



Type of the Paper (Brief Report.)

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3 Importation and early local transmission of COVID-

4 19 Brazil, 2020

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- 9 Benega Pinho⁴, Katia Correa de Oliveira Santos⁴, Sarah Catherine Hill³, Renato
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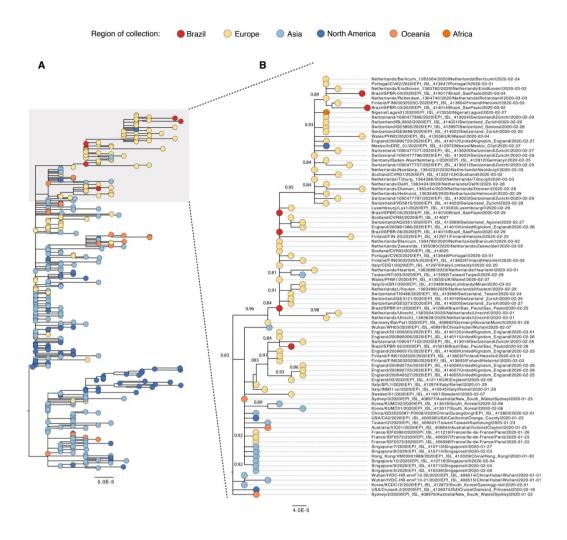


Figure S1. SARS-CoV-2 phylogeny of the first confirmed Brazilian cases. A) Global SARS-CoV-2 Maximum Likelihood phylogeny including the six first genomes from Brazil. The tree was estimated using all available sequences in GISAID database (n=347) as of the 10th of March 2020. Tips are coloured according 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.

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

	Mapped	Average	Bases	Bases	Reference
Isolate	Reads	depth	covered	covered	covered (%)
	Reaus	coverage	>10x	>25x	covered (70)
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 EpiFluTM Database on which this research is based. The list is detailed below. All submitters of data may be contacted directly via www.gisaid.org

45 46

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

	hCoV-	North America /						Pavitra F	Roychoudł	nury,	Hong
EPI_ISL_414364	19/USA/WA-		05/03/20	UW Virology Lab		UW Virolo	gy Lab	Xie, Keit	h Jerome,	Alex	ander
	UW16/2020	USA / Washington						Greninger			
	hCoV-	North America /						Pavitra F	Roychoudl	nury,	Hong
EPI_ISL_414363	19/USA/WA-		04/03/20	UW Virolog	gy Lab	UW Virolo	gy Lab	Xie, Keit	h Jerome,	Alex	ander
	UW15/2020	USA / Washington						Greninge	r		
								Monica	Galiano,	Shah	ijahan
				Respiratory	Virus	Respiratory	y Virus	Miah,	Angie	Lack	enby,
	hCoV-	Europe / United		Unit, Mic	robiology	Unit, Mic	robiology	Omolola	Akinba	mi,	Tiina
EPI_ISL_414044	19/England/2006	Kingdom /	08/02/20	Services C	Colindale,	Services (Colindale,	Talts, Le	ena Bhay	w, Ri	chard
	90756/2020	England		Public	Health	Public	Health	Myers, S	Steven Pla	att, K	Cirstin
				England		England		Edwards	, Jonath	an I	Hubb,
								Joanna E	llis, Maria	Zamł	oon
								Monica	Galiano,	Shah	ijahan
				Respiratory	Virus	Respiratory	y Virus	Miah,	Angie	Lack	enby,
	hCoV-	Europe / United		Unit, Mic	robiology	Unit, Mic	robiology	Omolola	Akinba	mi,	Tiina
EPI_ISL_414043	19/England/2006	Kingdom /	07/02/20	Services C	Colindale,	Services 0	Colindale,	Talts, Le	ena Bhav	w, Ri	chard
	90306/2020	England		Public	Health	Public	Health	Myers, S	Steven Pla	att, K	Cirstin
				England		England		Edwards	, Jonath	an I	Hubb,
								Joanna E	llis, Maria	Zamb	oon

			Monica Galiano, Shahjahan
		Respiratory Virus Respiratory Virus	Miah, Angie Lackenby,
hCoV-	Europe / United	Unit, Microbiology Unit, Microbiology	Omolola Akinbami, Tiina
EPI_ISL_414042 19/England/2006	Kingdom / 08/02/20	Services Colindale, Services Colindale,	Talts, Leena Bhaw, Richard
90300/2020	England	Public Health Public Health	Myers, Steven Platt, Kirstin
		England England	Edwards, Jonathan Hubb,
			Joanna Ellis, Maria Zambon
			Monica Galiano, Shahjahan
		Respiratory Virus Respiratory Virus	Miah, Angie Lackenby,
hCoV-	Europe / United	Unit, Microbiology Unit, Microbiology	Omolola Akinbami, Tiina
EPI_ISL_414041 19/England/2006	Kingdom / 08/02/20	Services Colindale, Services Colindale,	Talts, Leena Bhaw, Richard
90245/2020	England	Public Health Public Health	Myers, Steven Platt, Kirstin
		England England	Edwards, Jonathan Hubb,
			Joanna Ellis, Maria Zambon
			Monica Galiano, Shahjahan
		Respiratory Virus Respiratory Virus	Miah, Angie Lackenby,
hCoV-	Europe / United	Unit, Microbiology Unit, Microbiology	Omolola Akinbami, Tiina
EPI_ISL_414040 19/England/2006	Kingdom / 05/02/20	Services Colindale, Services Colindale,	Talts, Leena Bhaw, Richard
41094/2020	England	Public Health Public Health	Myers, Steven Platt, Kirstin
		England England	Edwards, Jonathan Hubb,
			Joanna Ellis, Maria Zambon

	hCoV-	Europe / United		West of Scotla	land	MRC-University of
EPI_ISL_414027	19/Scotland/CVR	Kingdom /	04/03/20	Specialist Virol	logy	Glasgow Centre for Emma Thomson, Antonia Ho
	05/2020	Scotland		Centre, NHSGGC	C	Virus Research
	hCoV-	Europe / United		West of Scotl	land	MRC-University of
EPI_ISL_414026	19/Scotland/CVR	Kingdom /	04/03/20	Specialist Virol	logy	Glasgow Centre for Emma Thomson, Antonia Ho
	04/2020	Scotland		Centre, NHSGGC	C	Virus Research
	hCoV-	Europe / United		West of Scotla	land	MRC-University of
EPI_ISL_414025	19/Scotland/CVR	Kingdom /	01/03/20	Specialist Virol	logy	Glasgow Centre for Emma Thomson, Antonia Ho
	03/2020	Scotland		Centre, NHSGGC	C	Virus Research
	hCoV-	Europe / United		West of Scotl	land	MRC-University of
EPI_ISL_414024	19/Scotland/CVR	Kingdom /	02/03/20	Specialist Virol	logy	Glasgow Centre for Emma Thomson, Antonia Ho
	02/2020	Scotland		Centre, NHSGGC	C	Virus Research
	hCoV-	E		T also and a los		Swiss National
EPI_ISL_414023	19/Switzerland/V	Europe /	01/03/20	Laboratoire	de	Reference Centre for LAUBSCHER Florian et al.
	D5615/2020	Switzerland / Vaud		Virologie, HUG		Influenza
	hCoV-	Europe /		T also and a local	de	Swiss National
EPI_ISL_414022	19/Switzerland/G	Switzerland /	27/02/20	Laboratoire		Reference Centre for LAUBSCHER Florian et al.
	E9586/2020	Geneva		Virologie, HUG		Influenza
	hCoV-	F /		T 1		Swiss National
EPI_ISL_414021	19/Switzerland/B	Europe /	27/02/20	Laboratoire	de	Reference Centre for LAUBSCHER Florian et al.
	L0902/2020	Switzerland / Basel		Virologie, HUG		Influenza

EPI_ISL_414020	E5373/2020	Europe Switzerland Geneva	/ 27/02/20	Laboratoire Virologie, HUG	de	Swiss National Reference Centre Influenza	for LA	UBSCHER	Floriar	n et al.
EPI_ISL_414019	hCoV- 19/Switzerland/G E3121/2020	Europe Switzerland Geneva	/ 27/02/20	Laboratoire Virologie, HUG	de	Swiss Nation Reference Centre Influenza		UBSCHER	Floriar	ı 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 Ad Lutz, Interdiciplinary Procedures Cer Strategic Laborat	Cla Sar Car tter, San Ory Dar Silv	nudia Reg piana Crist ntos, Car margo, Ma npaito Tava	ina Perrlos I aria do ares Tin ardes B	Henrique o Carmo nenetsky, sorges da Maria de
EPI_ISL_414016	hCoV- 19/Brazil/SPBR- 05/2020	South America Brazil / Sao Paulo Sao Paulo	•	Hospital Joaquim Beneficencia Portuguesa	São	Instituto Ad Lutz, Interdiciplinary Procedures Cer Strategic Laborat	Cla Au Can tter, San	udio Ta udia Reg drey Cilli, margo, Ma npaito Tava niela Berna	Carlos l aria do ares Tin	Henrique Carmo nenetsky,

					Silva, Terezinha Maria de
					Paiva, Ester Cerdeira Sabino
					Claudio Tavares Sacchi,
					Claudia Regina Gonçalves,
				Instituto Adolfo	SimoneGuadagnucci Morillo,
	hCoV-	South America /	Hospital São	Lutz,	Carlos Henrique Camargo,
EPI_ISL_414015	19/Brazil/SPBR-	Brazil / Sao Paulo / 29/02/20	Joaquim Beneficencia	Interdiciplinary	Maria do Carmo Sampaito
	06/2020	Sao Paulo		Procedures Center,	Tavares Timenetsky, Fabiana
			Portuguesa	Strategic Laboratory	Cristina Pereira dos Santos
					Terezinha Maria de Paiva,
					Ester Cerdeira Sabino
					Claudio Tavares Sacchi,
				Instituto Adolfo	Claudia Regina Gonçalves,
	hCoV-			Lutz,	Katia Correia dos Santos,
EDI ISI 414014	19/Brazil/SPBR-	South America / 02/03/20	Hospital Israelita	Interdiciplinary	Carlos Henrique Camargo,
E11_I3L_414014	03/2020	Brazil / Sao Paulo	Albert Einstein	Procedures Center,	Maria do Carmo Sampaito
	03/2020			Strategic Laboratory	Tavares Timenetsky,
				Strategic Laboratory	Terezinha Maria de Paiva,
					Ester Cerdeira Sabino
	hCoV-	Europe / United	Respiratory Virus	Respiratory Virus	Monica Galiano, Shahjahan
EPI_ISL_414013	19/England/2010	Kingdom / 01/03/20	Unit, Microbiology	Unit, Microbiology	Miah, Angie Lackenby,
	00003/2020	England	Services Colindale,	Services Colindale,	Omolola Akinbami, Tiina

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

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

								Edwards	, Jonatha	an	Hubb,
								Joanna E	llis, Maria	Zam	bon
								Monica	Galiano,	Shal	hjahan
				Respirator	ry Virus	Respirato	ory Virus	Miah,	Angie	Lac	kenby,
	hCoV-	Europe / United	1	Unit, Mi	icrobiology	Unit, M	licrobiology	Omolola	Akinba	mi,	Tiina
EPI_ISL_414006	19/England/2009	Kingdom	/ 28/02/20	Services	Colindale,	Services	Colindale,	Talts, Le	ena Bhav	v, R	ichard
	90724/2020	England		Public	Health	Public	Health	Myers, S	Steven Pla	att, l	Kirstin
				England		England		Edwards	, Jonatha	an	Hubb,
								Joanna E	llis, Maria	Zam	bon
								Monica	Galiano,	Shal	hjahan
				Respirator	ry Virus	Respirato	ory Virus	Miah,	Angie	Lac	kenby,
	hCoV-	Europe / United	l	Unit, Mi	icrobiology	Unit, M	licrobiology	Omolola	Akinba	mi,	Tiina
EPI_ISL_414005	19/England/2009	Kingdom	/ 25/02/20	Services	Colindale,	Services	Colindale,	Talts, Le	ena Bhav	v, R	ichard
	40527/2020	England		Public	Health	Public	Health	Myers, S	Steven Pla	att, l	Kirstin
				England		England		Edwards	, Jonatha	an	Hubb,
								Joanna E	llis, Maria	Zam	bon
	hCoV-	Europe	/	Laboratoi	re de	Swiss	National				
EPI_ISL_413999	19/Switzerland/A	Switzerland	/ 27/02/20	Virologie,		Reference	e Centre for	LAUBSC	HER Floria	an et	al.
	G0361/2020	Argovie		virologie,	110G	Influenza	l				
	hCoV-	Europe	/	Laboratoi	re de	Swiss	National				
EPI_ISL_413997	19/Switzerland/G	Switzerland	/ 26/02/20			Reference	e Centre for	LAUBSC	HER Flori	an et	al.
	E3895/2020	Geneva		Virologie,	110G	Influenza	ı				

EPI_ISL_413996	hCoV- 19/Switzerland/T 19486/2020	Europe Switzerland Tessin	/ 24/02/20	Laboratoire de Virologie, HUG		LAUBSCHER Florian et al.
EPI_ISL_413931	hCoV- 19/USA/UC- CDPH- UC11/2020	North America USA / California San Francisco		California Department of Public Health	Diagnostics and Discovery Center University of	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/2 020XN4291- P0038/2020	Asia / China Guangdong	/ 30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical Center for Disease Control and	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

Disease Control and Kuibiao L Prevention Xi Tang, N Faria, Jo Rambaut, Ma, Nic	Fang, Wenz i, Ruilin Sun, Minfeng Liang sh Quick, A Verity Hill,	Lilian Zhou, iu, Wei Zheng, o Peng, he Su, Ru bai, g, Nuno Andrew Wenjun Oliver
EPI_ISL_413884 01/02/20 Provincial Provincial Zhe, Jiu		Sarah

	D2020115-		Institution of Public	Institution of Public	François, Huifang Lii	n, Moritz
	P0009/2020		Health, Guangdong	Health	Kraemer, Jingju Peng	, Qianlin
			Provinical Center for		Xiong, Runyu Yuai	n, Lilian
			Disease Control and		Zeng, Pingping	Zhou,
			Prevention		Chuming Liang, Tao	Liu, Wei
					Li, Juan Su, Huanyin	g Zheng,
					Kang Min, Song Tie,	Bo Peng,
					Shisong Fang, Wer	nzhe Su,
					Kuibiao Li, Ruilin Sui	n, Ru bai,
					Xi Tang, Minfeng Lia	ng, Nuno
					Faria, Josh Quick,	Andrew
					Rambaut, Verity Hill,	, Wenjun
					Ma, Nick Loman,	Oliver
					Pybus, Changwen Ke	<u>.</u>
			Guangdong		Jing Lu, Louis du Ple	essis, Liu
			Provincial		Zhe, Jiufeng Sun	, Sarah
	hCoV-		Institution of Public	Guangdong	François, Huifang Li	n, Moritz
EPI_ISL_413883	19/Guangdong/G	Asia / China / 02/02/20	Health, Guangdong	Provincial	Kraemer, Jingju Peng	, Qianlin
LI 1_13L_413003	D2020134-	Guangdong	Provinical Center for	Institution of Public	Xiong, Runyu Yuai	n, Lilian
	P0031/2020		Disease Control and	Health	Zeng, Pingping	Zhou,
			Prevention		Chuming Liang, Tao	Liu, Wei
			1 Tevention		Li, Juan Su, Huanyin	g 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

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Provincial
Institution of Public
Health, Guangdong
Provincial
Institution of Public
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 Institution of Public 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	s, Chan	gwen Ke	
EPI_ISL_413875	hCoV- 19/Guangdong/G DFS2020052- P0025/2020	Asia / China Guangdong	/ 10/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Zhe, Franç Kraen Xiong Zeng, Chum Li, Ju Kang Shison Kuibi Xi Tar Faria, Ramb	Jiufer rois, Hu mer, Jin g, Run g, Pi ning Lia an Su, Min, S ng Far ao Li, F ng, Min Josh Daut, Ve	nis du Ple ng Sun, nifang Lin ngju Peng, yu Yuan ngping ang, Tao l Huanying ong Tie, I ng, Wen Ruilin Sun afeng Lian Quick, erity Hill, Loman, gwen Ke	Sarah n, Moritz n, Qianlin n, Lilian Zhou, Liu, Wei g Zheng, Bo Peng, zhe Su, n, Ru bai, ng, Nuno Andrew Wenjun Oliver
EPI_ISL_413874	hCoV- 19/Guangdong/G DFS2020127-	Asia / China Guangdong	/ 12/02/20	Guangdong Provincial Institution of Public	Guangdong Provincial Institution of Public	Zhe,	Jiufer	iis du Ple ng Sun, uifang Lin	Sarah
	P0026/2020			Health, Guangdong	Health	Kraer	ner, Jin	gju Peng,	Qianlin

			I	Provinical Center for Disease Control and Prevention		Zeng, Chumin Li, Juar Kang M Shisong Kuibiac Xi Tang Faria, Rambau Ma, N	Runyu Pingpi ng Liang, n Su, Hua Min, Song g Fang, o Li, Ruili g, Minfeng Josh Qu ut, Verity Nick Lor	ing Tao Linying Tie, Bo Wenzl n Sun, g Liang tick, A r Hill, V	Zhou, iu, Wei Zheng, o Peng, he Su, Ru bai, z, Nuno Andrew Wenjun
hCo EPI_ISL_413873 19/C Z-S6	Guangdong/G	Asia / China / 28/02/20 Guangdong]]]]	Guangdong Provincial Institution of Public Health, Guangdong Provinical Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Zhe, Françoi Kraeme Xiong, Zeng, Chumin Li, Juan Kang M	Jiufeng Jiufeng is, Huifan er, Jingju Runyu Pingpi ng Liang, n Su, Hua Min, Song G Fang,	Sun, ng Lin, Peng, (Yuan, ing Tao Li anying Tie, Bo	Sarah Moritz Qianlin Lilian Zhou, iu, Wei Zheng, o Peng,

						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
				Guangdong		Xiong, Runyu Yuan, Lilian
				Provincial		Zeng, Pingping Zhou,
	hCoV-			Institution of Public	Guangdong	Chuming Liang, Tao Liu, Wei
EPI_ISL_413872	19/Guangdong/S	Asia / China	/ 28/02/20		Provincial	Li, Juan Su, Huanying Zheng,
EI 1_13L_4136/2	Z-N59-	Guangdong	28/02/20	Health, Guangdong Provinical Center for	Institution of Public	Kang Min, Song Tie, Bo Peng,
	P0049/2020			Disease Control and	Health	Shisong Fang, Wenzhe Su,
				Prevention		Kuibiao Li, Ruilin Sun, Ru bai,
				rievention		Xi Tang, Minfeng Liang, Nuno
						Faria, Josh Quick, Andrew
						Rambaut, Verity Hill, Wenjun
						Ma, Nick Loman, Oliver
						Pybus, Changwen Ke

						Jing Lu, Lo	iis du Ples	ssis, Liu
						Zhe, Jiufe	ng Sun,	Sarah
						François, H	uifang Lin	, Moritz
						Kraemer, Jii	ngju Peng,	Qianlin
				Guangdong		Xiong, Rur	ıyu Yuan,	, Lilian
				Provincial		Zeng, P	ingping	Zhou,
h	nCoV-			Institution of Public	Guangdong	Chuming Li	ang, Tao I	₋iu, Wei
1º EPI_ISL_413871	9/Guangdong/	Asia / China	/ 28/02/20	Health, Guangdong	Provincial	Li, Juan Su,	Huanying	; Zheng,
E11_13L_4136/1 N	MM-S1-	Guangdong	20/02/20	Provinical Center for	Institution of Public	Kang Min, S	ong Tie, F	Зо Peng,
P	20048/2020			Disease Control and	Health	Shisong Fa	ng, Wenz	zhe Su,
				Prevention		Kuibiao Li,	Ruilin Sun,	, Ru bai,
						Xi Tang, Mi	nfeng Lian	g, Nuno
						Faria, Josh	Quick,	Andrew
						Rambaut, V	erity Hill,	Wenjun
						Ma, Nick	Loman,	Oliver
						Pybus, Chai	ıgwen Ke	
				Cuanadona		Jing Lu, Lo	ais du Ples	ssis, Liu
h	nCoV-			Guangdong	Guangdong	Zhe, Jiufe	ng Sun,	Sarah
		Asia / China	/ 28/02/20	Provincial Institution of Public	Provincial	François, H	uifang Lin	, Moritz
	19/Guangdong/F S-S48-P0047/2020	Guangdong	20/02/20		Institution of Public	Kraemer, Jir	ngju Peng,	Qianlin
3				Health, Guangdong Provinical Center for	Health	Xiong, Rur	ıyu Yuan,	, Lilian
						Zeng, P	ingping	Zhou,

				Disease Control and		Chuming Liang, Tao Liu, Wei
				Prevention		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
				Guangdong Provincial Institution of Public		François, Huifang Lin, Moritz
						Kraemer, Jingju Peng, Qianlin
	hCoV-				Guangdong	Xiong, Runyu Yuan, Lilian
EDI ISI /13860	19/Guangdong/F	Asia / China / 28/02/20	12/20	Health, Guangdong	Provincial	Zeng, Pingping Zhou,
LI 1_I3L_413007	S-S42-P0046/2020	Guangdong	02/20	Provinical Center for	Institution of Public	Chuming Liang, Tao Liu, Wei
	3-342-1 0040/2020			Disease Control and	Health	Li, Juan Su, Huanying Zheng,
				Prevention		Kang Min, Song Tie, Bo Peng,
				Trevention		Shisong Fang, Wenzhe Su,
						Kuibiao Li, Ruilin Sun, Ru bai,
					Xi Tang, Minfeng Liang, Nuno	

	EPI_ISL_413868	hCoV- 19/Guangdong/D G-S9-P0045/2020	Asia / China Guangdong	/ 28/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical Center for Disease Control and Prevention	Health	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 Jing Lu, Louis du Plessis, Liu
EPI_ISL_413867 05/02/20	EPI_ISL_413867			05/02/20	0 0	0 0	

	DSZ202015-	Institution of Public Institution of Public	François, Huifang Lin, Moritz
	P0019/2020	Health, Guangdong Health	Kraemer, Jingju Peng, Qianlin
		Provinical Center for	Xiong, Runyu Yuan, Lilian
		Disease Control and	Zeng, Pingping Zhou,
		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
		Guangdong	Jing Lu, Louis du Plessis, Liu
		Provincial	Zhe, Jiufeng Sun, Sarah
	hCoV-	Guangdong Institution of Public	François, Huifang Lin, Moritz
EPI_ISL_413866	19/Guangdong/G Asia / China / 05/02/20	Provincial Health, Guangdong	Kraemer, Jingju Peng, Qianlin
LI 1_13L_413000	DSZ202008- Guangdong	Institution of Public Provinical Center for	Xiong, Runyu Yuan, Lilian
	P0020/2020	Health Disease Control and	Zeng, Pingping Zhou,
		Prevention and	Chuming Liang, Tao Liu, Wei
		revenuon	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

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Provincial Center for
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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 Institution of Public 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/G D2020087- P0008/2020	Asia / China Guangdong	[/] 01/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical 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_413862	hCoV- 19/Guangdong/G D2020086-		/ 01/02/20	Guangdong Provincial Institution of Public	Guangdong Provincial Institution of Public	Jing Lu, Louis du Plessis, Liu Zhe, Jiufeng Sun, Sarah François, Huifang Lin, Moritz
	P0021/2020	Guangdong		Health, Guangdong		Kraemer, Jingju Peng, Qianlin

				Provinical Center for Disease Control and Prevention		Zeng, Chumin Li, Juar Kang M Shisong Kuibiac Xi Tang Faria, Ramban Ma, N	Runyu Pingpi ng Liang, n Su, Hua Min, Song g Fang, o Li, Ruili g, Minfeng Josh Qu ut, Verity Nick Lo: Changwe	ing Tao Li anying Tie, Bo Wenzh n Sun, I g Liang nick, A r Hill, V	Zhou, iu, Wei Zheng, o Peng, he Su, Ru bai, y, Nuno Andrew Wenjun
EPI_ISL_413861	hCoV- 19/Guangdong/G D2020080- P0010/2020	Asia / China / 0 Guangdong	01/02/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Zhe, Françoi Kraeme Xiong, Zeng, Chumin Li, Juan Kang M	Jiufeng Jiufeng Jiufeng Jingju Runyu Pingpi ng Liang, n Su, Hua Jin, Song G Fang,	Sun, ng Lin, Peng, (Yuan, ing Tao Li anying	Sarah Moritz Qianlin Lilian Zhou, iu, Wei Zheng, o Peng,

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, Institution of Public 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

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Provincial
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Disease Control and
Prevention

Guangdong
Provincial
Institution of
Health

EPI_ISL_413859	hCoV- 19/Guangdong/2 020XN4276- P0037/2020	Asia / China Guangdong	/ 31/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical 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/2 020XN4459- P0041/2020	Asia / China Guangdong	/ 30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical 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
EPI_ISL_413857	hCoV- 19/Guangdong/2 020XN4448- P0002/2020	Asia / China / 31/01/20 Guangdong	Institution of Public Health, Guangdong Provinical 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, 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

Disease Control and Prevention Kuibiao Li, Xi Tang, Mi Faria, Josh Rambaut, V Ma, Nick Pybus, Cha	nfeng Liang Quick, A erity Hill, Loman, ngwen Ke	Zhoo liu, W Zhen o Pen lhe S Ru ba Ru ba g, Nur Andre Wenju Olivo	hou, Wei eng, Su, bai, Juno Irew njun liver
EPI_ISL_413855 07/02/20 Provincial Provincial Zhe, Jiufe		Sara	

	D2020234-	Institution of Public Institution of Public	François, Huifang Lin, Moritz
	P0023/2020	Health, Guangdong Health	Kraemer, Jingju Peng, Qianlin
		Provinical Center for	Xiong, Runyu Yuan, Lilian
		Disease Control and	Zeng, Pingping Zhou,
		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
EPI_ISL_413854	hCoV- 19/Guangdong/2 Asia / China / 020XN4475- Guangdong P0042/2020	Provinical Center for 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

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Health, Guangdong
Provincial
Institution of Public
Institution of Public
Health
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 Institution of Public 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	s, Chan	gwen Ke	
hCoV- 19/Guangdo 020XN4433- P0040/2020		30/01/20	Guangdong Provincial Institution of Public Health, Guangdong Provinical Center for Disease Control and Prevention	Guangdong Provincial Institution of Public Health	Zhe, Franço Kraen Xiong Zeng, Chum Li, Jua Kang Shison Kuibia Xi Tar Faria, Ramb Ma,	Jiufer ois, Hu ner, Jin r, Run Pi ning Li an Su, Min, S ng Far ao Li, F ng, Mir Josh aut, Ve Nick	is du Ple ng Sun, iifang Lin gju Peng, yu Yuan ngping ang, Tao I Huanying ong Tie, I ng, Wen Ruilin Sun ifeng Lian Quick, erity Hill, Loman, gwen Ke	Sarah J., Moritz Qianlin J., Lilian Zhou, Liu, Wei J., Zheng, J., Ru bai, J., Wenjun
hCoV- 19/Guangdo EPI_ISL_413851 020XN4373- P0039/2020	S	30/01/20	Guangdong Provincial Institution of Public Health, Guangdong	Guangdong Provincial Institution of Public Health	Zhe, Franço	Jiufei ois, Hu	iis du Ple ng Sun, iifang Lin gju Peng,	Sarah , Moritz

			Provinical Center for		Xiong, Runy	u Yuan,	Lilian
			Disease Control and		Zeng, Pin	gping	Zhou,
			Prevention		Chuming Lian	ng, Tao L	iu, Wei
					Li, Juan Su, H	luanying	Zheng,
					Kang Min, So	ng Tie, B	o Peng,
					Shisong Fang	z, Wenz	he Su,
					Kuibiao Li, Ru	ıilin Sun,	Ru bai,
					Xi Tang, Minfo	eng Liang	z, Nuno
					Faria, Josh	Quick, A	Andrew
					Rambaut, Ver	ity Hill, V	Wenjun
					Ma, Nick	Loman,	Oliver
					Pybus, Chang	wen Ke	
					Jing Lu, Louis	du Ples	sis, Liu
	hCoV- 19/Guangdong/G DFS2020054- P0005/2020		Guangdong Provincial Institution of Public	Guangdong Provincial	Zhe, Jiufeng	g Sun,	Sarah
					François, Huit	fang Lin,	Moritz
					Kraemer, Jing	ju Peng, (Qianlin
EPI_ISL_413850		Asia / China /			Xiong, Runy	u Yuan,	Lilian
		Guangdong 10/02/20	Health, Guangdong	Institution of Public	Zeng, Pin	gping	Zhou,
			Provinical Center for	Health	Chuming Lian	ng, Tao L	iu, Wei
			Disease Control and		Li, Juan Su, H	luanying	Zheng,
			Prevention		Kang Min, So	ng Tie, B	o Peng,
					Shisong Fang	z, Wenz	he 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_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/WF000 3/2020	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/WF000 2/2020	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/WF000 1/2020	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 Mendorça, Luís Vieira, João Tiago Guimarães, Joana Isidro, Vítor Borges, João Paulo Gomes

hCoV-							Raquel Guion	nar, Inês	Costa,
	h.CaV				Centro Hospital do		Pedro Pec	hirra,	Joana
EDI ICI 412647		Енторо	/ Dombuccol	01/02/20	Porto, E.P.E H.	Instituto Nacional de	Mendonça,	Luís	Vieira,
EP1_15L_413047	19/Portugal/CV6	Europe	e / Portugai	01/03/20	Geral de Santo	Saude (INSA)	Helena Ramo	s, Joana	Isidro,
	2/2020				Antonio		Vítor Borges	, João	Paulo
							Gomes		
							Clinton R. Pa	den, Yin	g Tao,
							Krista Queen,	Anna U	Jehara,
						Pathogen Discovery,	Jing Zhang,	Yan Li,	Haibin
	hCoV- 19/USA/CruiseA- 18/2020	North America USA			Respiratory Viruses	Wang, Shifaq	Kamili, X	iaoyan	
			Amorica	1		Branch, Division of	Lu, Brian	Lynch,	Senthil
EPI_ISL_413623			America	24/02/20	unknown	Viral Diseases,	Kumar K. Sal	kthivel, B	Brett L.
						Centers for Dieases	Whitaker, Liju	an Wang,	, Janna'
						Control and	R. Murray, Ja	asmine I	Padilla,
						Prevention	Justin Lee, St	usan I. (Gerber,
							Stephen Lind	strom, S	uxiang
							Tong		
						Pathogen Discovery,	Clinton R. Pa	den, Yin	g Tao,
	hCoV-	North	Amorica	1		Respiratory Viruses	Krista Queen,	Anna l	Jehara,
EPI_ISL_413622	19/USA/CruiseA-	North USA	America /	24/02/20	unknown	Branch, Division of	Jing Zhang,	Yan Li,	Haibin
	17/2020	UJA				Viral Diseases,	Wang, Shifaq	Kamili, X	iaoyan
	,					Centers for Dieases	Lu, Brian	Lynch,	Senthil

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

						Control	and	Kumar K. Sakthivel, Brett L.
						Prevention		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,
		North Ar USA				Pathogen Discov	ery,	Jing Zhang, Yan Li, Haibin
			America /			Respiratory Vir	uses	Wang, Shifaq Kamili, Xiaoyan
	hCoV- 19/USA/CruiseA- 14/2020			1	unknown	Branch, Division	n of	Lu, Brian Lynch, Senthil
EPI_ISL_413619				25/02/20		Viral Disea	ases,	Kumar K. Sakthivel, Brett L.
						Centers for Die	ases	Whitaker, Lijuan Wang, Janna'
						Control	and	R. Murray, Jasmine Padilla,
						Prevention		Justin Lee, Susan I. Gerber,
								Stephen Lindstrom, Suxiang
hCoV- EPI_ISL_413618 19/USA/C 13/2020								Tong
						Pathogen Discov	ery,	Clinton R. Paden, Ying Tao,
	hCoV-	North	America	1		Respiratory Vir	uses	Krista Queen, Anna Uehara,
	19/USA/CruiseA-	USA	America /	20/02/20	unknown	Branch, Division	n of	Jing Zhang, Yan Li, Haibin
	13/2020	UUA				Viral Disea	ases,	Wang, Shifaq Kamili, Xiaoyan
						Centers for Die	ases	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,
		North Amer USA				Pathogen Discovery,	Jing Zhang, Yan Li, Haibin
						Respiratory Viruses	Wang, Shifaq Kamili, Xiaoyan
	hCoV- 19/USA/CruiseA- 12/2020		A	1	unknown	Branch, Division of	Lu, Brian Lynch, Senthil
EPI_ISL_413617			America	20/02/20		Viral Diseases,	Kumar K. Sakthivel, Brett L.
						Centers for Dieases	Whitaker, Lijuan Wang, Janna'
						Control and	R. Murray, Jasmine Padilla,
						Prevention	Justin Lee, Susan I. Gerber,
							Stephen Lindstrom, Suxiang
							Tong
hCoV- EPI_ISL_413616 19/USA/Cruis 11/2020						Pathogen Discovery,	Ying Tao, Clinton R. Paden,
	hCoV-	North	America	/		Respiratory Viruses	Krista Queen, Anna Uehara,
	19/USA/CruiseA-	USA	7 MILETICA	17/02/20	unknown	Branch, Division of	Jing Zhang, Yan Li, Haibin
	11/2020					Viral Diseases,	Wang, Shifaq Kamili, Xiaoyan
						Centers for Dieases	Lu, Brian Lynch, Senthil

						Control and	Kumar K. Sakthivel, Brett L.
						Prevention	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
		North USA	America /			Respiratory Viruses	Wang, Shifaq Kamili, Xiaoyan
	hCoV- 19/USA/CruiseA- 10/2020			/ 17/02/20	unknown	Branch, Division of	Lu, Brian Lynch, Senthil
EPI_ISL_413615						Viral Diseases,	Kumar K. Sakthivel, Brett L.
						Centers for Dieases	Whitaker, Lijuan Wang, Janna'
						Control and	R. Murray, Jasmine Padilla,
						Prevention	Justin Lee, Susan I. Gerber,
							Stephen Lindstrom, Suxiang
							Tong
						Pathogen Discovery,	Ying Tao, Clinton R. Paden,
j	hCoV-	North	America	/		Respiratory Viruses	Krista Queen, Anna Uehara,
EPI_ISL_413614	19/USA/CruiseA-	USA	America /	17/02/20	unknown	Branch, Division of	Jing Zhang, Yan Li, Haibin
9	9/2020	0011				Viral Diseases,	Wang, Shifaq Kamili, Xiaoyan
						Centers for Dieases	Lu, Brian Lynch, Senthil

						Control and	Kumar K. Sakthivel, Brett L.
						Prevention	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
		North USA	America			Respiratory Viruses	Wang, Shifaq Kamili, Xiaoyan
	hCoV- 19/USA/CruiseA- 8/2020			/ 17/02/20	unknown	Branch, Division of	Lu, Brian Lynch, Senthil
EPI_ISL_413613						Viral Diseases,	Kumar K. Sakthivel, Brett L.
						Centers for Dieases	Whitaker, Lijuan Wang, Janna'
						Control and	R. Murray, Jasmine Padilla,
						Prevention	Justin Lee, Susan I. Gerber,
							Stephen Lindstrom, Suxiang
							Tong
						Pathogen Discovery,	Ying Tao, Clinton R. Paden,
EPI_ISL_413612 19	hCoV-	North	America	/		Respiratory Viruses	Krista Queen, Anna Uehara,
	19/USA/CruiseA-	USA	America /	17/02/20	unknown	Branch, Division of	Jing Zhang, Yan Li, Haibin
	7/2020	0011				Viral Diseases,	Wang, Shifaq Kamili, Xiaoyan
						Centers for Dieases	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 USA	America	/ 21/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases 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 USA	America	/ 21/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases Control and Prevention	Queen, Jing Zhang, Yan Li,

EPI_ISL_413609	hCoV- 19/USA/CruiseA- 4/2020	North USA	America	/ 21/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases 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 USA	America	/ 18/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases 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 USA	America	/ 18/02/20	unknown	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases	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	Christopher A. Elkins, Susan I.
						Prevention	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 Dieases 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/FIN01 032020/2020	Europe / Finland / Helsinki	01/03/20	Department Virology Immunology University Helsinki Helsinki Un Hospital, Finland	and of and niversity	•	
EPI_ISL_413604	hCoV- 19/Finland/FIN03 032020C/2020	Europe / Finland / Helsinki	03/03/20	Department Virology Immunology University	and	Department of Virology, Faculty of Medicine, University of	

				Helsinki	an	l Helsinki,	Helsinki,			
				Helsinki	Universit	7 Finland				
				Hospital,	Husla)				
				Finland						
				Departme	nt c	f				
				Virology	an	l Departme	ent of			
	hCaV			Immunolo	gy,	Virology,	Faculty of			
EDI ICI 412/02	hCoV-	Europe / Finland /	02/02/20	University	7	f Medicine,	,	Teemu	Smura,	Hannimari
EP1_ISL_413603	19/Finland/FIN03	Helsinki	03/03/20	Helsinki	an	d University	y of	Kallio-Ko	okko, Olli	Vapalahti
	032020B/2020			Helsinki	Universit	Helsinki,	Helsinki,			
				Hospital,	Husla	Finland				
				Finland						
				Departme	nt c	f				
				Virology	an	l Departme	ent of			
	1.C. V			Immunolo	gy,	Virology,	Faculty of			
EDI ICI 412/02	hCoV-	Europe / Finland /	02/02/20	University	, (f Medicine,	,	Teemu	Smura,	Hannimari
EPI_ISL_413602		Helsinki	03/03/20	Helsinki	an	d University	y of	Kallio-Ko	okko, Olli	Vapalahti
	032020A/2020			Helsinki	Universit	Helsinki,	Helsinki,			
				Hospital,	Husla	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/NS W14/2020	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/NS W13/2020	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/NS W12/2020	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/NS W11/2020	Oceania / Australia / NSW / Sydney	02/03/20	Centre for Infectious Diseases and Microbiology- Public Health	NSW Health Pathology - Institute of Clinical Pathology	NA

					and	Medical			
					Research				
EPI_ISL_413596	hCoV- 19/Australia/NS W10/2020	Oceania / Australia / NSW / Sydney	28/02/20	Centre for Infectious Diseases and Microbiology - Public Health	NSW Pathology - of Clinical F and Research		NA		
EPI_ISL_413595	hCoV- 19/Australia/NS W09/2020	Oceania / Australia / NSW / Sydney	28/02/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Pathology - of Clinical F and Research		NA		
EPI_ISL_413594	hCoV- 19/Australia/NS W08/2020	Oceania / Australia / NSW / Sydney	28/02/20	Centre for Infectious Diseases and Microbiology Laboratory Services	NSW Pathology - of Clinical F and Research		NA		
EPI_ISL_413593	hCoV- 19/Luxembourg/ Lux1/2020	Europe / Luxembourg	29/02/20	Laboratoire National de Santé	Erasmus Center	Medical	David Oude Sikkema Schaper Chestak	Munnink,	Reina Claudia Irina

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/NTU0 3/2020	Asia / Taiwan Taipei	/ 02/03/20	Department of Laboratory Medicine, National Taiwan University Hospital	Taiwan University Centers of Genomic	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_13650 80/2020	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 Kampen, Jolanda van 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 Dutch national COVID-19 response team.

hCoVEurope /
19/Netherlands/
Utrecht_1363628/
2020

Europe /
Netherlands / 01/03/20 MHC Utrecht
Center

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 Kampen, Jolanda van 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

Munnink,

Reina

Irina

Claudia

Jolanda

Timen,

Aura

Richard Molenkamp, Marion Koopmans, on behalf of the

Oude

Sikkema,

Schapendonk, Chestakova, Anne van der Linden, Mark Pronk, Pascal hCoV-Lexmond, Corien Swaan, Europe 19/Netherlands/ Medical Manon Haverkate, Madelief Erasmus EPI_ISL_413588 Netherlands / 01/03/20 MHC Utrecht Utrecht_1363564/ Center Mollers, Mart Stein, Sandra Utrecht 2020 Kengne Kamga Mobou, Jeroen Kampen, van Voermans, Corine GeurtsvanKessel, Annemiek van der Eijk,

Dutch national COVID-19

							Buten 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,
	hCoV-	Europe	/	Foundation			Manon Haverkate, Madelief
EPI_ISL_413587	19/Netherlands/T	Netherlands	/ 03/03/20	Elisabeth-	Erasmus	Medical	Mollers, Mart Stein, Sandra
El 1_13L_413367	ilburg_1364286/2	Tilburg	/ 03/03/20	Tweesteden	Center		Kengne Kamga Mobou, Jeroen
	020	Tilbuig		Ziekenhuis			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.

hCoV- 19/Netherla: ilburg_1363: 020	Netherlands	/ / 27/02/20	Foundation Elisabeth- Tweesteden Ziekenhuis	Erasmus 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 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.
hCoV- EPI_ISL_413585 19/Netherla ilburg_/2020		/ / 2020	unknown	Erasmus Center	David Nieuwenhuijse, Bas Medical 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.

							David N	Iieuwenhuijs	se, Bas
							Oude	Munnink,	Reina
	hCoV-	E	/				Sikkema,		Claudia
EDI ICI 412504	19/Netherlands/ Rotterdam_13647	Europe	/ 02/02/20	,	Erasmus	Medical	Schapendo	onk,	Irina
EPI_ISL_413584		Netherlands	/ 03/03/20	unknown	Center		Chestakov	a, Anne v	7an der
	40/2020	Rotterdam					Linden, N	Mark Pronk,	, Pascal
							Lexmond,	Corien	Swaan,
							Manon H	Iaverkate, N	Madelief

40/2020

Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

Nieuwenhuijse,

Kampen,

Aura

Bas

Reina

Irina

Claudia

Jolanda

Timen,

Oude Munnink, Sikkema, Schapendonk, Chestakova, Anne van der Medical Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen

van

Voermans,

David

hCoV-Europe 19/Netherlands/ MHC Rotterdam- Erasmus EPI_ISL_413583 Netherlands / 02/03/20 Rotterdam 13640 Rijnmond Center Rotterdam

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, Medical Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion

Koopmans, on behalf of the

hCoVEurope /
19/Netherlands/
Rotterdam_13637
90/2020

Europe /
Netherlands / 01/03/20 ErasmusMC
Rotterdam
90/2020

Erasmus Medical
Center

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 Medical Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van 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,
	hCoV-	F	1			Manon Haverkate, Madelief
EDI ICI 410500	19/Netherlands/	Europe	/ 02/02/20	MHC Hart voor	Erasmus Medical	Mollers, Mart Stein, Sandra
EPI_ISL_413580	Oisterwijk_13640	Netherlands	/ 02/03/20	Brabant	Center	Kengne Kamga Mobou, Jeroen
	72/2020	Oisterwijk				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.
	hCoV-	E	1			David Nieuwenhuijse, Bas
EDI ICI 412570	19/Netherlands/	Europe Notherlande	/ 02/02/20	MIIC Handley day	Erasmus Medical	Oude Munnink, Reina
EPI_ISL_413579	Nootdorp_13642	Netherlands	/ 03/03/20	MHC Haaglanden	Center	Sikkema, Claudia
2	22/2020	Nootdorp				Schapendonk, Irina

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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.

							David Nie	euwenhuijs	se, Bas
							Oude M	Iunnink,	Reina
	hCoV-	E	1				Sikkema,		Claudia
EDI ICI 412570	19/Netherlands/	Europe	/ 01/02/20	E M.C.	Erasmus	Medical	Schapendor	nk,	Irina
EPI_ISL_413578	Nieuwendijk_136	Netherlands	/ 01/03/20	ErasmusMC	Center		Chestakova	, Anne v	van der
	3582/2020	Nieuwendijk					Linden, Ma	ark Pronk	, Pascal
							Lexmond,	Corien	Swaan,
							Manon Ha	verkate, 1	Madelief

hCoV-

4/2020

EPI_ISL_413577

19/Netherlands/

Naarden_136477

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 Europe MHC Gooi & Erasmus Medical Linden, Mark Pronk, Pascal Netherlands / 02/03/20 Vechtstreek Center Lexmond, Corien Swaan, Naarden Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van Voermans, Aura Timen,

Center

RIVM

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, Medical Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the

hCoV-Europe 19/Netherlands/L Netherlands / Loon 29/02/20 oon_op_zand_13

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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 Medical Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk, Richard Molenkamp, Marion Koopmans, on behalf of the Dutch national COVID-19 response team.

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Houten_1363498/
2020

Europe /
Netherlands / 29/02/20 RIVM
Houten

						David Nieuwenhuijse, Bas
						Oude Munnink, Reina
						Sikkema, Claudia
						Schapendonk, Irina
						Chestakova, Anne van der
						Linden, Mark Pronk, Pascal
						Lexmond, Corien Swaan,
	hCoV-	Europe	/			Manon Haverkate, Madelief
EPI_ISL_413574	19/Netherlands/	Netherlands	/ 29/02/20	MHC West-Brabant	Erasmus Medical	Mollers, Mart Stein, Sandra
LI 1_13L_413374	Helmond_136354	Helmond	7 27/02/20	WITTE VVEST-DIADAIN	Center	Kengne Kamga Mobou, Jeroen
	8/2020	Temona				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.
	hCoV-	Europe	/	Dienst Gezondheid		David Nieuwenhuijse, Bas
EPI_ISL_413573	19/Netherlands/	Netherlands	/ 02/03/20	& Jeugd Zuid-	Erasmus Medical	Oude Munnink, Reina
	Hardinxveld_Gie	Hardinxveld Giessendam	<i>z</i> =, <i>zz</i> , = <i>z</i>	We Jeuga Zuid-	Center	Sikkema, Claudia
	Harainxveia_Gie (Schapendonk, Irina

	ssendam_136480 6/2020					Chestakova, Anne v	an der	
							Linden, Mark Pronk,	Pascal
							Lexmond, Corien	Swaan,
							Manon Haverkate, M	/Iadelief
							Mollers, Mart Stein,	Sandra
							Kengne Kamga Mobou	ı, Jeroen
							van Kampen,	Jolanda
							Voermans, Aura	Timen,
							Corine Geurtsvar	nKessel,
							Annemiek van der	r Eijk,
							Richard Molenkamp,	Marion
							Koopmans, on behalf	of the
							Dutch national CC)VID-19
							response team.	
							David Nieuwenhuijs	e, Bas
EPI_ISL_413572	hCoV- 19/Netherlands/ Haarlem_136368 8/2020	Europe Netherlands Haarlem	/ / 01/03/20	MHC Kennemerland			Oude Munnink,	Reina
					Erasmus Medic Center		Sikkema,	Claudia
						Medical	Schapendonk,	Irina
							Chestakova, Anne v	an der
							Linden, Mark Pronk,	Pascal
							Lexmond, Corien	Swaan,
							Manon Haverkate, M	/Iadelief

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.

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hCoVEurope /
Netherlands / 02/03/20
Eindhoven

Zuidoost Center

Zuidoost

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

Center

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, Medical Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van Voermans, Aura Timen, Corine GeurtsvanKessel, Annemiek van der Eijk,

> Richard Molenkamp, Marion Koopmans, on behalf of the

hCoVEUrope /

EPI_ISL_413570 Europe /
Diemen_1363454
/2020 RIVM
Diemen
Diemen

Erasmus

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 Medical Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van 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	Europe etherlands/ Netherlands n_1363624/2 Dalen	/ / 01/03/20	MHC Drente	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 413567	Europe etherlands/ Netherlands orden_1363 Coevorden	/ 2020	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 Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van 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,

Manon Haverkate, Madelief

Bas

Reina

Irina

Claudia

Oude Munnink, hCoV-Sikkema, Europe 19/Netherlands/B MHC & Erasmus Medical Schapendonk, Gooi Netherlands EPI_ISL_413566 / 02/03/20 laricum_1364780/ Vechtstreek Chestakova, Anne van der Center Blaricum 2020 Linden, Mark Pronk, Pascal Lexmond, Corien Swaan,

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.

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2020

Europe /

Europe /

Erasmus Medica

Center

Berlicum

2020

David Nieuwenhuijse, Bas Oude Munnink, Reina Sikkema, Claudia Schapendonk, Irina Chestakova, Anne van der Medical Linden, Mark Pronk, Pascal Lexmond, Corien Swaan, Manon Haverkate, Madelief Mollers, Mart Stein, Sandra Kengne Kamga Mobou, Jeroen Kampen, Jolanda van 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
	hCoV-	Europe					Lexmond, Corien Swaan,
EPI_ISL_413564	19/Netherlands/	Netherlands	/ 01/03/20	MHC West-Brabant	Erasmus	Medical	Manon Haverkate, Madelief
EI 1_13L_413304	Andel_1365066/2	Andel	/ 01/03/20	WITTE West-brabant	Center		Mollers, Mart Stein, Sandra
	020	Ander					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.		
	hCoV-	NI-oth Associated			Pavitra Roychoudhury, Hong		
EPI_ISL_413563	19/USA/WA12-	North America / 03/03/20	UW Virology Lab	UW Virology Lab	Xie, Keith Jerome, Alexander		
UW8/2020	UW8/2020	USA / Washington			Greninger		
	hCoV-	NI-oth Associated			Pavitra Roychoudhury, Hong		
EPI_ISL_413562 19/USA UW7/2	19/USA/WA11-	North America / 02/03/20	UW Virology Lab	UW Virology Lab	Xie, Keith Jerome, Alexander		
	UW7/2020	USA / Washington			Greninger		
				Chiu Laboratory,	Xianding Deng, Scot		
				UCSF-Abbott Viral	Federman, Guixia Yu, Chao-		
	hCoV-	North America /	California	Diagnostics and	Yang Pan, Hugo Guevara,		
EPI_ISL_413561	19/USA/CA-	USA / California / 27/02/20	Department of	Discovery Center,	Alicia Sotomayor-Gonzalez,		
	CDPH-UC4/2020	Solano County	Public Health	University of	Allan Gopez, Wei Gu, Steve		
				California, San	Miller, Debra A. Wadford, and		
				Francisco	Charles Y. Chiu		
EPI_ISL_413560	hCoV- 19/USA/WA- S3/2020	North America / 28/02/20 USA / Washington	Seattle Flu Study	Seattle Flu Study	Chu et al		
	hCoV-	North America /	California	Chiu Laboratory,	Xianding Deng, Scot		
EDI ICI 412EEO		,	California Department of Public Health	UCSF-Abbott Viral	Federman, Guixia Yu, Chao-		
EPI_ISL_413559		USA / California / 27/02/20			Yang Pan, Hugo Guevara,		
	CDPH-UC3/2020	Solano County		Discovery Center,	Alicia Sotomayor-Gonzalez,		

				University of	Allan Gopez, Wei Gu, Steve
				California, San	Miller, Debra A. Wadford, and
				Francisco	Charles Y. Chiu
				Chiu Laboratory,	Xianding Deng, Scot
				UCSF-Abbott Viral	Federman, Guixia Yu, Chao-
	hCoV-	North America /	California	Diagnostics and	Yang Pan, Hugo Guevara,
EPI_ISL_413558	19/USA/CA-	USA / California / 27/02/20	Department of	Discovery Center,	Alicia Sotomayor-Gonzalez,
	CDPH-UC2/2020	Solano County	Public Health	University of	Allan Gopez, Wei Gu, Steve
				California, San	Miller, Debra A. Wadford, and
				Francisco	Charles Y. Chiu
				Chiu Laboratory,	Xianding Deng, Scot
				ř	Xianding Deng, Scot Federman, Guixia Yu, Chao-
	hCoV-	North America /	California	UCSF-Abbott Viral	
EPI_ISL_413557		North America / USA / California / 2020		UCSF-Abbott Viral Diagnostics and	Federman, Guixia Yu, Chao-
EPI_ISL_413557				UCSF-Abbott Viral Diagnostics and Discovery Center,	Federman, Guixia Yu, Chao- Yang Pan, Hugo Guevara,
EPI_ISL_413557	19/USA/CA-	USA / California / 2020	Department of	UCSF-Abbott Viral Diagnostics and Discovery Center, University of	Federman, Guixia Yu, Chao- Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez,
EPI_ISL_413557	19/USA/CA-	USA / California / 2020	Department of	UCSF-Abbott Viral Diagnostics and Discovery Center, University of	Federman, Guixia Yu, Chao- Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez, Allan Gopez, Elaine Hsu, Wei
EPI_ISL_413557	19/USA/CA-	USA / California / 2020 Sonoma County	Department of Public Health	UCSF-Abbott Viral Diagnostics and Discovery Center, University of California, San Francisco Public Health Wales	Federman, Guixia Yu, Chao- Yang Pan, Hugo Guevara, Alicia Sotomayor-Gonzalez, Allan Gopez, Elaine Hsu, Wei Gu, Steve Miller, Debra A.
	19/USA/CA- CDPH-UC1/2020	USA / California / 2020	Department of	UCSF-Abbott Viral Diagnostics and Discovery Center, University of California, San Francisco Public Health Wales	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_413555	hCoV- 19/Wales/PHW1/ 2020	Europe / United Kingdom / Wales	27/02/20	Wales S _l Virology Cen	pecialist ntre	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	Virology (CHAZVY), of M University Lagos/Lagos University T Hospital (part of	Coonotic College Iedicine of Ceaching (LUTH), the Jetwork a Centre	Infectious Diseases	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 Cou Medical Re National Inst Virology	esearch-	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/235/20 20	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/233/20 20	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/231/20 20	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		Microbiology, Institute for Viral Diseases, College of	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
EPI_ISL_413515	hCoV-19/South Korea/KUMC05/ 2020	Asia / South Korea	27/02/20	Infectious Diseases, Department of	Institute for Viral Diseases, College of Medicine, Korea	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_413514	hCoV-19/South Korea/KUMC04/ 2020	Asia / South Korea		Microbiology, Institute for Viral Diseases, College of	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
			Division of	Department of	Bae, Jungmin Lee, Jin Gu
				-	Yoon, Heedo Park, Juyoung
	hCoV-19/South	/ Asia / South Korea 27/02/20	Infectious Diseases,	0,	Cho, Jeonghun Kim, Gee Eun
EPI_ISL_413513 Korea/KUMC03 2020	Korea/KUMC03/		1	Institute for Viral	Lee, Cui Chunguang, Kyeong-
	2020		Internal Medicine,	Diseases, College of	ryeol Shin, Ji Yun Noh, Joon
			Korea University	Medicine, Korea	Young Song, Hee Jin Cheong,
			College of Medicine	University	
					Woo Joo Kim, Jin Il Kim, Man-
					Seong Park
		Oceania / New Zealand / 27/02/20 Auckland		Institute of	Matt Storey, Xiaoyun Ren,
EDI ICI 412400	hCoV-19/New		A continue d II o control	Environmental	Gary McAuliffe, Sally Roberts,
EPI_ISL_413490	Zealand/01/2020		Auckland Hospital	Science and	Matthew Blakiston, Erasmus
				Research (ESR)	Smit, Lauren Jelly, Joep de Ligt
					R.A Diotti, E. Criscuolo, M.
			Laboratorio di	Laboratorio di	Castelli, V. Caputo, R.
	hCoV-	Europe / Italy /	Microbiologia e	Microbiologia e	Ferrarese, M. Sampaolo, E.
EPI_ISL_413489	19/Italy/UniSR1/	03/03/20	Virologia, Università	Virologia, Università	Boeri, I. Negri, V. Amato, G.
	2020	Lombardy / Milan	Vita-Salute San	Vita-Salute San	Lo Raso, C. Di Resta, R.
			Raffaele, Milano	Raffaele, Milano	Burioni, M. Clementi, N.
					Mancini & N. Clementi

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

					Tsuyoshi Sekizuka, Kentaro
					Itokawa, Takuya Adachi,
				D.d. C.	Masahiro Sano, Jun Yamazaki,
	hCoV-		Department of	Pathogen Genomics	Ippei Miyamoto, Haruka
EPI_ISL_413459	19/Japan/TK/20-	Asia / Japan / 20/02/20	Pathology, Toshima	Center, National	Nishioka, Ja-Mun Chong,
	31-3/2020	Tokyo	Hospital	Institute of	Noriko Nakajima, Yuko Sato,
				Infectious Diseases	Minoru Tobiume, Harutaka
					Katano, Tadaki Suzuki,
					Makoto Kuroda
	hCoV-	NI (I A ' /	Washington State		Pavitra Roychoudhury, Arun
EPI_ISL_413458	19/USA/WA7-	North America / 01/03/20		UW Virology Lab	Nalla, Hong Xie, Keith Jerome,
	UW4/2020	USA / Washington	Public Health Lab		Alexander Greninger
	hCoV-	NT d A ' /	XA7 1:		Pavitra Roychoudhury, Arun
EPI_ISL_413457	19/USA/WA6-	North America / 29/02/20	Washington State	UW Virology Lab	Nalla, Hong Xie, Keith Jerome,
	UW3/2020	USA / Washington	Public Health Lab		Alexander Greninger
	hCoV-	North America /			
EPI_ISL_413456	19/USA/WA-	USA / Washington 20/02/20	Seattle Flu Study	Seattle Flu Study	Chu et al
	S2/2020	/ King County			
	hCoV-	Nauth America /	Minal Contract Chair	University of	Pavitra Roychoudhury, Arun
EPI_ISL_413455	19/USA/WA4-	North America / 28/02/20	Washington State	Washington	Nalla, Hong Xie, Keith Jerome,
	UW2/2020	USA / Washington	Public Health Lab	Virology Lab	Alexander Greninger

	hCoV-	Europe / United		West of Sc	otland	MRC-Uni	versity of			
EPI_ISL_413221	19/Scotland/CVR	Kingdom /	02/03/20	Specialist Vi	irology	Glasgow	Centre for	Emma T	homson, An	tonia Ho
	01/2020	Scotland		Centre, NHSG	GC	Virus Rese	earch			
EPI_ISL_413214	hCoV- 19/Australia/NS W07/2020	Oceania / Australia / New South Wales / Sydney	29/02/20	Centre for Infe Diseases Microbiology Laboratory Ser	and	•••	Health - Institute Pathology Medical			
EPI_ISL_413213	hCoV- 19/Australia/NS W06/2020	Oceania / Australia / New South Wales / Sydney	29/02/20	Centre for Infe Diseases Microbiology Laboratory Ser	and	•••	Health - Institute Pathology Medical			
EPI_ISL_413024	hCoV- 19/Switzerland/1 000477806/2020	Europe / Switzerland / Zurich	29/02/20	Division Infectious Dis University He Zurich		Institute of Virology, of Zurich	of Medical University	Huder, Andrea Michael	•	Roberto

	16. V	Europa	/ / 29/02/20	Division Infectious University	of Diseases,	Institute of Medical Virology, University of Zurich	Stefan Zaheri, Gabriela	Schmutz, Verena Ziltener,	Maryam Kufner, Patrick
EPI_ISL_413023	hCoV- 19/Switzerland/1	Europe Switzerland					Redli, I	Fiona Stei	ner, Jon
E1 1_13L_413023	000477797/2020	Zurich	/ 2//02/20		Hospital		Huder,	Riccarda	Capaul,
	00047777772020	Zurien		Zurich		of Zurich	Andrea	Zbinden, Ji	ürg Böni,
							Michael	Huber,	Roberto
							Speck, A	lexandra Trl	kola
							Stefan	Schmutz,	Maryam
	hCoV- 19/Switzerland/1 000477796/2020		/ / 29/02/20				Zaheri,	Verena	Kufner,
		Europe		Division	Infectious Diseases,	Institute of Medical	Gabriela	Ziltener,	Patrick
FPI ISI 413022		/1 Switzerland		Infectious		Virology, University of Zurich	Redli, I	Fiona Stei	ner, Jon
LI 1_13L_ 1 13022				University	Hospital		Huder,	Riccarda	Capaul,
		Zurien		Zurich			Andrea	Zbinden, Ji	ürg Böni,
							Michael	Huber,	Roberto
							Speck, A	lexandra Trl	kola
							Stefan	Schmutz,	Maryam
	hCoV-	Europe	/			Institute of Medical	Zaheri,	Verena	Kufner,
FPI ISI 413021	19/Switzerland/1	Switzerland	/ 29/02/20	Klinik I	Hirslanden	Virology, University	Gabriela	Ziltener,	Patrick
E1 1_13L_413021	000477757/2020	Zurich	/ 27/02/20	Zurich		of Zurich	Redli, I	Fiona Stei	ner, Jon
	0004///3//2020	Zaricii				of Zurich	Huder,	Riccarda	Capaul,
							Andrea	Zbinden, Ji	ürg Böni,

							Michael	Huber,	Christian
							Ruef, Ale	exandra Tr	kola
							Stefan	Schmutz,	Maryam
							Zaheri, V	erena Kuf	ner, Patrick
	hCoV-	Europe	/	Department	of	Institute of Medical	Redli, I	Fiona St	einer, Jon
EPI_ISL_413020	19/Switzerland/1	Switzerland	/ 27/02/20	Internal Medi	cine,	Virology, University	Huder,	Riccarda	Capaul,
	000477377/2020	Zurich		Triemli Hospital	l	of Zurich	Andrea .	Zbinden,	Jürg Böni,
							Michael l	Huber, Ge	erhard Eich,
							Alexandr	a Trkola	
							Stefan	Schmutz,	Maryam
							Zaheri, V	erena Kuf	ner, Patrick
	hCoV-	Europe	/	Department	of	Institute of Medical	Redli, I	Fiona St	einer, Jon
EPI_ISL_413019	19/Switzerland/1	Switzerland	/ 26/02/20	Internal Medi	cine,	Virology, University	Huder,	Riccarda	Capaul,
	000477102/2020	Zurich		Triemli Hospital	[of Zurich	Andrea .	Zbinden,	Jürg Böni,
							Michael l	Huber, Ge	erhard Eich,
							Alexandr	a Trkola	
				Department	of	Department of	Chanami	n Vana	Joon-Yong
	hCoV-19/South			Microbiology,		Microbiology,	O	O	ee, Heedo
EDI ICI /12010	Korea/KUMC02/	Asia / South Vors	06/02/20	Institute for	Viral	Institute for Viral		_	
EF1_13L_413016	2020	Asia / South Korea	ea 00/02/20	Diseases, Colleg	ge of	Diseases, College of			, Jeonghun
	2020			Medicine, K	orea	Medicine, Korea			Lee, Cui
				University		University	Chungua	ng, Ky	veong-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	Microbiology, Institute for Viral Diseases, College of	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
EPI_ISL_413016	hCoV- 19/Brazil/SPBR- 02/2020	South America / Brazil / Sao Paulo / 28/02/20 Sao Paulo	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 / 23/01/20 Canada / Ontario	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 / 25/01/20 Canada / Ontario	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 / 08/02/20 Hubei / Tianmen	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 Tao, Xierong
						Li, Yongzhong Jiang.
EPI_ISL_412982	hCoV- 19/Wuhan/HBC DC-HB-06/2020	Asia / China Hubei / Wuhan	/ 07/02/20	Wuhan Lung 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, Kur 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, Kur 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, Kur 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, Kur Cai, Jing Li, Yongzhong Jiang.

EPI_ISL_412978	hCoV- 19/Wuhan/HBC DC-HB-02/2020	Asia / China / 17/01/20 Hubei / Wuhan	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 28/02/20 / Sydney	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/SPL1/202 0	Europe / Italy / 29/01/20 Rome	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/CDG1/20 20	Europe / Italy / 20/02/20 Lombardy	Department of Infectious Diseases,	Virology Laboratory, Scientific	Paola Stefanelli, Stefano Fiore, Antonella Marchi, Eleonora Benedetti, Concetta Fabiani,

			Istituto Superiore di	Department, Army	Giovanni Faggioni, Antonella
			Sanità, Roma, Italy	Medical Center	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-
				T 1	Maldonado Abril, Wong-
	10.17			Instituto de	Arambula Claudia, Vazquez-
EDI ICI 410070	hCoV-	North America /	Instituto Nacional de		Perez Joel, Martinez Arturo,
EPI_ISL_4129/2	19/Mexico/CDM	Mexico / Mexico 27/02/20	Enfermedades	Referencia	Boukadida Celia, Munoz-
	X-InDRE_01/2020	City	Respiratorias	Epidemiologicos	Medina Esteban, Sanchez
				(INDRE)	Alejandro, Isa Pavel, Taboada
					Blanca, Lopez Susana, Arias
					Carlos, Barrera-Badillo Gisela,
					Hernandez-Rivas Lucia,
					Lopez-Martinez Irma

					Department of			
	hCoV-	Europe / Einland /		HUS	Virology Faculty of	Teemu Smura, Suvi Kuivanen,		
EPI_ISL_412971	19/Finland/FIN-	Europe / Finland /	25/02/20	Diagnostiikkakesku	Medicine, Medicum	Hannimari Kallio-Kokko, Olli		
	25/2020	Helsinki		s, Hallinto	University of	Vapalahti		
					Helsinki			
						Helen Chu, Michael Boeckh,		
		NT (1 A · /				Janet Englund, Michael		
	hCoV-	North America /		Washington State	Famulare, Barry Lutz,			
EPI_ISL_412970	19/USA/WA2/20	USA / Washington	24/02/20	Department of Seattle Flu Study		Deborah Nickerson, Mark		
	20	/ Snohomish		Health	Rieder, Lea Starita, Matthew			
		County			Thompson, Jay Shendure, and			
						Trevor Bedford		
	hCoV-				Takayuki Hishiki	Hishiki,T., Suzuki,R.,		
					Kanagawa Sakuragi,J., Prefectural Institute Tanaka,Y., Kawai,J.,			
EDI 101 4120/0	19/Japan/Hu_DP	A · /T	10/00/00	1				
EPI_ISL_412969	_Kng_19-	Asia / Japan	10/02/20	unknown	of Public Health,	Matsuki,Y., An,T.,		
	027/2020				Department of	Hayashizaki,Y. and		
					Microbiology	Takasaki,T.		
	hCoV-				Takayuki Hishiki	Hishiki,T., Suzuki,R.,		
EDI ICI 4120/0	19/Japan/Hu_DP	Asia / Japan	10/02/20		Kanagawa	Sakuragi,J., Usui,K.,		
EPI_ISL_412968	_Kng_19-		10/02/20	unknown	Prefectural Institute	Tanaka,Y., Kawai,J., Kogo,Y.,		
	020/2020				of Public Health,	Matsuki,Y., An,T.,		

				Department of	Hayashizaki,Y. and
				Microbiology	Takasaki,T.
EPI_ISL_412967	hCoV- 19/China/IQTC02 /2020	Asia / China / 29/01/20 Guangzhou	unknown	Technology Centre, Guangzhou Customs	Shi,Y., Zheng,K., Sun,J., Huang,J., Zhu,A., Zhung,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 / 05/02/20 Guangzhou	unknown	Technology Centre, Guangzhou Customs	Shi,Y., Sun,J., Zheng,K., Huang,J. and Zhao,J.
EPI_ISL_412965	hCoV- 19/Canada/BC_3 7_0-2/2020	North America / Canada / British 16/02/20 Columbia	BCCDC Public Health Laboratory	BCCDC Public Health Laboratory	Harrigan, Eventajecky, 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 / 25/02/20 Sao Paulo	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
				Victor M Corman, Julia
hCoV-			Charite?	Schneider, Barbara
19/Germany/Bad	Europe / Germany	State Health Office		Mu?hlemann, Talitha Veith,
EPI_ISL_412912 en-	/ Baden- 25/02/20	Baden-	Universita?tsmedizi n Berlin, Institute of	Jörn Beheim-Schwarzbach,
Wuerttemberg-	Wuerttemberg	Wuerttemberg	•	Terry Jones, Rainer Oehme,
1/2020			Virology	Silke Fischer, Christian
				Drosten
			Hubei Provincial	Bin Fang, Xiang Li, Xiao Yu,
hCoV-	Asia / China /	Wuhan Jinyintan		Linlin Liu, Bo Yang, Faxian
EPI_ISL_412899 19/Wuhan/HBC	Asia / China / 30/12/19 Hubei / Wuhan	, ,	Center for Disease Control and	Zhan, Guojun Ye, Xixiang
DC-HB-03/2019	Truber / wurtan	Hospital	Prevention and	Huo, Junqiang Xu, Bo Yu, Kun
			rrevention	Cai, Jing Li, Yongzhong Jiang.
			Huboi Drovincial	Bin Fang, Xiang Li, Xiao Yu,
hCoV-	Asia / China /	Wuhan Jinyintan Center for Disease 9 Zhan, G	Linlin Liu, Bo Yang, Faxian	
EPI_ISL_412898 19/Wuhan/HBC	Asia / China / 30/12/19		Control and	Zhan, Guojun Ye, Xixiang
DC-HB-02/2019	Hubei / Wuhan	Hospital		Huo, Junqiang Xu, Bo Yu, Kun
			Prevention	Cai, Jing Li, Yongzhong Jiang.

EPI_ISL_412873	hCoV-19/South Korea/KCDC24/2 020	Asia / South Korea / Chungcheongnam -do	06/02/20	Diseases, Center for Laboratory Control of Infectious Diseases, Korea Centers for Diseases	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/KCDC12/2 020	Asia / South Korea / Gyeonggi-do	01/02/20	Diseases, Center for Laboratory Control of Infectious Diseases, Korea Centers for Diseases	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/KCDC07/2 020	Asia / South Korea / Seoul	31/01/20	Diseases, Center for Laboratory Control of Infectious Diseases, Korea	Division of Viral Diseases, Center for Laboratory Control of Infectious Diseases, Korea Centers for Diseases	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	and	Control	and	
				Prevention		Prevention	า	
				Division	of Viral	Division	of Viral	
				Diseases, C	Center for	Diseases, Center for Loong Min	Jeong-Min Kim, Yoon-Seok	
	hCoV-19/South			Laboratory	Control	Laboratory	y Control	Chung, Namjoo Lee, Mi-Seon
EDI ICI /12970	Korea/KCDC06/2	Asia / South Korea/	30/01/20	of 1	Infectious	of	Infectious	,
EF1_13L_412070	020	Seoul	30/01/20	Diseases,	Korea	Diseases,	Korea	Kim, Sang Hee Woo, Hye-Jun Jo, Sehee Park, Heui Man Kim,
	020			Centers for	r Diseases	Centers fo	r Diseases	
				Control	and	Control	and	Myung Guk Han
				Prevention		Prevention	า	
				Division	of Viral	Division	of Viral	
				Diseases, C	Center for	Diseases,	Center for	Jama Min. Vin. Vaan Caal.
	hCoV-19/South			Laboratory	Control	Laboratory	y Control	Jeong-Min Kim, Yoon-Seok
EDI ICI 410940	Korea/KCDC05/2	Asia / South Korea	30/01/20	of 1	Infectious	of	Infectious	Chung, Namjoo Lee, Mi-Seon
EF1_13L_412009	020	/Seoul	30/01/20	Diseases,	Korea	Diseases,	Korea	Kim, Sang Hee Woo, Hye-Jun
	020			Centers for	Diseases	Centers fo	r Diseases	Jo, Sehee Park, Heui Man Kim,
				Control	and	Control	and	Myung Guk Han
				Prevention	-	Prevention	า	
	h.CaV	Niouth Amouine /		California		Pathogen	Discovery,	Krista Queen, Anna Uehara,
EDI ICI 4100/0	hCoV- 19/USA/CA9/202 0	North America /	22/02/20			Respirator	y Viruses	Jing Zhang, Yan Li, Ying Tao,
EF1_15L_412862		USA / California /	Z3/UZ/ZU	Departmen		Branch, D	Division of	Clinton R. Paden, Haibin
		Solano		Public Heal	ıtn	Viral	Diseases,	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_412459	hCoV- 19/Jingzhou/HBC DC-HB-01/2020	Asia / China / 08/01/20 Hubei / Jingzhou	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/2 020	Europe / United Kingdom / 09/02/20 England	Unit, Microbiology Services Colindale,	Unit, Microbiology Services Colindale,	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 5/2020	Asia / Hong Kong	01/02/20	Hong Department Health	Kong of	School of Public Health, The University of Hon g Kong	Dominic N.C. Tsang, Daniel K.W. Chu, Leo L.M. Poon, Malik Peiris
EPI_ISL_412029	hCoV-19/Hong Kong/VB2002495 0/2020	Asia / Hong Kong	30/01/20	Hong Department Health	Kong of	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 61/2020	Asia / Hong Kong	22/01/20	Hong Department Health	Kong of	School of Public Health, The University of Hon g Kong	Dominic N.C. Tsang, Daniel K.W. Chu, Leo L.M. Poon, Malik Peiris
EPI_ISL_411956	hCoV- 19/USA/TX1/202 0	North America / USA / Texas	11/02/20	Texas Departm State Health Se		Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases Control and Prevention	Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Ying Tao, Clinton R. Paden, Haibin Wang, Shifaq 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/CA8/202 0	North America / USA / California	10/02/20	California Department Public Health	of C	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases Control and Prevention	Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Ying Tao, Clinton R. Paden, Haibin Wang, Shifaq 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/CA7/202 0	North America / USA / California	06/02/20	California Department Public Health	of C	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases Control and Prevention	Krista Queen, Anna Uehara, Jing Zhang, Yan Li, Ying Tao, Clinton R. Paden, Haibin Wang, Shifaq 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/JS03/2 020	Asia / China / Jiangsu	24/01/20	NHC Key laboratory of Enterior Pathogenic Microbiology, Institute of Pathogenic Microbiology	Jiangsu Provincial Center for Disease Control &	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/JS02/2 020	Asia / China / Jiangsu	24/01/20	NHC Key laboratory of Enterior Pathogenic Microbiology, Institute of Pathogenic Microbiology	Jiangsu Provincial Center for Disease Control &	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/01/20 20	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/JS01/2 020	Asia / China / Jiangsu	23/01/20	NHC Key lab of Pathogenic Microbiology Institute Pathogenic Microbiology	Enteric , of	Jiangsu Pro Center for I Control Prevention	ovincial Disease &	Lunbiao Zhao,Xiaoj Ge,Tao Chen,Feng Zhu,Ming	juan Z Wu,Bin gcai	Kangchen Zhu,Yiyue Wu,Yin Zhu,Baoli
EPI_ISL_411902	hCoV- 19/Cambodia/001 2/2020	Asia / Cambodia / Sihanoukville	27/01/20	Virology Institut Paste Cambodge.	Unit, eur du	Virology Institut Paste Cambodge (Sequencing by: Jessica Manning/Jenr Bohl at Malar Vector Re Research Laboratory, National Instit Allergy Infectious D and Vida A	done a E nifer A ria and esearch itute of and diseases		a Ahyong Philippe	

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21/01/20

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from Chan-Zuckerberg Biohub) Department of Olivier Terrier, Aurélien Infectious and Laboratoire Virpath, Traversier, Julien Fouret, Europe / France / hCoV-Tropical Diseases, CIRI U111, UCBL1, Yazdan Yazdanpanah, Xavier EPI_ISL_411219 19/France/IDF038 Ile-de-France 28/01/20 Bichat Claude INSERM. CNRS, Lescure, Alexandre Gaymard, 6-islP1/2020 **Paris** Bernard Hospital, ENS Lyon Bruno Lina, Manuel Rosa-Paris Calatrava Terrier, Aurélien Olivier Department of Traversier, Julien Fouret, Infectious and Laboratoire Virpath, hCoV-Europe / France / Yazdan Yazdanpanah, Xavier Tropical Diseases, CIRI U111, UCBL1, EPI_ISL_411218 19/France/IDF057 Ile-de-France Lescure, Catherine Legras-/ 02/02/20 **Bichat** Claude INSERM, CNRS, 1/2020 **Paris** Lachuer, Alexandre Gaymard, Hospital, ENS Lyon Bernard Bruno Lina, Manuel Rosa-Paris Calatrava Fujian Center for Fujian Center for Chen Wei, Zhang Yanhua, He hCoV-Asia China / EPI_ISL_411066 22/01/20 Disease Control and Disease Control and Wenxiang, Weng Yuwei 19/Fujian/13/2020 Fujian

Prevention

Prevention

Prevention

Prevention

Chen Wei, Zhang Yanhua, He

Wenxiang, Weng Yuwei

Fujian Center for Fujian Center for

Disease Control and Disease Control and

EPI_ISL_410719	hCoV- 19/Singapore/11/ 2020	Asia / Singapore	02/02/20	National I Health Laborat	National Public Health Laboratory	Octavia S, Mak TM, Cui L, Lin RTP
EPI_ISL_410718	hCoV- 19/Australia/QL D04/2020	Oceania / Australia / Queensland / Gold Coast	05/02/20	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.
EPI_ISL_410717	hCoV- 19/Australia/QL D03/2020	Oceania / Australia / Queensland / Gold Coast	05/02/20	Pathology Queensland		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.
	hCoV-			National Public	National Centre for	
EDI ICI 41071/		A sia / Cinasana	04/02/20	Health Laboratory	, Infectious Diseases,	Octavia S, Mak TM, Cui L, Lin
EF1_ISL_410/16	19/Singapore/10/	Asia / Singapore		National Centre for	National Centre for	RTP
	2020			Infectious Diseases	Infectious Diseases	
	hCoV-			National Public	National Public	
EDI ICI 410715		Asia / Singapara	04/02/20	Health Laboratory	, Health Laboratory,	Octavia S, Mak TM, Cui L, Lin
EF1_15L_410/15	19/Singapore/9/2 020	Asia / Singapore	04/02/20	National Centre for	National Centre for	RTP
	020			Infectious Diseases	Infectious Diseases	
	hCoV-			National Dubli	National Dublic	Ostavia C Male TM Covi I Lin
EPI_ISL_410714	19/Singapore/8/2	Asia / Singapore	03/02/20			Octavia S, Mak TM, Cui L, Lin
	020			Health Laboratory	, Health Laboratory,	KII

				National	Centre for	National	l Centro	e for				
				Infectious	Diseases	Infectiou	ıs Disea	ses				
	1.C.V			National	Public	National	l P	ublic				
EPI_ISL_410713 1	hCoV-	A = : = / C: = = = = = = = = = = = = = = = = = =	27/01/20	Health I	Laboratory,	Health	Labora	tory,	Octavia S	, Mak T	M, Cui	i L, Lin
		Asia / Singapore	27/01/20	National	Centre for	National	l Centre	e for	RTP			
	020			Infectious	Diseases	Infectiou	ıs Disea	ses				
									Maria R.	Capobia	anchi,	Cesare
		Europe / Italy / Rome	29/01/20						E. M. Gru	uber, Ma	artina	Rueca,
	hCoV- 19/Italy/INMI1- isl/2020					Laborato	ory	of	Barbara	Bartolin	i, Fra	ncesco
EDI ICI 410545				INMI	Lazzaro	Virology	7, I	NMI	Messina,	Emanue	ela Gio	mbini,
EPI_ISL_410545				Spallanza	ni IRCCS	Lazzaro	Spallar	nzani	Francesca	ı Colavi	ita, Co	oncetta
						IRCCS			Castilletti	i, Eleo	nora	Lalle,
									Fabrizio	Carlett	i, Em	anuele
									Nicastri, (Giusepp	e Ippo	lito.
									Danielle	E Ande	erson,	Martin
	hCoV-			Singapore	e General	Program	nme	in	Linster, Y	an Zhu	ang, Ja	iyanthi
EDI ICI 410527		A = : = / C: = = = = = = = = = = = = = = = = = =	00/02/20	Hospital,	Molecular	Emergin	g Infec	tious	Jayakuma	ar, Kian	Sing	Chan,
EPI_ISL_410537	19/Singapore/6/2	Asia / Singapore	09/02/20	Laborator	ry, Division	Diseases	, Duke-	NUS	Lynette	LE C	Don,	Shirin
	020			of Patholo	ogy	Medical	School		Kalimudo	din, Jeni	ny GH	I Low,
									Yvonne C	ːF Su, Ga	avin JD	Smith

						Danielle E Anderson, Martin
	hCoV-			Singapore General	Programme in	Linster, Yan Zhuang, Jayanthi
EDI ICI 41052/		A sia / Sin san ana	06/02/20	Hospital, Molecular	Emerging Infectious	Jayakumar, Kian Sing Chan,
EF1_ISL_410556	19/Singapore/5/2	Asia / Singapore	06/02/20	Laboratory, Division	Diseases, Duke-NUS	Lynette LE Oon, Shirin
	020			of Pathology	Medical School	Kalimuddin, Jenny GH Low,
						Yvonne CF Su, Gavin JD Smith
					Programme in	Danielle E Anderson, Martin
	hCoV-		03/02/20	National Contro for	8	Linster, Yan Zhuang, Jayanthi
EPI_ISL_410535	19/Singapore/4/2	Asia / Singapore		Infectious Diseases	Emerging Infectious	Jayakumar, David CB Lye, Yee
	020				Diseases, Duke-NUS Medical School	Sin Leo, Barnaby E Young,
					Medicai School	Yvonne CF Su, Gavin JD Smith
		Asia / Japan / Osaka				Tsuyoshi Sekizuka, Harutaka
					Dathagan Canamica	Katano, Shutoku Matsuyama,
	hCoV-			Dept. of Pathology, National Institute of Infectious Diseases	Center, National	Naganori Nao, Kazuya
EPI_ISL_410532	19/Japan/OS-20-		23/01/20			Shirato, Motoi Suzuki, Hideki
					Inchitute	Simuto, Motor Suzuki, Thacki
	07-1/2020	Osaka		Infectious Diseases	Institute of	Hasegawa, Takaji Wakita,
	07-1/2020	Osaka		Infectious Diseases	Institute of Infectious Diseases	
	07-1/2020	Osaka		Infectious Diseases		Hasegawa, Takaji Wakita,
		Osaka			Infectious Diseases	Hasegawa, Takaji Wakita, Makoto Takeda, Tadaki
EDI ISI /10521	hCoV-		25/01/20	Dept. of Pathology,	Infectious Diseases Pathogen Genomics	Hasegawa, Takaji Wakita, Makoto Takeda, Tadaki Suzuki, Makoto Kuroda
EPI_ISL_410531	hCoV-	Asia / Japan / Nara	25/01/20		Pathogen Genomics Center, National	Hasegawa, Takaji Wakita, Makoto Takeda, Tadaki Suzuki, Makoto Kuroda Tsuyoshi Sekizuka, Harutaka

						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	Infections	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, National 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/NTU0 2/2020	Asia / Taiwan / Taipei	05/02/20	Department of Laboratory Medicine, National Taiwan University Hospital	Taiwan University Centers of Genomic	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	Public Health	Respiratory Viruses	Yan Li, Jing Zhang, Krista Queen, Ying Tao, Anna Uehara, Clinton R. Paden,

						Centers for Dieases	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_410044	hCoV- 19/USA/CA6/202 0	North America USA / California	/ 27/01/20	California Department Public Health	of	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases Control and	Jing Zhang, Krista Queen, Yan Li, Ying Tao, Anna Uehara, Clinton R. 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
EPI_ISL_409067	hCoV- 19/USA/MA1/202 0	North America USA Massachusetts	/ / 29/01/20	Massachusetts Department Public Health	of	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases	Clinton R. Paden, Jing Zhang, Krista Queen, Yan Li, Ying Tao, Anna Uehara, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili,

						Control Prevention	and	,	Wang, r, Susan n Lindstro	I.		er,
EPI_ISL_408978	hCoV- 19/Wuhan/WH05 /2020	Asia / China / Hubei / Wuhan	07/02/20	Wuhan Hospital	Fourth	Beijing (Institute (BC	Genomics GI)	Weijun	Chen			
EPI_ISL_408977	hCoV- 19/Australia/NS W03/2020	Oceania / Australia / New South Wales / Sydney	25/01/20	and Laboratorie (SAViD),	Virology OTDS es NSW Pathology	NSW Pathology - of Clinical F and Research		NA				
EPI_ISL_408976	hCoV- 19/Australia/NS W02/2020	Oceania / Australia / New South Wales / Sydney	22/01/20	Centre for l Diseases Microbiolog Laboratory	and gy	NSW Pathology - of Clinical P and Research		NA				
EPI_ISL_408670	hCoV- 19/USA/WI1/202 0	North America / USA / Wisconsin	31/01/20	Wisconsin Departmen Health Serv		Pathogen D Respiratory Branch, Div Viral	Viruses vision of	Krista Tao,	Ü	an I R.	Li, Yi Pad	ing len,

					Centers for Dieases	Senthil Kumar K. Sakthivel,
					Control and	Brett L. Whitaker, Shifaq
					Prevention	Kamili, Lijuan Wang, Janna' R.
						Murray, Susan I. Gerber,
						Stephen Lindstrom, Suxiang
						Tong
	hCaV			Dont of Vivology III	Pathogen Genomics	Tsuyoshi Sekizuka, Shutoku
EPI_ISL_408669 19/Ja	hCoV-	Asia / Japan / 29/ Kyoto	20/01/20	Dept. of Virology III,	Center, National	Matsuyama, Naganori Nao,
			29/01/20	National Institute of	Institute of	Kazuya Shirato, Makoto
	029/2020			Infectious Diseases	Infectious Diseases	Takeda, Makoto Kuroda
						Ung Thi Hong Trang, Hoang
	hCoV-			National Influenza	National Influenza	Vu Mai Phuong, Nguyen Le
				Center - National	Center - National	Khanh Hang, Nguyen Vu Son,
EPI_ISL_408668	19/Vietnam/VR0	Asia / Vietnam /	24/01/20	Institute of Hygiene	Institute of Hygiene	Le Thi Thanh, Vuong Duc
	3-38142/2020	Thanh Hoa		and Epidemiology	and Epidemiology	Cuong, Nguyen Phuong Anh,
				(NIHE)	(NIHE)	Pham Thi Hien, Tran Thu
						Huong, Le Thi Quynh Mai,
	1.C. V			D ((W 1 III	Pathogen Genomics	Tsuyoshi Sekizuka, Shutoku
EDI ICI 400//7	hCoV-	Asia / Japan /	/ 31/01/20	Dept. of Virology III,	Center, National	Matsuyama, Naganori Nao,
EPI_ISL_408667	19/Japan/TY- WK-521/2020	Tokyo		National Institute of	Institute of	Kazuya Shirato, Makoto
		,		Infectious Diseases	Infectious Diseases	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	Center, National	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	Center, National	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	Disease Control and	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, Ch	nina	Prevention, China CDC	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.
EPI_ISL_408489	hCoV- 19/Taiwan/NTU0 1/2020	Asia / Taiwan / 31/01/20 Taipei	Department Laboratory Medicine, Natio Taiwan Univers		Taiwan University Centers of Genomic	Gao, Guizhen Wu 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 / 19/01/20 Jiangsu / Huaian			Viral Disease	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 Ins Viral Control Prevention, CDC	titute for Disease and China	Viral Disease	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 Ins Viral Control Prevention, CDC	titute for Disease and China	Viral Disease	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/IV DC-SD-001/2020	Asia / China / Shandong / Qingdao	19/01/20	National Ins Viral Control Prevention, CDC	titute for Disease and China	Viral Disease	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/IV DC-CQ-001/2020	Asia / China / Chongqing	18/01/20	National Ins Viral Control	titute for Disease and	Viral Disease	Wenjie Tan, Hengqin Wang, Xiang Zhao, Wenling Wang, Peihua Niu, Roujian Lu, Sheng Ye, Baoying Huang, Li Zhao,

				Prevention,	China		Fei Ye, Wen	ibo Xu, George F.
				CDC			Gao, Guizhe	n Wu
							Wenjie	Tan?Xiaoqing
		A : / GI:		National Ins	titute for	National Institute for	Fu?Xiang	Zhao?Wenling
	hCoV-		1	Viral	Disease	Viral Disease Control &	Wang? Peil	hua Niu?Roujian
EPI_ISL_408480	19/Yunnan/IVDC	Asia / China	17/01/20	Control	and		Lu, Yanhong	Sun?Baoying
	-YN-003/2020	Yunnan / Kunmin	g	Prevention,	China		Huang?Li	Zhao?Fei
				CDC		Prevention, CCDC	Ye?Wenbo	Xu?George F.
							Gao?Guizhe	n Wu
hCoV- EPI_ISL_408479 19/Cho	hCoV- 19/Chongqing/Z	01 0	/ 23/01/20	Zhongxian for Disease	Center Control	Chongqing Municipal Center for Disease Control and	Ye Sheng, Hua, Zhan zhen,Chen	Tang Yun, Ling ng Hong, Yu Shuang,Tan
	X01/2020			and Prevent	ion		ZhangPing,	Su Kun, Li Qin,
						Prevention	Tang Wenge	e, Rong Rong
EPI_ISL_408478	hCoV- 19/Chongqing/Y C01/2020	Asia / China Chongqinq Yongchuan	/ 21/01/20	Yongchuan Center for Control Prevention	Disease	Chongqing Municipal Center for Disease Control and Prevention	Hua,Yu Shuang,Tan	Tang Yun, Ling zhen,Chen ZhangPing, Su ng, Tang Wenge,
	hCoV-	Europe / France	/	Sorbonne		National Reference	Mélanie	Albert, Marion
EPI_ISL_408431	19/France/IDF062	Ile-de-France	/ 29/01/20	Université, I	nserm et	Center for Viruses of	Barbet, Sylv	ie Behillil, Méline
	6/2020	Paris		Assistance P	ublique-	Respiratory	Bizard, Ar	ngela Brisebarre,

			Hôpitaux de Paris	Infections, Institut	Flora Donati, Vincent Enouf,
			(Pitié Salpétrière)	Pasteur, Paris	Maud Vanpeene, Sylvie van
					der Werf, Sonia Burrel, Anne-
					Geneviève Marcelin, Vincent
					Calvez, David Boutolleau,
					Elise Klément, Valérie
					Pourcher, Eric Caumes.
			Donartmont	:	Mélanie Albert, Marion
	hCoV- 19/France/IDF051 5/2020	Europe / France /	Department of Infectious and Trapical Discusses	National Reference	Barbet, Sylvie Behillil, Méline
				Center for Viruses of	Bizard, Angela Brisebarre,
EPI_ISL_408430		Ile-de-France / 29/01/20	Tropical Diseases	Respiratory	Flora Donati, Vincent Enouf,
		Paris	Bichat Claude Bernard Hospital,	Infections, Institut	Maud Vanpeene, Sylvie van
				Pasteur, Paris	der Werf, Yazdan
			Paris		Yazdanpanah, Xavier Lescure
				Pathogen Discovery,	Ying Tao, Krista Queen, Jing
				Respiratory Viruses	Zhang, Yan Li, Anna Uehara,
	hCoV-	North Amorian /	California	Branch, Division of	Clinton Paden, Xiaoyan Lu,
EPI_ISL_408010	19/USA/CA5/202	North America / 29/01/20	Department of	Viral Diseases,	Brian Lynch, Senthil Kumar K.
	0	USA / California	Health	Centers for Dieases	Sakthivel, Brett L. Whitaker,
				Control and	Shifaq Kamili, Lijuan Wang,
				Prevention	Janna' R. Murray, Susan I.

						Gerber, Stephen Lindstrom,
						Suxiang Tong
						Krista Queen, Jing Zhang, Yan
	hCoV- 19/USA/CA4/202 0				Pathogen Discovery,	Li, Ying Tao, Anna Uehara,
					Respiratory Viruses	Clinton Paden, Xiaoyan Lu,
		NI di A	,	California	Branch, Division of	Brian Lynch, Senthil Kumar K.
EPI_ISL_408009		North America / USA / California	[/] 29/01/20	Department of	Viral Diseases,	Sakthivel, Brett L. Whitaker,
				Health	Centers for Dieases	Shifaq Kamili, Lijuan Wang,
					Control and	Janna' R. Murray, Susan I.
					Prevention	Gerber, Stephen Lindstrom,
						Suxiang Tong
						Krista Queen, Jing Zhang, Yan
						Krista Queen, Jing Zhang, Tan
					Pathogen Discovery,	Li, Ying Tao, Anna Uehara,
	hCoV-	North Association	,	California	Respiratory Viruses	Li, Ying Tao, Anna Uehara,
EPI_ISL_408008	hCoV- 19/USA/CA3/202	North America	29/01/20		Respiratory Viruses Branch, Division of	Li, Ying Tao, Anna Uehara, Clinton Paden, Xiaoyan Lu,
EPI_ISL_408008		North America / USA / California	29/01/20		Respiratory Viruses Branch, Division of Viral Diseases,	Li, Ying Tao, Anna Uehara, Clinton Paden, Xiaoyan Lu, Brian Lynch, Senthil Kumar K.
EPI_ISL_408008	19/USA/CA3/202		29/01/20	Department of	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease	Li, Ying Tao, Anna Uehara, Clinton Paden, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker,
EPI_ISL_408008	19/USA/CA3/202		29/01/20	Department of	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease	Li, Ying Tao, Anna Uehara, Clinton Paden, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang,
EPI_ISL_408008	19/USA/CA3/202		29/01/20	Department of	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and	Li, Ying Tao, Anna Uehara, Clinton Paden, Xiaoyan Lu, Brian Lynch, Senthil Kumar K. Sakthivel, Brett L. Whitaker, Shifaq Kamili, Lijuan Wang, Janna' R. Murray, Susan I.

EPI_ISL_407988	hCoV- 19/Singapore/3/2 020	Asia / Singapore	01/02/20	National Centre for Infectious Diseases	Emerging Infectious	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/2/2 020	Asia / Singapore	25/01/20	Singapore General Hospital	Emerging Infectious	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	•	Bert Vanmechelen, Elke Wollants, Annabel Rector, Els Keyaerts, Lies Laenen, Marc Van Ranst, and Piet Maes
EPI_ISL_407896	hCoV- 19/Australia/QL D02/2020	Oceania / Australia / Queensland / Gold Coast	30/01/20	Pathology Queensland		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, Maxwell Ian 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,

	hCoV-	Oceania / Australia	D. (11	D. J.1:	
EPI ISL 407894	19/Australia/QL	/ Queensland / 28/01/20	Pathology	Public Health	
	D01/2020	Gold Coast	Queensland	Virology Laboratory	

						Timothy	Gardam,	and
						Frederick	Moore.	
EPI_ISL_407893	hCoV- 19/Australia/NS W01/2020	Oceania / Australia / New South Wales / Sydney	24/01/20	Centre for Infectiou Diseases and Microbiology Laboratory Services	Pathology - Instituted of Clinical Pathology and Medical	NA		
EPI_ISL_407313	hCoV- 19/Hangzhou/H ZCDC0001/2020	Asia / China / Zhejiang / Hangzhou	19/01/20		r Hangzhou Center ol for Disease Control and Prevention	Lingfeng Zhou Sun	oqiu Wang, H Mao, Xinfer , Qingxin Kor chang Chen,	n Yu, ng, Xin
EPI_ISL_407193	hCoV-19/South Korea/KCDC03/2 020	Asia / South Korea / Gyeonggi-do	25/01/20	Disease Control & Prevention (KCDC) Center for Laboratory Control of Infection	r Korea Centers for Disease Control & Prevention (KCDC) r Center for Laboratory Control of Infectious f Diseases Division of Viral Diseases	Jeong-Min Chung, N Kim, Sang Jo, Sehee F	i Kim, Yooi amjoo Lee, M Hee Woo, Hy Park, Heui Mai ik Han	i-Seon e-Joon

EPI_ISL_407084	hCoV- 19/Japan/AI/I- 004/2020	Asia / Japan / Aichi	25/01/20	•	Pathogen Genomics 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/1/202 0	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/02/20 20	Europe / United Kingdom / England	29/01/20	Unit, Microbiology	Unit, Microbiology Services Colindale,	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/01/20	Europe / United Kingdom /	29/01/20	Respiratory Virus Unit, Microbiology	Respiratory Virus Unit, Microbiology	Monica Galiano, Shahjahan Miah, Richard Myers, Angie Lackenby, Omolola Akinbami,

				Public England	Health	Public England	Health		Edward Joanna 1	-	
EPI_ISL_406973	hCoV- 19/Singapore/1/2 020	Asia / Singapore	23/01/20	Singapore Hospital	General	National Health Labo	Public	Mak, TN	A		
EPI_ISL_406970	hCoV- 19/Hangzhou/H Z-1/2020	Asia / China / Zhejiang / Hangzhou	20/01/20	Hangzhou for Disea Control Microbiolog	se and	Hangzhou for Diseas Control Microbiolog		Yu Hua, Yu Xinfe	, Wang H	Iaoqiu,	Li Jun,
EPI_ISL_406862	hCoV- 19/Germany/Bav Pat1/2020	Europe / Germany / Bavaria / Munich	28/01/20	Charité Universitäts Berlin, Ins Virology		NA		NA			
EPI_ISL_406844	hCoV- 19/Australia/VIC 01/2020	Oceania / Australia / Victoria / Clayton	25/01/20	Monash Centre	Medical	Collaboration between University Melbourne Peter Institute Infection Immunity,	the of at The Doherty for and	Caly,L., Schultz, Taiaroa,	.M., D	Seem ruce,J.	ann,T., and

					Victorian	Infectious				
					Disease	Reference				
					Laboratory	7				
					BGI & In Microbiolo Chinese Ad Sciences	ogy,				
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	Shandong Medical U	First University Shandong of Medical & General of Central Command People's	Weijun Weifeng Hu	Chen, Shi and	Yuhai d Zhenh	
EPI_ISL_406800	hCoV- 19/Wuhan/WH03 /2020	Asia / China Hubei / Wuhan	/ 01/01/20		Microbiolo Chinese Ad	ogy, cademy of	Hu		Yuhai d Zhenh	

	Medical University & Shandong Academy of Medical Sciences & General Hospital of Central Theater Command of People's Liberation Army of China
hCoV- EPI_ISL_406798 19/Wuhan/WH01	BGI & Institute of Microbiology, Chinese Academy of Sciences & Sciences & Shandong First 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

Tropical Diseases, Respiratory

Bizard, Angela Brisebarre,

2/2020

Paris

					Liberation Army of	
					China	
EPI_ISL_406717	hCoV- 19/China/WHU0 2/2020	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/WHU0 1/2020	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/IDF037 3/2020	Europe / France Ile-de-France Paris	/ / 23/01/20	Department confidence of the Infectious and Tropical Diseases Bichat Claud Bernard Hospital Paris	National Reference d Center for Viruses of Respiratory e Infections, Institut	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/IDF037	Europe / France Ile-de-France	/ / 23/01/20	1	f National Reference d Center for Viruses of	Mélanie Albert, Marion Barbet, Sylvie Behillil, Méline

				Bichat	Claude	Infections,	Institut	Flora D	onati, \	/incen	t Enouf,
				Bernard	Hospital,	Pasteur, Pa	ris	Maud V	Vanpeer	ne, Syl	lvie van
				Paris				der	Werf,		Yazdan
								Yazdanı	ېanah, ک	(avier	Lescure.
				Shenzhen	Key	Shenzhen	Key				
				Laboratory	v of	Laboratory	of				
				Pathogen	and	Pathogen	and				
	hCoV-	Asia / China	/	Immunity,	National	Immunity,	National	Yang Ya	ang, Cho	enguar	ng Shen,
EPI_ISL_406594	19/Shenzhen/SZT	Guandong	/ 16/01/20	Clinical	Research	Clinical	Research	Li Xing,	Zhixia	ng Xu	, Haixia
	H-003/2020	Shenzhen		Center for	Infectious	Center for	Infectious	Zheng,	Yingxia	Liu	
				Disease,	Shenzhen	Disease,	Shenzhen				
				Third	People's	Third	People's				
				Hospital		Hospital					
				Shenzhen	Key	Shenzhen	Key				
				Laboratory	of of	Laboratory	of				
				Pathogen	and	Pathogen	and				
	hCoV-	Asia / China	/	Immunity,	National	Immunity,	National	Yang Ya	ing, Cho	enguar	ng Shen,
EPI_ISL_406593	19/Shenzhen/SZT	Guandong	/ 13/01/20	Clinical	Research	Clinical	Research	Li Xing,	Zhixia	ng Xu	, Haixia
	H-002/2020	Shenzhen		Center for	Infectious	Center for	Infectious	Zheng,	Yingxia	Liu	
				Disease,	Shenzhen	Disease,	Shenzhen				
				Third	People's	Third	People's				
				Hospital		Hospital					

EPI_ISL_406538	hCoV- 19/Guangdong/2 0SF201/2020	Asia / China Guangdong	/ 23/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406536	hCoV- 19/Foshan/20SF2 11/2020	Asia / China Guangdong Foshan	/ 22/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406535	hCoV- 19/Foshan/20SF2 10/2020	Asia / China Guangdong Foshan	/ 22/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406534	hCoV- 19/Foshan/20SF2 07/2020	Asia / China Guangdong Foshan	/ 22/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_406533	hCoV- 19/Guangzhou/2 0SF206/2020	Asia / China Guangdong Guangzhou	/ 22/01/20	Guangdong Provincial Center for Diseases Contorl and Prevention	NA	NA

EPI_ISL_406531	hCoV- 19/Guangdong/2 0SF174/2020	Asia / China / Guangdong / 22/01/20 Zhuhai	Guangdong Provincial Center for Diseases Contorl and Prevention	NA	NA
EPI_ISL_406223	hCoV- 19/USA/AZ1/202 0	North America / USA / Arizona / 22/01/20 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/CA2/202 0	North America / USA / California / 22/01/20 Orange County	California Department of Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases 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 Li	ndstrom	, Sux	xiang
							Tong			
EPI_ISL_406034	hCoV- 19/USA/CA1/202 0	North America / USA / California / Los Angeles	/ 23/01/20	California Department Public Health	of	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases Control and Prevention	Anna Ueha Ying Tao, Y Paden, Jing Lu, Brian Kumar K. Whitaker, Lijuan W Murray, S Stephen Li	Yan Li, G Zhang Lynch Sakthive Shifaq Yang, Ja Susan I.	Clinto , Xia , Se l, Bre Ka anna'	on R. loyan enthil ett L. amili, R. erber,
EPI_ISL_406031	hCoV- 19/Taiwan/2/2020	Asia / Taiwan / Kaohsiung	/ 23/01/20			Centers for Disease Control, R.O.C. (Taiwan)		Mu, Ming		
EPI_ISL_405839	hCoV- 19/Shenzhen/HK U-SZ-005/2020	Asia / China / Guangdong / Shenzhen	/ 11/01/20	The University Hong Kong Shenzhen Hospita	of -	Li Ka Shing Faculty of Medicine, The University of Hong Kong	Chan, J.FW Kok, K.H., T Yang, J., Yip, C.CY., Tsai, H.W., Chan, K.H., Chan, W.M.	Ying,F., Poo	V., Ch L on,R.V Lo,S.I n,V.K	Liu,J., WS., KF., KM.,

					Cheng, V.CC., Chen, H.,
					Hui, C.KM. and Yuen, K.Y.
	hCoV- 19/USA/WA1/20	North America /		Division of Viral	Queen,K., Tao,Y., Li,Y.,
EDI ICI 404905		USA / Washington 19/01/20	Providence Regional	Diseases, Centers for	Paden, C.R., Lu, X., Zhang, J.,
EF1_13L_404093	20	/ Snohomish	Medical Center	Disease Control and	Gerber,S.I., Lindstrom,S.,
	20	County		Prevention	Tong,S.
EPI_ISL_404253	hCoV- 19/USA/IL1/2020	North America / USA / Illinois / 21/01/20 Chicago	Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Dieases 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, Jana' R. Murray, Susan I. Gerber, Stephen Lindstrom, Suxiang Tong
EPI_ISL_404228	hCoV- 19/Zhejiang/WZ- 02/2020	Asia / China / 17/01/20 Zhejiang		Microbiology, Zhejiang Provincial Center for Disease	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		Microbiology, Zhejiang Provincial Center for Disease	Yin Chen, Yanjun Zhang, 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_403963	hCoV- 19/Nonthaburi/7 4/2020	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	
EPI_ISL_403962	hCoV- 19/Nonthaburi/6 1/2020	Asia / Thailand / 08/01/20 Nonthaburi	Bamrasnaradura Hospital	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_403937	hCoV- 19/Guangdong/2 0SF040/2020	Asia / China Guangdong Zhuhai	/ 18/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403936	hCoV- 19/Guangdong/2 0SF028/2020	Asia / China Guangdong Zhuhai	/ 17/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403935	hCoV- 19/Guangdong/2 0SF025/2020	Asia / China Guangdong Shenzhen	/ 15/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403934	hCoV- 19/Guangdong/2 0SF014/2020	Asia / China Guandong Shenzhen	/ 15/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA
EPI_ISL_403933	hCoV- 19/Guangdong/2 0SF013/2020	Asia / China Guandong Shenzhen	/ 15/01/20	Guangdong Provincial Center for Diseases Control and Prevention	NA	NA

EPI_ISL_403932	hCoV- 19/Guangdong/2 0SF012/2020	Asia / China Guandong Shenzhen	/ / 14/01/20	Guangdong Provincial C Diseases and Preven	Center for Control	NA	NA
EPI_ISL_403931	hCoV- 19/Wuhan/IPBC AMS-WH- 02/2019	Asia / China Hubei / Wuhan	/ 30/12/19	Biology, Academy o	Chinese of Medical	Academy of Medical Sciences & Peking	Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu,
EPI_ISL_403930	hCoV- 19/Wuhan/IPBC AMS-WH- 03/2019	Asia / China Hubei / Wuhan	/ 30/12/19	Biology, Academy o	Chinese of Medical	Academy of Medical Sciences & Peking	Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu,
EPI_ISL_403929	hCoV- 19/Wuhan/IPBC AMS-WH- 04/2019	Asia / China Hubei / Wuhan	/ 30/12/19	Biology, Academy o	Chinese of Medical	Academy of Medical Sciences & Peking	Lili Ren, Jianwei Wang, Qi Jin, Zichun Xiang, Zhiqiang Wu,

				Institute o	f Pathogen	Institute of Pathogen	
	hCoV-			Biology,	Chinese	Biology, Chinese	Lili Ren, Jianwei Wang, Qi Jin,
EPI_ISL_403928	19/Wuhan/IPBC	Asia / China	/	Academy	of Medical	Academy of Medical	
	AMS-WH-	Hubei / Wuhan	01/01/20	Sciences	& Peking	Sciences & Peking	Zichun Xiang, Zhiqiang Wu,
	05/2020			Union	Medical	Union Medical	Chao Wu, Yiwei Liu
				College		College	
						I I de ai Decesies ai al	Bin Fang, Xiang Li, Xiao Yu,
	hCoV-	Asia / Chira	/	147 la a.a	Timerinetan	Hubei Provincial	Linlin Liu, Bo Yang, Faxian
EPI_ISL_402132	19/Wuhan/HBC	Asia / China	30/12/19	Wuhan	Jinyintan	Center for Disease	Zhan, Guojun Ye, Xixiang
	DC-HB-01/2019	Hubei / Wuhan		Hospital		Control and	Huo, Junqiang Xu, Bo Yu, Kun
						Prevention	Cai, Jing Li, Yongzhong Jiang.
EPI_ISL_402130	hCoV- 19/Wuhan/WIV0	Asia / China	/ 30/12/19	Wuhan	Jinyintan	Wuhan Institute of Virology, Chinese	Peng Zhou, Xing-Lou Yang, Ding-Yu Zhang, Lei Zhang,
	7/2019	Hubei / Wuhan		Hospital			Yan Zhu, Hao-Rui Si, Zhengli
	7/2019	Hubei / Wuhan		Hospital		Academy of Sciences	Shi
EPI_ISL_402129	7/2019 hCoV- 19/Wuhan/WIV0 6/2019	Hubei / Wuhan Asia / China Hubei / Wuhan	30/12/19	Hospital Wuhan Hospital	Jinyintan		9

							Yan Zhu, Hao-Rui Si, Zhengli
							Shi
EPI_ISL_402127	hCoV- 19/Wuhan/WIV0 2/2019	Asia / China Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan	Wuhan Institute Virology, Chin Academy of Scien	Ding-Yu Zhang, Lei Zhang, ese Yan Zhu, Hao-Rui Si, Zhengli
EPI_ISL_402124	hCoV- 19/Wuhan/WIV0 4/2019	Asia / China Hubei / Wuhan	30/12/19	Wuhan Hospital	Jinyintan	Wuhan Institute Virology, Chin Academy of Scien	Ding-Yu Zhang, Lei Zhang, ese Yan Zhu, Hao-Rui Si, Zhengli
EPI_ISL_402123	hCoV- 19/Wuhan/IPBC AMS-WH- 01/2019	Asia / China Hubei / Wuhan	/ 24/12/19	Biology, Academy	Chinese of Medical	Institute of Patho Biology, Chir Academy of Med Sciences & Pek Union Med College	Lili Ren, Jianwei Wang, Qi Jin, cal Zichun Xiang, Zhiqiang Wu, ng Chao Wu, Yiwei Liu
EPI_ISL_402121	hCoV- 19/Wuhan/IVDC- HB-05/2019	Asia / China Hubei / Wuhan	/ 30/12/19	National I Viral Control Prevention CDC	Disease and		Zhao?Wenling ase Wang?Yongzhong nd Jiang?Roujian Lu?Ji

								Shi?Baoy Liu?Li Z Ye?Na He?Peipe Chen?We	Zhao?Ya Zhu, i Liu,	no M X Yang	(iaozhou Li?Jing
EPI_ISL_402120	hCoV- 19/Wuhan/IVDC- HB-04/2020	Asia / China Hubei / Wuhan	/ 01/01/20	National In Viral Control Prevention, CDC	Disease and	National Inst Viral Control Prevention, CDC	titute for Disease and China	Gao?Guiz Wenjie Zhao?We Ma?Yong Lu?Ji Zhou?Pei Liu?Faxia Shi?Baoy Liu?Li Meng?Xia Ye?Na Chen?We Gao?Guiz	enling Verbong Johnan Zin Zhu?Ya	Ta Wang Iiang? Vang? Ihan? Hu Zang u?Ge	?Roujian ?Weimin u?Peipei Weifeng lang?Jun hao?Yao He?Fei Li?Jing
EPI_ISL_402119	hCoV- 19/Wuhan/IVDC- HB-01/2019	Asia / China Hubei / Wuhan	30/12/19	National In Viral Control	Disease	National Inst Viral Control	titute for Disease and	Wenjie Zhao?We Ma?Yong Lu, Ji	Ü	Nang Jiang	

				Prevention,	China	Prevention, Ch	na Zhou?Peihua Ni	iu?Peipei
				CDC		CDC	Liu?Faxian Zhan?	?Weifeng
							Shi?Baoying Hu	ıang?Jun
							Liu?Li Z	Zhao?Yao
							Meng?Xiaozhou	He?Fei
							Ye?Na Zhu?Yang	Li?Jing
							Chen?Wenbo Xu?Ge	eorge F.
							Gao?Guizhen Wu	
EPI ISL 402125	hCoV- 19/Wuhan-Hu- 1/2019	Asia / China	2019-12-31	unknown		National Institute Communicable Disease Control a Prevention (ICE Chinese Center Disease Control a Prevention (Chinese)	Zhang,YZ., Wu,F., M., Pei,YY., Xu,L., V and Zhao,S., Yu,B., Hu,Y. C) W., Song,ZG., T or Zhang,YL., Liu,Y., Z and J., Dai,FH., War	Vang,W., ,, Tao,Z ian,JH., Zheng,J ng,QM.,