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

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EPI_ISL_1064836

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EPI_ISL_1116510, EPI_ISL_1116514, EPI_ISL_1	116516, EPI_ISL_1116517, EPI_ISL_1116518, EPI_ISL_111651	9, EPI_ISL_1116520, EPI_ISL_1116526, EPI_ISL_1116527, E	PL_ISL_1116529, EPI_ISL_1116531
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EPL ISL_1172209, EPL ISL_1172213, EPL ISL_1172219, EPL ISL_1172220, EPL ISL_1172236, EPL ISL_1172246, E EPL ISL_1172313, EPL ISL_1172316, EPL ISL_1172331, EPL ISL_1172333, EPL ISL_1172336, EPL ISL_1172341, E EPL ISL_1172459, EPL ISL_1172459, EPL ISL_1172451, EPL ISL_1172450, EPL ISL_1172451, EPL ISL_1172452, E EPL ISL_1172505, EPL ISL_1172508, EPL ISL_1172514, EPL ISL_1172533, EPL ISL_1172541, EPL ISL_1172542, E EPL ISL_1172597, EPL ISL_1172605, EPL ISL_1172606, EPL ISL_1172609, EPL ISL_1172611, EPL ISL_1172615, E EPL ISL_1172725, EPL ISL_1172725, EPL ISL_1172726, EPL ISL_1172736, EPL ISL_1172738, EPL ISL_1172810, E EPL ISL_117285, EPL ISL_1172804, EPL ISL_1172806, EPL ISL_1172807, EPL ISL_1172808, EPL ISL_1172810, E EPL ISL_1172851, EPL ISL_1172804, EPL ISL_1172806, EPL ISL_1172809, EPL ISL_1172809, EPL ISL_1172810, E EPL ISL_1172844, EPL ISL_1172845, EPL ISL_1172846, EPL ISL_1172849, EPL ISL_1172970, EPL ISL_1172891, E EPL ISL_1172844, EPL ISL_1172845, EPL ISL_1172946, EPL ISL_1172949, EPL ISL_1172970, EPL ISL_1172972, EPL ISL_1172973, EPL ISL_1172974, EPL IS	PI ISL 1172247. EPI ISL 1172250. EPI ISL 1172254. EPI ISL 1172347. EPI ISL 1172348. EPI ISL 1172378. EPI ISL 1172346. EPI ISL 1172378. EPI ISL 1172454. EPI ISL 1172456. EPI ISL 1172450. EPI ISL 1172575. EPI ISL 1172557. EPI ISL 1172567. EPI ISL 1172647. EPI ISL 1172746. EPI ISL 1172815. EPI ISL 117286. EPI ISL 1172895. EPI ISL 1172896. EPI ISL 1172897. EPI ISL 1172897. EPI ISL 1172997. EPI ISL 1172997. EPI ISL 1172997. EPI ISL 1173075. EPI ISL 1173075. EPI ISL 1173076. EPI ISL 1173075. EPI ISL 1173075. EPI ISL 1173076. EPI ISL	ISL_1172149, EPI_ISL_1172158, EPI_ISL_1172166, EPI_ISL_1172170, EPI_ISL_117216, EPI_ISL_1172189, EPI_ISL_1172190, EPI_ISL_1172194, I_ISL_1172296, EPI_ISL_1172296, EPI_ISL_1172296, EPI_ISL_1172296, EPI_ISL_1172296, EPI_ISL_1172309, EPI_ISL_1172399, EPI_ISL_1172496, EPI_ISL_1172296, EPI_ISL_1172499, EPI_ISL_1172496, EPI_ISL_1172493, I_ISL_1172491, EPI_ISL_1172494, EPI_ISL_1172493, I_ISL_1172494, EPI_ISL_1172494, EPI_ISL_1172494, EPI_ISL_1172494, I_ISL_1172494, I_ISL_1172494, I_ISL_1172494, I_ISL_1172494, I_ISL_1172594, I_ISL_1172596, I_ISL_117266, I_ISL_117266
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EPI_ISL_1184102, EPI_ISL_1184103, New Jersey Department of Health, Public Health and N EPI_ISL_1184106, EPI_ISL_1184109 Environmental Laboratories	lew Jersey Public Health and Environmental Laboratories	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EPI_ISL_1191460 National Virus Reference Laboratory	National Virus Reference Laboratory	Zoe Yandle, Charlene Bennet, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun
EPI_ISL_1195753, EPI_ISL_1195759, EPI_ISL_1195761, EPI_ISL_1195763, EPI_ISL_1195775, EPI_ISL_1195776, E EPI_ISL_1195901	PI_ISL_1195780, EPI_ISL_1195789, EPI_ISL_1195808, EPI	1_ISL_1195810, EPI_ISL_1195827, EPI_ISL_1195830, EPI_ISL_1195833, EPI_ISL_1195843, EPI_ISL_1195857, EPI_ISL_1195866, EPI_ISL_1195879,
see above NYU Langone Health De	partments of Pathology and Medicine, New York University School of Medicine	Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo Cotzia, Guiqing Wang
EPI_ISL_1197134, EPI_ISL_1197141, USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1197147 EPI_ISL_1197979 New Mexico Department of Health Scientific Laboratory C	Center for Global Health, University of New Mexico Health Sciences Center	Daryl Domman, Kurt Schwalm, Twila Kunde, Joseph Hicks, Anastacia Griego, Michael Edwards, Darrell Dinwiddie
EPI_ISL_1200535, EPI_ISL_1200563 DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1200564 DOHMH Chelsea	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1200567, EPI_ISL_1200578, DOHMH Morrisania EPI_ISL_1200580	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1200590 DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1200604 DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1200605 DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1200606 DOHMH Riverside	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1200610 OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPL_ISL_1203819, EPL_ISL_1203826, The Jackson Laboratory EPL_ISL_1203827, EPL_ISL_1203828	The Jackson Laboratory	Lloyd M, Sanderson B, Srivastava A, Maurya R, Renzette N, Omerza G, Kelly K, Li L, Wei C L, Adams M
EPI_ISL_1205453 Mayo Clinic & Mayo Clinic Laboratories M	linnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1218888 Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_1221173, EPI_ISL_1221352, Laboratory Corporation of America Ce EPI_ISL_1221982, EPI_ISL_1222140, EPI_ISL_1222413	Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhwani Batra, Ben L. Rambo-Martin, Minoo Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williamss, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Suxiang Tong, Duncan MacCannell

EPI_ISL_1225597, EPI_ISL_1225608, EPI_ISL_1225609	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Marie L. Landry, Nathan Grubaugh
EPI_ISL_1225664	Murphy Medical Association	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Caleb Neal, Eva Laszlo, Steven Murphy, Nathan Grubaugh
EPI_ISL_1225668, EPI_ISL_1225670	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Marie L. Landry, Nathan Grubaugh
EPI_ISL_1225699, EPI_ISL_1225701, EPI_ISL_1225713	Murphy Medical Association	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Caleb Neal, Eva Laszlo, Steven Murphy, Nathan Grubaugh
EPI_ISL_1225729, EPI_ISL_1225730	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Marie L. Landry, Nathan Grubaugh
EPI_ISL_1226419, EPI_ISL_1226440, EPI_ISL_1226595	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226702, EPI_ISL_1226723, EPI_ISL_1226727	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226728	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226735, EPI_ISL_1226737, EPI_ISL_1226740, EPI_ISL_1226741	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226743	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPLISL_1226744, EPLISL_1226746, EPLISL_1226749, EPLISL_1226750, EPLISL_1226751, EPLISL_1226753, EPLISL_1226760	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226768, EPI_ISL_1226769	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselguist
EPI_ISL_1226770	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselguist
EPI_ISL_1226772	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226776, EPI_ISL_1226780	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226782, EPI_ISL_1226784, EPI_ISL_1226786, EPI_ISL_1226787	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226796, EPI_ISL_1226797	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226801, EPI_ISL_1226802, EPI_ISL_1226806, EPI_ISL_1226807	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226808	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226812	New York Presbyterian Hospital	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226820	MEMORIAL SLOAN KETTERING CANCER CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226824	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226825, EPI_ISL_1226826, EPI_ISL_1226829, EPI_ISL_1226834	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226873	SUNY UPSTATE MEDICAL UNIVERSITY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226935	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226939, EPI_ISL_1226943, EPI_ISL_122		, EPI_ISL_1226948, EPI_ISL_1226951, EPI_ISL_1226953, EF	PI_ISL_1226957, EPI_ISL_1226960, EPI_ISL_1226965, EPI_ISL_1226967, EPI_ISL_1226975
see above	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226981	SUNY UPSTATE MEDICAL UNIVERSITY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226985	BIO-REFERENCE LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226991, EPI_ISL_1226993, EPI_ISL_1226997	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1226998	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227002, EPI_ISL_1227003, EPI_ISL_1227004	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227005, EPI_ISL_1227009	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227016, EPI_ISL_1227021, EPI_ISL_1227024	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227032	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider,

Erica Lasek-Nesselquist

EPI_ISL_1227035, EPI_ISL_1227037, EPI_ISL_1	1227039, EPI_ISL_1227044, EPI_ISL_1227048, EPI_ISL_12270	49, EPI_ISL_1227050, EPI_ISL_1227051, EPI_ISL_1227053, E	PI_ISL_1227056, EPI_ISL_1227057, EPI_ISL_1227059, EPI_ISL_1227060, EPI_ISL_1227061, EPI_ISL_1227062
see above	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227068	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227070, EPI_ISL_1227071, EPI_ISL_1227073, EPI_ISL_1227075, EPI_ISL_1227083, EPI_ISL_1227084	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227087	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227090, EPI_ISL_1227093, EPI_ISL_1227094, EPI_ISL_1227097, EPI_ISL_1227098, EPI_ISL_1227099, EPI_ISL_1227103, EPI_ISL_1227104, EPI_ISL_1227108	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227109	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227112, EPI_ISL_1227125, EPI_ISL_1227127, EPI_ISL_1227128	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227132	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227138, EPI_ISL_1227139, EPI_ISL_1227141, EPI_ISL_1227146, EPI_ISL_1227147, EPI_ISL_1227156, EPI_ISL_1227159, EPI_ISL_1227160	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227166	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227167, EPI_ISL_1227170, EPI_ISL_1227171	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227174	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227180	MEMORIAL SLOAN KETTERING CANCER CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227184, EPI_ISL_1227186, EPI_ISL_1227187	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227189	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227191, EPI_ISL_1227192, EPI_ISL_1227194, EPI_ISL_1227199, EPI_ISL_1227202, EPI_ISL_1227203, EPI_ISL_1227204	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227207	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227209	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227211	MEMORIAL SLOAN KETTERING CANCER CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227218, EPI_ISL_1227219	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227221	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1227223, EPI_ISL_1227225	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1231730, EPI_ISL_1231847, EPI_ISL_1231857	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1235195	CA DPH Viral and Rickettsial Disease Laboratory	Chan-Zuckerberg Biohub	CZB Cliahub Consortium
EPI_ISL_1235709	Houston Methodist Hospital	Houston Methodist Hospital	S. Wesley Long, Randall J. Olsen, Paul A. Christensen, Sishir Subedi, Robert Olson, James J. Davis, Matthew Ojeda Saavedra, Prasanti Yerramilli, Layne Pruitt, Kristina Reppond, Madison N. Shyer, Jessica Cambric, Ilya J. Finkelstein, Jimmy Gollihar, and James M. Musser
EPI_ISL_1240765, EPI_ISL_1240772	University Hospitals Translational Laboratory (UHTL), University Hospitals	University Hospitals Translational Laboratory (UHTL), University Hospitals	Sadri,N., Alouani,D., Song,X.
EPI_ISL_1241837	PHV-FSS	PHV-FSS	Son Nguyen
EPI_ISL_1244858	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1253798	Broad Institute Clinical Research Sequencing Platform	Infectious Disease Program, Broad Institute of Harvard and MIT	Lemieux, J.E., Siddle, K.J., Adams, G., Gladden-Young, A., Lagerborg, K., Rudy, M., DeRuff, K., Carter, A., Normandin, E., Bauer, M., Reilly, S., Tomkins-Tinch, C., Loreth, C., Chaluvadi, S., Birren, B.W., Gallagher, G., Smole, S., Park, D.J., MacInnis, B.L., and Sabeti, P.C.
EPI_ISL_1254233, EPI_ISL_1254234, EPI_ISL_1254237, EPI_ISL_1254242, EPI_ISL_1254243, EPI_ISL_1254259, EPI_ISL_1254283, EPI_ISL_1254285, EPI_ISL_1254288, EPI_ISL_1254293	NJDOH, Public Health and Environmental Laboratories	NJ_PHEL	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EDI ISI 1258470 EDI ISI 1258471 EDI ISI 1	1258482 FPI ISI 1258484 FPI ISI 1258486 FPI ISI 12584	ON EDI ISI 1258502 EDI ISI 1258508 EDI ISI 1258500 E	DI ISI 1258515 EDI ISI 1258525 EDI ISI 1258535 EDI ISI 1258536 EDI ISI 1258537 EDI ISI 1258538 EDI ISI 1258540 EDI ISI 1258543

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EPI_ISL_1250921			
see above	Pandemic Response Lab - NYC	Pandemic Response Lab, R&D	Henry Lee, Michael Hammerling, Melissa Hopkins, Cybill del Castillo, Shinyoung Clair Kang, William Ward, Pradeep Bugga, Haiping Hao, Jon Laurent
EPI_ISL_1261140, EPI_ISL_1261149	Molecular & Genomic Pathology Laboratory, Thomas Jefferson University Hospital	Molecular & Genomic Pathology Laboratory, Thomas Jefferson University Hospital	Nitika Badjatia, Run Jin, Zi-xuan Wang
EPI_ISL_1261814	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261817	DOHMH Chelsea	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261821	DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261822	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261824	DOHMH Central Harlem	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261828, EPI_ISL_1261829	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261831	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261835, EPI_ISL_1261837	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261838	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261840, EPI_ISL_1261841, EPI_ISL_1261842	DOHMH Riverside	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261843	DOHMH Central Harlem	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261845	DOHMH Riverside	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261848	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261852	DOHMH Chelsea	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261853	Department of Homeless Services	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1261854	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1262507, EPI_ISL_1262508, EPI_ISL_	1262517, EPI_ISL_1262533, EPI_ISL_1262547, EPI_ISL_1262	1551, EPI_ISL_1262552, EPI_ISL_1262554, EPI_ISL_1262556, E	EPI_ISL_1262559, EPI_ISL_1262561, EPI_ISL_1262566, EPI_ISL_1262567, EPI_ISL_1262568
see above	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo Cotzia, Guiqing Wang
EPI_ISL_1268198	DPHL	Delaware Public Health Lab	Rebecca Savage
EPI ISL 1273308, EPI ISL 1273310, EPI ISL	1273326, EPI ISL 1273329, EPI ISL 1273337, EPI ISL 1273	339, EPI ISL 1273340, EPI ISL 1273342, EPI ISL 1273343, E	EPI ISL 1273344, EPI ISL 1273345, EPI ISL 1273352, EPI ISL 1273355, EPI ISL 1273357, EPI ISL 1273359, EPI ISL 1273369, EPI ISL 1273369,

EPI_ISL_1273308, EPI_ISL_1273326, EPI_ISL_1273326, EPI_ISL_1273329, EPI_ISL_1273329, EPI_ISL_1273339, EPI_ISL_1273340, EPI_ISL_1273342, EPI_ISL_1273344, EPI_ISL_1273345, EPI_ISL_1273355, EPI_ISL_1273357, EPI_ISL_1273357, EPI_ISL_1273378, EPI_ISL_1273378

The Jackson Laboratory

see above

EPI_ISL_1289652

see above

The Jackson Laboratory

MSHS Clinical Microbiology Laboratories

Michigan Department of Health and Human Services, Bureau Michigan Department of Health and Human Services, Bureau

	UI LADUIAIUITES	UI LADUIAIUITES	
EPI_ISL_1292627	State Laboratories Division, Hawaii State Department of Health	State Laboratories Division, Hawaii State Department of Health	Pamela O'Brien, Drew Kuwazaki, Ayana Garnet, Razvan Sultana, Edward Desmond
EPI_ISL_1292995, EPI_ISL_1292996	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Marie L. Landry, Nathan Grubaugh
EPI_ISL_1293135, EPI_ISL_1293136, EPI_ISL_1293141	Murphy Medical Association	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Caleb Neal, Eva Laszlo, Steven Murphy, Nathan Grubaugh
EPI_ISL_1293203	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman,

Bergeron D, Renzette N, Adams M, Omerza G, Kelly K, Li L

Blankenship HM, Riner D, Soehnlen MK

Marie L. Landry, Nathan Grubaugh

Ana S. Gonzalez-Reiche, Hala Alshammary, Mitchell J. Sullivan, Brianne Ciferri, Ajay Obla, Angela Amoako, Mahmoud Awawda, Daniel Floda, Julia Matthews, Ashley Salimbangon, Levy Sominsky, Katherine Beach, Kayla Russo, Charles Gleason, Shelcie Fabre, Giulio Kleiner, Zenab Khan, Bremy

EPL_ISL_1300107 Colorado Department of Public Health and Environment Colorado Department of Public Health and Environment Laura Bankers, Molly C. Hetherington-Rauth, Diana Ir, Shannon R. Matzinger, Sarah Elizabeth Totten, Emily A. Travanty

EPI_ISL_1300176, EPI_ISL_1300196, EPI_ISL_1300196, EPI_ISL_1300196, EPI_ISL_1300196, EPI_ISL_1300196, EPI_ISL_1300196, EPI_ISL_1300217, EPI_ISL_1300217, EPI_ISL_1300217, EPI_ISL_1300228, EPI_ISL_1300233, EPI_ISL_1300234, EPI_ISL_1300235, EPI_ISL_1300236, EPI_ISL_1300236, EPI_ISL_1300237, EPI_ISL_1300237, EPI_ISL_1300237, EPI_ISL_1300237, EPI_ISL_1300237, EPI_ISL_1300237, EPI_ISL_1300238, EPI

see above NYU Langone Health Departments of Pathology and Medicine, New York University Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo School of Medicine

Cotzia, Guiqing Wang

EPI_ISL_1300757, EPI_ISL_1300758, EPI_ISL_1300818, EPI_ISL_1300818, EPI_ISL_1300843, EPI_ISL_1300843, EPI_ISL_1300877, EPI_ISL_1300879, EPI_ISL_1300889, EPI_ISL_1300899, EPI_ISL_1300906, EPI_ISL_13009017, EPI_ISL_1300917, EPI_ISL_1300920, EPI_ISL_1300925, EPI_ISL_1300926, EPI_ISL_1300928

			Alburquerque, Adriana van de Guchte, Komal Srivastava, Matthew M. Hernandez, Jayeeta Dutta, Denise Jurczyszak, Nancy Francoeur, Betsaida Salom Melo, Irina Oussenko, Gintaras Deikus, Juan Soto, Shwetha Hara Sridhar, Ying-Chih Wang, Kathryn Twyman, Deena R. Altman, Robert Sebra, Adolfo Garcia-Sastre, Marta Luksza, Gopi Patel, Sarah Schaefer, Melissa Gitman, Michael D. Nowak, Alberto Paniz-Mondolfi, Emilia Mia Sordillo, Viviana Simon, Harm van Bakel
EPI_ISL_1302760	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cosgun, Suleyman Yalcin, Gulay Korukluoglu
EPI_ISL_1303415, EPI_ISL_1303443, EPI_ISL_1303462	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303484	Flow Diagnostics Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303493	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1305151	Houston Methodist Hospital	Houston Methodist Hospital	S. Wesley Long, Randall J. Olsen, Paul A. Christensen, Sishir Subedi, Robert Olson, James J. Davis, Matthew Ojeda Saavedra, Prasanti Yerramilli, Layne Pruitt, Kristina Reppond, Madison N. Shyer, Jessica Cambric, Ilya J. Finkelstein, Jimmy Gollihar, and James M. Musser

MSHS Pathogen Surveillance Program

EPI_SL_1306246, EPI_SL_1306256, EPI_SL_1306265, EPI_SL_1306281, EPI_SL_1306283, EPI_SL_1306283, EPI_SL_1306335, EPI_SL_1306335, EPI_SL_1306335, EPI_SL_1306335, EPI_SL_1306335, EPI_SL_1306335, EPI_SL_1306335, EPI_SL_1306336, EPI_SL_1306336

EPI_ISL_1306879, EPI_ISL_1306880, EPI_ISL_11 EPI_ISL_1306987, EPI_ISL_1306988, EPI_ISL_11 EPI_ISL_1307038, EPI_ISL_13071039, EPI_ISL_11 EPI_ISL_1307103, EPI_ISL_1307104, EPI_ISL_11 EPI_ISL_1307152, EPI_ISL_1307154, EPI_ISL_11 EPI_ISL_1307240, EPI_ISL_1307325, EPI_ISL_11 EPI_ISL_1307324, EPI_ISL_1307325, EPI_ISL_11 EPI_ISL_1307399, EPI_ISL_1307407, EPI_ISL_11 EPI_ISL_1307501, EPI_ISL_1307503, EPI_ISL_11	306884, EPI_ISL_1306895, EPI_ISL_1306898, EPI_ISL_1306890 306992, EPI_ISL_1307001, EPI_ISL_1307003, EPI_ISL_130700 3077053, EPI_ISL_1307060, EPI_ISL_1307062, EPI_ISL_130710 307160, EPI_ISL_1307111, EPI_ISL_1307115, EPI_ISL_130711 307258, EPI_ISL_1307162, EPI_ISL_1307171, EPI_ISL_130717 307258, EPI_ISL_1307336, EPI_ISL_1307273, EPI_ISL_130734 307408, EPI_ISL_13073040, EPI_ISL_13073414, EPI_ISL_130742 307505, EPI_ISL_1307510, EPI_ISL_1307513, EPI_ISL_130742	9, EPI_ISL_1306913, EPI_ISL_1306924, EPI_ISL_1306926, E 4, EPI_ISL_1307006, EPI_ISL_1307008, EPI_ISL_1307010, E 4, EPI_ISL_1307077, EPI_ISL_1307081, EPI_ISL_1307085, E 6, EPI_ISL_1307117, EPI_ISL_1307120, EPI_ISL_1307122, E 6, EPI_ISL_1307180, EPI_ISL_1307181, EPI_ISL_1307182, E 4, EPI_ISL_1307280, EPI_ISL_1307284, EPI_ISL_1307285, E 2, EPI_ISL_1307343, EPI_ISL_1307349, EPI_ISL_1307361, E 4, EPI_ISL_1307343, EPI_ISL_1307349, EPI_ISL_13073435, E 5, EPI_ISL_1307516, EPI_ISL_1307519, EPI_ISL_1307524, E	PLISL_1306840, EPLISL_1306846, EPLISL_1306854, EPLISL_1306858, EPLISL_1306863, EPLISL_1306866, EPLISL_1306870, EPLISL_1306874, EPLISL_1306936, EPLISL_1306944, EPLISL_1306948, EPLISL_1306925, EPLISL_1306971, EPLISL_1306972, EPLISL_1306979, EPLISL_1306985, EPLISL_1307044, EPLISL_1307044, EPLISL_1307044, EPLISL_1307044, EPLISL_1307046, EPLISL_1307087, EPLISL_1307088, EPLISL_1307089, EPLISL_1307085, EPLISL_1307095, EPLISL_1307095, EPLISL_1307095, EPLISL_1307095, EPLISL_1307102, EPLISL_1307102, EPLISL_1307124, EPLISL_1307124, EPLISL_1307125, EPLISL_1307130, EPLISL_1307131, EPLISL_1307133, EPLISL_1307136, EPLISL_1307146, EPLISL_1307149, EPLISL_1307183, EPLISL_1307184, EPLISL_1307197, EPLISL_1307197, EPLISL_1307296, EPLISL_1307224, EPLISL_1307289, EPLISL_1307297, EPLISL_1307297, EPLISL_1307301, EPLISL_1307310, EPLISL_1307231, EPLISL_1307297, EPLISL_1307297, EPLISL_1307314, EPLISL_1307314, EPLISL_1307398, EPLISL_1307390, EPLISL_1307394, EPLISL_1307373, EPLISL_1307374, EPLISL_1307470, EPLISL_1307434, EPLISL_1307458, EPLISL_1307458, EPLISL_1307458, EPLISL_1307458, EPLISL_1307458, EPLISL_1307458, EPLISL_1307546, EPLISL_1307546, EPLISL_1307556, EPLISL_1307587, EPLISL_1307590, EPLISL_1307591, EPLISL_1307593, EPLISL_1307601, EPLISL_1307611, EPLISL_1307615, EPLISL_1307627, EPLISL_1307627, EPLISL_1307587, EPLISL_1307590, EPLISL_1307593, EPLISL_1307601, EPLISL_1307601, EPLISL_1307615, EPLISL_1307627, EPLISL_1307687, EPLISL_1307690, EPLISL_1307591, EPLISL_1307593, EPLISL_1307603, EPLISL_1307601, EPLISL_13076015, EPLISL_13076015, EPLISL_1307627, EPLISL_1307691, EPLISL_1307591, EPLISL_1307593, EPLISL_1307603, EPLISL_1307601, EPLISL_13076015, EPLISL_13076617, EPLIS
see above	Pandemic Response Lab - NYC	Pandemic Response Lab, R&D	Henry Lee, Michael Hammerling, Melissa Hopkins, Cybill del Castillo, Shinyoung Clair Kang, William Ward, Pradeep Bugga, Sol Rey, Dylan Law, Haiping Hao, Jon Laurent
EPI_ISL_1311965	The Ohio State University Applied Microbiology Services Laboratory	The Ohio State University Applied Microbiology Services Laboratory	Seth A. Faith PhD
EPI_ISL_1312775	Molecular & Genomic Pathology Laboratory, Thomas Jefferson University Hospital	Molecular & Genomic Pathology Laboratory, Thomas Jefferson University Hospital	Run Jin, Nitika Badjatia, Zi-xuan Wang
EPI_ISL_1313545, EPI_ISL_1313547, EPI_ISL_1313549	NJDOH, Public Health and Environmental Laboratories	NJ_PHEL	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EPI_ISL_1313718	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin L. Young, Kelly F. Oakeson, Tara Gallagher
EPI_ISL_1314086	University of Wisconsin-Madison AIDS Vaccine Research Laboratories	University of Wisconsin-Madison AIDS Vaccine Research Laboratories	Gage Moreno, Katarina Braun, et al. AIDS Vaccine Research Laboratories
EPI_ISL_1314316	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
	315134, EPI_ISL_1315138, EPI_ISL_1315141, EPI_ISL_131514 315202, EPI_ISL_1315203, EPI_ISL_1315207, EPI_ISL_131520		PLISL_1315166, EPI_ISL_1315172, EPI_ISL_1315178, EPI_ISL_1315179, EPI_ISL_1315186, EPI_ISL_1315189, EPI_ISL_1315190, EPI_ISL_1315193, EPI_ISL_1315218
see above	The Jackson Laboratory	The Jackson Laboratory	Bergeron D, Renzette N, Adams M, Omerza G, Kelly K, Li L
EPLISL_1319050, EPLISL_1319169, EPLISL_1319502, EPLISL_1319648, EPLISL_1320399, EPLISL_1320698, EPLISL_1320751, EPLISL_1320893	Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhwani Batra, Ben L. Rambo-Martin, Minoo Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1321493	Genetica Molecular and Subdepartamento de Virologia ISP Chile	Instituto de Salud Publica de Chile	Javier Tognarelli, Karen Orostica, Barbara Parra, Loredana Arata, Jaime Lagos, Gisselle Barra, Patricia Bustos, Rodrigo Fasce, Andres Castillo, Jorge Fernandez
EPI_ISL_1322716	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	KU Leuven, Rega Institute, Clinical and Epidemiological Virology	Tony Wawina-Bokalanga, Bert Vanmechelen, Joan Marti-Carerras, Piet Maes
EPI ISL 1322748. EPI ISL 1322767. EPI ISL 13	٠,	57	PI ISL 1322813, EPI ISL 1322814, EPI ISL 1322822, EPI ISL 1322823, EPI ISL 1322824, EPI ISL 1322827, EPI ISL 1322829
see above		Departments of Pathology and Medicine, New York University School of Medicine	
EPI_ISL_1332719	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1337464	DOHMH Chelsea	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337468	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337475	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337482	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337513	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337514, EPI_ISL_1337515	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337520	DOHMH Central Harlem	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337527	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337528	DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337530	DOHMH PHL	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337534, EPI_ISL_1337535	DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337537, EPI_ISL_1337538	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1337540	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPLISL_1338534, EPLISL_1338632, EPLISL_1338661, EPLISL_1338672, EPLISL_1338686, EPLISL_1338705, EPLISL_133873, EPLISL_1339238, EPLISL_1339633, EPLISL_1339748	Laboratory Corporation of America		
EPI_ISL_1340173, EPI_ISL_1340175, EPI_ISL_1340190, EPI_ISL_1340202, EPI_ISL_1340204, EPI_ISL_1340207	NJDOH, Public Health and Environmental Laboratories	New Jersey Public Health and Environmental Laboratories (PHEL)	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EPI_ISL_1340884	New Mexico Department of Health Scientific Laboratory	New Mexico Department of Health Scientific Laboratory	Ellie Johnson, Anastacia Griego-Fisher, D'eldra Malone, Jennifer Benoit
EPI_ISL_1364525	Stanford Health Care	Stanford University School of Medicine, Clinical Virology Laboratory	Daniel Solis, Mamdouh Sibai, Fumiko Yamamoto, Malaya K. Sahoo, Michelle Verghese, ChunHong Huang, James Zehnder, and Benjamin A. Pinsky
EPI_ISL_1365482	Arizona State University	Arizona State University	Peter T. Skidmore, LaRinda A. Holland, Rabia Maqsood, Emily A. Kaelin, Nicholas J. Mellor, Kristina Buss, Joy M. Blain, Neal W Woodbury, Valerie Harris, Joshua LaBaer, Vel Murugan, Efrem S. Lim

EPI_ISL_1365717 EPI_ISL_1367826	Virginia Division of Consolidated Laboratory Services		
	-	Virginia Division of Consolidated Laboratory Services	Virginia DCLS
EDI 101 4000E00	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlen MK
EPI_ISL_1369590	University Hospitals of Geneva, Laboratory of Virology	HUG, Laboratory of Virology and the Health2030 Genome Center	Samuel Cordey, Ana Rita Goncalves, Laurent Kaiser, Lorenzo Cerutti, Henri Pegeot, Melyssa Elies, Deborah Penet, Keith Harshman, Ioannis Xenarios, Emmanouil Dermitzakis
EPI_ISL_1373032	Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Jim Mildenberger, Wanda Manley, Noah Hull, Taylor Fearing, Lynette Gumbleton, Channing Weber, Ashley Norberg, Chayse Rowley, Marley Goetz, Brian Dominguez, Elliot Thomasson, Cari Sloma, and Rob Christensen
EPI_ISL_1378711, EPI_ISL_1378720, EPI_ISL_1378724	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Marie L. Landry, Nathan Grubauqh
EPI_ISL_1378726	Grubaugh Lab - Yale School of Public Health	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Nathan Grubaudh
EPLISL_1378728, EPLISL_1378730, EPLISL_1378736, EPLISL_1378738, EPLISL_1378741, EPLISL_1378744, EPLISL_1378745, EPLISL_1378746, EPLISL_1378748, EPLISL_1378752	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Marie L. Landry, Nathan Grubaugh
EPI_ISL_1378753	Grubaugh Lab - Yale School of Public Health	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Nathan Grubaugh
EPI_ISL_1378762, EPI_ISL_1378764	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Marie L. Landry, Nathan Grubaugh
EPI_ISL_1378768, EPI_ISL_1378790, EPI_ISL_1378799, EPI_ISL_1378809	Tempus	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Matthew J. MacKay, Gaurav Khullar, Jessica Metti, Joel T. Dudley, Megan Nash, Nike Beaubier, Christopher E. Mason, Nathan Grubaugh
EPI_ISL_1378825, EPI_ISL_1378826	Murphy Medical Association	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Caleb Neal, Eva Laszlo, Steven Murphy, Nathan Grubaugh
EPLISL_1379220, EPLISL_1379221, EPLISL_1379224, EPLISL_1379226, EPLISL_1379231, EPLISL_1379236, EPLISL_1379240, EPLISL_1379247, EPLISL_1379255, EPLISL_1379262	NYP-WCM	New York Genome Center	Michael Zody, Andre Corvelo, Dayna M. Oschwald, Samantha Fennessey, Tom Maniatis, Melissa Cushing, Olivier Elemento, Margaret Elizabeth Ross, Chris Mason, Priya Velu, Hanna Rennert, Arryn Craney, Lars F Westblade
EPI_ISL_1379268, EPI_ISL_1379283, EPI_ISL_1379303, EPI_ISL_1379304, EPI_ISL_1379325, EPI_ISL_1379337	Hackensack Meridian Health	New York Genome Center	Michael Zody, Andre Corvelo, Dayna M. Oschwald, Samantha Fennessey, Tom Maniatis, Liang Chen, Jose Mediavilla, Marcus Cunningham, Kaelea Composto, Kar Chow, David Perlin, Barry Kreiswirth
EPLISL_1379342, EPLISL_1379343, EPLISL_1379344, EPLISL_1379345, EPLISL_1379358, EPLISL_1379374, EPLISL_1379382, EPLISL_1379384, EPLISL_1379386	NYP-WCM	New York Genome Center	Michael Zody, Andre Corvelo, Dayna M. Oschwald, Samantha Fennessey, Tom Maniatis, Melissa Cushing, Olivier Elemento, Margaret Elizabeth Ross, Chris Mason, Priya Velu, Hanna Rennert, Arryn Craney, Lars F Westblade
EPI_ISL_1379974	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1381304, EPI_ISL_1381305	Omics Sciences Laboratory	Omics Sciences Laboratory	Derly Andrade Molina, Rubén Armas González, Gabriel Morey León, Darlyn Amaya, Katheryn Sacheri Viteri, Emily Sulay Saltos Montalvo, Paula Juliana
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Deny Andrade Molina, Ruben Armas Golizalez, Gabrien Moley Edit, Danlyn Anlaya, Nameryn Gabrien Vnen, Erliny Gulay Gallos Montaiov, Padia Johanna Gavilanes Jarrin, Juan Carlos Fernández Cadena
EPI_ISL_1384639	Anteja laboratorija (UAB Diagnostikos laboratorija)	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine	
EPI_ISL_1384639 EPI_ISL_1384891, EPI_ISL_1384892, EPI_ISL_ EPI_ISL_1384958, EPI_ISL_1384960, EPI_ISL_ EPI_ISL_1385047, EPI_ISL_1385056, EPI_ISL_ EPI_ISL_1385120, EPI_ISL_1385121, EPI_ISL_ EPI_ISL_1385179, EPI_ISL_1385182, EPI_ISL_ EPI_ISL_1385233, EPI_ISL_1385343, EPI_ISL_ EPI_ISL_1385333, EPI_ISL_1385434, EPI_ISL_ EPI_ISL_1385403, EPI_ISL_1385413, EPI_ISL_ EPI_ISL_1385403, EPI_ISL_1385517, EPI_ISL_ EPI_ISL_1385514, EPI_ISL_1385597, EPI_ISL_ EPI_ISL_1385692, EPI_ISL_1385599, EPI_ISL_ EPI_ISL_1385693, EPI_ISL_1385995, EPI_ISL_	1384904, EPI_ISL_1384905, EPI_ISL_1384907, EPI_ISL_1384901 1384962, EPI_ISL_1384966, EPI_ISL_1384978, EPI_ISL_1384968 1385067, EPI_ISL_1385070, EPI_ISL_1385078, EPI_ISL_138508 1385182, EPI_ISL_1385129, EPI_ISL_1385128, EPI_ISL_1385138 1385183, EPI_ISL_1385189, EPI_ISL_1385192, EPI_ISL_1385138 1385243, EPI_ISL_1385244, EPI_ISL_1385365, EPI_ISL_138524 1385414, EPI_ISL_1385351, EPI_ISL_1385366, EPI_ISL_138546 1385414, EPI_ISL_1385351, EPI_ISL_1385356, EPI_ISL_138546 1385613, EPI_ISL_1385516, EPI_ISL_1385366, EPI_ISL_1385546	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine 8, EPI_ISL_1384909, EPI_ISL_1384916, EPI_ISL_1384927, Ei 5, EPI_ISL_1384998, EPI_ISL_1385003, EPI_ISL_1385006, Ei 7, EPI_ISL_1385199, EPI_ISL_1385041, EPI_ISL_1385095, Ei 0, EPI_ISL_1385139, EPI_ISL_1385143, EPI_ISL_1385122, Ei 9, EPI_ISL_1385196, EPI_ISL_1385200, EPI_ISL_1385266, Ei 1, EPI_ISL_1385363, EPI_ISL_1385364, EPI_ISL_1385366, Ei 0, EPI_ISL_1385456, EPI_ISL_1385525, EPI_ISL_1385546, Ei 7, EPI_ISL_1385550, EPI_ISL_1385525, EPI_ISL_13855454, Ei 7, EPI_ISL_1385625, EPI_ISL_1385622, EPI_ISL_13855640, EPI_ISL_1385642, EPI_ISL_1385640, EPI	Gavilanes Jarrín, Juan Carlos Fernández Cadena Dovile Ezerskyte, Daniel Naumovas, Gytis Dudas, Ingrida Olendraite, Rimvydas Norvilas, Ligita Raugaite, Monika Katenaite, Mindaugas Stoskus,
EPI_ISL_1384639 EPI_ISL_1384891, EPI_ISL_1384892, EPI_ISL_EPI_ISL_1384958, EPI_ISL_1384960, EPI_ISL_EPI_ISL_1385967, EPI_ISL_1385966, EPI_ISL_EPI_ISL_13851047, EPI_ISL_1385121, EPI_ISL_1385121, EPI_ISL_1385179, EPI_ISL_1385185, EPI_ISL_EPI_ISL_1385239, EPI_ISL_1385242, EPI_ISL_EPI_ISL_1385333, EPI_ISL_1385434, EPI_ISL_EPI_ISL_1385403, EPI_ISL_1385413, EPI_ISL_EPI_ISL_1385514, EPI_ISL_1385517, EPI_ISL_EPI_ISL_1385597, EPI_ISL_1385597, EPI_ISL_EPI_ISL_1385597, EPI_ISL_EPI_ISL	1384904, EPI_ISL_1384905, EPI_ISL_1384907, EPI_ISL_1384901 1384962, EPI_ISL_1384966, EPI_ISL_1384978, EPI_ISL_1384968 1385067, EPI_ISL_1385070, EPI_ISL_1385078, EPI_ISL_138508 1385182, EPI_ISL_1385129, EPI_ISL_1385128, EPI_ISL_1385138 1385183, EPI_ISL_1385189, EPI_ISL_1385192, EPI_ISL_1385138 1385243, EPI_ISL_1385244, EPI_ISL_1385365, EPI_ISL_138524 1385414, EPI_ISL_1385351, EPI_ISL_1385366, EPI_ISL_138546 1385414, EPI_ISL_1385351, EPI_ISL_1385356, EPI_ISL_138546 1385613, EPI_ISL_13855616, EPI_ISL_13855616, EPI_ISL_138556	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine 8, EPI_ISL_1384909, EPI_ISL_1384916, EPI_ISL_1384927, Ei 5, EPI_ISL_1384998, EPI_ISL_1385003, EPI_ISL_1385006, Ei 7, EPI_ISL_1385199, EPI_ISL_1385041, EPI_ISL_1385095, Ei 0, EPI_ISL_1385139, EPI_ISL_1385143, EPI_ISL_1385122, Ei 9, EPI_ISL_1385196, EPI_ISL_1385200, EPI_ISL_1385266, Ei 1, EPI_ISL_1385363, EPI_ISL_1385364, EPI_ISL_1385366, Ei 0, EPI_ISL_1385456, EPI_ISL_1385525, EPI_ISL_1385546, Ei 7, EPI_ISL_1385550, EPI_ISL_1385525, EPI_ISL_13855454, Ei 7, EPI_ISL_1385625, EPI_ISL_1385622, EPI_ISL_13855640, EPI_ISL_1385642, EPI_ISL_1385640, EPI	Gavilanes Jarrín, Juan Carlos Fernández Cadena Dovile Ezerskyte, Daniel Naumovas, Gytis Dudas, Ingrida Olendraite, Rimvydas Norvilas, Ligita Raugaite, Monika Katenaite, Mindaugas Stoskus, Laimonas Griskevicius PLISL_1384929, EPLISL_1384937, EPLISL_1384938, EPLISL_1384938, EPLISL_1384940, EPLISL_1385042, EPLISL_1385042, EPLISL_1385010, EPLISL_1385011, EPLISL_1385017, EPLISL_1385018, EPLISL_1385029, EPLISL_1385041, EPLISL_1385043, PLISL_1385102, EPLISL_1385103, EPLISL_1385105, EPLISL_1385106, EPLISL_1385116, EPLISL_1385118, EPLISL_1385118, EPLISL_1385118, EPLISL_1385177, PLISL_1385152, EPLISL_1385152, EPLISL_1385154, EPLISL_1385161, EPLISL_1385177, PLISL_1385236, EPLISL_1385203, EPLISL_1385206, EPLISL_1385212, EPLISL_1385219, EPLISL_1385221, EPLISL_1385236, EPLISL_1385236, EPLISL_1385276, EPLISL_1385279, EPLISL_1385291, EPLISL_1385298, EPLISL_1385310, EPLISL_1385322, EPLISL_1385303, EPLISL_1385402, EPLISL_1385303, EPLISL_1385407, EPLISL_1385407, EPLISL_1385564, EPLISL_1385564, EPLISL_1385654, EPLISL_1385654, EPLISL_1385654, EPLISL_1385656, EPLISL_1385667, EPLISL_1385667
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EPI_ISL_1384639 EPI_ISL_1384891, EPI_ISL_1384892, EPI_ISL_ EPI_ISL_1384958, EPI_ISL_1384960, EPI_ISL_ EPI_ISL_1385045, EPI_ISL_1385056, EPI_ISL_ EPI_ISL_1385120, EPI_ISL_1385121, EPI_ISL_ EPI_ISL_1385120, EPI_ISL_1385121, EPI_ISL_ EPI_ISL_1385233, EPI_ISL_1385242, EPI_ISL_ EPI_ISL_1385333, EPI_ISL_1385434, EPI_ISL_ EPI_ISL_1385404, EPI_ISL_1385413, EPI_ISL_ EPI_ISL_1385514, EPI_ISL_1385517, EPI_ISL_ EPI_ISL_1385576, EPI_ISL_1385695, EPI_ISL_ EPI_ISL_1385678, EPI_ISL_1385695, EPI_ISL_ EPI_ISL_1385780 EPI_ISL_1395744, EPI_ISL_1395747, EPI_ISL_ EPI_ISL_1395750 EPI_ISL_1395755, EPI_ISL_1395759 EPI_ISL_1395770, EPI_ISL_1395776	1384904, EPI_ISL_1384905, EPI_ISL_1384907, EPI_ISL_1384901 1384962, EPI_ISL_1384966, EPI_ISL_1384978, EPI_ISL_138498 1385067, EPI_ISL_1385070, EPI_ISL_1385078, EPI_ISL_138508 1385067, EPI_ISL_1385125, EPI_ISL_1385128, EPI_ISL_138513 1385188, EPI_ISL_1385139, EPI_ISL_1385192, EPI_ISL_138513 1385243, EPI_ISL_1385244, EPI_ISL_1385345, EPI_ISL_138534 1385347, EPI_ISL_1385335, EPI_ISL_1385336, EPI_ISL_138533 1385414, EPI_ISL_1385315, EPI_ISL_138535 1385603, EPI_ISL_1385415, EPI_ISL_1385466, EPI_ISL_138541 1385603, EPI_ISL_1385606, EPI_ISL_1385535, EPI_ISL_1385535 Pandemic Response Lab - NYC Columbia University Irving Medical Center NORTH SHORE UNIVERSITY HOSPITAL SUNY UPSTATE MEDICAL UNIVERSITY NORTH SHORE UNIVERSITY HOSPITAL SUNY UPSTATE MEDICAL UNIVERSITY	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine 8, EPI_ISL_1384909, EPI_ISL_1384916, EPI_ISL_1384927, Ei 5, EPI_ISL_1384998, EPI_ISL_1385003, EPI_ISL_1385006, Ei 7, EPI_ISL_1385139, EPI_ISL_1385014, EPI_ISL_1385150, Ei 9, EPI_ISL_1385139, EPI_ISL_1385205, EPI_ISL_1385202, Ei 9, EPI_ISL_1385255, EPI_ISL_1385257, EPI_ISL_1385203, EI 11, EPI_ISL_1385255, EPI_ISL_1385257, EPI_ISL_1385266, Ei 12, EPI_ISL_1385253, EPI_ISL_1385344, EPI_ISL_1385366, Ei 13, EPI_ISL_1385503, EPI_ISL_1385342, EPI_ISL_1385544, EI 14, EPI_ISL_1385525, EPI_ISL_1385527, EPI_ISL_1385434, EPI_ISL_138544,	Gavilanes Jarrín, Juan Carlos Fernández Cadena Dovile Ezerskyte, Daniel Naumovas, Gytis Dudas, Ingrida Olendraite, Rimvydas Norvilas, Ligita Raugaite, Monika Katenaite, Mindaugas Stoskus, Laimonas Griskevicius Laimonas Griskevicius PI_ISL_1384937, EPI_ISL_1384937, EPI_ISL_1384938, EPI_ISL_1384939, EPI_ISL_1384940, EPI_ISL_1384942, EPI_ISL_1384944, EPI_ISL_1384945, PI_ISL_1385008, EPI_ISL_1385010, EPI_ISL_1385011, EPI_ISL_1385017, EPI_ISL_1385018, EPI_ISL_1385029, EPI_ISL_1385041, EPI_ISL_1385043, PI_ISL_1385102, EPI_ISL_1385101, EPI_ISL_1385105, EPI_ISL_1385105, EPI_ISL_1385105, EPI_ISL_1385105, EPI_ISL_1385105, EPI_ISL_1385105, EPI_ISL_1385105, EPI_ISL_1385104, EPI_ISL_1385106, EPI_ISL_1385119, PI_ISL_1385102, EPI_ISL_1385166, EPI_ISL_1385171, EPI_ISL_1385276, EPI_ISL_1385279, EPI_ISL_1385273, EPI_ISL_1385276, EPI_ISL_1385279, EPI_ISL_1385279, EPI_ISL_1385273, EPI_ISL_1385276, EPI_ISL_1385279, EPI_ISL_1385279, EPI_ISL_1385276, EPI_ISL_1385274, EPI_ISL_1385276, EPI_ISL_1385276, EPI_ISL_1385473, EPI_ISL_1385494, EPI_ISL_1385495, EPI_ISL_1385401, EPI_ISL_1385402, PI_ISL_1385466, EPI_ISL_1385473, EPI_ISL_1385464, EPI_ISL_1385466, EPI_ISL_13854664, EPI_ISL_1385644, EPI_ISL_1385664, EPI_ISL_13856644, EPI_ISL_13856644, EPI_ISL_13856644, EPI_ISL_13856644, EPI_ISL_13856644, EPI_ISL_13
EPI_ISL_1384639 EPI_ISL_1384891, EPI_ISL_1384892, EPI_ISL_1384958, EPI_ISL_1384960, EPI_ISL_1384960, EPI_ISL_13854960, EPI_ISL_1385042, EPI_ISL_1385056, EPI_ISL_1385056, EPI_ISL_1385120, EPI_ISL_1385121, EPI_ISL_1385179, EPI_ISL_1385121, EPI_ISL_1385233, EPI_ISL_1385424, EPI_ISL_1385233, EPI_ISL_1385434, EPI_ISL_1385434, EPI_ISL_1385434, EPI_ISL_1385434, EPI_ISL_1385434, EPI_ISL_1385434, EPI_ISL_1385434, EPI_ISL_1385434, EPI_ISL_1385444, EPI_ISL_1385597, EPI_ISL_EPI_ISL_1385678, EPI_ISL_1385695, EPI_ISL_1385695, EPI_ISL_13856950, EPI_ISL_13856950, EPI_ISL_1395744, EPI_ISL_1395748 EPI_ISL_13957444, EPI_ISL_1395747, EPI_ISL_1395750 EPI_ISL_1395755, EPI_ISL_1395759 EPI_ISL_1395750, EPI_ISL_1395776 EPI_ISL_1395770, EPI_ISL_1395776 EPI_ISL_1397515, EPI_ISL_1397528 EPI_ISL_1397593, EPI_ISL_1397595,	1384904, EPI_ISL_1384905, EPI_ISL_1384907, EPI_ISL_1384901 1384962, EPI_ISL_1384966, EPI_ISL_1384978, EPI_ISL_1384961 1385067, EPI_ISL_1385070, EPI_ISL_1385078, EPI_ISL_138508 1385103, EPI_ISL_1385129, EPI_ISL_1385128, EPI_ISL_1385139 1385138, EPI_ISL_1385189, EPI_ISL_1385192, EPI_ISL_1385139 1385243, EPI_ISL_1385351, EPI_ISL_1385365, EPI_ISL_1385361 1385241, EPI_ISL_1385351, EPI_ISL_1385361, EPI_ISL_1385361 1385603, EPI_ISL_1385351, EPI_ISL_1385361, EPI_ISL_138561 1385603, EPI_ISL_1385606, EPI_ISL_1385616, EPI_ISL_138561 1385609, EPI_ISL_1385606, EPI_ISL_1385702, EPI_ISL_138570 Pandemic Response Lab - NYC Columbia University Irving Medical Center NORTH SHORE UNIVERSITY HOSPITAL SUNY UPSTATE MEDICAL UNIVERSITY NORTH SHORE UNIVERSITY HOSPITAL SUNY UPSTATE MEDICAL UNIVERSITY NORTH SHORE UNIVERSITY HOSPITAL SUNY UPSTATE MEDICAL UNIVERSITY	Vilnius University Hospital Santaros Klinikos, Center of Laboratory Medicine 8, EPI_ISL_1384909, EPI_ISL_1384916, EPI_ISL_1384927, Ei 5, EPI_ISL_1384998, EPI_ISL_1385003, EPI_ISL_1385006, Ei 7, EPI_ISL_1385098, EPI_ISL_1385091, EPI_ISL_1385006, Ei 7, EPI_ISL_1385199, EPI_ISL_1385143, EPI_ISL_1385150, Ei 8, EPI_ISL_1385196, EPI_ISL_1385207, EPI_ISL_1385207, EPI_ISL_1385265, EPI_ISL_1385265, EPI_ISL_1385267, EPI_ISL_1385266, Ei 10, EPI_ISL_1385425, EPI_ISL_1385264, EPI_ISL_1385366, Ei 10, EPI_ISL_1385425, EPI_ISL_1385526, EPI_ISL_1385544, EPI_ISL_13854654, EPI_ISL_1385645, EPI_ISL_1385642, EPI_ISL_1385640, EI 7, EPI_ISL_1385625, EPI_ISL_1385628, EPI_ISL_1385640, Ei 3, EPI_ISL_1385709, EPI_ISL_1385712, EPI_ISL_1385728, EI Pandemic Response Lab, R&D Wadsworth Center, New York State Department of Health	Gavilanes Jarrín, Juan Carlos Fernández Cadena Dovile Ezerskyte, Daniel Naumovas, Gytis Dudas, Ingrida Olendraite, Rimyydas Norvilas, Ligita Raugaite, Monika Katenaite, Mindaugas Stoskus, Laimonas Griskevicius PLISL_1384929, EPI_ISL_1384937, EPI_ISL_1384938, EPI_ISL_1384939, EPI_ISL_1384940, EPI_ISL_1384942, EPI_ISL_1385014, EPI_ISL_1385014, EPI_ISL_1385014, EPI_ISL_1385014, EPI_ISL_1385016, EPI_ISL_1385018, EPI_ISL_1385029, EPI_ISL_1385044, EPI_ISL_1385014, EPI_ISL_1385015, EPI_ISL_1385016, EPI_ISL_138516, EPI_ISL_1385162, EPI_ISL_1385118, EPI_ISL_1385113, EPI_ISL_1385113, EPI_ISL_1385118, EPI_ISL_1385118, EPI_ISL_1385113, EPI_ISL_1385113, EPI_ISL_1385118, EPI_ISL_1385118, EPI_ISL_1385113, EPI_ISL_1385113, EPI_ISL_1385118, EPI_ISL_1385118, EPI_ISL_1385113, EPI_ISL_1385118, EPI_ISL_1385118, EPI_ISL_1385113, EPI_ISL_1385113, EPI_ISL_1385114, EPI_ISL_1385114, EPI_ISL_1385114, EPI_ISL_1385118, EPI_ISL_1385114, E

EPLISL_1397651, EPLISL_1397656, EPLISL_1397666, EPLISL_1397668, EPLISL_1397677, EPLISL_1397683, EPLISL_1397687	NORTH SHORE UNIVERSITY HOSPITAL	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397749	ADIRONDACK MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397762	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397793, EPI_ISL_1397805, EPI_ISL_1397806, EPI_ISL_1397807	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397824	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397831	STONY BROOK UNIVERSITY HOSPITAL	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397867	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397873, EPI_ISL_1397881, EPI_ISL_1397882	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397888, EPI_ISL_1397897, EPI_ISL_1397900, EPI_ISL_1397904	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397909	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1397928, EPI_ISL_1397937, EPI_ISL_1397939, EPI_ISL_1397942, EPI_ISL_1397948	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398023	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPLISL 1398036, EPLISL 1398048, EPLISL 1398049, EPLISL 1398050, EPLISL 1398052, EPLISL 1398057, EPLISL 1398064, EPLISL 1398065, EPLISL 1398066	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398068, EPI_ISL_1398070, EPI_ISL_139	98072, EPI_ISL_1398074, EPI_ISL_1398080, EPI_ISL_139808	B1, EPI_ISL_1398082, EPI_ISL_1398084, EPI_ISL_1398086, EF	PLISL_1398095, EPLISL_1398112, EPLISL_1398119
see above	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398134	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398145, EPI_ISL_1398169, EPI_ISL_139	98172, EPI_ISL_1398173, EPI_ISL_1398178, EPI_ISL_13981	86, EPI_ISL_1398187, EPI_ISL_1398188, EPI_ISL_1398190, EF	PI_ISL_1398192, EPI_ISL_1398194, EPI_ISL_1398196, EPI_ISL_1398202
see above	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398268	WHITE PLAINS HOSPITAL CENTER LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398285, EPI_ISL_1398300	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398313	URMC LABS	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398326, EPI_ISL_1398327, EPI_ISL_1398330	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398337, EPI_ISL_1398339	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1398344, EPI_ISL_1398348, EPI_ISL_1398349	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1399589, EPI_ISL_1399590	Instituto Nacional de Saude (INSA)	Instituto Nacional de Saude (INSA)	Borges et al
	01521, EPI_ISL_1401523, EPI_ISL_1401525, EPI_ISL_14015	26, EPI_ISL_1401527, EPI_ISL_1401530, EPI_ISL_1401534, EF	PLISL_1401489, EPLISL_1401490, EPLISL_1401492, EPLISL_1401504, EPLISL_1401507, EPLISL_1401508, EPLISL_1401510, EPLISL_1401511, PLISL_1401540, EPLISL_1401542, EPLISL_1401550, EPLISL_1401553, EPLISL_1401558
see above	The Jackson Laboratory	The Jackson Laboratory	Bergeron D, Uvalic J, Renzette N, Adams M, Omerza G, Kelly K, Li L
EPI_ISL_1403004	Hospital of the University of Pennsylvania Molecular Pathology Lab	Bushman Lab - University of Pennsylvania	John Everett, Kyle Rodino, Shantan Reddy, Pascha Hokama, Aoife M. Roche, Young Hwang, Abigail Glascock, Scott Sherrill-Mix, Samantha A. Whiteside, Jevon Graham-Wooten, Layla A. Khatib, Ayannah S. Fitzgerald, Arupa Ganguly, Mike Feldman, Brendan Kelly, Ronald G. Collman and Frederic Bushman
EPI_ISL_1405013, EPI_ISL_1405016, EPI_ISL_1405026, EPI_ISL_1405027, EPI_ISL_1405033, EPI_ISL_1405034	NJDOH, Public Health and Environmental Laboratories	New Jersey Public Health and Environmental Laboratories (NJ PHEL)	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EPI_ISL_1406656	Centre De Prelevement COVID RIOM	CHU Clermont-Ferrand, service de virologie	Bisseux Maxime, Mirand Audrey, Combes Patricia, Henquell Cécile
EPI_ISL_1406657	Centre De Prélévement COVID VICHY	CHU Clermont-Ferrand, service de virologie	Bisseux Maxime, Mirand Audrey, Combes Patricia, Henquell Cécile
EPI_ISL_1408479	Viollier AG	Department of Biosystems Science and Engineering, ETH Zürich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Grüter, Timothy Sykes, Lennart Opitz, Griffid White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christiane Beckmann, Maurice Redondo, Olivier Kobel, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1410112	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1413154, EPI_ISL_1413193, EPI_ISL_1413221, EPI_ISL_1413316,	Broad Institute Clinical Research Sequencing Platform	Infectious Disease Program, Broad Institute of Harvard and MIT	Siddle, K.J., Adams, G., Pearlman, L., Gladden-Young, A., Vicente, G., Blumenstiel, B., DeFelice, M., Lee, M., McGovern, S., Lagerborg, K., Rudy, M., DeRuff, K., Carter, A., Normandin, E., Bauer, M., Reilly, S., Tomkins-Tinch, C., Loreth, C., Chaluvadi, S., Meldrim, J., Granger, B., Lemieux, J.E., Birren, B.W., Sabeti, P.C.,

EPLISL_1413498

Larkin,K., Dodge,S., Lennon,N., Madoff,L., Brown,C., Gallagher,G., Smole,S., Park,D.J., Gabriel,S., and MacInnis,B.L.

EPI_ISL_1422232 University of Wisconsin-Madison AIDS Vaccine Research University of Wisconsin-Madison AIDS Vaccine Research Gage Moreno, Katarina Braun, et al. AIDS Vaccine Research Laboratories

Laboratories	Laboratories	Gage Moreno, Natarina braun, et al. AIDS Vaccine Research Laboratories
23411, EPI_ISL_1423419, EPI_ISL_1423421, EPI_ISL_14234	28, EPI_ISL_1423430, EPI_ISL_1423438, EPI_ISL_1423441, EF	PI_ISL_1423452, EPI_ISL_1423459, EPI_ISL_1423476, EPI_ISL_1423481, EPI_ISL_1423485, EPI_ISL_1423494, EPI_ISL_1423495, EPI_ISL_1423500,
NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo Cotzia, Guiqing Wang
Oregon State Public Health Laboratory	Oregon State Public Health Laboratory	LaDonna Grenz, Karim Morey, Joel R. Sevinksy, Kevin, G. Libuit, John Fontana, Shane Sevey
Omics Sciences Laboratory	Omics Sciences Laboratory	Derly Andrade Molina, Rubén Armas González, Gabriel Morey León, Darlyn Amaya, Katheryn Sacheri Viteri, Emily Sulay Saltos Montalvo, Paula Juliana Gavilanes Jarrín, Juan Carlos Fernández Cadena
Outre mer	National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris	Marion Barbet, Sylvie Behillil, Méline Bizard,Frédéric Lemoine,Corinne Maufrais,Christophe Malabat, Angela Brisebarre, Camille Capel, Louise Lefrançois, Etienne Simon-Lorière, Vincent Enouf, Maud Vanpeene, Sylvie van der Werf,StéPhanie Guyomard-Rabenirina
Texas Children's Hospital	Texas Children's Microbiome Center	Ruth Ann Luna, Jennifer K. Spinler, James Dunn, James Versalovic, Ila Singh
DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
	Laboratories 23411, EPI_ISL_1423419, EPI_ISL_1423421, EPI_ISL_14234 NYU Langone Health Oregon State Public Health Laboratory Omics Sciences Laboratory Outre mer Texas Children's Hospital DOHMH Corona DOHMH Morrisania OCME Office Of Chief Medical Examiner DOHMH Jamaica	Laboratories NYU Langone Health Departments of Pathology and Medicine, New York University School of Medicine Oregon State Public Health Laboratory Omics Sciences Laboratory Omics Sciences Laboratory Outre mer National Reference Center for Viruses of Respiratory Infections, Institut Pasteur, Paris Texas Children's Hospital DOHMH Corona DOHMH Corona New York City Public Health Laboratory OCME Office Of Chief Medical Examiner DOHMH Jamaica New York City Public Health Laboratory New York City Public Health Laboratory

EPI_ISL_1447100	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447102	Department of Homeless Services	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447103, EPI_ISL_1447106	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447108, EPI_ISL_1447110	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447145	DOHMH PHL	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447146	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447148	DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447149, EPI_ISL_1447150	DOHMH PHL	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447152, EPI_ISL_1447159	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447160	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447163, EPI_ISL_1447164	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447165, EPI_ISL_1447171	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1447173	DOHMH Riverside	New York City Public Health Laboratory	Jade Wang, et al.

New York City Public Health Laboratory

NSW Health Pathology - Institute of Clinical Pathology and

Medical Research; Westmead Hospital; University of Sydney

Grubaugh Lab - Yale School of Public Health

HUG, Laboratory of Virology and the Health2030 Genome

Centers for Disease Control and Prevention Division of Viral

Diseases, Pathogen Discovery

EPI ISL 1447176

EPI ISL 1447177

EPI_ISL_1447179

EPI_ISL_1447181

EPI ISL 1447291

see above

EPI ISL 1448609

EPI_ISL_1462583

DOHMH Fort Greene

OCME Office Of Chief Medical Examiner

DOHMH Jamaica

DOHMH Morrisania

South Eastern Area Laboratory Services (SEALS)

Yale Clinical Virology Lab

University Hospitals of Geneva, Laboratory of Virology

Laboratory Corporation of America

EPI_ISL_1447510, EPI_ISL_1447512, EPI_ISL_1447512, EPI_ISL_1447514, EPI_ISL_1447520, EPI_ISL_1447531, EPI_ISL_1447531, EPI_ISL_1447534, EPI_ISL_1447554, EPI_ISL_1447555, EPI_ISL_1447555, EPI_ISL_1447555, EPI_ISL_1447566, EPI_ISL_1447560, EPI_ISL_1447560, EPI_ISL_1447560, EPI_ISL_1447560, EPI_ISL_1447560, EPI_ISL_1447600, EPI_IS

Jade Wang, et al.

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Jade Wang, et al.

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Joseph Fauver, Mallery Breban, Isabel Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Marie L. Landry, Nathan Grubaugh

Samuel Cordey, Ana Rita Goncalves, Laurent Kaiser, Lorenzo Cerutti, Henri Pegeot, Melyssa Elies, Deborah Penet, Keith Harshman, Ioannis Xenarios,

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Minoo Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin

Charcensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craiq Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt,

	g,	Center	Emmanouil Dermitzakis	
EPI_ISL_1461303	URMC LABS	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist	
EPI_ISL_1461316	SUNY UPSTATE MEDICAL UNIVERSITY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist	
EPI_ISL_1461323, EPI_ISL_1461327, EPI_ISL_1461342, EPI_ISL_1461344, EPI_ISL_1461347, EPI_ISL_1461352	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist	
EPI_ISL_1461359, EPI_ISL_1461360, EPI_ISL_1461374	TEMPUS LABS INC	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist	
EPI_ISL_1461505	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlen MK	
EPI_ISL_1461505 EPI_ISL_1462512			Blankenship HM, Riner D, Soehnlen MK Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist	
	of Laboratories	of Laboratories	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,	
EPI_ISL_1462512	of Laboratories URMC LABS	of Laboratories Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,	
EPI_ISL_1462512 EPI_ISL_1462542	of Laboratories URMC LABS SUNY UPSTATE MEDICAL UNIVERSITY	of Laboratories Wadsworth Center, New York State Department of Health Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,	

Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Duncan MacCannell

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher

Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Minoo Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin Chargensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushijkesh Deshmukh, Amanda Doudlas, Vincent Drouillon.

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CZB Cliahub Consortium

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Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,

EPI_ISL_1462589, EPI_ISL_1462594, NORTHWELL HEALTH LABORATORIES
EPI_ISL_1462599, EPI_ISL_1462604,
EPI_ISL_1462609, EPI_ISL_1462618,
EPI_ISL_1462620

see above

EPI ISL 1477057

EPI ISL 1478113

EPI ISL 1481723, EPI_ISL_1481724,

EPI ISL 1481755, EPI ISL 1481927.

EPI ISL 1481967, EPI ISL 1482119.

EPI_ISL_1482125 EPI_ISL_1482288 RTHWELL HEALTH LABORATORIES Wadsworth Center, New York State Department of Health

EPI ISL 1463838, EPI ISL 1463087, EPI ISL 1463100, EPI ISL 1463112, EPI ISL 1463118, EPI ISL 1463119, EPI ISL 1463187, EPI ISL 1463208, EPI ISL 1463318, EPI ISL 1463321, EPI ISL 1463400

Laboratory Corporation of America

Hospital General Universitario Gregorio Marañón

CA DPH Viral and Rickettsial Disease Laboratory

Fulgent Genetics

NYC Pandemic Response Lab

Centers for Disease Control and Prevention Division of Viral
Diseases, Pathogen Discovery

Hospital General Universitario Gregorio Marañón

Chan-Zuckerberg Biohub

Centers for Disease Control and Prevention Division of Viral

Diseases, Pathogen Discovery

Wadsworth Center, New York State Department of Health

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Paden, Duncan MacCannell EPI ISL 1464568 Labor Dr. Fenner und Kollegen Heinrich Pette Institute, Leibniz Institute for Experimenta Alexis Robitaille, Thomas Günther, Johannes Knobloch, Martin Aepfelbacher, Nicole Fischer, Adam Grundhoff Virology EPI ISL 1465000 Sonora Quest Laboratories TGen North "Jolene Bowers, Heather Centner, Chris French, Hayley Yaglom, Ashlyn Pfeiffer, Darrin Lemmer, Dave Engelthaler, The Arizona COVID Genomics Union (ACGU)" EPI ISL 1465635 ALBANY MEDICAL CENTER Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Wadsworth Center, New York State Department of Health Erasmus Schneider, Erica Lasek-Nesselguist EPI ISL 1465668 EPI ISL 1465671 MONTEFIORE MEDICAL CENTER LABORATORIES Kirsten St. George, Daryl M. 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Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Naviot Singh, John Kelly, Frasmus Schneider, Frica Lasek-Nesselquist EPI ISL 1465737 URMC LABS Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselguist EPI ISL 1465761, EPI ISL 1465762 NORTHWELL HEALTH LABORATORIES Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist EPI_ISL_1465797, EPI_ISL_1465798 MONTEFIORE MEDICAL CENTER LABORATORIES Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Frasmus Schneider, Frica Lasek-Nesselquist EPI ISL 1465807, EPI ISL 1465809. NYC Pandemic Response Lab Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Naviot Singh, John Kelly, EPI ISL 1465810, EPI ISL 1465811, Frasmus Schneider Frica Lasek-Nesselquist EPI ISL 1465819. EPI ISL 1465827. EPI_ISL_1465828, EPI_ISL_1465831 EPI ISL 1465838, EPI ISL 1465840, STONY BROOK UNIVERSITY HOSPITAL Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. 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Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, EPI_ISL_1465871, EPI_ISL_1465873, Erasmus Schneider, Erica Lasek-Nesselquist EPI_ISL_1465878 EPI ISL 1470560, EPI ISL 1470561, EPI ISL 1470563, EPI ISL 1470563, EPI ISL 1470563, EPI ISL 1470564, EPI ISL 1470569, EPI ISL 1470569, EPI ISL 1470569, EPI ISL 1470597, EPI ISL 1470597, EPI ISL 1470583, EPI ISL 1470587, EPI ISL 1470587, EPI ISL 1470597, EPI IS EPI ISL 1470607, EPI ISL 1470612, EPI ISL 1470614, EPI ISL 1470618, EPI ISL 1470618, EPI ISL 1470619, EPI IS EPI ISL 1470672, EPI ISL 1470674, EPI ISL 1470674, EPI ISL 1470676, EPI ISL 1470676, EPI ISL 1470677, EPI ISL 1470698, EPI ISL 1470699, EPI IS EPI ISL 1470706, EPI ISL 1470707, EPI ISL 1470707, EPI ISL 1470714, EPI ISL 1470715, EPI ISL 1470715, EPI ISL 1470726, EPI ISL 1470726, EPI ISL 1470728, EPI ISL 1470730, EPI ISL 1470730, EPI ISL 1470738, EPI ISL 1470738, EPI ISL 1470739, EPI ISL 1470739, EPI ISL 147074, see above The Jackson Laboratory The Jackson Laboratory Bergeron D, Renzette N, Adams M, Omerza G, Kelly K, Li L EPI_ISL_1470744, EPI_ISL_1470754, EPI_ISL_1470754, EPI_ISL_1470754, EPI_ISL_1470754, EPI_ISL_1470765, EPI_ISL_1470813, EPI_IS EPI_SL_1470830, EPI_SL_1470830, EPI_SL_1470843, EPI_SL_1470843, EPI_SL_1470843, EPI_SL_1470843, EPI_SL_1470884, EPI_SL_1470886, EPI_SL_1470886, EPI_SL_1470886, EPI_SL_1470874, EPI_SL_1470874 EPI ISL 1470902, EPI ISL 1470903, EPI ISL 1470903, EPI ISL 1470903, EPI ISL 1470905, EPI IS EPI ISL 1470986, EPI ISL 1470989, EPI ISL 1471000, EPI ISL 1471000, EPI ISL 1471000, EPI ISL 1471021, EPI ISL 1471026, EPI ISL 1471030, EPI ISL 1471030, EPI ISL 1471051, EPI ISL 1471053, EPI ISL 1471053, EPI ISL 1471057, EPI ISL 1471068, EPI ISL 1471068, EPI ISL 1471051, EPI IS EPI ISL 1471072, EPI ISL 1471076, EPI ISL 1471076, EPI ISL 1471080, EPI ISL 1471080, EPI ISL 1471080, EPI ISL 1471092, EPI ISL 1471109, EPI ISL 1471080, EPI ISL 1471080, EPI ISL 1471109, EPI ISL 1471109, EPI ISL 1471109, EPI ISL 1471109, EPI ISL 1471080, EPI IS EPI ISL 1471173, EPI ISL 1471176, EPI ISL 1471176, EPI ISL 1471179, EPI ISL 1471179, EPI ISL 1471190, EPI ISL 1471190, EPI ISL 1471208, EPI ISL 1471213, EPI ISL 1471213, EPI ISL 1471220, EPI ISL 1471222, EPI ISL 1471224, EPI ISL 1471238, EPI ISL 1471240, EPI ISL 1471240, EPI ISL 1471270, EPI IS EPI_ISL_1471242, EPI_ISL_1471243, EPI_ISL_1471243, EPI_ISL_1471253, EPI_IS EPI_ISL_1471245, EPI_ISL_1471249, EPI_ISL_1471249, EPI_ISL_1471250, EPI_ISL_1471250, EPI_ISL_1471250, EPI_ISL_1471250, EPI_ISL_1471260, EPI_IS EPI_SL_1471644, EPI_SL_1471646, EPI_SL_1471656, EPI_SL_1471658, EPI_SL_1471658, EPI_SL_1471659, EPI_SL_1471679, EPI_SL_1471670, EPI_SL_1471679, EPI_SL_1471680, EPI_SL_1471689, EPI_SL_1471690, EPI_SL_1471698, EPI_SL_1471698 EPI ISL 1471710, EPI ISL 1471710, EPI ISL 1471716, EPI ISL 1471716, EPI ISL 1471716, EPI ISL 14717178, EPI ISL 1471718, EPI ISL 1471779, EPI I EPI_ISL_1471804, EPI_IS EPI_ISL_1471879, EPI_ISL_1471879, EPI_ISL_1471926, EPI_ISL_1471998, EPI_ISL_1471908, EPI_ISL_1471908, EPI_ISL_1471908, EPI_ISL_1471911, EPI_ISL_1471911, EPI_ISL_1471927, EPI_IS EPI_ISL_1471957, EPI_ISL_1471957, EPI_ISL_1471980, EPI_ISL_1471980, EPI_ISL_1472024, EPI_ISL_1472026, EPI_ISL_1472033, EPI_ISL_1472033, EPI_ISL_1472053, EPI_ISL_1472014, EPI_ISL_1472014, EPI_ISL_1472014, EPI_ISL_1472014, EPI_ISL_1472026, EPI_ISL_1472014, EPI_IS EPI ISL 1472057, EPI ISL 1472064, EPI ISL 1472066, EPI ISL 1472068, EPI ISL 1472074 see above Pandemic Response Lab - NYC Pandemic Response Lab, R&D Henry Lee, Michael Hammerling, Melissa Hopkins, Cybill del Castillo, Shinyoung Clair Kang, William Ward, Pradeep Bugga, Sol Rey, Dylan Law, Haiping Hao. Jon Laurent

Erasmus Schneider, Erica Lasek-Nesselquist

Joseph Fauver, Mallery Breban, Isabel Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman,

			Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482303, EPI_ISL_1482307, EPI_ISL_1482309	URMC LABS	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482343	MONTEFIORE NEW ROCHELLE HOSPITAL LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482394, EPI_ISL_1482396, EPI_ISL_1482398, EPI_ISL_1482400, EPI_ISL_1482401	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482408	BOSTON HEART DIAGNOSTICS CORP	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482414, EPI_ISL_1482418, EPI_ISL_1482427, EPI_ISL_1482428	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482456, EPI_ISL_1482462, EPI_ISL_1482463	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482545, EPI_ISL_1482546, EPI_ISL_1482547, EPI_ISL_1482550, EPI_ISL_1482553	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482557, EPI_ISL_1482565, EPI_ISL_1482566, EPI_ISL_1482567	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482576	WHITE PLAINS HOSPITAL CENTER LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482583, EPI_ISL_1482603, EPI_ISL_1482608, EPI_ISL_1482609	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1482617, EPI_ISL_1482619, EPI_ISL_1482620, EPI_ISL_1482621, EPI_ISL_1482622, EPI_ISL_1482623	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1483256	Nevada State Public Health Laboratory	Nevada State Public Health Laboratory	Andrew Gorzalski, Mark Pandori
EPI_ISL_1483590	Alaska State Virology Laboratory	Alaska State Virology Laboratory	Stephanie DeRonde, Elva House, Lisa Smith, Ph.D., Jack Chen, Ph.D.
EPI ISL 1489661, EPI ISL 1489662, EPI ISL 14		88, EPI_ISL_1489691, EPI_ISL_1489700, EPI_ISL_1489707, EF	PI ISL 1489709, EPI ISL 1489712, EPI ISL 1489714
see above	NJDOH, Public Health and Environmental Laboratories	New Jersey Public Health and Environmental Laboratories (NJ PHEL)	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EPI_ISL_1489728	National Public Health Laboratory, National Centre for Infectious Diseases	National Public Health Laboratory, National Centre for Infectious Diseases	Tze Minn Mak, Zhenyang Zhou, Grace Jie Yin Ngan, Royce Ang, Lin Cui, Raymond Tzer Pin Lin
EPI_ISL_1489870	Missouri State Public Health Laboratory	Missouri State Public Health Laboratory	Matthew Sinn, Joshua Barry, Ashley New
EPI_ISL_1491424	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of	Valesano
		Microbiology and Immunology	
EPI_ISL_1491770, EPI_ISL_1491776, EPI_ISL_14 EPI_ISL_1491904, EPI_ISL_1491945, EPI_ISL_14		46, EPI_ISL_1491849, EPI_ISL_1491853, EPI_ISL_1491862, EF	PI_ISL_1491865, EPI_ISL_1491867, EPI_ISL_1491868, EPI_ISL_1491880, EPI_ISL_1491890, EPI_ISL_1491894, EPI_ISL_1491896, EPI_ISL_1491901,
see above	Aegis Sciences Corporation	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly Houdeshell, Ola Kvalvaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1491953, EPI_ISL_1491954, EPI_ISL_14	191959, EPI_ISL_1491963, EPI_ISL_1491975, EPI_ISL_14919	94, EPI_ISL_1492005, EPI_ISL_1492006, EPI_ISL_1492007, EF	PLISL_1492013, EPI_ISL_1492018, EPI_ISL_1492026, EPI_ISL_1492118, EPI_ISL_1492131
see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1492456	LESP Jalisco	Instituto de diagnóstico y Referencia Epidemiologicos (INDRE)	Claudia Wong-Arambula, Abril Rodriguez-Maldonado, Vanessa Rivero-Arredondo, Ariadna Medina-Benitez, Joaquin Quiroz-Mercado, Sergio Rangel-Guerrero, Natividad Cruz-Ortiz, Tatiana Nunez-Garcia, Gisela Barrera-Badillo, Lucia Hernandez-Rivas, Irma Lopez-Martinez, Ernesto Ramirez-Gonzalez.
EPI_ISL_1492629	Idaho Bureau of Laboratories	Idaho Bureau of Laboratories	"R. Beukelman, Matthew Charles Burns, Aimee Ceniseros, Robert L. Voermans, Christopher Ball"
EPI_ISL_1493364	Oregon State Public Health Laboratory	Oregon State Public Health Laboratory	Rafia Razzaque, Eugene Yeboah, Vanda Makris, Laura Tsaknaridis, John Fontana and Shane Sevey
EPI_ISL_1493450, EPI_ISL_1493458, EPI_ISL_1493460, EPI_ISL_1493471, EPI_ISL_1493476, EPI_ISL_1493483, EPI_ISL_1493484, EPI_ISL_1493489, EPI_ISL_1493492	NJDOH, Public Health and Environmental Laboratories	NJ_PHEL	Lindsey Bodnar, Shiv K. Verma, Dana Woell, Byeong Jeong
EPI_ISL_1500241, EPI_ISL_1500242	Illinois Department of Public Health - Springfield Lab	Illinois Department of Public Health - Springfield Lab	Bryan Sim, Gordon McCall
EPI_ISL_1500596	Clinical Microbiology Laboratory, NewYork Presbyterian Hospital/Columbia University Irving Medical Center	Uhlemann Laboratory, Columbia University Irving Medical Center	Medini K. Annavajhala, Anne-Catrin Uhlemann, Hiroshi Mohri, David Ho
EPI_ISL_1500650, EPI_ISL_1500768	Sonora Quest Laboratories	TGen North	"Jolene Bowers, Heather Centner, Chris French, Hayley Yaglom, Ashlyn Pfeiffer, Darrin Lemmer, Dave Engelthaler, The Arizona COVID Genomics Union (ACGU)"
EPI_ISL_1501687	Northwestern Memorial Hospital	Northwestern University - Ozer Lab	Ramon Lorenzo-Redondo, Lacy M. Simons, Taylor J. Dean, Chad J. Achenbach, Lawrence J. Jennings, Chao Qi, Michael G. Ison, Judd F. Hultquist, Egon A. Ozer
EPI_ISL_1503483, EPI_ISL_1503791	Massachusetts State Public Health Laboratory	Massachusetts State Public Health Laboratory	Andrew Lang, Timelia Fink, Glen Gallagher, Sandra Smole
EPI_ISL_1509147, EPI_ISL_1509148, EPI_ISL_15 EPI_ISL_1509176, EPI_ISL_1509179, EPI_ISL_15	509149, EPI_ISL_1509150, EPI_ISL_1509151, EPI_ISL_150915	52, EPI_ISL_1509154, EPI_ISL_1509155, EPI_ISL_1509159, EF 97, EPI_ISL_1509198, EPI_ISL_1509199, EPI_ISL_1509200, EF	PLISL_1509127, EPLISL_1509132, EPLISL_1509134, EPLISL_1509135, EPLISL_1509139, EPLISL_1509140, EPLISL_1509143, EPLISL_1509146, PLISL_1509160, EPLISL_1509162, EPLISL_1509163, EPLISL_1509166, EPLISL_1509167, EPLISL_1509168, EPLISL_1509172, EPLISL_1509175, PLISL_1509202, EPLISL_1509203, EPLISL_1509204, EPLISL_1509205, E
see above	,,,	56, 21 1216221006211, 21 1216221006210, 21 1216221006200, 21	
See above	Yale Clinical Virology Lab		Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Marie L. Landry, Nathan Grubaugh

Grubaugh Lab - Yale School of Public Health

EPI_ISL_1509266, EPI_ISL_1509267

Murphy Medical Association

Caleb Neal, Eva Laszlo, Steven Murphy, Nathan Grubaugh FPI ISI 1509271 Grubaugh Lab - Vale School of Public Health Grubaugh Lab - Vale School of Public Health Joseph Fauver, Mallery Breban, Isabell Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Nathan Gruhaugh EPI ISL 1509275, EPI ISL 1509276 USC Clinical Lab Los Angeles County PHL P. Hemarajata et al EPI_ISL_1511688, EPI_ISL_1511694, EPI_ISL_1511694, EPI_ISL_1511770, EPI_ISL_1511770, EPI_ISL_1511770, EPI_ISL_1511824, EPI_ISL_1511826, EPI_ISL_1511820, EPI_IS EPI ISL 1511834, EPI ISL 1511836, EPI ISL 1511847, EPI ISL 1511850, EPI ISL 1511852, EPI ISL 1511856, EPI ISL 1511858 Centers for Disease Control and Prevention Division of Viral see above Quest Diagnostics Incorporated Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Diseases Pathogen Discovery Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell EPI ISL 1511882, EPI ISL 1511904, EPI ISL 1511904, EPI ISL 1511904, EPI ISL 1511977, EPI ISL 1511977, EPI ISL 1511978, EPI ISL 1512459, EPI ISL 1512459, EPI ISL 1512460, EPI ISL 1512459, EPI ISL 1512460, EPI ISL 151246, EP EPI ISL 1512527, EPI ISL 1512646, EPI ISL 1512719, EPI ISL 1512736 Helix/Illumina Centers for Disease Control and Prevention Division of Viral Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Diseases, Pathogen Discovery Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L, Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R, Paden, Duncan MacCannell EPI_ISL_1512822, EPI_ISL_1512840, EPI_ISL_1512841, EPI_ISL_1512841, EPI_ISL_1512844, EPI_ISL_1512854, EPI_ISL_1512866, EPI_ISL_1512866, EPI_ISL_1512889, EPI_ISL_1512889, EPI_ISL_1512904, EPI_ISL_1512904, EPI_ISL_1512911, EPI_ISL_1512911, EPI_ISL_1512914, EPI_ISL_1512914, EPI_ISL_1512914, EPI_ISL_1512914, EPI_ISL_1512914, EPI_ISL_1512914, EPI_ISL_1512841, EPI_IS EPI ISL 1513037, EPI ISL 1513050, EPI ISL 1513050, EPI ISL 1513060, EPI ISL 1513060, EPI ISL 1513060, EPI ISL 1513129, EPI ISL 1513129, EPI ISL 1513071, EPI ISL 1513086, EPI ISL 1513111, EPI ISL 1513111, EPI ISL 1513118, EPI ISL 1513129, EPI ISL 1513129, EPI ISL 1513060, EPI ISL 1513118, EPI IS see above Infinity Biologix Centers for Disease Control and Prevention Division of Viral Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Diseases, Pathogen Discovery Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Christian Bixby, Yihe Wang, Jonathan Schultz, Chirayu Goswami, Russ Hager, Robin Grimwood, Clinton R. Paden, Duncan MacCannell EPI ISL 1513141, EPI ISL 1513151, EPI ISL 1513151, EPI ISL 1513156, EPI ISL 1513156, EPI ISL 1513166, EPI ISL 1513212, EPI ISL 1513223, EPI ISL 1513235, EPI ISL 1513339, EPI ISL 1513339, EPI ISL 1513339, EPI ISL 1513486, EPI ISL 1513486, EPI ISL 1513564, EPI IS EPI_ISL_1513567, EPI_ISL_1513568, EPI_ISL_1513575, EPI_ISL_1513577, EPI_ISL_1513581, EPI_ISL_1513602, EPI_ISL_1513605, EPI_ISL_1513616, EPI_ISL_1513620 see above Aegis Sciences Corporation Centers for Disease Control and Prevention Division of Viral Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Ungarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly Diseases Pathogen Discovery Houdeshell, Ola Kyalyaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R, Paden, Duncan MacCannell EPI_ISL_1513637, EPI_ISL_1513638, EPI_ISL_1513638, EPI_ISL_1513638, EPI_ISL_1513639, EPI_ISL_1513647, EPI_IS EPI ISL 1514213, EPI ISL 1514219, EPI ISL 1514219, EPI ISL 1514220, EPI ISL 1514220, EPI ISL 1514355, EPI ISL 1514356, EPI IS EPI ISL 1514532 EPI ISL 1514544 EPI ISL 1514544 EPI ISL 1514652 EPI ISL 1514664 EPI ISL 1514666 EPI ISL 1514669 EPI ISL 1514669 EPI ISL 1514668 EPI ISL 1514669 EPI ISL 151469 EPI ISL 151469 EPI ISL 151469 EPI ISL 151469 EP EPI ISL 1514692 EPI ISL 1514692 EPI ISL 1514692 EPI ISL 1514696 EPI ISL 1514696 EPI ISL 1514703 EPI ISL 1514703 EPI ISL 1515075 EPI ISL 1515075 EPI ISL 1514896 EPI ISL 1514896 EPI ISL 1514981 EPI ISL 1514980 EPI ISL 1514980 EPI ISL 1515078 EPI ISL 1515075 EPI ISL 1515075 EPI ISL 1515083, EPI ISL 1515089, EPI ISL 1515099, EPI ISL 1515099, EPI ISL 1515099, EPI ISL 1515329, EPI IS EPI_ISL_1515411, EPI_ISL_1515431, EPI_ISL_1515467, EPI_ISL_1515493, EPI_ISL_1515518, EPI_ISL_1515519, EPI_ISL_1515590, EPI_ISL_1515703 see above Laboratory Corporation of America Centers for Disease Control and Prevention Division of Viral Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Diseases, Pathogen Discovery Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Minoo Agarwal, Evad Almasri, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iver, Manoi Jain, Mohan Kolli, Brian Krueger, Tim Kubhal, Stanlev Letovsky, Michael Levandoski, Craiq Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. 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Paden, Dhwani Batra, Krista Queen, Kristen NYC Department of Health and Mental Hygiene EPI_ISL_1516212 Diseases, Pathogen Discovery Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen EPI ISL 1516269 SC Dept of Health and Env. Control-Bureau of Laboratories Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee EPI ISL 1516300 OK Public Health Laboratory, Oklahoma State DOH Centers for Disease Control and Prevention Division of Viral Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R, Paden, Dhwani Batra, Krista Queen, Kristen Diseases Pathogen Discovery Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee EPI ISL 1516473, EPI ISL 1516484. Siddle, K.J., Adams, G., Pearlman, L., Gladden-Young, A., Vicente, G., Blumenstiel, B., DeFelice, M., Lee, M., McGovern, S., Lagerborg, K., Rudy, M., DeRuff, K., Broad Institute Clinical Research Sequencing Platform Infectious Disease Program, Broad Institute of Harvard and EPI ISL 1516532, EPI ISL 1516540. Carter, A., Normandin, E., Bauer, M., Reilly, S., Tomkins-Tinch, C., Loreth, C., Chaluyadi, S., Meldrim, J., Granger, B., Lemieux, J.E., Birren, B.W., Sabeti, P.C., EPI ISL 1516574, EPI ISL 1516584. Larkin, K., Dodge, S., Lennon, N., Madoff, L., Brown, C., Gallagher, G., Smole, S., Park, D.J., Gabriel, S., and MacInnis, B.L. EPI_ISL_1516717 EPI ISL 1519356 National Public Health Laboratory, National Centre for National Public Health Laboratory, National Centre for Tze Minn Mak, Zhenyang Zhou, Grace Jie Yin Ngan, Royce Ang, Lin Cui, Raymond Tzer Pin Lin Infectious Diseases Infectious Diseases EPI ISL 1522072, EPI ISL 1522073, Dutch COVID-19 response team National Institute for Public Health and the Environment Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Lisa Wijsman, Kim EPI ISL 1522122, EPI ISL 1522131 (RIVM) Freriks, Ryanne Jaarsma, Eunice Then, Jolienke Hardeman, Lynn Aarts, Sanne Bos, Melissa van Tuil, Robert Kohl, Linda van de Nes, Sjoerd Kuiling, James Groot, Florian Zwagemaker, Dennis Schmitz, Annelies Kroneman, Karim Hajji, Chantal Reusken, on behalf of the national COVID-19 response EPI ISL 1524801 National Public Health Laboratory, National Centre for National Public Health Laboratory, National Centre for Tze Minn Mak, Zhenyang Zhou, Grace Jie Yin Ngan, Royce Ang, Lin Cui, Raymond Tzer Pin Lin Infectious Diseases Infectious Diseases EPI ISL 1524850 Hospital General Universitario Gregorio Marañón Hospital General Universitario Gregorio Marañón Sergio Buenestado Serrano, Pedro Sola Campoy, Laura Pérez-Lago, Cristina Rodriguez-Grande, Pilar Catalán, Patricia Muñoz, Darío García de Viedma EPI ISL 1525019, EPI ISL 1525020, EPI ISL 1525018, EPI ISL 1525020, EPI ISL 1525018, EPI ISL 1525020, EPI IS EPI ISL 1525219, EPI ISL 1525236 see above Aegis Sciences Corporation Centers for Disease Control and Prevention Division of Viral Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher

Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly Houdeshell, Ola Kyalvaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R. Paden, Duncan MacCannell

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher

Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky

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Diseases, Pathogen Discovery

Centers for Disease Control and Prevention Division of Viral

Diseases, Pathogen Discovery

FPI ISI 1525267 FPI ISI 1525283

EPI_ISL_1525557, EPI_ISL_1525591,

EPI_ISL_1525602, EPI_ISL_1525746,

Fulgent Genetics

EPI_ISL_1525773, EPI_ISL_1525785, EPI_ISL_1525884			
EPLISL_1525934, EPLISL_1526035, EPLISL_1526046, EPLISL_1526056	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1527031, EPI_ISL_1527058	University of Mississippi Medical Center, Department of Pathology	University of Mississippi Medical Center, Molecular and Genomics Core Facility	Ashley C. Johnson, Ithiel J. Frame, Krishna K. Ayyalasomayajula, Michael R. Garrett, D. Ashley Robinson
EPI_ISL_1527121	Massachusetts State Public Health Laboratory	Massachusetts State Public Health Laboratory	Andrew Lang, Timelia Fink, Glen Gallagher, Sandra Smole
EPI_ISL_1527908	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlen MK
EPI_ISL_1528247	IN State Department of Health Laboratory Services	IN State Department of Health Laboratory Services	Cassandra Campion, Jamie Yeadon, Brian Pope, Lixia Liu, Kyle Brownlee, Melissa Hindenlang, Ankita Kashikar, Mark Glazier
EPI_ISL_1528275	VA-Division of Consolidated Laboratory Services	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1528326, EPI_ISL_1528330, EPI_ISL_1528332, EPI_ISL_1528338	NJ Public Health and Environmental Laboratories	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1528413	MS Public Health Laboratory	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1528427	IN State Department of Health Laboratory Services	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1530665	Sonora Quest Laboratories	TGen North	Jolene Bowers, Heather Centner, Chris French, Hayley Yaglom, Ashlyn Pfeiffer, Darrin Lemmer, Dave Engelthaler, The Arizona COVID Genomics Union (ACGU)
EPI_ISL_1530879, EPI_ISL_1530892, EPI_ISL_1530920, EPI_ISL_1530925, EPI_ISL_1530929, EPI_ISL_1530930, EPI_ISL_1530936	NJDOH, Public Health and Environmental Laboratories	New Jersey Public Health and Environmental Laboratories (NJPHEL)	Lindsey Bodnar, Shiv K. Verma, Jacquelyn Deverell, Matthew Scarnati, Mohammad M Ali, Dana Woell, Byeong Jeong
EPI_ISL_1531089, EPI_ISL_1531110	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_1531645	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
EPI_ISL_1531746, EPI_ISL_1531763	University of Oregon COVID-19 MAP Laboratory	University of Oregon Genomics and Cell Characterization Core Facility (GC3F)	Douglas Turnbull, Ariana White, Jeff Bishop, Jason Carriere
EPI_ISL_1532128	Santa Clara Valley Medical Center	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Department
EPI_ISL_1532732, EPI_ISL_1532737, EPI_ISL_1532739, EPI_ISL_1532740, EPI_ISL_1532754, EPI_ISL_1532761, EPI_ISL_1532770, EPI_ISL_1532776, EPI_ISL_1532778, EPI_ISL_1532781	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo Cotzia, Guiqing Wang
EFI_IOL_1002110, EFI_IOL_1002101			
EPI_ISL_1532776, EFI_ISL_1532761 EPI_ISL_1534526	Ministry of Health Turkey	Ministry of Health Turkey	Fatma Bayrakdar, Yasemin Cosgun, Suleyman Yalcin, Gulay Korukluoglu
EPI_ISL_1534526 EPI_ISL_1540721, EPI_ISL_1540722, EPI_ISL_	1540723, EPI_ISL_1540733, EPI_ISL_1540734, EPI_ISL_15407	36, EPI_ISL_1540747, EPI_ISL_1540750, EPI_ISL_1540757, E	Fatma Bayrakdar, Yasemin Cosgun, Suleyman Yalcin, Gulay Korukluoglu PI_ISL_1540759, EPI_ISL_1540761, EPI_ISL_1540768, EPI_ISL_1540771, EPI_ISL_1540774, EPI_ISL_1540775, EPI_ISL_1540777, EPI_ISL_1540782, PI_ISL_1540827, EPI_ISL_1540828, EPI_ISL_1540829, EPI_ISL_1540847, EPI_ISL_1540848, EPI_ISL_1540849, EPI_ISL_1540852
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Institute, Cleveland Clinic, Ohio, USA 1542085, EPI_ISL_1542088, EPI_ISL_1542090, EPI_ISL_154201 1542174, EPI_ISL_1542183, EPI_ISL_1542199, EPI_ISL_154211 1542275, EPI_ISL_1542276, EPI_ISL_1542277, EPI_ISL_1542275 1542332, EPI_ISL_1542276, EPI_ISL_1542274, EPI_ISL_154231 1542232, EPI_ISL_1542276, EPI_ISL_1542274, EPI_ISL_1542341 1542332, EPI_ISL_1542266, EPI_ISL_1542346, EPI_ISL_15424341 1542498, EPI_ISL_1542601, EPI_ISL_1542502, EPI_ISL_154251 1542261, EPI_ISL_1542603, EPI_ISL_1542503, EPI_ISL_154261 1542261, EPI_ISL_1542603, EPI_ISL_1542603, EPI_ISL_154261 154273, EPI_ISL_1542611, EPI_ISL_1542622, EPI_ISL_154261 1542901, EPI_ISL_1542814, EPI_ISL_1542821, EPI_ISL_154261 1543001, EPI_ISL_1542934, EPI_ISL_1543014, EPI_ISL_154261 1543001, EPI_ISL_1543014, EPI_ISL_1543014, EPI_ISL_154261 1543001, EPI_ISL_1543014, EPI_ISL_1543014, EPI_ISL_154301 1543300, EPI_ISL_1543034, EPI_ISL_1543044, EPI_ISL_154314347, EPI_ISL_1543334, EPI_ISL_1543265, EPI_ISL_1543343, EPI_ISL_1543343, EPI_ISL_1543343, 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Farkas, David Bosler PLISL_1542111, EPLISL_15422113, EPLISL_1542123, EPLISL_1542125, EPLISL_1542129, EPLISL_1542132, EPLISL_1542132, EPLISL_1542132, EPLISL_1542218, EPLISL_1542219, EPLISL_1542219, EPLISL_1542229, EPLISL_1542227, EPLISL_1542240, EPLISL_1542253, EPLISL_1542255, EPLISL_1542256, EPLISL_15422317, EPLISL_1542288, EPLISL_1542298, EPLISL_1542299, EPLISL_1542303, EPLISL_1542308, EPLISL_1542317, EPLISL_1542317, EPLISL_1542369, EPLISL_1542369, EPLISL_1542371, EPLISL_1542369, EPLISL_1542369, EPLISL_1542369, EPLISL_1542369, EPLISL_1542369, EPLISL_1542468, EPLISL_1542567, EPLISL_1542567, EPLISL_1542567, EPLISL_1542567, EPLISL_1542567, EPLISL_1542567, EPLISL_1542567, EPLISL_1542567, EPLISL_1542569, EPLISL_1542
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EPI_ISL_1563646	IN State Department of Health Laboratory Services	IN State Department of Health Laboratory Services	Cassandra Campion, Jamie Yeadon, Brian Pope, Lixia Liu, Kyle Brownlee, Melissa Hindenlang, Ankita Kashikar, Mark Glazier
EPI_ISL_1574987	Edward Hines Jr VA Hospital	Illinois Department of Public Health - Chicago Lab	Vineet K. Dhiman, Ira Heimler
EPI_ISL_1575445	SUNY UPSTATE MEDICAL UNIVERSITY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1575470	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1575501, EPI_ISL_1575538, EPI_ISL_1575573, EPI_ISL_1575742, EPI_ISL_1575818, EPI_ISL_1575826, EPI_ISL_1575998, EPI_ISL_1576164, EPI_ISL_1576277	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Carcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1576301	Montana Public Health Laboratory	Montana Public Health Laboratory	Joy Ritter, Michelle Mozer, Carrie Biskupiak, Deborah Gibson
EPI_ISL_1576347, EPI_ISL_1576348, EPI_ISL_1576456, EPI_ISL_1576519, EPI_ISL_1576680, EPI_ISL_1576726, EPI_ISL_1576736	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Carcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Duncan MacCannell
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EPI_ISL_1576863, EPI_ISL_1576894, EPI_ISL_157	76899, EPI_ISL_1576900, EPI_ISL_1576903, EPI_ISL_15769	906, EPI_ISL_1576908, EPI_ISL_1576911, EPI_ISL_1576919, E	:PI_ISL_1576921, EPI_ISL_1576922, EPI_ISL_1576931, EPI_ISL_1576939, EPI_ISL_1576941, EPI_ISL_1576942
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EPI_ISL_1578053, EPI_ISL_1578081	South Dakota Public Health Laboratory	South Dakota Public Health Laboratory	Jacob Garfin and Chris Carlson
EPI_ISL_1578180	Flow Health	Infectious Disease Program, Broad Institute of Harvard and MIT	Lemieux, J.E., Siddle, K.J., Adams, G., Gladden-Young, A., Lagerborg, K., Rudy, M., DeRuff, K., Carter, A., Normandin, E., Bauer, M., Reilly, S., Tomkins-Tinch, C., Loreth, C., Chaluvadi, S., Birren, B.W., Gallagher, G., Smole, S., Park, D.J., MacInnis, B.L., and Sabeti, P.C.
EPI_ISL_1578211, EPI_ISL_1578358, EPI_ISL_157	78359, EPI_ISL_1578360, EPI_ISL_1578367, EPI_ISL_15783	873, EPI_ISL_1578374, EPI_ISL_1578376, EPI_ISL_1578388, E	:PI_ISL_1578396, EPI_ISL_1578401, EPI_ISL_1578403, EPI_ISL_1578404, EPI_ISL_1578405, EPI_ISL_1578406
see above	Broad Institute Clinical Research Sequencing Platform	Infectious Disease Program, Broad Institute of Harvard and MIT	Siddle, K.J., Adams, G., Pearlman, L., Gladden-Young, A., Vicente, G., Blumenstiel, B., DeFelice, M., Lee, M., McGovern, S., Lagerborg, K., Rudy, M., DeRuff, K., Carter, A., Normandin, E., Bauer, M., Reilly, S., Tomkins-Tinch, C., Loreth, C., Chaltuvadi, S., Meldrim, J., Granger, B., Lemieux, J.E., Birren, B.W., Sabeti, P.C., Larkin, K., Dodge, S., Lennon, N., Madoff, L., Brown, C., Gallagher, G., Smole, S., Park, D.J., Gabriel, S., and MacInnis, B.L.
EPI_ISL_1580670	BOSTON HEART DIAGNOSTICS CORP	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1580689, EPI_ISL_1580690, EPI_ISL_1580693, EPI_ISL_1580696	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1580717	URMC LABS	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1580731, EPI_ISL_1580733, EPI_ISL_1580735	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1581078, EPI_ISL_1581086, EPI_ISL_1581107, EPI_ISL_1581143, EPI_ISL_1581711, EPI_ISL_1581775	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryaor Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Duncan MacCannell
EPLISL_1581958, EPLISL_1582049, EPLISL_1582072, EPLISL_1582074, EPLISL_1582085, EPLISL_1582099, EPLISL_1582103, EPLISL_1582116, EPLISL_1582120, EPLISL_1582126	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1582154	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582159	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582169	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1582174, EPI_ISL_1582175, EPI_ISL_1582176	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPLISL_1582181, EPLISL_1582183, EPLISL_1582184, EPLISL_1582188, EPLISL_1582200, EPLISL_1582204, EPLISL_1582207, EPLISL_1582208, EPLISL_1582210, EPLISL_1582213	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582215	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,

Erasmus S	Schneider.	Erica	Lasek-l	Nesselauist

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EPI_ISL_1582229	SARATOGA HOSPITAL LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582231	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582233, EPI_ISL_1582239, EPI_ISL_1582242, EPI_ISL_1582244	TEMPUS LABS INC	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582248	STONY BROOK UNIVERSITY HOSPITAL	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider. Erica Lasek-Nesselguist
EPI_ISL_1582255	GOOD SAMARITAN HOSPITAL LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582257	NORTH SHORE UNIVERSITY HOSPITAL	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582260	ALBANY MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582263, EPI_ISL_1582268	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582278, EPI_ISL_1582280	WHITE PLAINS HOSPITAL CENTER LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582288	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582309, EPI_ISL_1582310, EPI_ISL_1582313, EPI_ISL_1582315	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582319, EPI_ISL_1582320	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582328, EPI_ISL_1582329, EPI_ISL_1582335, EPI_ISL_1582336	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582362	SUNY UPSTATE MEDICAL UNIVERSITY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582369, EPI_ISL_1582370, EPI_ISL_1582374, EPI_ISL_1582376, EPI_ISL_1582385	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1582403	TEMPUS LABS INC	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1585481, EPI_ISL_1585563	Centro de Investigación Biomédica de Occidente (CIBO)	Instituto Nacional de Enfermedades Respiratorias (INER): Centro de Investigación en Enfermedades Infecciosas (CIENI)	Consorcio Mexicano de Vigilancia Genómica (CoViGen-Mex). Authors (in alphabetical order): Julio Elias Alvarado-Yaah, Carlos F. Arias, Santiago Ávila-Rios, Victor Hugo Borja-Aburto, Celia Boukadida, Juan Bautista Chale-Dzu, Célida Duque Molina, José Antonio Enciso-Moreno, Gloria Elena Espinosa-Ayala, Fernando Fontove-Herrera, Victor Eduardo Garcia-Arias, Concepción Grajales-Muñiz, Ricardo Grande, Alfredo Herrera-Estrella, Carla Ivón Herrera-Najera, Pavel Isa, Brenda Irasema Maldonado-Meza, Bernardo Martínez-Higuel, Margarita Matías-Florentino, María Guadalupe de Jesús Mireles-Rivera, Gloria María Molina-Salinas, Hector Montoya-Fuentes, José Esteban Muñoz-Medina, José de Jesús Nuñez-Contreras, Alicia Ocaña-Mondragón, Luis Alberto Ochoa-Carrera, Hector Esteban Paz-Juárez, Francisco Pulido, Helen Haydee Fernanda Ramírez-Plascencia, Angel Gustavo Salas-Lais, Alejandro Sanchez-Flores, Clara Esperanza Santacruz-Tinoco, María Guadalupe Santiago-Mauricio, Nelly Sélem-Mojica, Blanca Taboada, Gloria Vazquez
EPI_ISL_1587317, EPI_ISL_1587320, EPI_ISL_15 EPI_ISL_1587358, EPI_ISL_1587361, EPI_ISL_15	87321, EPI_ISL_1587328, EPI_ISL_1587329, EPI_ISL_1587330	0, EPI_ISL_1587334, EPI_ISL_1587339, EPI_ISL_1587341, EF 8, EPI_ISL_1587381, EPI_ISL_1587382, EPI_ISL_1587383, EF	PLISL_1587285, EPI_ISL_1587291, EPI_ISL_1587292, EPI_ISL_1587297, EPI_ISL_1587298, EPI_ISL_1587309, EPI_ISL_1587311, EPI_ISL_1587312, PI_ISL_1587342, EPI_ISL_1587343, EPI_ISL_1587344, EPI_ISL_1587347, EPI_ISL_1587348, EPI_ISL_1587350, EPI_ISL_1587354, EPI_ISL_1587357, PI_ISL_1587385, EPI_ISL_1587385, EPI_ISL_1587385, EPI_ISL_1587385, EPI_ISL_1587385, EPI_ISL_1587395, EPI_ISL_1587395, EPI_ISL_1587403, EPI_ISL_1587403, EPI_ISL_1587404, PI_ISL_1587427
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			PLISL_1587750, EPI_ISL_1587898, EPI_ISL_1587917, EPI_ISL_1587919, EPI_ISL_1587952, EPI_ISL_1587956, EPI_ISL_1587976, EPI_ISL_1587987, PLISL_1588371, EPI_ISL_1588405, EPI_ISL_1588412, EPI_ISL_1588415, EPI_ISL_1588418, EPI_ISL_1588435
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EPI_ISL_1592148	TGen North	TGen North	Jolene Bowers, Heather Centner, Chris French, Hayley Yaglom, Ashlyn Pfeiffer, Darrin Lemmer, Dave Engelthaler, The Arizona COVID Genomics Union (ACGU)
EPI_ISL_1592597, EPI_ISL_1592661, EPI_ISL_1592963, EPI_ISL_1593139, EPI_ISL_1593182	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1593720	DOHMH Central Harlem	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1593741	DOHMH Crown Heights	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1593748	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1593750	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1593757	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1593770	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_1593811	Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Jim Mildenberger, Wanda Manley, Noah Hull, Taylor Fearing, Lynette Gumbleton, Channing Weber, Ashley Norberg, Chayse Rowley, Marley Goetz, Brian Dominguez, Elliot Thomasson, Sam Britz, Cari Sloma, and Rob Christensen
EPI_ISL_1593865	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1593868	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,

MONTEFIORE MEDICAL CENTER LABORATORIES Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Pitnick, Catharine Prussing, Navjot Singh, John Kelly,

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Laboratories Laboratories

EPI ISL 1597697, EPI ISL 1597705, EPI ISL 1597705, EPI ISL 1597705, EPI ISL 1597715, EPI ISL 1597715, EPI ISL 1597715, EPI ISL 1597755, EPI ISL 1597755, EPI ISL 1597757, EPI IS

EPI_ISL_1597765, EPI_ISL_1597770, EPI_ISL_1597771, EPI_ISL_1597773 Yitz Goldstein, Amy Fox, Ana Olivo, Ana Vallari, Barbara Harris, Mary Rodgers, Todd Meyer, Gavin Cloherty see above Montefiore Medical Center Abbott EPI ISL 1608212 North Dakota Department of Health, Public Health Laboratory North Dakota Department of Health, Public Health Laboratory Lisa Wingerter

EPI ISL 1608805, EPI ISL 1609880, EPI ISL 1609099, EPI ISL 1609099, EPI ISL 1609099, EPI ISL 1609071, EPI ISL 1609077, EPI IS EPI ISI, 1609244 EPI ISI, 1609349 EPI ISI, 1609349 EPI ISI, 1609359 EPI ISI, 1609379 EPI IS EPI ISI, 1609432, EPI ISI, 1609437, EPI ISI, 1609472, EPI ISI, 1609474, EPI ISI, 1609475, EPI ISI, 160 EPI_ISL_1609495, EPI_ISL_1609497, EPI_ISL_1609497, EPI_ISL_1609693, EPI_ISL_1609507, EPI_IS EPI_ISL_1609914, EPI_ISL_1609922, EPI_ISL_1609923, EPI_ISL_1609923, EPI_ISL_1609943, EPI_ISL_1610218, EPI_IS EPI_ISL_1610320, EPI_ISL_1610367, EPI_ISL_1610441, EPI_ISL_1610441, EPI_ISL_1610602, EPI_ISL_1610602, EPI_ISL_1610602, EPI_ISL_1610244, EPI_ISL_1610251, EPI_IS EPI_ISL_1611269, EPI_ISL_1611296, EPI_ISL_1611376, EPI_IS EPI_ISL_1611438, EPI_ISL_16114442, EPI_ISL_16114442, EPI_ISL_1611528, EPI_ISL_1611528, EPI_ISL_1611529, EPI_ EPLISI, 1611626, EPLISI, 1611631, EPLISI, 1611631, EPLISI, 1611632, EPLISI, 1611633, EPLISI, 1611633, EPLISI, 1611634, EPLISI, 1611644, EPLISI EPI ISL 1611848, EPI ISL 1611851, EPI ISL 1611865, EPI ISL 1611898, EPI ISL 1611893, EPI ISL 1611908, EPI ISL 1611923, EPI ISL 1611923, EPI ISL 1611923, EPI ISL 1611931, EPI ISL 1611932, EPI ISL 1611932, EPI ISL 1611931, EPI IS EPI ISL 1612038, EPI ISL 1612111, EPI ISL 1612119, EPI ISL 1612170, EPI ISL 1612212, EPI ISL 1612284, EPI ISL 1612329, EPI ISL 1612453, EPI ISL 1612471, EPI ISL 1612677, EPI ISL 1612747, EPI IS

Laboratory Corporation of America Centers for Disease Control and Prevention Division of Viral see above

Diseases, Pathogen Discovery

Centers for Disease Control and Prevention Division of Viral

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Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Minoo Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iver, Manoi Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt. Steven Ragan. Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson. Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Duncan MacCannell

EPI ISL 1612978, EPI ISL 1613952, EPI ISL 1613952, EPI ISL 1613304, EPI ISL 1613304, EPI ISL 1613304, EPI ISL 1613305, EPI ISL 1613052, EPI ISL 1613952, EPI ISL 1613952, EPI ISL 1614015, EPI ISL 1614015, EPI ISL 1614093, EPI ISL 1614099, EPI ISL 1613004, EPI ISL 1613004, EPI ISL 1613004, EPI ISL 1613005, EPI IS EPI ISL 1614133 EPI ISL 1614147 EPI ISL 1614162 EPI ISL 1614524 EPI ISL 1614524 EPI ISL 1614533 EPI ISL 1614602 EPI ISL 1614602 EPI ISL 1614609 EPI ISL 1614674 EPI ISL 1614666 EPI ISL 1614796 EPI ISL 1614840 EPI ISL 1614840 EPI ISL 1614800 EPI ISL 1614800 EPI ISL 1614600 EPI ISL 161460

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EPI_ISL_1614967, EPI_ISL_1615009, Centers for Disease Control and Prevention Division of Viral Quest Diagnostics Incorporated EPI_ISL_1615021, EPI_ISL_1615039 Diseases, Pathogen Discovery

Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell

EPI ISL 1615154, EPI ISL 1615256. Helix/Illumina Centers for Disease Control and Prevention Division of Viral EPI ISL 1615414, EPI ISL 1615468 Diseases, Pathogen Discovery

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett. Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Duncan MacCannell

National Virus Reference Laboratory EPI ISL 1620452 National Virus Reference Laboratory EPI ISL 1620596, EPI ISL 1620598. Puerto Rico Department of Health Centers for Disease Control and Prevention, Dengue Branch EPI ISL 1620607

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EPI ISL 1624073 EPI ISL 1624086 Zoe Yandle, Charlene Bennett, Gabriel Gonzalez, Michael Carr, Jonathan Dean, Cillian F De Gascun

EPI_ISL_1620677 North Dakota Department of Health, Public Health Laboratory North Dakota Department of Health, Public Health Laboratory Gilberto A, Santiago, Glenda Gonzalez, Betzabel Flores, Keyla Charriez, Gabriela Paz-Bailey, Jorge L, Munoz-Jordan Lisa Wingerter

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher

Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lachawan, Clinton R. Paden, Duncan

EPI ISL 1621723. EPI ISL 1621856. EPI ISL 1621876. EPI ISL 1621875. EPI ISL 1621879. EPI ISL 1621889. EPI ISL 1621889. EPI ISL 1621929. EPI ISL 1621934. EPI ISL 1621934. EPI ISL 1621942. EPI IS EPI ISL 1622032, EPI ISL 1622076, EPI ISL 1622095, EPI ISL 1622103

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EPI_ISL_1623702	Oregon State Public Health Laboratory	Oregon State Public Health Laboratory	Rafia Razzaque, Eugene Yeboah, Vanda Makris, Laura Tsaknaridis, John Fontana and Shane Sevey
EPI_ISL_1623955, EPI_ISL_1623956, EPI_ISL_1623960, EPI_ISL_1623963, EPI_ISL_1623965, EPI_ISL_1623967, EPI_ISL_1623968, EPI_ISL_1623971	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1623973	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1623975, EPI_ISL_1623977, EPI_ISL_1623979, EPI_ISL_1623983, EPI_ISL_1623984, EPI_ISL_1623987, EPI_ISL_1623988	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1623994, EPI_ISL_1623997	MEMORIAL SLOAN KETTERING CANCER CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1624010	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1624015, EPI_ISL_1624023, EPI_ISL_1624029, EPI_ISL_1624066,	New York Presbyterian Hospital	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist

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EPI ISL 1624487 CHAMPLAIN VALLEY PHYSICIANS HOSPITAL MEDICAL Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, CENTER Erasmus Schneider, Erica Lasek-Nesselquist

EPI_ISL_1624704 Massachusetts State Public Health Laboratory Massachusetts State Public Health Laboratory Andrew Lang, Timelia Fink, Glen Gallagher, Sandra Smole

EPI_ISL_1625544, EPI_ISL_1625616, EPI_ISL_1625617, EPI_ISL_1625617, EPI_ISL_1625617, EPI_ISL_1625617, EPI_ISL_1625617, EPI_ISL_1625617, EPI_ISL_1625627, EPI_ISL_1625627, EPI_ISL_1625627, EPI_ISL_1625627, EPI_ISL_1625637, EPI_IS

EPI_ISL_1625661		., ,	
see above	The Jackson Laboratory	The Jackson Laboratory	Bergeron D, Renzette N, Adams M, Omerza G, Kelly K, Long J, Li L
EPI_ISL_1625773	Pathology and Laboratory Medicine Institute, Cleveland Clinic, Ohio, USA	Pathology and Laboratory Medicine Institute, Cleveland Clinic, Ohio, USA	Jennifer Starbuck, Joy Nakitandwe, Kristen McDonnell, David Plunkett, Zheng Jin Tu, Jay Brock, Yu-Wei Cheng, Gary Procop, Daniel Rhoads, Daniel H. Farkas, David Bosler
EPI_ISL_1625849, EPI_ISL_1625850, EPI_ISL_1625857, EPI_ISL_1625859, EPI_ISL_1625869, EPI_ISL_1625870, EPI_ISL_1625843, EPI_ISL_1625906, EPI_ISL_1625911	NJDOH, Public Health and Environmental Laboratories	NJ_PHEL	Lindsey Bodnar, Shiv K. Verma, Jacquelyn Deverell, Matthew Scarnati, Mohammad M Ali, Dana Woell, Byeong Jeong
EPI_ISL_1626322	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Kelsey R. Florek, Abigail C. Shockey
EPI_ISL_1626595	IN State Department of Health Laboratory Services	IN State Department of Health Laboratory Services	Cassandra Campion, Jamie Yeadon, Brian Pope, Lixia Liu, Kyle Brownlee, Melissa Hindenlang, Ankita Kashikar, Mark Glazier
EPI_ISL_1627276	North Dakota Department of Health, Public Health Laboratory	North Dakota Department of Health, Public Health Laboratory	Lisa Wingerter
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EPI_ISL_1628494, EPI_ISL_1628495, EPI_ISL_1628496	University of Mississippi Medical Center, Department of Pathology	University of Mississippi Medical Center, Molecular and Genomics Core Facility	Ashley C. Johnson, Ithiel J. Frame, Krishna K. Ayyalasomayajula, Michael R. Garrett, D. Ashley Robinson
EPI_ISL_1628685	Baylor Scott & White - Temple	Baylor Scott & White - Temple	Ari Rao, Linden Morales, Kimberly Walker, Marcus Volz, Shelby Hendrickson, Caitlin Maloney
EPI_ISL_1632695	Virginia Division of Consolidated Laboratory Services	Virginia Division of Consolidated Laboratory Services	Virginia DCLS
EPI_ISL_1633254, EPI_ISL_1633255, EPI_ISL_1633257, EPI_ISL_1633258	Pathology and Laboratory Medicine Institute, Cleveland Clinic, Ohio, USA	Pathology and Laboratory Medicine Institute, Cleveland Clinic, Ohio, USA	Concetta Peck, Joy Nakitandwe, Kristen McDonnell, David Plunkett, Zheng Jin Tu, Jay Brock, Yu-Wei Cheng, Gary Procop, Daniel Rhoads, Daniel H. Farkas, David Bosler
EPI_ISL_1633492	Genetica Molecular and Subdepartamento de Virologia ISP Chile	Instituto de Salud Publica de Chile	Javier Tognarelli, Karen Orostica, Barbara Parra, Loredana Arata, Jaime Lagos, Gisselle Barra, Patricia Bustos, Rodrigo Fasce, Andres Castillo, Jorge Fernandez
EPI ISL 1633793, EPI ISL 1633797, EPI ISL EPI ISL 1633975, EPI ISL 1633992, EPI ISL EPI ISL 1634110, EPI ISL 1634113, EPI ISL	1633799, EPI_ISL_1633804, EPI_ISL_1633820, EPI_ISL_163382 1633997, EPI_ISL_1634001, EPI_ISL_1634021, EPI_ISL_163403 1634118, EPI_ISL_1634123, EPI_ISL_1634135, EPI_ISL_163415	.7, EPI_ISL_1633832, EPI_ISL_1633843, EPI_ISL_1633844, E 12, EPI_ISL_1634034, EPI_ISL_1634052, EPI_ISL_1634060, E 2, EPI_ISL_1634157, EPI_ISL_1634161, EPI_ISL_1634162, E	PLISL_1633761, EPL_ISL_1633762, EPL_ISL_1633767, EPL_ISL_1633790, EPL_ISL_1633781, EPL_ISL_1633786, EPL_ISL_1633791, EPL_ISL_1633792, PLISL_1633891, EPL_ISL_1633895, EPLISL_1633897, EPLISL_1633891, EPLISL_1633914, EPLISL_1633914, EPLISL_1633914, EPLISL_1633914, EPLISL_1633914, EPLISL_1633914, EPLISL_1633914, EPLISL_1634914, EPLISL_1634914, EPLISL_1634914, EPLISL_1634914, EPLISL_1634914, EPLISL_1634914, EPLISL_16349171, EPLISL_1
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EPI_ISL_1635351	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPLISL 1635656, EPLISL 1635672, EPLISL EPLISL 1635651, EPLISL 1635657, EPLISL EPLISL 1635735, EPLISL 1635739, EPLISL EPLISL 1635803, EPLISL 1635804, EPLISL EPLISL 1635898, EPLISL 1635903, EPLISL EPLISL 1636016, EPLISL 1636026, EPLISL EPLISL 16360123, EPLISL 1636127, EPLISL EPLISL 1636229, EPLISL 1636300, EPLISL	1,635574, EPI_ISL_1635579, EPI_ISL_1635680, EPI_ISL_1635681, EPI_ISL_1635681, EPI_ISL_1635681, EPI_ISL_1635681, EPI_ISL_1635681, EPI_ISL_1635751, EPI_ISL_1635755, EPI_ISL_1635751, EPI_ISL_1635755, EPI_ISL_1635631, EPI_ISL_1635981, EPI_ISL_163691, EPI_ISL_1636	17, EPLISL 1635588, EPLISL 1635597, EPLISL 1635598, E 7, EPLISL 1635683, EPLISL 1635684, EPLISL 1635693, E 8, EPLISL 1635773, EPLISL 1635744, EPLISL 1635778, E 6, EPLISL 1635839, EPLISL 1635841, EPLISL 1635843, E 5, EPLISL 1635946, EPLISL 1635695, EPLISL 1635958, E 11, EPLISL 1636056, EPLISL 1636063, EPLISL 1636078, E 9, EPLISL 1636052, EPLISL 1636156, EPLISL 1636164, E 7, EPLISL 1636252, EPLISL 1636258, EPLISL 1636271, E	PLISL_1635504, EPLISL_1635508, EPLISL_1635511, EPLISL_1635521, EPLISL_1635527, EPLISL_1635546, EPLISL_1635547, EPLISL_1635551, EPLISL_1635504, EPLISL_1635547, EPLISL_1635547, EPLISL_1635511, EPLISL_1635614,
see above	Pandemic Response Lab - NYC	Pandemic Response Lab, R&D	Henry Lee, Michael Hammerling, Melissa Hopkins, Cybill del Castillo, Shinyoung Clair Kang, William Ward, Pradeep Bugga, Sol Rey, Dylan Law, Katharine Nelson, Haiping Hao, Jon Laurent
EPI_ISL_1636461	Microbiology Department, Laboratori Clínic Metropolitana Nord. Hospital Universitari Germans Trias i Pujol.	Can Ruti SARS-CoV-2 Sequencing Hub (HUGTiP/IrsiCaixa/IGTP)	Marc Noguera-Julian, Pilar Armengol, Ignacio Blanco, Antoni E Bordoy, Francesc Catala-Moll, Pere-Joan Cardona, Maria Casadellà, Cristina Casañ, Gemma Clara, Bonaventura Clotet, Cristina Esteban, Montserrat Giménez, Mercedes Guerrero, Anna Not, Roger Paredes, Mariona Parera, Verónica Saludes, Alba Sánchez, and Elisa Martró on behalf of the Can Ruti SARS-CoV-2 Sequencing Hub.
EPI_ISL_1637959	Wales Specialist Virology Centre Sequencing lab: Pathogen Genomics Unit	Public Health Wales Microbiology Cardiff Wales Specialist Virology Centre	Catherine Moore, Johnathan Evans, Laura Gifford, Malorie Perry, Simon Cottrell, Angela Marchbank, Alec Birchley, Alexander Adams, Amy Gaskin, Bree Gatica-Wilcox, Jason Coombes, Joel Southgate, Lauren Gilbert, Lee Graham, Nicole Pacchiarini, Sara Kumziene-Summerhayes, Sarah Taylor, Sophie Jones, Sara Rey, Matthew Bull, Joanne Watkins, Sally Corden, Tom Connor
EPI_ISL_1638578	Universitätsklinikum Bonn - Institut fýr Virologie	Robert Koch Institute	unknown
EPI_ISL_1647028	NCSLPH	NCSLPH	Chase K, Miller MC, Greene S, Glover W
EPI_ISL_1647857	Hospital General Universitario Gregorio Marañón	Hospital General Universitario Gregorio Marañón	Sergio Buenestado Serrano, Pedro Sola Campoy, Laura Pérez-Lago, Cristina Rodriguez-Grande, Pilar Catalán, Patricia Muñoz, Darío García de Viedma
EPI_ISL_1648094, EPI_ISL_1648105, EPI_ISL_1648106, EPI_ISL_1648109, EPI_ISL_1648110, EPI_ISL_1648111, EPI_ISL_1648118	NJDOH, Public Health and Environmental Laboratories	NJ_PHEL	Lindsey Bodnar, Shiv K. Verma, Jacquelyn Deverell, Matthew Scarnati, Dana Woell, Byeong Jeong
EPI_ISL_1648161	NCSLPH	NCSLPH	Chase K, Miller MC, Greene S, Glover W
EPI_ISL_1648187, EPI_ISL_1648213, EPI_ISL EPI_ISL_1648837	_1648260, EPI_ISL_1648341, EPI_ISL_1648359, EPI_ISL_164836	77, EPI_ISL_1648372, EPI_ISL_1648384, EPI_ISL_1648387, E	PI_ISL_1648430, EPI_ISL_1648538, EPI_ISL_1648691, EPI_ISL_1648728, EPI_ISL_1648763, EPI_ISL_1648772, EPI_ISL_1648784, EPI_ISL_1648829,
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EPI_ISL_1649077, EPI_ISL_1649066, EPI_ISL_1649103, EPI_ISL_1649104, EPI_ISL_1649104, EPI_ISL_1649159, EPI_ISL_1649249, EPI_ISL_1649235, EPI_ISL_1649240, EPI_ISL_1649240, EPI_ISL_1649252, EPI_ISL_1649252, EPI_ISL_1649309, EPI_ISL_1649338, EPI_ISL_1649358, EPI_ISL_1649399, EPI_ISL_1649639, EPI_ISL_1649663, EPI_IS

Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan

FPI ISL 1650006 FPI ISL 1650056 FPI ISL 1650056 FPI ISL 1650064 FPI ISL 1650058 FPI ISL 1650578 FPI ISL 165057

	1650779, EPI_ISL_1650811, EPI_ISL_1650819, EPI_ISL_16508		EPI_ISL_1650433, EPI_ISL_1650472, EPI_ISL_1650482, EPI_ISL_1650541, EPI_ISL_1650558, EPI_ISL_1650559, EPI_ISL_1650601, EPI_ISL_1650608, EPI_ISL_1650931, EPI_ISL_1650949, EPI_ISL_1650953, EPI_ISL_1650985, EPI_ISL_1650987, EPI_ISL_1650990, EPI_ISL_1651069, EPI_ISL_1651077,
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EPI_ISL_1652490	Illinois Department of Public Health	Gagnon Lab, Southern Illinois University	Keith Gagnon
EPI_ISL_1652527	Simple Laboratories	Gagnon Lab, Southern Illinois University	Keith Gagnon
EPI_ISL_1653130	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1653774, EPI_ISL_1653783	Southern Nevada Public Health Laboratory	Southern Nevada Public Health Laboratory	Michael Picker
EPI_ISL_1654582, EPI_ISL_1654591, EPI_ISL_	1654592, EPI_ISL_1654600, EPI_ISL_1654603, EPI_ISL_16546	06, EPI_ISL_1654613, EPI_ISL_1654621, EPI_ISL_1654626, E	EPI_ISL_1654633, EPI_ISL_1654634, EPI_ISL_1654635, EPI_ISL_1654644, EPI_ISL_1654646
see above	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	y Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo Cotzia, Guiqing Wang
EPI_ISL_1656455	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano
EPI_ISL_1656734	Synlab Haut de France	UMR 8199/1283 EGID	Mehdi Derhourhi
EPI_ISL_1658632	Viollier AG	Department of Biosystems Science and Engineering, ETH Zurich	Chaoran Chen, Sarah Nadeau, Catharine Aquino, Ivan Topolsky, Philipp Jablonski, Lara Fuhrmann, David Dreifuss, Katharina Jahn, Andreia Cabral de Gouvea, Maria Domenica Moccia, Simon Gruter, Timothy Sykes, Lennart Opitz, Griffin White, Laura Neff, Doris Popovic, Andrea Patrignani, Jay Tracy, Ralph Schlapbach, Christoph Noppen, Sophie Seidel, Noemie Santamaria de Souza, Niko Beerenwinkel, Tanja Stadler
EPI_ISL_1659640	National Institute of Public Health - National Institute of Hygiene	Academic Center for Pathomorphological and Genetic-Molecular Diagnostics Itd, Bialystok, Poland 2. National Institute of Public Health - National Institute of Hygiene, Warsaw, Poland	Radosaw Charkiewicz, Jacek Nikliski, Przemysaw Biecek. Joanna Resze, Piotr Majewski, Anetta Sulewska, Piotr Karabowicz, Joanna Kiluk, Janusz Dzicio, Konrad Raczkowski, Katarzyna Zacharczuk, Magdalena Nowakowska, Magorzata Sadkowska-Todys, Tomasz Wokowicz
EPI_ISL_1660383	Houston Health Dept.	Houston Health Dept.	Ryker Penn, Pamela Brown, Adolpho Lara, Yanlai Lai
EPI_ISL_1660516	Orebro University Hospital	Orebro University Hospital	unknown
EPI_ISL_1662655	Delaware Public Health Lab	Delaware Public Health Lab	Rebecca Savage
EPI_ISL_1662727	Marshfield Labs	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	i Ying Tao, Yan Li, Anna Kelleher, Jing Zhang, Anna Montmayeur, Brian Lynch, Krista Queen, Anna Uehara, Peter Cook, Han Jia Justin Ng, Rachel Marine, Clinton R. Paden, Haibin Wang, Mark Burroughs, Justin Lee, Adam Retchless, Suxiang Tong
EPI_ISL_1663075	Illinois Department of Public Health	Illinois Department of Public Health - Chicago Lab	Vineet K. Dhiman, Ira Heimler
EPI_ISL_1664327, EPI_ISL_1664345, EPI_ISL_1664458, EPI_ISL_1664476	Clinical Molecular Microbiology Laboratory, UNC Hospitals	Jeremy Wang	Jeremy Wang, Alexander Rubinsteyn, Colleen Rice, Jason Smedberg, Shawn Hawken, Melissa Miller, Corbin Jones, Robert Hagan
EPI_ISL_1665176	CONSEJERIA DE SANIDAD Y ASUNTOS SOCIALES	Instituto de Salud Carlos III	Sandonís, V. Vázquez-Morón, S. Iglesias-Caballero, M. Camarero, S. Pozo, F. Casas, I. Jiménez, P. Zaballos, A. Monzón, S. Varona, S. Cuesta, I. GUTIERREZ AVILA, GONZALO
			EPI_ISL_1666283, EPI_ISL_1666305, EPI_ISL_1666319, EPI_ISL_1666356, EPI_ISL_1666363, EPI_ISL_1666369, EPI_ISL_1666371, EPI_ISL_1666490, EPI_ISL_1667219, EPI_ISL_1667253, EPI_ISL_1667269, EPI_ISL_1667274, EPI_ISL_1667278, EPI_ISL_1667357, EPI_ISL_1667373
see above	Fulgent Genetics	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie, Clinton R. Paden, Duncan MacCannell
	.1667546, EPI_ISL_1667547, EPI_ISL_1667549, EPI_ISL_16675 .1668232, EPI_ISL_1668256, EPI_ISL_1668335, EPI_ISL_16683		EPI_ISL_1667875, EPI_ISL_1668015, EPI_ISL_1668075, EPI_ISL_1668096, EPI_ISL_1668112, EPI_ISL_1668126, EPI_ISL_1668130, EPI_ISL_1668136,
see above	Aegis Sciences Corporation	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly Houdeshell, Ola Kvalivaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R. Paden, Duncan MacCannell
EPL_ISL_1668520, EPL_ISL_1668705, EPL_ISL_1668723, EPL_ISL_1668757, EPL_ISL_1668791, EPL_ISL_1669014, EPL_ISL_1669087	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1671148, EPI_ISL_1671152, EPI_ISL_1671153, EPI_ISL_1671157	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671160	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671170, EPI_ISL_1671171	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671172, EPI_ISL_1671173	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671176	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671180, EPI_ISL_1671184	NYC Pandemic Response Lab	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671186, EPI_ISL_1671190	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671194	New York Presbyterian Hospital	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist

Wadsworth Center, New York State Department of Health

Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,

Wadsworth Center, New York State Department of Health Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly,

Erasmus Schneider, Erica Lasek-Nesselquist

Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist

EPI_ISL_1671314, EPI_ISL_1671332, EPI_ISL_1671335, EPI_ISL_1671342, EPI_ISL_1671345

EPI_ISL_1671349

EPI_ISL_1671461

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STONY BROOK UNIVERSITY HOSPITAL

WESTCHESTER MEDICAL CENTER

Erasmus Schneider, Erica Lasek-Nesselquist

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EPI_ISL_1671477	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671480, EPI_ISL_1671482	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671484	ST. FRANCIS HOSPITAL LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671488, EPI_ISL_1671490	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671493	NORTH SHORE UNIVERSITY HOSPITAL	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671495	BOSTON HEART DIAGNOSTICS CORP	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671497	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671505, EPI_ISL_1671508	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671603	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671607	WHITE PLAINS HOSPITAL CENTER LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671646	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671655	WHITE PLAINS HOSPITAL CENTER LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671659	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671664	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671665	WHITE PLAINS HOSPITAL CENTER LABORATORY	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671666	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671667	URMC LABS	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1671668, EPI_ISL_1671670, EPI_ISL_1671673, EPI_ISL_1671675	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russell, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Catharine Prussing, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_1672290	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Alexandra Lorentz, Jacob Garfin, Matt Plumb, and Xiong Wang
	674626, EPI_ISL_1674628, EPI_ISL_1674631, EPI_ISL_167463		PI_ISL_1674585, EPI_ISL_1674587, EPI_ISL_1674588, EPI_ISL_1674596, EPI_ISL_1674600, EPI_ISL_1674603, EPI_ISL_1674610, EPI_ISL_1674612, PI_ISL_1674654, EPI_ISL_1674657, EPI_ISL_1674661, EPI_ISL_1674667, EPI_ISL_1674668, EPI_ISL_1674673, EPI_ISL_1674675, EPI_ISL_1674677,
see above	Yale Clinical Virology Lab	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabel Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Marie L. Landry, Nathan Grubaugh
EPI_ISL_1674702, EPI_ISL_1674704	Murphy Medical Association	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Mallery Breban, Isabel Ott, Tara Alpert, Mary Petrone, Anderson Brito, Chantal Vogels, Annie Watkins, Chaney Kalinich, Jessica Rothman, Caleb Neal, Eva Laszlo, Steven Murphy, Nathan Grubaugh
EPI_ISL_1674970	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_1678061, EPI_ISL_1678062, EPI_ISL_1	678063, EPI_ISL_1678066, EPI_ISL_1678067, EPI_ISL_167806	9, EPI_ISL_1678070, EPI_ISL_1678071, EPI_ISL_1678072, E	PI_ISL_1678075, EPI_ISL_1678076, EPI_ISL_1678078, EPI_ISL_1678080
see above	NYC Department of Health and Mental Hygiene	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1678134, EPI_ISL_1678135, EPI_ISL_1678141	SC Dept of Health and Env. Control-Bureau of Laboratories	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1678161	"CDPH, Viral and Rickettsial Disease Laboratory"	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
EPI_ISL_1678228	GA Department of Public Health Laboratory	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee
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see ahove	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Carayas, Benjamin Rambo-Martin, Shatayia Morrison, Christopher

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see above Helix/Illumina Centers for Disease Control and Prevention Division of Viral Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Diseases, Pathogen Discovery Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Duncan MacCannell

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see above	Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Minoo Agarwai, Eyad Almasni, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruits, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Scovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1685841, EPI_ISL_1685890, EPI_ISL_16859	6, EPI_ISL_1685917, EPI_ISL_1685928, EPI_ISL_168	85954, EPI_ISL_1685960, EPI_ISL_1685992, EPI_ISL_1685999, E	PI_ISL_1685699, EPI_ISL_1685749, EPI_ISL_1685806, EPI_ISL_1685807, EPI_ISL_1685813, EPI_ISL_1685820, EPI_ISL_1685821, EPI_ISL_1685824, PI_ISL_1686135, EPI_ISL_1686397, EPI_ISL_1686135, EPI_ISL_1686397, EPI_ISL_

EPI ISL 1686559, EPI ISL 1686588, EPI ISL 1686774, EPI ISL 168734, EPI ISL 168734, EPI ISL 1687440, EPI ISL 1687440, EPI ISL 1687440, EPI ISL 1687440, EPI ISL 1687510, EPI ISL 1687550, EPI ISL 1687650, EPI ISL 1687650, EPI ISL 1687440, EPI ISL 1687440, EPI ISL 1687440, EPI ISL 1687510, EPI ISL 1687550, EPI ISL 1687650, EPI ISL EPI ISL 1687653, EPI ISL 1687699, EPI ISL 1687790, EPI ISL 1687786, EPI ISL 1687786, EPI ISL 1687786, EPI ISL 1687873, EPI ISL 1688049, EPI IS EPI ISL 1688392, EPI ISL 1688557, EPI ISL 1688557, EPI ISL 1688638, EPI ISL 1688538, EPI ISL 1688638, EPI IS EPI ISL 1689634, EPI ISL 1689636, EPI ISL 1689636, EPI ISL 1689636, EPI ISL 1689636, EPI ISL 1689867, EPI ISL 1689887, EPI IS EPI ISL 1690046, EPI ISL 1690059, EPI ISL 1690115, EPI ISL 1690121, EPI ISL 1690180, EPI ISL 1690189, EPI ISL 1690250

Houdeshell, Ola Kvalvaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R, Paden, Duncan MacCannell

EPI ISL 1690401, EPI ISL 1690455, EPI ISL 1690499, EPI ISL 1690719, EPI ISL 1690890, EPI ISL 1690956, EPI ISL 1690970, EPI ISL 1691015, EPI ISL 1691228, EPI ISL 1691338, EPI ISL 1691338

Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery

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Diseases, Pathogen Discovery

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R, Paden, Duncan MacCannell

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher

Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly

EPI ISL 1691424, EPI ISL 1691436. Quest Diagnostics Incorporated Centers for Disease Control and Prevention Division of Viral EPI ISL 1691450 Diseases, Pathogen Discovery

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Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden. Duncan MacCannell

EPI_ISL_1692049, EPI_ISL_1692052, EPI_ISL_1692052, EPI_ISL_1692067, EPI_ISL_1692067, EPI_ISL_1692082, EPI_ISL_1692169, EPI_ISL_1692165, EPI_ISL_1692165, EPI_ISL_1692183, EPI_IS EPI ISL 1692205, EPI ISL 1692215, EPI ISL 1692225, EPI ISL 1692225, EPI ISL 1692225, EPI ISL 1692237, EPI ISL 1692237, EPI ISL 1692333, EPI ISL 1692333, EPI ISL 1692334, EPI ISL 1692343, EPI ISL 1692343, EPI ISL 1692344, EPI ISL 1692345, EPI ISL 169235, EPI ISL 169235, EPI ISL 169235, EPI ISL 169235, EPI ISL 169236, EPI ISL 1692 EPI_ISL_1692365, EPI_ISL_1692377, EPI_ISL_1692377, EPI_ISL_1692377, EPI_ISL_1692377, EPI_ISL_1692377, EPI_ISL_1692498, EPI_ISL_1692444, EPI_ISL_1692444, EPI_ISL_1692445, EPI_ISL_169247, EPI_ EPI_ISL_169389, EPI_ISL_1693025, EPI_ISL_1693105, EPI_ISL_1693105, EPI_ISL_1693125, EPI_ISL_1693125, EPI_ISL_1693275, EPI_ISL_1693275, EPI_ISL_1693275, EPI_ISL_1693275, EPI_ISL_1693275, EPI_ISL_1693275, EPI_ISL_1693275, EPI_ISL_1693275, EPI_ISL_1693125, EPI_ISL_1693125, EPI_ISL_1693125, EPI_ISL_1693125, EPI_ISL_1693275, EPI_ISL_1693125, EPI_ISL

EPI_ISL_1694015, EPI_ISL_1694347, EPI_ISL_1694388, EPI_ISL_1694412, EPI_ISL_1694520 Infinity Biologix Centers for Disease Control and Prevention Division of Viral Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher see above Diseases, Pathogen Discovery Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Christian Bixby, Yihe Wang, Jonathan Schultz, Chirayu Goswami, Russ Hager, Robin Grimwood, Clinton R. Paden, Duncan MacCannell

EPI ISL 1694671 Quest Diagnostics Incorporated Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery EPI_ISL_1694699 DOHMH Jamaica New York City Public Health Laboratory EPI_ISL_1694701 DOHMH Riverside New York City Public Health Laboratory

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannel

Jade Wang, et al. Jade Wang, et al. EPI ISL 1694712 DOHMH Jamaica New York City Public Health Laboratory Jade Wang, et al. EPI ISL 1694713 DOHMH Corona New York City Public Health Laboratory Jade Wang, et al. EPI ISL 1694719 DOHMH Fort Greene New York City Public Health Laboratory Jade Wang, et al. EPI ISL 1694722, EPI ISL 1694726 OCME Office Of Chief Medical Examiner New York City Public Health Laboratory Jade Wang, et al. EPI ISL 1694728 DOHMH Crown Heights New York City Public Health Laboratory Jade Wang, et al. EPI ISL 1694729 DOHMH Morrisania New York City Public Health Laboratory Jade Wang, et al. EPI_ISL_1694735 DOHMH Corona New York City Public Health Laboratory Jade Wang, et al. EPI ISL 1694740, EPI ISL 1694754. DOHMH Jamaica New York City Public Health Laboratory Jade Wang, et al. EPI_ISL_1694755, EPI_ISL_1694756 EPI ISL 1694762 Department of Homeless Services New York City Public Health Laboratory

Diseases, Pathogen Discovery

Jade Wang, et al. Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher

EPI_ISL_1695015 Laboratory Corporation of America Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery

Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Minoo Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Humphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Lithan, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Duncan MacCannell

EPI_ISL_1695113, EPI_ISL_1695237, Aegis Sciences Corporation Centers for Disease Control and Prevention Division of Viral EPI ISL 1695305, EPI ISL 1695382, Diseases, Pathogen Discovery EPI ISL 1695392, EPI ISL 1695469.

Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Ungarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly Houdeshell, Ola Kvalvaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R, Paden, Duncan MacCannell

EPI ISL 1695539, EPI ISL 1695554 EPI ISL 1695787 NJ Public Health and Environmental Laboratories Centers for Disease Control and Prevention Division of Viral

Milli Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee

EPI ISL 1695825 UT-Unified State Labs: Public Health Utah DOH Diseases, Pathogen Discovery

Centers for Disease Control and Prevention Division of Viral Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee

EPI_ISL_1695889, EPI_ISL_1695891 NYSDOH Wadsworth Center, Virology Lab Diseases, Pathogen Discovery

Centers for Disease Control and Prevention Division of Viral Milli Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L, Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin,

Dave Wentworth, Vivien Dugan, Suxiang Tong, Justin Lee

			Dave Werkworth, Willett Dugart, Suxiang Tong, Sustan Lee
EPI_ISL_1695908, EPI_ISL_1695910	NJ Public Health and Environmental Laboratories	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Mili Sheth, Sarah Nobles, Jasmine Padilla, Mark Burroughs, Shoshona Le, Katie Dillon, Peter Cook, Clinton R. Paden, Dhwani Batra, Krista Queen, Kristen Knipe, Dakota Howard, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Alison Laufer Halpin, Dave Wentworth, Vivien Dugan, Suxiang Toy, Justin Lee
EPI ISL 1697384	Wichita State University - Molecular Diagnostics Lab	Kansas Health and Environmental Lab	Mike Grose, Jonathan Barnell, Ben Olsen, and Phil Adam
EPI_ISL_1697994, EPI_ISL_1698159	Lighthouse Lab in Milton Keynes	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	The Lighthouse Lab in Milton Keynes and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1698285, EPI_ISL_1698346	Lighthouse Lab in Cambridge	Wellcome Sanger Institute for the COVID-19 Genomics UK (COG-UK) Consortium	Rob Howes, The Lighthouse Lab in Cambridge and Alex Alderton, Roberto Amato, Jeffrey Barrett, Sonia Goncalves, Ewan Harrison, David K. Jackson, Ian Johnston, Dominic Kwiatkowski, Cordelia Langford, John Sillitoe on behalf of the Wellcome Sanger Institute COVID-19 Surveillance Team
EPI_ISL_1700669, EPI_ISL_1700673	NYC Department of Health and Mental Hygiene	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Yan Li, Anna Kelleher, Jing Zhang, Anna Montmayeur, Brian Lynch, Krista Queen, Anna Uehara, Peter Cook, Han Jia Justin Ng, Rachel Marine, Clinton R. Paden, Haibin Wang, Mark Burroughs, Justin Lee, Adam Retchless, Suxiang Tong
EPI_ISL_1700702, EPI_ISL_1700706, EPI_ISL_1700707, EPI_ISL_1700709	NJDOH, Public Health and Environmental Laboratories	NJ_PHEL	Lindsey Bodnar, Shiv K. Verma, Jacquelyn Deverell, Matthew Scarnati, Dana Woell, Byeong Jeong
EPI_ISL_1700788	NJDOH, Public Health and Environmental Laboratories	NJ Public Health and Environmental Laboratories	Lindsey Bodnar, Shiv K. Verma, Jacquelyn Deverell, Matthew Scarnati, Dana Woell, Byeong Jeong
EPI_ISL_1701854, EPI_ISL_1701863	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtoa Liu, Eric Allen, Phil Febbo, Nicole L. Washington, Simon White, Geraint Levan, Kelly Schiabor Barrett, Elizabeth Cirulli, Alexandre Botze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jimmy Ramirez, Tyler Cassens, Efren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1701884, EPI_ISL_1701900, EPI_ISL_17	01915, EPI_ISL_1701949, EPI_ISL_1701952, EPI_ISL_17019	72, EPI_ISL_1701976, EPI_ISL_1701978, EPI_ISL_1701996, E	PI_ISL_1701997, EPI_ISL_1702037, EPI_ISL_1702055, EPI_ISL_1702076
see above	Aegis Sciences Corporation	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly Houdeshell, Ola Kvalvaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R. Paden, Duncan MacCannell
EPLISL_1702189, EPLISL_1702190, EPLISL_1702192, EPLISL_1702194, EPLISL_1702267, EPLISL_1702272, EPLISL_1702275, EPLISL_1702278, EPLISL_1702534, EPLISL_1702542	Infinity Biologix	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Christian Bixby, Yihe Wang, Jonathan Schultz, Chirayu Goswami, Russ Hager, Robin Grimwood, Clinton R. Paden, Duncan MacCannell
EPI ISL 1702580, EPI ISL 1702602, EPI ISL 17	02611, EPI ISL 1702612, EPI ISL 1702614, EPI ISL 17026	15, EPI ISL 1702636, EPI ISL 1702652, EPI ISL 1702663, E	PI_ISL_1702664, EPI_ISL_1702675, EPI_ISL_1702681, EPI_ISL_1702706, EPI_ISL_1702712
see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, S. H. Rosenthal, A. Gerasimova, R. M. Kagan, B. Anderson, M. Hua, Y. Liu, L.E. Bernstein, K.E. Livingston, A. Perez, I. A. Shlyakhter, R. V. Rolando, R. Owen, P. Tanpaiboon, F. Lacbawan, Clinton R. Paden, Duncan MacCannell
EPL.ISL_1702788, EPL.ISL_1702799, EPL.ISL_1702800, EPL.ISL_1702802, EPL.ISL_1702847, EPL.ISL_1702855, EPL.ISL_1702867, EPL.ISL_1702876, EPL.ISL_1702912	Aegis Sciences Corporation	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Dakota Howard, Dhwani Batra, Peter W. Cook, Kara Moser, Adrian Paskey, Jason Caravas, Benjamin Rambo-Martin, Shatavia Morrison, Christopher Gulvick, Scott Sammons, Yvette Unoarumhi, Darlene Wagner, Matthew Schmerer, Cyndi Clark, Patrick Campbell, Rob Case, Vikramsinha Ghorpade, Holly Houdeshell, Ola Kvalvaag, Dillon Nall, Ethan Sanders, Alec Vest, Shaun Westlund, Matthew Hardison, Clinton R. Paden, Duncan MacCannell
EPI_ISL_1703434	Dutch COVID-19 response team	National Institute for Public Health and the Environment (RIVM)	Adam Meijer, Harry Vennema, Dirk Eggink, Jeroen Cremer, Sharon van den Brink, Bas van der Veer, AnneMarie van den Brandt, Lisa Wijsman, Kim Freriks, Ryanne Jaarsma, Eunice Then, Jolienke Hardeman, Lynn Aarts, Sanne Bos, Melissa van Tuil, Robert Kohl, Linda van de Nes, Sjoerd Kuilling, James Groot, Florian Zwagemaker, Dennis Schmitz, Annelies Kroneman, Karim Hajji, Chantal Reusken, on behalf of the national COVID-19 response team
EPI_ISL_1704708	Northwestern Memorial Hospital	Northwestern University - Ozer Lab	Ramon Lorenzo-Redondo, Lacy M. Simons, Taylor J. Dean, Chad J. Achenbach, Lawrence J. Jennings, Chao Qi, Michael G. Ison, Judd F. Hultquist, Egon A. Ozer
EPI_ISL_1704740	Lurie Children's Hospital of Chicago	Northwestern University - Ozer Lab	Ramon Lorenzo-Redondo, Lacy M. Simons, Taylor J. Dean, Michael G. Ison, Xiaotian, Zheng, William J. Muller, Larry K. Kociolek, Judd F. Hultquist, Egon A. Ozer
EPI_ISL_1704775	Northwestern Memorial Hospital	Northwestern University - Ozer Lab	Ramon Lorenzo-Redondo, Lacy M. Simons, Taylor J. Dean, Chad J. Achenbach, Lawrence J. Jennings, Chao Qi, Michael G. Ison, Judd F. Hultquist, Egon A. Ozer
EPI_ISL_1707095	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1707373	Sonora Quest Laboratories	TGen North	"Jolene Bowers, Heather Centner, Chris French, Hayley Yaglom, Ashlyn Pfeiffer, Darrin Lemmer, Dave Engelthaler, The Arizona COVID Genomics Union (ACGU)"
EPI_ISL_1708250	Illinois Department of Public Health - Springfield Lab	Illinois Department of Public Health - Springfield Lab	Bryan Sim, Gordon McCall
EPI_ISL_1708542, EPI_ISL_1708573	Gundersen Clinical Microbiology Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny
EPI ISL 671745	DOHMH Riverside	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_765493	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_794288	Columbia University Irving Medical Center	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_801975	MSHS Clinical Microbiology Laboratories	MSHS Pathogen Surveillance Program	Ana S. Gonzalez-Reiche, Hala Alshammary, Mitchell J. Sullivan, Brianne Ciferri, Ajay Obla, Angela Amoako, Mahmoud Awawda, Elena Hirsch, Ashley S. Salimbangon, Levy Sominsky, Katherine Baeach, Kayla Russo, Charles Gleason, Shelicie Fabre, Giulio Kleiner, Zenab Khan, Bremy Alburquerque, Adriana van de Guchte, Komal Srivastava, Matthew M. Hermandez, Jayeeta Dutta, Denise Jurczyszak, Emily Ferreri, Rachel Chernet, Nancy Francoeur, Betsaida Salom Melo, Irina Oussenko, Gintaras Deikus, Juan Soto, Shwetha Hara Sridhar, Ying-Chih Wang, Kathryn Twyman, Andrew Kasarskis, Deena R. Altman, Robert Sebra, Adolfo García-Sastre, Marta Luksza, Gopi Patel, Sarah Schaefer, Melissa Gitman, Michael D. Nowak, Alberto Paniz-Mondolfi, Emilia Mia Sordillo, Viviana Simon, Harm van Bakel
EPI_ISL_802788	Columbia University Irving Medical Center	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_812733	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_833137	Laboratorio de Ecologia de Doencas Transmissiveis na Amazonia, Instituto Leonidas e Maria Deane - Fiocruz Amazonia	Laboratorio de Ecologia de Doencas Transmissiveis na Amazonia, Instituto Leonidas e Maria Deane - Fiocruz Amazonia	Valdinete Nascimento, Victor Souza, André Corado, Fernanda Nascimento, George Silva, Ágatha Costa, Debora Duarte, Karina Pessoa, Matilde Mejía, Luciana Gonçalves, Maria Júlia Brandão, Michele Jesus, Felipe Naveca on behalf of the Fiocruz COVID-19 Genomic Surveillance Network
EPI_ISL_854454, EPI_ISL_854455, EPI_ISL_854457	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist

EPI_ISL_857056, EPI_ISL_857060	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_857163	DOHMH Central Harlem	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_857164	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_861112	New York Presbyterian Hospital	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_861244, EPI_ISL_861267, EPI_ISL_861278, EPI_ISL_861280, EPI_ISL_861291, EPI_ISL_861308, EPI_ISL_861313	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_861353, EPI_ISL_861361	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_883333	DOHMH Riverside	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_883339	DOHMH Chelsea	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_883340, EPI_ISL_883342	DOHMH PHL	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_883344	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_883346	DOHMH PHL	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_884080	Wadsworth Center, New York State Department of Health	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_886531, EPI_ISL_888376	Labcorp	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dhwani Batra, Ben L. Rambo-Martin, Summer Galloway, Brian Krueger, Minoo Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Countryman, Mary Ann Cristobal, Bobbi Croy, Suzanne Dale, Hrushikesh Deshmukh, Amanda Douglas, Vincent Drouillon, Marcia Eisenberg, Howard Engler, Rama Ghatti, Prashant Gupta, Susan Hicks, Jake Mmphrey, Lax Iyer, Manoj Jain, Mohan Kolli, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukasik, Jonathan Meltzer, Brian Norvell, Mindy Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanek, Andrea Throop, Lyndon Tilson, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Suxiang Tong, Duncan MacCannell,
EPI_ISL_896227, EPI_ISL_896232, EPI_ISL_896233, EPI_ISL_896395	Columbia University Irving Medical Center	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_896532	New York Presbyterian Hospital	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_906837, EPI_ISL_906838, EPI_ISL_906839	National Public Health Laboratory, National Centre for Infectious Diseases	National Public Health Laboratory, National Centre for Infectious Diseases	Tze Minn Mak, Zhenyang Zhou, Lin Cui, Raymond Tzer Pin Lin
EPI_ISL_936256, EPI_ISL_936261, EPI_ISL_936276, EPI_ISL_936292, EPI_ISL_936299	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_937126	DOHMH Riverside	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937155	DOHMH PHL	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937190	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937191	Department of Homeless Services	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937201	DOHMH Fort Greene	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937206	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937211, EPI_ISL_937215	DOHMH PHL	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937218	DOHMH Chelsea	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937236	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937247, EPI_ISL_937252, EPI_ISL_937255	OCME Office Of Chief Medical Examiner	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_937272	NYC HH Elmhurst Hospital Medical Center	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_966264	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Adriana Heguy, Dacia Dimartino, Emily Guzman, Christian Marier, Peter Meyn, Sitharam Ramaswami, Gael Westby, Paul Zappile, Yutong Zhang, Paolo Cotzia, Guiqing Wang
EPI_ISL_966387	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_966413	DOHMH Central Harlem	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_966415	DOHMH Corona	New York City Public Health Laboratory	Jade Wang, et al.
EPI ISL 966420	DOHMH Morrisania	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_966424	DOHMH Jamaica	New York City Public Health Laboratory	Jade Wang, et al.
EPI_ISL_979499	Eurofins Diatherix	Hudsonalpha Genome Sequencing Center	Jane Grimwood, Melissa Williams, Lori H. Handley, Joshua Stough, Leslie Malone, Stefan Brzezinski, Ada Stewart, Teresa Jones, Jenell Webber, John Lovell, Jennifer Cart, and Jeremy Schmutz
EPI_ISL_982461, EPI_ISL_982490, EPI_ISL_983103, EPI_ISL_983114	MONTEFIORE MEDICAL CENTER LABORATORIES	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Erasmus Schneider, Erica Lasek-Nesselquist
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EPI_ISL_984771, EPI_ISL_984816, EPI_ISL_984817, EPI_ISL_984883, EPI_ISL_984897, EPI_ISL_984907, EPI_ISL_994803, EPI_ISL_994803, EPI_ISL_994804, EPI_ISL_994804, EPI_ISL_994804, EPI_ISL_994806, EPI_ISL_994806, EPI_ISL_994806, EPI_ISL_994906, EPI_ISL_994906, EPI_ISL_994906, EPI_ISL_994906, EPI_ISL_995010, EPI_ISL_995010, EPI_ISL_995023, EPI_ISL_995024, EPI_ISL_995040, EPI_ISL_995048, EPI_ISL_995048, EPI_ISL_995049, EPI_ISL_995049