25/02/20	HUS Diagnostiikkakeskus, Hallinto	Department of Virology Faculty of Medicine, Medicum University of Helsinki	Teemu Smura, Suvi Kuivanen, Hannimari Kallio-Kokko, Olli Vapalahti
EPI_ISL_412970	hCoV-19/USA/WA2/2020	North America / USA / Washington / Snohomish County	24/02/20	Washington State Department of Health	Seattle Flu Study	Helen Chu, Michael Boeckh, Janet Englund, Michael Famulare, Barry Lutz, Deborah Nickerson, Mark Rieder, Lea Starita, Matthew Thompson, Jay Shendure, and Trevor Bedford
EPI_ISL_412969	hCoV-19/Japan/Hu_DP_Kng_19-027/2020	Asia / Japan	10/02/20	unknown	Takayuki Hishiki Hishiki,T., Kanagawa Sakuragi,J., Prefectural Institute of Public Health, Department of Microbiology	Suzuki,R., Usui,K., Tanaka,Y., Kawai,J., Kogo,Y., Matsuki,Y., An,T., Hayashizaki,Y. and Takasaki,T.
EPI_ISL_412968	hCoV-19/Japan/Hu_DP_Kng_19-020/2020	Asia / Japan	10/02/20	unknown	Takayuki Hishiki Hishiki,T., Kanagawa Sakuragi,J., Prefectural Institute of Public Health, Matsuki,Y.,	Suzuki,R., Usui,K., Tanaka,Y., Kawai,J., Kogo,Y., An,T.,

						Department of Microbiology	Hayashizaki, Y. and Takasaki, T.
EPI_ISL_412967	hCoV-19/China/IQTC02/2020	Asia / China / Guangzhou	29/01/20	unknown		Technology Centre, Guangzhou Customs	Shi, Y., Zheng, K., Sun, J., Huang, J., Zhu, A., Zhuang, Z., Dai, J., Chen, Z., Sun, F., Zhang, Z., Li, X. and Wang, Y.
EPI_ISL_412966	hCoV-19/China/IQTC01/2020	Asia / China / Guangdong / Guangzhou	05/02/20	unknown		Technology Centre, Guangzhou Customs	Shi, Y., Sun, J., Zheng, K., Huang, J. and Zhao, J.
EPI_ISL_412965	hCoV-19/Canada/BC_37_0-2/2020	North America / Canada / British Columbia	16/02/20	BCCDC Health Laboratory	Public Health Laboratory	BCCDC Public Health Laboratory	Harrigan, Prystajeky, Krajden, Lee, Kamelian, Lapointe, Choi, Hoang, Sekirov, Levett, Tyson, Loman, Quick, Li, Gilmour
EPI_ISL_412964	hCoV-19/Brazil/SPBR-01/2020	South America / Brazil / Sao Paulo / Sao Paulo	25/02/20	Hospital Israelita Albert Einstein		Instituto Adolfo Lutz Interdisciplinary Procedures Center Strategic Laboratory	Jaqueline Goes de Jesus, Claudio Tavares Sacchi, Daniela Bernardes Borges da Silva, Ingra Morales Claro, Flávia Cristina da Silva Sales, Claudia Regina Gonçalves, Joshua Quick, Maria do Carmo, Sampaio Tavares

						Timenetsky, Nicholas James Loman, Andrew Rambaut, Ester Cerdeira Sabino, Nuno Rodrigues Faria
EPI_ISL_412912	hCoV-19/Germany/Baden-Wuerttemberg-1/2020	Europe / Germany / Baden-Wuerttemberg	25/02/20	State Health Office Baden-Wuerttemberg	Charite? Universita?tsmedizin Berlin, Institute of Virology	Victor M Corman, Julia Schneider, Barbara Mu?hleemann, Talitha Veith, Jörn Beheim-Schwarzbach, Terry Jones, Rainer Oehme, Silke Fischer, Christian Drosten
EPI_ISL_412899	hCoV-19/Wuhan/HBC DC-HB-03/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Jinyintan Hospital	Hubei Provincial Center for Disease Control and Prevention	Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.
EPI_ISL_412898	hCoV-19/Wuhan/HBC DC-HB-02/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Jinyintan Hospital	Hubei Provincial Center for Disease Control and Prevention	Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.

EPI_ISL_412873	hCoV-19/South Korea/KCDC24/2020	Asia / South Korea / Chungcheongnam-do	06/02/20	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, Mi-Seon Kim, Sang Hee Woo, Hye-Jun Jo, Sehee Park, Heui Man Kim, Myung Guk Han
EPI_ISL_412872	hCoV-19/South Korea/KCDC12/2020	Asia / South Korea / Gyeonggi-do	01/02/20	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, Mi-Seon Kim, Sang Hee Woo, Hye-Jun Jo, Sehee Park, Heui Man Kim, Myung Guk Han
EPI_ISL_412871	hCoV-19/South Korea/KCDC07/2020	Asia / South Korea / Seoul	31/01/20	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, Mi-Seon Kim, Sang Hee Woo, Hye-Jun Jo, Sehee Park, Heui Man Kim, Myung Guk Han

				Control Prevention	and	Control Prevention	and	
EPI_ISL_412870	hCoV-19/South Korea/KCDC06/2 020	Asia / South Korea/ Seoul	30/01/20	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, Mi-Seon Kim, Sang Hee Woo, Hye-Jun Jo, Sehee Park, Heui Man Kim, Myung Guk Han
EPI_ISL_412869	hCoV-19/South Korea/KCDC05/2 020	Asia / South Korea /Seoul	30/01/20	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, Mi-Seon Kim, Sang Hee Woo, Hye-Jun Jo, Sehee Park, Heui Man Kim, Myung Guk Han
EPI_ISL_412862	hCoV- 19/USA/CA9/202 0	North America / USA / California / Solano	23/02/20	California Department Public Health	of	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases,		Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Ying Tao, Clinton R. Paden, Haibin Wang, Shifaq Kamili, Xiaoyan

				Centers for Disease Control and Prevention	Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Jasmine Padilla, Justin Lee, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_412459	hCoV-19/Jingzhou/HBC DC-HB-01/2020	Asia / China / Hubei / Jingzhou	08/01/20	Jingzhou Center for Disease Control and Prevention	Hubei Provincial Center for Disease Control and Prevention Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Maoyi Chen, Jie Hu, Chunlin Mao, Yongzhong Jiang.
EPI_ISL_412116	hCoV-19/England/09c/2020	Europe / United Kingdom / England	09/02/20	Respiratory Virus Unit, Microbiology Services Public Health England	Respiratory Virus Unit, Microbiology Services Public Health England Monica Galiano, Shahjahan Miah, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Richard Myers, Steven Platt, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon

EPI_ISL_412030	hCoV-19/Hong Kong/VB2002656	Asia / Hong Kong	01/02/2020	Hong Kong Department of Health	School of Public Health, The University of Hong Kong	Dominic N.C. Tsang, Daniel K.W. Chu, Leo L.M. Poon, Malik Peiris
EPI_ISL_412029	hCoV-19/Hong Kong/VB2002495	Asia / Hong Kong	30/01/2020	Hong Kong Department of Health	The University of Hong Kong	Dominic N.C. Tsang, Daniel K.W. Chu, Leo L.M. Poon, Malik Peiris
EPI_ISL_412028	hCoV-19/Hong Kong/VM200010	Asia / Hong Kong	22/01/2020	Hong Kong Department of Health	School of Public Health, The University of Hong Kong	Dominic N.C. Tsang, Daniel K.W. Chu, Leo L.M. Poon, Malik Peiris
EPI_ISL_411956	hCoV-19/USA/TX1/2020	North America / USA / Texas	11/02/2020	Texas Department of State Health Services	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Ying Tao, Clinton R. Paden, Haibin Wang, Shifang Kamili, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong

EPI_ISL_411955	hCoV-19/USA/CA8/2020	North America / USA / California	10/02/20	California Department of Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Ying Tao, Clinton R. Paden, Haibin Wang, Shifaa Kamili, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_411954	hCoV-19/USA/CA7/2020	North America / USA / California	06/02/20	California Department of Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Ying Tao, Clinton R. Paden, Haibin Wang, Shifaa Kamili, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong

EPI_ISL_411953	hCoV-19/Jiangsu/JS03/2020	Asia / China / Jiangsu	24/01/20	NHC Key laboratory of Enteric Pathogenic Microbiology, Institute of Pathogenic Microbiology	Jiangsu Provincial Center for Disease Control & Prevention	Kangchen Zhao, Xiaojuan Zhu, Lunbiao Cui, Tao Wu, Yiyue Ge, Bin Wu, Yin Chen, Fengcai Zhu, Baoli Zhu, Ming Wu
EPI_ISL_411952	hCoV-19/Jiangsu/JS02/2020	Asia / China / Jiangsu	24/01/20	NHC Key laboratory of Enteric Pathogenic Microbiology, Institute of Pathogenic Microbiology	Jiangsu Provincial Center for Disease Control & Prevention	Kangchen Zhao, Xiaojuan Zhu, Lunbiao Cui, Tao Wu, Yiyue Ge, Bin Wu, Yin Chen, Fengcai Zhu, Baoli Zhu, Ming Wu
EPI_ISL_411951	hCoV-19/Sweden/01/2020	Europe / Sweden	07/02/20	unknown	Unit for Laboratory Development and Technology Transfer, Public Health Agency of Sweden	Bengner,M., Palmerus,M., Lindsjo,O., Lind Karlberg,M., Monteil,V., Appelberg,S., Brave,A., Muradrasoli,S. and Tegmark-Wisell,K.

EPI_ISL_411950	hCoV-19/Jiangsu/JS01/2020	Asia / China / Jiangsu	23/01/20	NHC Key laboratory of Enteric Pathogenic Microbiology, Institute of Pathogenic Microbiology	Jiangsu Provincial Center for Disease Control & Prevention	Lunbiao Zhao,Xiaojuan Ge,Tao Chen,Fengcai Zhu,Ming Wu	Cui,Kangchen Zhu,Yiyue Wu,Yin Zhu,Baoli
EPI_ISL_411902	hCoV-19/Cambodia/0012/2020	Asia / Cambodia / Sihanoukville	27/01/20	Virology Unit, Institut Pasteur du Cambodge.	Virology Unit, Institut Pasteur du Cambodge. (Sequencing done by: Jessica E Manning/Jennifer A Bohl at Malaria and Vector Research Laboratory, National Institute of Allergy and Infectious Diseases and Vida Ah Yong	Erik A Karlsson, Jennifer A Bohl, Vida Ah Yong, Veasna Duong, Philippe Dussart, Jessica E Manning.	

				from Chan-Zuckerberg Biohub)
EPI_ISL_411219	hCoV-19/France/IDF0386-islP1/2020	Europe / France / Ile-de-France / Paris	28/01/20	Department of Infectious and Tropical Diseases, CIRI U111, UCBL1, Bichat Claude Bernard Hospital, ENS Lyon Olivier Terrier, Aurélien Traversier, Julien Fouret, Yazdan Yazdanpanah, Xavier Lescure, Alexandre Gaymard, Bruno Lina, Manuel Rosa-Calatrava
EPI_ISL_411218	hCoV-19/France/IDF0571/2020	Europe / France / Ile-de-France / Paris	02/02/20	Department of Infectious and Tropical Diseases, CIRI U111, UCBL1, Bichat Claude Bernard Hospital, ENS Lyon Olivier Terrier, Aurélien Traversier, Julien Fouret, Yazdan Yazdanpanah, Xavier Lescure, Catherine Legras-Lachuer, Alexandre Gaymard, Bruno Lina, Manuel Rosa-Calatrava
EPI_ISL_411066	hCoV-19/Fujian/13/2020	Asia / China / Fujian	22/01/20	Fujian Center for Disease Control and Prevention Fujian Center for Disease Control and Prevention Chen Wei, Zhang Yanhua, He Wenxiang, Weng Yuwei
EPI_ISL_411060	hCoV-19/Fujian/8/2020	Asia / China / Fujian	21/01/20	Fujian Center for Disease Control and Prevention Fujian Center for Disease Control and Prevention Chen Wei, Zhang Yanhua, He Wenxiang, Weng Yuwei

EPI_ISL_410719	hCoV-19/Singapore/11/2020	Asia / Singapore	02/02/20	National Health Laboratory	Public	National Health Laboratory	Public	Octavia S, Mak TM, Cui L, Lin RTP
								Ben Huang, Alyssa Pyke, Amanda De Jong, Andrew Van Den Hurk, Carmel Taylor, David Warrilow, Doris Genge, Elisabeth Gamez, Glen Hewitson, Ian Maxwell
EPI_ISL_410718	hCoV-19/Australia/QLD04/2020	Oceania / Australia / Queensland / Gold Coast	05/02/20	Pathology Queensland		Public Virology Laboratory	Health	Mackay, Inga Sultana, Jamie McMahon, Jean Barcelon, Judy Northill, Mitchell Finger, Natalie Simpson, Neelima Nair, Peter Burtonclay, Peter Moore, Sarah Wheatley, Sean Moody, Sonja Hall-Mendelin, Timothy Gardam, and Frederick Moore.
EPI_ISL_410717	hCoV-19/Australia/QLD03/2020	Oceania / Australia / Queensland / Gold Coast	05/02/20	Pathology Queensland		Public Virology Laboratory	Health	Ben Huang, Alyssa Pyke, Amanda De Jong, Andrew Van Den Hurk, Carmel Taylor, David Warrilow, Doris Genge,

Elisabeth Gamez, Glen Hewitson, Ian Maxwell Mackay, Inga Sultana, Jamie McMahon, Jean Barcelon, Judy Northill, Mitchell Finger, Natalie Simpson, Neelima Nair, Peter Burtonclay, Peter Moore, Sarah Wheatley, Sean Moody, Sonja Hall-Mendelin, Timothy Gardam, and Frederick Moore.

EPI_ISL_410716	hCoV-19/Singapore/10/2020	Asia / Singapore	04/02/20	National Health Laboratory, Infectious Diseases National Centre for Infectious Diseases	Public National Centre for Infectious Diseases	Octavia S, Mak TM, Cui L, Lin RTP
EPI_ISL_410715	hCoV-19/Singapore/9/2020	Asia / Singapore	04/02/20	National Health Laboratory, Infectious Diseases	Public National Centre for Infectious Diseases	Octavia S, Mak TM, Cui L, Lin RTP
EPI_ISL_410714	hCoV-19/Singapore/8/2020	Asia / Singapore	03/02/20	National Health Laboratory, Infectious Diseases	Public National Centre for Infectious Diseases	Octavia S, Mak TM, Cui L, Lin RTP

				National Centre for Infectious Diseases	National Centre for Infectious Diseases
				National Health Laboratory, National Centre for Infectious Diseases	Public Health Laboratory, National Centre for Infectious Diseases
EPI_ISL_410713	hCoV-19/Singapore/7/2020	Asia / Singapore	27/01/20	Octavia S, Mak TM, Cui L, Lin RTP	
EPI_ISL_410545	hCoV-19/Italy/INMI1-isl/2020	Europe / Italy / Rome	29/01/20	INMI Lazzaro Spallanzani IRCCS	Laboratory of Barbara Bartolini, Francesco Messina, Emanuela Giombini, Francesca Colavita, Concetta Castilletti, Eleonora Lalle, Fabrizio Carletti, Emanuele Nicastrì, Giuseppe Ippolito.
EPI_ISL_410537	hCoV-19/Singapore/6/2020	Asia / Singapore	09/02/20	Singapore General Hospital, Molecular Emerging Infectious Diseases, Duke-NUS Medical School	Danielle E Anderson, Martin Linster, Yan Zhuang, Jayanthi Jayakumar, Kian Sing Chan, Lynette LE Oon, Shirin Kalimuddin, Jenny GH Low, Yvonne CF Su, Gavin JD Smith

EPI_ISL_410536	hCoV-19/Singapore/5/2020	Asia / Singapore	06/02/20	Singapore General Programme in Hospital, Molecular Emerging Infectious Diseases, Duke-NUS Laboratory, Division of Pathology	Danielle E Anderson, Martin Linster, Yan Zhuang, Jayanthi Jayakumar, Kian Sing Chan, Lynette LE Oon, Shirin Kalimuddin, Jenny GH Low, Yvonne CF Su, Gavin JD Smith
EPI_ISL_410535	hCoV-19/Singapore/4/2020	Asia / Singapore	03/02/20	National Centre for Infectious Diseases	Programme in Linster, Yan Zhuang, Jayanthi Jayakumar, David CB Lye, Yee Sin Leo, Barnaby E Young, Yvonne CF Su, Gavin JD Smith
EPI_ISL_410532	hCoV-19/Japan/OS-20-07-1/2020	Asia / Japan / Osaka	23/01/20	Dept. of Pathology, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases Tsuyoshi Sekizuka, Harutaka Katano, Shutoku Matsuyama, Naganori Nao, Kazuya Shirato, Motoi Suzuki, Hideki Hasegawa, Takaji Wakita, Makoto Takeda, Tadaki Suzuki, Makoto Kuroda
EPI_ISL_410531	hCoV-19/Japan/NA-20-05-1/2020	Asia / Japan / Nara	25/01/20	Dept. of Pathology, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases Tsuyoshi Sekizuka, Harutaka Katano, Shutoku Matsuyama, Naganori Nao, Kazuya Shirato, Motoi Suzuki, Hideki

									Hasegawa, Takaji Wakita, Makoto Takeda, Tadaki Suzuki, Makoto Kuroda
EPI_ISL_410486	hCoV-19/France/RA739/2020	Europe / France / Rhone-Alpes Contamines	/ 08/02/20	CNR Virus des Infections Respiratoires France SUD	CNR Virus des Infections Respiratoires France SUD	-	Bal, Antonin		
EPI_ISL_410301	hCoV-19/Nepal/61/2020	Asia / Nepal / Kathmandu	/ 13/01/20	National Influenza Centre, Public Health Laboratory, Kathmandu, Nepal	The University of Hong Kong		Ranjit Sah , Runa Jha, Daniel Chu, Haogao Gu, Malik Peiris, Anup Bastola, Alfonso J. Rodriguez-Morales, Bibek Kumar Lal, Basu Dev Pandey, Leo Poon		
EPI_ISL_410218	hCoV-19/Taiwan/NTU02/2020	Asia / Taiwan / Taipei	/ 05/02/20	Department of Laboratory Medicine, National Taiwan University Hospital	Microbial Genomics Core Lab, National Taiwan University Centers of Genomic and Precision Medicine		Shiou-Hwei Yeh, You-Yu Lin, Ya-Yun Lai, Chiao-Ling Li, Shan-Chwen Chang, Pei-Jer Chen, Sui-Yuan Chang		
EPI_ISL_410045	hCoV-19/USA/IL2/2020	North America / USA / Illinois	/ 28/01/20	IL Department of Public Health Chicago Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of		Yan Li, Jing Zhang, Krista Queen, Ying Tao, Anna Uehara, Clinton R. Paden,		

					Viral Diseases, Xiaoyan Lu, Brian Lynch, Centers for Diseases Senthil Kumar K. Sakthivel, Control and Brett L. Whitaker, Shifaq Prevention Kamili, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
					Jing Zhang, Krista Queen, Yan
					Pathogen Discovery, Li, Ying Tao, Anna Uehara,
					Respiratory Viruses Clinton R. Paden, Xiaoyan Lu,
					Branch, Division of Brian Lynch, Senthil Kumar K.
EPI_ISL_410044	hCoV-19/USA/CA6/2020	North America / USA / California	27/01/20	California Department of Public Health	of Viral Diseases, Sakthivel, Brett L. Whitaker, Centers for Diseases Shifaq Kamili, Lijuan Wang, Control and Janna' R. Murray, Susan I. Prevention Gerber, Stephen Lindstrom, Suxiang Tong
					Clinton R. Paden, Jing Zhang,
					Krista Queen, Yan Li, Ying
					Tao, Anna Uehara, Xiaoyan
					Lu, Brian Lynch, Senthil
EPI_ISL_409067	hCoV-19/USA/MA1/2020	North America / USA / Massachusetts	29/01/20	Massachusetts Department of Public Health	of Branch, Division of Viral Diseases, Centers for Diseases
					Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili,

						Control and Prevention	Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_408978	hCoV-19/Wuhan/WH05/2020	Asia / China / Hubei / Wuhan	07/02/20	Wuhan Hospital	Fourth Beijing Genomics Institute (BGI)	Weijun Chen	
EPI_ISL_408977	hCoV-19/Australia/NSW03/2020	Oceania / Australia / New South Wales / Sydney	25/01/20	Serology, and Laboratories (SAViD), Health Pathology Randwick	Virology OTDS NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA	
EPI_ISL_408976	hCoV-19/Australia/NSW02/2020	Oceania / Australia / New South Wales / Sydney	22/01/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA	
EPI_ISL_408670	hCoV-19/USA/WI1/2020	North America / USA / Wisconsin	31/01/20	Wisconsin Department of Health Services	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases,	Jing Zhang, Anna Uehara, Krista Queen, Yan Li, Ying Tao, Clinton R. Paden, Xiaoyan Lu, Brian Lynch,	

					Centers for Diseases Control and Prevention	Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_408669	hCoV-19/Japan/KY-V-029/2020	Asia / Japan / Kyoto	29/01/20	Dept. of Virology III, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Shutoku Matsuyama, Naganori Nao, Kazuya Shirato, Makoto Takeda, Makoto Kuroda
EPI_ISL_408668	hCoV-19/Vietnam/VR03-38142/2020	Asia / Vietnam / Thanh Hoa	24/01/20	National Influenza Center - National Institute of Hygiene and Epidemiology (NIHE)	National Influenza Center - National Institute of Hygiene and Epidemiology (NIHE)	Ung Thi Hong Trang, Hoang Vu Mai Phuong, Nguyen Le Khanh Hang, Nguyen Vu Son, Le Thi Thanh, Vuong Duc Cuong, Nguyen Phuong Anh, Pham Thi Hien, Tran Thu Huong, Le Thi Quynh Mai,
EPI_ISL_408667	hCoV-19/Japan/TY-WK-521/2020	Asia / Japan / Tokyo	31/01/20	Dept. of Virology III, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Shutoku Matsuyama, Naganori Nao, Kazuya Shirato, Makoto Takeda, Makoto Kuroda

EPI_ISL_408666	hCoV-19/Japan/TY-WK-501/2020	Asia / Japan / Tokyo	31/01/20	Dept. of Virology III, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Shutoku Matsuyama, Naganori Nao, Kazuya Shirato, Makoto Takeda, Makoto Kuroda
EPI_ISL_408665	hCoV-19/Japan/TY-WK-012/2020	Asia / Japan / Tokyo	29/01/20	Dept. of Virology III, National Institute of Infectious Diseases	Pathogen Genomics Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Shutoku Matsuyama, Naganori Nao, Kazuya Shirato, Makoto Takeda, Makoto Kuroda
EPI_ISL_408515	hCoV-19/Wuhan/IVDC-HB-envF13-21/2020	Asia / China / Hubei / Wuhan	01/01/20	Institute of Viral Disease Control and Prevention, China CDC	Institute of Viral Disease Control and Prevention, China CDC	William J. Liu, Peipei Liu, Xiang Zhao, Peihua Niu, Yingze Zhao, Wenwen Lei, Ziqian Xu, Shumei Zou, Wei Zhen, Beiwei Ye, Mengjie Yang, Weifeng Shi, Roujian Lu, Wenjie Tan, Zhixiao Chen, Yuchao Wu, Juan Song, Weimin Zhou, Dayan Wang, Jun Han, Wenbo Xu, George F. Gao, Guizhen Wu
EPI_ISL_408514	hCoV-19/Wuhan/IVDC-	Asia / China / Hubei / Wuhan	01/01/20	Institute of Viral Disease Control and	Institute of Viral Disease Control and	William J. Liu, Peipei Liu, Xiang Zhao, Peihua Niu, Yingze Zhao, Wenwen Lei,

	HB-envF13- 20/2020			Prevention, CDC	China	Prevention, CDC	China	Ziqian Xu, Shumei Zou, Wei Zhen, Beiwei Ye, Mengjie Yang, Weifeng Shi, Roujian Lu, Wenjie Tan, Zhixiao Chen, Yuchao Wu, Juan Song, Weimin Zhou, Dayan Wang, Jun Han, Wenbo Xu, George F. Gao, Guizhen Wu
EPI_ISL_408489	hCoV-19/Taiwan/NTU01/2020	Asia / Taiwan / Taipei	31/01/20	Department of Laboratory Medicine, National Taiwan University Hospital		Microbial Genomics Core Lab, National Taiwan University Centers of Genomic and Precision Medicine		Shiou-Hwei Yeh, You-Yu Lin, Ya-Yun Lai, Chiao-Ling Li, Shan-Chwen Chang, Pei-Jer Chen, Sui-Yuan Chang
EPI_ISL_408488	hCoV-19/Jiangsu/IVDC-JS-001/2020	Asia / China / Jiangsu / Huaian	19/01/20	National Institute for Viral Disease Control and Prevention, CDC		National Institute for Viral Disease Control and Prevention, CCDC		Wenjie Tan, Shenjiao Wang, Wenling Wang, Peihua Niu, Roujian Lu, Kangchen Zhao, Xiang Zhao, Baoying Huang, Li Zhao, Fei Ye, Wenbo Xu, George F. Gao, Guizhen Wu

EPI_ISL_408486	hCoV-19/Jiangxi/IVDC-JX-002/2020	Asia / China / Jiangxi / Pingxiang	11/01/20	National Institute for Viral Disease Control and Prevention, China CDC	National Institute for Viral Disease Control & Prevention, CCDC	Wenjie Tan, Yong Shi, Wenling Wang, Peihua Niu, Roujian Lu, Jianxiong Li, Xiang Zhao, Baoying Huang, Li Zhao, Fei Ye, Wenbo Xu, George F. Gao, Guizhen Wu
EPI_ISL_408484	hCoV-19/Sichuan/IVDC-SC-001/2020	Asia / China / Sichuan / Chengdu	15/01/20	National Institute for Viral Disease Control and Prevention, China CDC	National Institute for Viral Disease Control & Prevention, CCDC	Wenjie Tan, Jianan Xu, Wenling Wang, Peihua Niu, Roujian Lu, Huiping Yang, Xiang Zhao, Baoying Huang, Li Zhao, Fei Ye, Wenbo Xu, George F. Gao, Guizhen Wu
EPI_ISL_408482	hCoV-19/Shandong/IVDC-SD-001/2020	Asia / China / Shandong / Qingdao	19/01/20	National Institute for Viral Disease Control and Prevention, China CDC	National Institute for Viral Disease Control & Prevention, CCDC	Wenjie Tan, Zhaoguo Wang, Xiang Zhao, Wenling Wang, Peihua Niu, Roujian Lu, Ti Liu, Baoying Huang, Li Zhao, Fei Ye, Wenbo Xu, George F. Gao, Guizhen Wu
EPI_ISL_408481	hCoV-19/Chongqing/IVDC-CQ-001/2020	Asia / China / Chongqing	18/01/20	National Institute for Viral Disease Control and	National Institute for Viral Disease Control & Prevention, CCDC	Wenjie Tan, Hengqin Wang, Xiang Zhao, Wenling Wang, Peihua Niu, Roujian Lu, Sheng Ye, Baoying Huang, Li Zhao,

				Prevention, CDC	China		Fei Ye, Wenbo Xu, George F. Gao, Guizhen Wu
EPI_ISL_408480	hCoV-19/Yunnan/IVDC-YN-003/2020	Asia / China / Yunnan / Kunming	17/01/20	National Institute for Viral Disease Control and Prevention, CDC		National Institute for Viral Disease Control & Prevention, CCDC	Wenjie Tan?Xiaoqing Fu?Xiang Zhao?Wenling Wang? Peihua Niu?Roujian Lu,Yanhong Sun?Baoying Huang?Li Zhao?Fei Ye?Wenbo Xu?George F. Gao?Guizhen Wu
EPI_ISL_408479	hCoV-19/Chongqing/ZX01/2020	Asia / China / Chongqing Zhongxian	23/01/20	Zhongxian Center for Disease Control and Prevention		Chongqing Municipal Center for Disease Control and Prevention	Ye Sheng, Tang Yun, Ling Hua, Zhang Hong, Yu zhen,Chen Shuang,Tan ZhangPing, Su Kun, Li Qin, Tang Wenge, Rong Rong
EPI_ISL_408478	hCoV-19/Chongqing/YC01/2020	Asia / China / Chongqing Yongchuan	21/01/20	Yongchuan District Center for Disease Control and Prevention		Chongqing Municipal Center for Disease Control and Prevention	Ye Sheng, Tang Yun, Ling Hua,Yu zhen,Chen Shuang,Tan ZhangPing, Su Kun, Li Qing, Tang Wenge, Rong Rong
EPI_ISL_408431	hCoV-19/France/IDF0626/2020	Europe / France / Ile-de-France Paris	29/01/20	Sorbonne Université, Inserm et Assistance Publique-		National Reference Center for Viruses of Respiratory	Mélanie Albert, Marion Barbet, Sylvie Behillil, Meline Bizard, Angela Brisebarre,

				Hôpitaux de Paris Infections, Institut Pasteur, Paris	Flora Donati, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Sonia Burrel, Anne-Geneviève Marcelin, Vincent Calvez, David Boutolleau, Elise Klément, Valérie Pourcher, Eric Caumes.
					Mélanie Albert, Marion Barbet, Sylvie Behillil, Meline Bizard, Angela Brisebarre, Flora Donati, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Yazdan Yazdanpanah, Xavier Lescure
EPI_ISL_408430	hCoV-19/France/IDF051 5/2020	Europe / France / Ile-de-France / Paris	29/01/20	Department of Infectious and Tropical Diseases, Bichat Claude Bernard Hospital, Paris	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris
EPI_ISL_408010	hCoV-19/USA/CA5/2020	North America / USA / California	29/01/20	California Department of Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention
					Ying Tao, Krista Queen, Jing Zhang, Yan Li, Anna Uehara, Clinton Paden, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang, Janna' R. Murray, Susan I.

					Gerber, Stephen Lindstrom, Suxiang Tong
					Krista Queen, Jing Zhang, Yan
					Pathogen Discovery, Li, Ying Tao, Anna Uehara,
					Respiratory Viruses Clinton Paden, Xiaoyan Lu,
					Branch, Division of Brian Lynch, Senthil Kumar K.
					of Viral Diseases, Sakthivel, Brett L. Whitaker,
					Centers for Diseases Shifaq Kamili, Lijuan Wang,
					Control and Janna' R. Murray, Susan I.
					Prevention Gerber, Stephen Lindstrom, Suxiang Tong
					Krista Queen, Jing Zhang, Yan
					Pathogen Discovery, Li, Ying Tao, Anna Uehara,
					Respiratory Viruses Clinton Paden, Xiaoyan Lu,
					Branch, Division of Brian Lynch, Senthil Kumar K.
					of Viral Diseases, Sakthivel, Brett L. Whitaker,
					Centers for Disease Shifaq Kamili, Lijuan Wang,
					Control and Janna' R. Murray, Susan I.
					Prevention Gerber, Stephen Lindstrom, Suxiang Tong

EPI_ISL_407988	hCoV-19/Singapore/3/2020	Asia / Singapore	01/02/20	National Centre for Infectious Diseases	Programme in Emerging Infectious Diseases, Duke-NUS Medical School	Danielle E Anderson, Martin Linster, Yan Zhuang, Jayanthi Jayakumar, David CB Lye, Yee Sin Leo, Barnaby E Young, Yvonne CF Su, Linfa Wang, Gavin JD Smith
EPI_ISL_407987	hCoV-19/Singapore/2/2020	Asia / Singapore	25/01/20	Singapore General Hospital	Programme in Emerging Infectious Diseases, Duke-NUS Medical School	Danielle E Anderson, Martin Linster, Yan Zhuang, Jayanthi Jayakumar, Kian Sing Chan, Lynette LE Oon, Jenny GH Low, Yvonne CF Su, Linfa Wang, Gavin JD Smith
EPI_ISL_407976	hCoV-19/Belgium/GHB-03021/2020	Europe / Belgium / Leuven	03/02/20	KU Leuven, Clinical and Epidemiological Virology	KU Leuven, Clinical and Epidemiological Virology	Bert Vanmechelen, Elke Wollants, Annabel Rector, Els Keyaerts, Lies Laenen, Marc Van Ranst, and Piet Maes
EPI_ISL_407896	hCoV-19/Australia/QLD02/2020	Oceania / Australia / Queensland / Gold Coast	30/01/20	Pathology Queensland	Public Health Virology Laboratory	Ben Huang, Alyssa Pyke, Amanda De Jong, Andrew Van Den Hurk, Carmel Taylor, David Warrilow, Doris Genge, Elisabeth Gamez, Glen Hewitson, Ian Maxwell

					Mackay, Inga Sultana, Jamie McMahon, Jean Barcelon, Judy Northill, Mitchell Finger, Natalie Simpson, Neelima Nair, Peter Burtonclay, Peter Moore, Sarah Wheatley, Sean Moody, Sonja Hall-Mendelin, Timothy Gardam, and Frederick Moore.
					Ben Huang, Alyssa Pyke, Amanda De Jong, Andrew Van Den Hurk, Carmel Taylor, David Warrilow, Doris Genge, Elisabeth Gamez, Glen Hewitson, Ian Maxwell
EPI_ISL_407894	hCoV-19/Australia/QLD01/2020	Oceania / Australia / Queensland / Gold Coast	Pathology Queensland	Public Health Virology Laboratory	Mackay, Inga Sultana, Jamie McMahon, Jean Barcelon, Judy Northill, Mitchell Finger, Natalie Simpson, Neelima Nair, Peter Burtonclay, Peter Moore, Sarah Wheatley, Sean Moody, Sonja Hall-Mendelin,

Timothy Gardam, and
Frederick Moore.

EPI_ISL_407893	hCoV-19/Australia/NSW01/2020	Oceania / Australia / New South Wales / Sydney	24/01/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Health Pathology - Institute of Clinical Pathology and Medical Research	NA
EPI_ISL_407313	hCoV-19/Hangzhou/HZCDC0001/2020	Asia / China / Zhejiang / Hangzhou	19/01/20	Hangzhou Center for Disease Control and Prevention	Hangzhou Center for Disease Control and Prevention	Jun Li, Haoqiu Wang, Hua Yu, Lingfeng Mao, Xinfen Yu, Zhou Sun, Qingxin Kong, Xinqian, Shuchang Chen, Xuchu Wang
EPI_ISL_407193	hCoV-19/South Korea/KCDC03/2020	Asia / South Korea / Gyeonggi-do	25/01/20	Korea Centers for Disease Control & Prevention (KCDC) Center for Laboratory Control of Infectious Diseases Division of Viral Diseases	Korea Centers for Disease Control & Prevention (KCDC) Center for Laboratory Control of Infectious Diseases Division of Viral Diseases	Jeong-Min Kim, Yoon-Seok Chung, Namjoo Lee, Mi-Seon Kim, SangHee Woo, Hye-Joon Jo, Sehee Park, Heui Man Kim, Myung Guk Han

EPI_ISL_407084	hCoV-19/Japan/AI/I-004/2020	Asia / Japan / Aichi	25/01/20	Department of Pathogen Genomics Virology III, Center, National Institute of Infectious Diseases	Tsuyoshi Sekizuka, Shutoku Matsuyama, Naganori Nao, Kazuya Shirato, Shinji Watanabe, Makoto Takeda, Makoto Kuroda
EPI_ISL_407079	hCoV-19/Finland/1/2020	Europe / Finland / Lapland	29/01/20	Lapland Central Hospital	Department of Virology, University of Helsinki and Helsinki University Hospital, Helsinki, Finland Teemu Smura, Suvi Kuivanen, Hannimari Kallio-Kokko, Olli Vapalahti
EPI_ISL_407073	hCoV-19/England/02/2020	Europe / United Kingdom / England	29/01/20	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England Monica Galiano, Shahjahan Miah, Richard Myers, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw, Kirstin Edwards, Jonathan Hubb, Joanna Ellis, Maria Zambon.
EPI_ISL_407071	hCoV-19/England/01/2020	Europe / United Kingdom / England	29/01/20	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England	Respiratory Virus Unit, Microbiology Services Colindale, Public Health England Monica Galiano, Shahjahan Miah, Richard Myers, Angie Lackenby, Omolola Akinbami, Tiina Talts, Leena Bhaw,

				Public England	Health	Public England	Health	Kirstin Hubb,	Edwards, Joanna	Jonathan Ellis,	Maria Zambon
EPI_ISL_406973	hCoV- 19/Singapore/1/2 020	Asia / Singapore	23/01/20	Singapore Hospital	General	National Health	Public Laboratory	Mak, TM			
EPI_ISL_406970	hCoV- 19/Hangzhou/H Z-1/2020	Asia / China / Zhejiang Hangzhou	/ 20/01/20	Hangzhou for Disease Control Microbiology Lab	Center and	Hangzhou for Disease Control Microbiology Lab	Center and	Yu Hua,	Wang Haoqiu,	Li Jun,	Yu Xinfeng
EPI_ISL_406862	hCoV- 19/Germany/Bav Pat1/2020	Europe / Germany / Bavaria / Munich	28/01/20	Charité Universitätsmedizin Berlin, Institute of Virology		NA		NA			
EPI_ISL_406844	hCoV- 19/Australia/VIC 01/2020	Oceania / Australia / Victoria / Clayton	25/01/20	Monash Centre	Medical	Collaboration between the University of Melbourne at The Peter Doherty Institute for Infection and Immunity, and the					
								Caly,L.,	Seemann,T,		
								Schultz,M.,	Druce,J.	and	
								Taiaroa,G			

					Victorian Infectious Disease Reference Laboratory
EPI_ISL_406801	hCoV- 19/Wuhan/WH04 /2020	Asia / China / Hubei / Wuhan	05/01/20	General Hospital of Central Theater Command of People's Liberation Army of China	BGI & Institute of Microbiology, Chinese Academy of Sciences & Shandong First Medical University & Shandong Academy of Medical Sciences & General Hospital of Central Theater Command of People's Liberation Army of China
EPI_ISL_406800	hCoV- 19/Wuhan/WH03 /2020	Asia / China / Hubei / Wuhan	01/01/20	General Hospital of Central Theater Command of People's Liberation Army of China	BGI & Institute of Microbiology, Chinese Academy of Sciences & Hu Shandong First Medical University & Shandong Academy of Medical Sciences & General Hospital of Central Theater Command of People's Liberation Army of China

					Medical University & Shandong Academy of Medical Sciences & General Hospital of Central Theater Command of People's Liberation Army of China
					BGI & Institute of Microbiology, Chinese Academy of Sciences & Shandong First Medical University & Shandong Academy of Medical Sciences & General Hospital of Central Theater Command of People's
EPI_ISL_406798	hCoV-19/Wuhan/WH01 /2019	Asia / China / Hubei / Wuhan	26/12/19	General Hospital of Central Theater Command of People's Liberation Army of China	Weijun Chen, Yuhai Bi, Weifeng Shi and Zhenhong Hu

					Liberation Army of China	
EPI_ISL_406717	hCoV-19/China/WHU02/2020	Asia / China / Hubei / Wuhan	02/01/20	unknown	State Key Laboratory of Virology, Wuhan University	Chen,L., Liu,W., Zhang,Q., Xu,K., Ye,G., Wu,W., Sun,Z., Liu,F., Wu,K., Mei,Y., Zhang,W., Chen,Y., Li,Y., Shi,M., Lan,K. and Liu,Y.
EPI_ISL_406716	hCoV-19/China/WHU01/2020	Asia / China / Hubei / Wuhan	02/01/20	unknown	State Key Laboratory of Virology, Wuhan University	Chen,L., Liu,W., Zhang,Q., Xu,K., Ye,G., Wu,W., Sun,Z., Liu,F., Wu,K., Mei,Y., Zhang,W., Chen,Y., Li,Y., Shi,M., Lan,K. and Liu,Y.
EPI_ISL_406597	hCoV-19/France/IDF0373/2020	Europe / France / Ile-de-France Paris	23/01/20	Department of Infectious and Tropical Diseases, Claude Bernard Hospital, Paris	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Mélanie Albert, Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre, Flora Donati, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Yazdan Yazdanpanah, Xavier Lescure.
EPI_ISL_406596	hCoV-19/France/IDF0372/2020	Europe / France / Ile-de-France Paris	23/01/20	Department of Infectious and Tropical Diseases,	National Reference Center for Viruses of Respiratory	Mélanie Albert, Marion Barbet, Sylvie Behillil, Méline Bizard, Angela Brisebarre,

				Bichat Bernard Paris	Claude Hospital,	Infections, Pasteur, Paris	Institut Flora Donati, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf, Yazdan Yazdanpanah, Xavier Lescure.
				Shenzhen Laboratory Pathogen Immunity, National Clinical Research Center for Infectious Disease, Shenzhen Third Hospital	Key of and National Research Shenzhen People's Hospital	Shenzhen Laboratory Pathogen Immunity, National Clinical Research Center for Infectious Disease, Shenzhen Third Hospital	Key of and National Research Shenzhen People's Hospital
	hCoV- EPI_ISL_406594 H-003/2020	Asia / China / Guandong / Shenzhen	16/01/20				Yang Yang, Chenguang Shen, Li Xing, Zhixiang Xu, Haixia Zheng, Yingxia Liu
	hCoV- EPI_ISL_406593 H-002/2020	Asia / China / Guandong / Shenzhen	13/01/20				Yang Yang, Chenguang Shen, Li Xing, Zhixiang Xu, Haixia Zheng, Yingxia Liu

EPI_ISL_406538	hCoV-19/Guangdong/20SF201/2020	Asia / China / Guangdong	23/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406536	hCoV-19/Foshan/20SF211/2020	Asia / China / Guangdong Foshan	22/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406535	hCoV-19/Foshan/20SF210/2020	Asia / China / Guangdong Foshan	22/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406534	hCoV-19/Foshan/20SF207/2020	Asia / China / Guangdong Foshan	22/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406533	hCoV-19/Guangzhou/20SF206/2020	Asia / China / Guangdong Guangzhou	22/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA

EPI_ISL_406531	hCoV-19/Guangdong/20SF174/2020	Asia / China / Guangdong / Zhuhai	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406223	hCoV-19/USA/AZ1/2020	North America / USA / Arizona / Phoenix	Arizona Department of Health Services	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Clinton R. Paden, Krista Queen, Anna Uehara, Yan Li, Jing Zhang, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_406036	hCoV-19/USA/CA2/2020	North America / USA / California / Orange County	California Department of Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Anna Uehara, Krista Queen, Ying Tao, Yan Li, Clinton R. Paden, Jing Zhang, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang, Janna' R. Murray, Susan I. Gerber,

					Stephen Lindstrom, Suxiang Tong
EPI_ISL_406034	hCoV-19/USA/CA1/2020	North America / USA / California / Los Angeles	California Department of Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Centers for Diseases Control and Prevention	Anna Uehara, Krista Queen, Ying Tao, Yan Li, Clinton R. Paden, Jing Zhang, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_406031	hCoV-19/Taiwan/2/2020	Asia / Taiwan / Kaohsiung	Centers for Disease Control, (Taiwan)	Centers for Disease Control, R.O.C. (Taiwan)	Ji-Rong Yang, Yu-Chi Lin, Jung-Jung Mu, Ming-Tsan Liu, Shu-Ying Li
EPI_ISL_405839	hCoV-19/Shenzhen/HK U-SZ-005/2020	Asia / China / Guangdong / Shenzhen	The University of Hong Kong - Shenzhen Hospital	Li Ka Shing Faculty of Medicine, The University of Hong Kong	Chan,J.F.-W., Yuan,S., Kok,K.H., To,K.K.-W., Chu,H., Yang,J., Xing,F., Liu,J., Yip,C.C.-Y., Poon,R.W.-S., Tsai,H.W., Lo,S.K.-F., Chan,K.H., Poon,V.K.-M., Chan,W.M., Ip,J.D., Cai,J.P.,

					Cheng,V.C.-C.,	Chen,H.,
					Hui,C.K.-M. and Yuen,K.Y.	
EPI_ISL_404895	hCoV-19/USA/WA1/2020	North America / USA / Washington / Snohomish County	19/01/20	Providence Regional Medical Center	Division of Viral Diseases, Centers for Disease Control and Prevention	Queen,K., Tao,Y., Li,Y., Paden,C.R., Lu,X., Zhang,J., Gerber,S.I., Lindstrom,S., Tong,S.
EPI_ISL_404253	hCoV-19/USA/IL1/2020	North America / USA / Illinois / Chicago	21/01/20	IL Department of Public Health Chicago Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Diseases Control and Prevention	Ying Tao, Krista Queen, Clinton R. Paden, Jing Zhang, Yan Li, Anna Uehara, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang, Janna' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_404228	hCoV-19/Zhejiang/WZ-02/2020	Asia / China / Zhejiang	17/01/20	Zhejiang Provincial Center for Disease Control and Prevention	Department of Microbiology, Zhejiang Provincial Center for Disease Control and Prevention	Yanjun Zhang, Yin Chen, Haiyan Mao, Junhang Pan, Xiuyu Lou, Yiyu Lu, Juying Yan, Hanping Zhu, Jian Gao, Yan Feng, Yi Sun, Hao Yan, Zhen Li, Yisheng Sun, Liming

					Gong, Qiong Ge, Wen Shi, Xinying Wang, Wenwu Yao, Zhangnv Yang, Fang Xu, Chen Chen, Enfu Chen, Zhen Wang, Zhiping Chen, Jianmin Jiang, Chonggao Hu
EPI_ISL_404227	hCoV-19/Zhejiang/WZ-01/2020	Asia / China / Zhejiang	16/01/20	Zhejiang Provincial Microbiology, Center for Disease Control and Prevention	Department of Yan, Hanping Zhu, Jian Gao, Yan Feng, Yi Sun, Hao Yan, Zhen Li, Yisheng Sun, Liming Gong, Qiong Ge, Wen Shi, Xinying Wang, Wenwu Yao, Zhangnv Yang, Fang Xu, Chen Chen, Enfu Chen, Zhen Wang, Zhiping Chen, Jianmin Jiang, Chonggao Hu
EPI_ISL_403963	hCoV-19/Nonthaburi/74/2020	Asia / Thailand / Nonthaburi	13/01/20	Bamrasnaradura Hospital	1. Department of Medical Sciences, Ministry of Public Health, Thailand 2. Pilailuk, Okada

					Thai Red Cross Emerging Infectious Diseases - Health Science Centre 3. Department of Disease Control, Ministry of Public Health, Thailand
					1. Department of Medical Sciences, Ministry of Public Health, Thailand 2. Thai Red Cross Emerging Infectious Diseases - Health Science Centre 3. Department of Disease Control, Ministry of Public Health, Thailand
EPI_ISL_403962	hCoV- 19/Nonhaburi/6 1/2020	Asia / Thailand / Nonhaburi	08/01/20	Bamrasnaradura Hospital	Pilailuk,Okada

EPI_ISL_403937	hCoV-19/Guangdong/20SF040/2020	Asia / China / Guangdong / Zhuhai	18/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403936	hCoV-19/Guangdong/20SF028/2020	Asia / China / Guangdong / Zhuhai	17/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403935	hCoV-19/Guangdong/20SF025/2020	Asia / China / Guangdong / Shenzhen	15/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403934	hCoV-19/Guangdong/20SF014/2020	Asia / China / Guangdong / Shenzhen	15/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403933	hCoV-19/Guangdong/20SF013/2020	Asia / China / Guangdong / Shenzhen	15/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA

EPI_ISL_403932	hCoV-19/Guangdong/20SF012/2020	Asia / China / Guangdong / Shenzhen	14/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403931	hCoV-19/Wuhan/IPBC AMS-WH-02/2019	Asia / China / Hubei / Wuhan	30/12/19	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu, Chao Wu, Yiwei Liu
EPI_ISL_403930	hCoV-19/Wuhan/IPBC AMS-WH-03/2019	Asia / China / Hubei / Wuhan	30/12/19	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu, Chao Wu, Yiwei Liu
EPI_ISL_403929	hCoV-19/Wuhan/IPBC AMS-WH-04/2019	Asia / China / Hubei / Wuhan	30/12/19	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College	Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu, Chao Wu, Yiwei Liu

EPI_ISL_403928	hCoV-19/Wuhan/IPBC AMS-WH-05/2020	Asia / China / Hubei / Wuhan	01/01/20	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union College	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union College	Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu, Chao Wu, Yiwei Liu
EPI_ISL_402132	hCoV-19/Wuhan/HBC DC-HB-01/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan Hubei Provincial Center for Disease Control and Prevention	Bin Fang, Xiang Li, Xiao Yu, Linlin Liu, Bo Yang, Faxian Zhan, Guojun Ye, Xixiang Huo, Junqiang Xu, Bo Yu, Kun Cai, Jing Li, Yongzhong Jiang.
EPI_ISL_402130	hCoV-19/Wuhan/WIV07/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan Wuhan Institute of Virology, Chinese Academy of Sciences	Peng Zhou, Xing-Lou Yang, Ding-Yu Zhang, Lei Zhang, Yan Zhu, Hao-Rui Si, Zhengli Shi
EPI_ISL_402129	hCoV-19/Wuhan/WIV06/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan Wuhan Institute of Virology, Chinese Academy of Sciences	Peng Zhou, Xing-Lou Yang, Ding-Yu Zhang, Lei Zhang, Yan Zhu, Hao-Rui Si, Zhengli Shi
EPI_ISL_402128	hCoV-19/Wuhan/WIV05/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan Wuhan Institute of Virology, Chinese Academy of Sciences	Peng Zhou, Xing-Lou Yang, Ding-Yu Zhang, Lei Zhang,

							Yan Zhu, Hao-Rui Si, Zhengli Shi
EPI_ISL_402127	hCoV-19/Wuhan/WIV02/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan	Wuhan Institute of Virology, Chinese Academy of Sciences	Peng Zhou, Xing-Lou Yang, Ding-Yu Zhang, Lei Zhang, Yan Zhu, Hao-Rui Si, Zhengli Shi
EPI_ISL_402124	hCoV-19/Wuhan/WIV04/2019	Asia / China / Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan	Wuhan Institute of Virology, Chinese Academy of Sciences	Peng Zhou, Xing-Lou Yang, Ding-Yu Zhang, Lei Zhang, Yan Zhu, Hao-Rui Si, Zhengli Shi
EPI_ISL_402123	hCoV-19/Wuhan/IPBC AMS-WH-01/2019	Asia / China / Hubei / Wuhan	24/12/19	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union College	Institute of Pathogen Biology, Chinese Academy of Medical Sciences & Peking Union Medical College		Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu, Chao Wu, Yiwei Liu
EPI_ISL_402121	hCoV-19/Wuhan/IVDC-HB-05/2019	Asia / China / Hubei / Wuhan	30/12/19	National Institute for Viral Disease Control and Prevention, CDC	National Institute for Viral Disease Control and Prevention, CDC		Wenjie Tan?Xuejun Ma?Xiang Zhao?Wenling Wang?Yongzhong Jiang?Roujian Lu?Ji Wang?Peihua Niu, Weimin Zhou, Faxian Zhan?Weifeng

EPI_ISL_402120	hCoV-19/Wuhan/IVDC-HB-04/2020	Asia / China / Hubei / Wuhan	01/01/20	National Institute for Viral Disease Control and Prevention, CDC	National Institute for Viral Disease Control and Prevention, CDC	Shi?Baoying Liu?Li Ye?Na He?Peipei Chen?Wenbo Gao?Guizhen	Huang?Jun Meng?Fei Xiaozhou Li?Jing F. Wu
EPI_ISL_402119	hCoV-19/Wuhan/IVDC-HB-01/2019	Asia / China / Hubei / Wuhan	30/12/19	National Institute for Viral Disease Control	National Institute for Viral Disease Control	Wenjie Zhao?Wenling Ma?Yongzhong Lu, Ji	Tan?Xiang Wang?Xuejun Jiang?Roujian Wang, Weimin

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