

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.

All Submitters of data may be contacted directly via www.gisaid.org

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EPI_ISL_1001005, EPI_ISL_1001006, EPI_ISL_1001007, EPI_ISL_1001008, EPI_ISL_1001009, EPI_ISL_1001035, EPI_ISL_1001037, EPI_ISL_1001038, EPI_ISL_1001039	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Department
EPI_ISL_1005485	Los Angeles County PHL	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1005501, EPI_ISL_1005503	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1005549, EPI_ISL_1005550, EPI_ISL_1005551, EPI_ISL_1005552, EPI_ISL_1005553	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1009664	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Department
EPI_ISL_1016604, EPI_ISL_1016606, EPI_ISL_1016608, EPI_ISL_1016609, EPI_ISL_1016610, EPI_ISL_1016611, EPI_ISL_1016612, EPI_ISL_1016618, EPI_ISL_1016621	Helix/Illumina	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, 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, Eren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1038283, EPI_ISL_1038675, EPI_ISL_1038678, EPI_ISL_1038681, EPI_ISL_1038682, EPI_ISL_1038683, EPI_ISL_1038684, EPI_ISL_1038685, EPI_ISL_1038686, EPI_ISL_1038687, EPI_ISL_1038690, EPI_ISL_1038691, EPI_ISL_1038692, EPI_ISL_1038693, EPI_ISL_1038694, EPI_ISL_1038695, EPI_ISL_1038699	see above	Laboratory Corporation of America	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention
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EPI_ISL_1086566, EPI_ISL_1086639, EPI_ISL_1086650, EPI_ISL_1087439, EPI_ISL_1087517, EPI_ISL_1087525, EPI_ISL_1087541, EPI_ISL_1087628, EPI_ISL_1087633, EPI_ISL_1087634, EPI_ISL_1087636, EPI_ISL_1087651, EPI_ISL_1087655, EPI_ISL_1087656, EPI_ISL_1087659, EPI_ISL_1087661, EPI_ISL_1087663, EPI_ISL_1087667, EPI_ISL_1087669, EPI_ISL_1087675, EPI_ISL_1087679, EPI_ISL_1087684, EPI_ISL_1087693, EPI_ISL_1087727, EPI_ISL_1087755, EPI_ISL_1087760, EPI_ISL_1087768, EPI_ISL_1088094, EPI_ISL_1088107, EPI_ISL_1088111, EPI_ISL_1088115, EPI_ISL_1088117, EPI_ISL_1088123, EPI_ISL_1088124, EPI_ISL_1088140, EPI_ISL_1088142, EPI_ISL_1088143, EPI_ISL_1088152, EPI_ISL_1088170, EPI_ISL_1088188, EPI_ISL_1088192, EPI_ISL_1088196, EPI_ISL_1088210, EPI_ISL_1088211, EPI_ISL_1088216, EPI_ISL_1088231, EPI_ISL_1088232, EPI_ISL_1088239, EPI_ISL_1088271, EPI_ISL_1088299, EPI_ISL_1088333, EPI_ISL_1088354, EPI_ISL_1088402, EPI_ISL_1088409, EPI_ISL_1088411, EPI_ISL_1088414, EPI_ISL_1088416, EPI_ISL_1088428, EPI_ISL_1088439, EPI_ISL_1088445, EPI_ISL_1088448, EPI_ISL_1088455, EPI_ISL_1088456, EPI_ISL_1088469, EPI_ISL_1088474, EPI_ISL_1088478, EPI_ISL_1088479, EPI_ISL_1088489, EPI_ISL_1088494, EPI_ISL_1088495, EPI_ISL_1088499, EPI_ISL_1088501, EPI_ISL_1088502, EPI_ISL_1088503, EPI_ISL_1088509, EPI_ISL_1088513, EPI_ISL_1088514, EPI_ISL_1088516, EPI_ISL_1088520, EPI_ISL_1088521, EPI_ISL_1088525, EPI_ISL_1088530, EPI_ISL_1088533, EPI_ISL_1088539, EPI_ISL_1088543	see above	Quest Diagnostics Incorporated	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention
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EPI_ISL_1098609, EPI_ISL_1098610, EPI_ISL_1098611, EPI_ISL_1098612, EPI_ISL_1098613, EPI_ISL_1098614, EPI_ISL_1098616, EPI_ISL_1098618, EPI_ISL_1098619, EPI_ISL_1098620, EPI_ISL_1098622, EPI_ISL_1098623, EPI_ISL_1098624, EPI_ISL_1098625, EPI_ISL_1098626, EPI_ISL_1098627, EPI_ISL_1098630, EPI_ISL_1098631	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
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Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1159250, EPI_ISL_1159262, EPI_ISL_1159269, EPI_ISL_1159274, EPI_ISL_1159275, EPI_ISL_1159287, EPI_ISL_1159288, EPI_ISL_1159294, EPI_ISL_1159295, EPI_ISL_1159324	Quest Diagnostics Incorporated	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1159409, EPI_ISL_1159437, EPI_ISL_1159459, EPI_ISL_1159479, EPI_ISL_1159600, EPI_ISL_1159603, EPI_ISL_1159620, EPI_ISL_1159623, EPI_ISL_1159643, EPI_ISL_1159653, EPI_ISL_1159659, EPI_ISL_1159674	Quest Diagnostics Incorporated	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
see above	Laboratory Corporation of America	Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Mino Agarwal, Eyaad 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, Minda Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanec, 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_1169600	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Department
EPI_ISL_1185387	County of San Luis Obispo Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Cliahub Consortium
EPI_ISL_1185960, EPI_ISL_1185961, EPI_ISL_1185962, EPI_ISL_1185963, EPI_ISL_1185964, EPI_ISL_1185966, EPI_ISL_1185968, EPI_ISL_1185969, EPI_ISL_1185970, EPI_ISL_1185971, EPI_ISL_1185972, EPI_ISL_1185973, EPI_ISL_1185974, EPI_ISL_1185975, EPI_ISL_1185976, EPI_ISL_1185977, EPI_ISL_1185978, EPI_ISL_1185979, EPI_ISL_1185980, EPI_ISL_1185981, EPI_ISL_1185982, EPI_ISL_1185983, EPI_ISL_1185984, EPI_ISL_1185986, EPI_ISL_1185988, EPI_ISL_1185991, EPI_ISL_1185992, EPI_ISL_1185995, EPI_ISL_1185996, EPI_ISL_1185997, EPI_ISL_1185998, EPI_ISL_1185999, EPI_ISL_1186000, EPI_ISL_1186001, EPI_ISL_1186002, EPI_ISL_1186003, EPI_ISL_1186004, EPI_ISL_1186005, EPI_ISL_1186006, EPI_ISL_1186007, EPI_ISL_1186008, EPI_ISL_1186009, EPI_ISL_1186010, EPI_ISL_1186011, EPI_ISL_1186012, EPI_ISL_1186013, EPI_ISL_1186014, EPI_ISL_1186015, EPI_ISL_1186016, EPI_ISL_1186017, EPI_ISL_1186018, EPI_ISL_1186019, EPI_ISL_1186020, EPI_ISL_1186021, EPI_ISL_1186022	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Mino Agarwal, Eyaad 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, Minda Nye, Scott Parker, Christos Petropoulos, John Pruitt, Steven Ragan, Scott Ryan, Mike Sapeta, Jana Schroth, Suresh Babu Selvaraju, Goran Stevovic, Amanda Suchanec, 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
see above	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_1191113	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1192365	Huntington Memorial Hospital	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1193289	Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Mino Agarwal, Eyaad 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

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see above Quest Diagnostics Incorporated Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell

EPI_ISL_1194743, EPI_ISL_1194746, EPI_ISL_1194808, EPI_ISL_1194818 Helix/Illumina Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Feebo, Summer Galloway, Nicole L. Washington, Simon White, Germyt Levan, Kelly Schiabor Barret, Elizabeth Cirulli, Alexandre Bolze, Ary Ascencio, Charlotte Rivera-Garcia, Ryan Cho, Jason Nguyen, Sherry Wang, Jaimin Ramirez, Tyler Cassens, Eren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell

EPI_ISL_1195800, EPI_ISL_1195863 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, Guqing Wang

EPI_ISL_1196775, EPI_ISL_1196776, EPI_ISL_1196778, EPI_ISL_1196779, EPI_ISL_1196780, EPI_ISL_1196781, EPI_ISL_1196782, EPI_ISL_1196783, EPI_ISL_1196784, EPI_ISL_1196785, EPI_ISL_1196786, EPI_ISL_1196787, EPI_ISL_1196788, EPI_ISL_1196789, EPI_ISL_1196790, EPI_ISL_1196791

see above Alameda County Public Health Department Alameda County Public Health Department Kristna Hsieh, Maria Elma, Kevin Libuit
 EPI_ISL_1197042 USC Clinical Lab Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197043 Martin Luther King Jr. Community Hospital Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197044 USC Clinical Lab Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197045 Martin Luther King Jr. Community Hospital Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197046, EPI_ISL_1197047 USC Clinical Lab Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197048, EPI_ISL_1197050, EPI_ISL_1197052 Martin Luther King Jr. Community Hospital Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197053 USC Clinical Lab Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197054, EPI_ISL_1197055, EPI_ISL_1197056, EPI_ISL_1197057 Martin Luther King Jr. Community Hospital Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1197059, EPI_ISL_1197060, EPI_ISL_1197061 Flow Diagnostics Lab Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1201559 USC Clinical Lab Los Angeles County PHL P. Hemarajata et al.
 EPI_ISL_1205474, EPI_ISL_1205476, EPI_ISL_1205477, EPI_ISL_1205480, EPI_ISL_1205481, EPI_ISL_1205483, EPI_ISL_1205484 Alameda County Public Health Department Alameda County Public Health Department Kristna Hsieh, Maria Elma, Kevin Libuit

EPI_ISL_1220375, EPI_ISL_1220429, EPI_ISL_1220507, EPI_ISL_1220520, EPI_ISL_1220547, EPI_ISL_1220596, EPI_ISL_1220611, EPI_ISL_1220611, EPI_ISL_1220629, EPI_ISL_1220636, EPI_ISL_1220660, EPI_ISL_1220661, EPI_ISL_1220662, EPI_ISL_1220667, EPI_ISL_1220672, EPI_ISL_1220687, EPI_ISL_1220695, EPI_ISL_1220715, EPI_ISL_1220723, EPI_ISL_1220724, EPI_ISL_1220730, EPI_ISL_1220739, EPI_ISL_1220740, EPI_ISL_1220741, EPI_ISL_1220743, EPI_ISL_1220745, EPI_ISL_1220747, EPI_ISL_1220749, EPI_ISL_1220751, EPI_ISL_1220753, EPI_ISL_1220754, EPI_ISL_1220757, EPI_ISL_1220761, EPI_ISL_1220766, EPI_ISL_1220767, EPI_ISL_1220776, EPI_ISL_1220778, EPI_ISL_1220783, EPI_ISL_1220784, EPI_ISL_1220786, EPI_ISL_1220792, EPI_ISL_1220794, EPI_ISL_1220796, EPI_ISL_1220797, EPI_ISL_1220798, EPI_ISL_1220801, EPI_ISL_1220804, EPI_ISL_1220806, EPI_ISL_1220808, EPI_ISL_1220811, EPI_ISL_1220817, EPI_ISL_1220818, EPI_ISL_1220820, EPI_ISL_1220827, EPI_ISL_1220831, EPI_ISL_1220832, EPI_ISL_1220833, EPI_ISL_1220834, EPI_ISL_1220835, EPI_ISL_1220837, EPI_ISL_1220838, EPI_ISL_1220841, EPI_ISL_1220843, EPI_ISL_1220845, EPI_ISL_1220859, EPI_ISL_1220860, EPI_ISL_1220861

see above Quest Diagnostics Incorporated Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell

EPI_ISL_1221302, EPI_ISL_1221420, EPI_ISL_1221702, EPI_ISL_1221740, EPI_ISL_1221810, EPI_ISL_1221864 Laboratory Corporation of America Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Mino Agarwal, Eyad Almasri, Debbie Boles, Ayla Burns, Nuthawin Charoensri, Oren Cohen, Susan Contryman, 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_1222757 Santa Clara County Public Health Laboratory Santa Clara County Public Health Laboratory Santa Clara County Public Health Department
 EPI_ISL_1226169, EPI_ISL_1226170, EPI_ISL_1226171, EPI_ISL_1226172, EPI_ISL_1226173, EPI_ISL_1226174, EPI_ISL_1226175, EPI_ISL_1226176 CA-Los Angeles County Public Health Laboratory Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention Krista Queen, Yan Li, Ying Tao, Jing Zhang, Anna Uehara, Anna Montmayeur, Clinton R. Paden, Kristen Knipe, Matthew Scherer, Shoshona Le, Katie Dillon, Peter W. Cook, Rachel Marine, Mili Sheth, Jasmine Padilla, Sarah Nobles, Mark Burroughs, Lori Rowe, Haibin Wang, Ben L. Rambo-Martin, Kristine Lacey, Sam Shepard, Dhvani Batra, Suxiang Tong, Justin Lee

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see above "CDPH, Viral and Rickettsial Disease Laboratory" Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention Krista Queen, Yan Li, Ying Tao, Jing Zhang, Anna Uehara, Anna Montmayeur, Clinton R. Paden, Kristen Knipe, Matthew Scherer, Shoshona Le, Katie Dillon, Peter W. Cook, Rachel Marine, Mili Sheth, Jasmine Padilla, Sarah Nobles, Mark Burroughs, Lori Rowe, Haibin Wang, Ben L. Rambo-Martin, Kristine Lacey, Sam Shepard, Dhvani Batra, Suxiang Tong, Justin Lee

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see above	Fulgent Genetics	Fulgent Genetics	Harry Gao, Mickey Li, John Gao, Joseph Fierro, Benafsh Sapra, Becky Tsai, Yan Meng, Doreen Ng, James Xie
EPI_ISL_1234787	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234791, EPI_ISL_1234796, EPI_ISL_1234797	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234798	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234806	County of San Luis Obispo Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234812	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234828	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234837	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234842	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234843	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234847	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234850, EPI_ISL_1234851, EPI_ISL_1234854	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234855	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234857	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234864	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234865, EPI_ISL_1234866, EPI_ISL_1234875, EPI_ISL_1234878, EPI_ISL_1234880, EPI_ISL_1234884	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234887	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234897, EPI_ISL_1234899, EPI_ISL_1234902	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234909	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234913, EPI_ISL_1234917	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234918, EPI_ISL_1234926, EPI_ISL_1234929	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234935	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234937	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234938	County of San Luis Obispo Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234940, EPI_ISL_1234943, EPI_ISL_1234945	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234946	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234954	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234957	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234958, EPI_ISL_1234965	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
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EPI_ISL_1234997	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1234999	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235007, EPI_ISL_1235008, EPI_ISL_1235009, EPI_ISL_1235016	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235017, EPI_ISL_1235019, EPI_ISL_1235020, EPI_ISL_1235024, EPI_ISL_1235031, EPI_ISL_1235038	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235044	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235047, EPI_ISL_1235049	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235057, EPI_ISL_1235058	Orange County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235065, EPI_ISL_1235066, EPI_ISL_1235073, EPI_ISL_1235086, EPI_ISL_1235096, EPI_ISL_1235101, EPI_ISL_1235103, EPI_ISL_1235109, EPI_ISL_1235110, EPI_ISL_1235114, EPI_ISL_1235129, EPI_ISL_1235131, EPI_ISL_1235151, EPI_ISL_1235156, EPI_ISL_1235163, EPI_ISL_1235174, EPI_ISL_1235205, EPI_ISL_1235207, EPI_ISL_1235215, EPI_ISL_1235216, EPI_ISL_1235218, EPI_ISL_1235227, EPI_ISL_1235231, EPI_ISL_1235233, EPI_ISL_1235253, EPI_ISL_1235265, EPI_ISL_1235268, EPI_ISL_1235275, EPI_ISL_1235296, EPI_ISL_1235305, EPI_ISL_1235327, EPI_ISL_1235333, EPI_ISL_1235336, EPI_ISL_1235337, EPI_ISL_1235340, EPI_ISL_1235341, EPI_ISL_1235343, EPI_ISL_1235347, EPI_ISL_1235349, EPI_ISL_1235350, EPI_ISL_1235356	Contra Costa County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
see above	Contra Costa County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235360	CA DPH Viral and Rickettsial Disease Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235362	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235367	CA DPH Viral and Rickettsial Disease Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235370	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235372, EPI_ISL_1235373, EPI_ISL_1235375, EPI_ISL_1235377, EPI_ISL_1235378	CA DPH Viral and Rickettsial Disease Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235379	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235381	CA DPH Viral and Rickettsial Disease Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium
EPI_ISL_1235382	Santa Clara County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciiahub Consortium

EPI_ISL_1254169, EPI_ISL_1254176, EPI_ISL_1254180, EPI_ISL_1254181, EPI_ISL_1254183, EPI_ISL_1254186, EPI_ISL_1254188, EPI_ISL_1254192, EPI_ISL_1254193, EPI_ISL_1254198, EPI_ISL_1254200, EPI_ISL_1254206, EPI_ISL_1254209, EPI_ISL_1254210, EPI_ISL_1254213, EPI_ISL_1254216, EPI_ISL_1254217, EPI_ISL_1254218, EPI_ISL_1254220, EPI_ISL_1254221, EPI_ISL_1254222, EPI_ISL_1254224, EPI_ISL_1254227, EPI_ISL_1254241, EPI_ISL_1254262, EPI_ISL_1254267, EPI_ISL_1254273, EPI_ISL_1254275, EPI_ISL_1254278, EPI_ISL_1254281, EPI_ISL_1254286, EPI_ISL_1254292, EPI_ISL_1254294, EPI_ISL_1254300, EPI_ISL_1254301, EPI_ISL_1254302, EPI_ISL_1254304, EPI_ISL_1254306, EPI_ISL_1254307, EPI_ISL_1254308, EPI_ISL_1254313, EPI_ISL_1254316, EPI_ISL_1254320, EPI_ISL_1254344, EPI_ISL_1254360, EPI_ISL_1254379, EPI_ISL_1254432, EPI_ISL_1254433, EPI_ISL_1254464, EPI_ISL_1254465, EPI_ISL_1254470, EPI_ISL_1254477, EPI_ISL_1254491	see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1261904, EPI_ISL_1261907, EPI_ISL_1261921, EPI_ISL_1261951, EPI_ISL_1262005, EPI_ISL_1262219, EPI_ISL_1262278, EPI_ISL_1262280, EPI_ISL_1262284, EPI_ISL_1262291, EPI_ISL_1262300, EPI_ISL_1262336, EPI_ISL_1262338, EPI_ISL_1262339, EPI_ISL_1262347, EPI_ISL_1262353, EPI_ISL_1262360, EPI_ISL_1262379, EPI_ISL_1262381, EPI_ISL_1262385, EPI_ISL_1262404, EPI_ISL_1262414	see above	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtiao Liu, Eric Allen, Phil Febbo, Summer Galloway, 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, Efen Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1263228, EPI_ISL_1263232, EPI_ISL_1263233, EPI_ISL_1263234, EPI_ISL_1263235		Monterey County Public Health Laboratory	Monterey County Public Health Laboratory	Monterey County Public Health Laboratory
EPI_ISL_1265918, EPI_ISL_1265924, EPI_ISL_1265930, EPI_ISL_1265954, EPI_ISL_1265963, EPI_ISL_1265966, EPI_ISL_1265979, EPI_ISL_1266106, EPI_ISL_1266107, EPI_ISL_1266205, EPI_ISL_1266216, EPI_ISL_1266667, EPI_ISL_1266697, EPI_ISL_1266734, EPI_ISL_1266862, EPI_ISL_1267283, EPI_ISL_1267342, EPI_ISL_1267351, EPI_ISL_1267390, EPI_ISL_1267391, EPI_ISL_1267411, EPI_ISL_1267422, EPI_ISL_1267430, EPI_ISL_1267432, EPI_ISL_1267434, EPI_ISL_1267445, EPI_ISL_1267479, EPI_ISL_1267481	see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1267505, EPI_ISL_1267513, EPI_ISL_1267530, EPI_ISL_1267537, EPI_ISL_1267538, EPI_ISL_1267542, EPI_ISL_1267545, EPI_ISL_1267548, EPI_ISL_1267551, EPI_ISL_1267556, EPI_ISL_1267557, EPI_ISL_1267558, EPI_ISL_1267559, EPI_ISL_1267568, EPI_ISL_1267569, EPI_ISL_1267575, EPI_ISL_1267582, EPI_ISL_1267589, EPI_ISL_1267621, EPI_ISL_1267622, EPI_ISL_1267631, EPI_ISL_1267635, EPI_ISL_1267636, EPI_ISL_1267642, EPI_ISL_1267652, EPI_ISL_1267657, EPI_ISL_1267661, EPI_ISL_1267680, EPI_ISL_1267681, EPI_ISL_1267689, EPI_ISL_1267695, EPI_ISL_1267704, EPI_ISL_1267746, EPI_ISL_1267758, EPI_ISL_1267767, EPI_ISL_1267776, EPI_ISL_1267790, EPI_ISL_1267797, EPI_ISL_1267798, EPI_ISL_1267800, EPI_ISL_1267809, EPI_ISL_1267815, EPI_ISL_1267820, EPI_ISL_1267821, EPI_ISL_1267833, EPI_ISL_1267839, EPI_ISL_1267844, EPI_ISL_1267845, EPI_ISL_1267851, EPI_ISL_1267876, EPI_ISL_1267892, EPI_ISL_1267897, EPI_ISL_1267898, EPI_ISL_1267901, EPI_ISL_1267903, EPI_ISL_1267904, EPI_ISL_1267906, EPI_ISL_1267912, EPI_ISL_1267913, EPI_ISL_1267916, EPI_ISL_1267920, EPI_ISL_1267971, EPI_ISL_1267978, EPI_ISL_1267993, EPI_ISL_1268000, EPI_ISL_1268012, EPI_ISL_1268017, EPI_ISL_1268038, EPI_ISL_1268039, EPI_ISL_1268048, EPI_ISL_1268049, EPI_ISL_1268073, EPI_ISL_1268075, EPI_ISL_1268085, EPI_ISL_1268099, EPI_ISL_1268110, EPI_ISL_1268111, EPI_ISL_1268113, EPI_ISL_1268119, EPI_ISL_1268147, EPI_ISL_1268173, EPI_ISL_1268174, EPI_ISL_1268180, EPI_ISL_1268181, EPI_ISL_1268185, EPI_ISL_1268186, EPI_ISL_1268190, EPI_ISL_1268199, EPI_ISL_1268201, EPI_ISL_1268231, EPI_ISL_1268231, EPI_ISL_1268260, EPI_ISL_1268272, EPI_ISL_1268273, EPI_ISL_1268276, EPI_ISL_1268286, EPI_ISL_1268312, EPI_ISL_1268339, EPI_ISL_1268344, EPI_ISL_1268363, EPI_ISL_1268404, EPI_ISL_1268434, EPI_ISL_1268436, EPI_ISL_1268440, EPI_ISL_1268442, EPI_ISL_1268443, EPI_ISL_1268473, EPI_ISL_1268485, EPI_ISL_1268509, EPI_ISL_1268534, EPI_ISL_1268544, EPI_ISL_1268549, EPI_ISL_1268554, EPI_ISL_1268575, EPI_ISL_1268599, EPI_ISL_1268603, EPI_ISL_1268604, EPI_ISL_1268606, EPI_ISL_1268634, EPI_ISL_1268640, EPI_ISL_1268744, EPI_ISL_1268748, EPI_ISL_1268842, EPI_ISL_1268870, EPI_ISL_1268897, EPI_ISL_1268901, EPI_ISL_1268909, EPI_ISL_1268912, EPI_ISL_1268913, EPI_ISL_1268941, EPI_ISL_1269148, EPI_ISL_1269152, EPI_ISL_1269156, EPI_ISL_1269157, EPI_ISL_1269158, EPI_ISL_1269159, EPI_ISL_1269160, EPI_ISL_1269161, EPI_ISL_1269162, EPI_ISL_1269163, EPI_ISL_1269164, EPI_ISL_1269165, EPI_ISL_1269166, EPI_ISL_1269167, EPI_ISL_1269168, EPI_ISL_1269169, EPI_ISL_1269170, EPI_ISL_1269171, EPI_ISL_1269172, EPI_ISL_1269173, EPI_ISL_1269174, EPI_ISL_1269175, EPI_ISL_1269176, EPI_ISL_1269177, EPI_ISL_1269178, EPI_ISL_1269179, EPI_ISL_1269180, EPI_ISL_1269181, EPI_ISL_1269182, EPI_ISL_1269183, EPI_ISL_1269184, EPI_ISL_1269185, EPI_ISL_1269186, EPI_ISL_1269187, EPI_ISL_1269188	see above	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtiao Liu, Eric Allen, Phil Febbo, Summer Galloway, 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, Efen Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1272873, EPI_ISL_1272874, EPI_ISL_1272875, EPI_ISL_1272876, EPI_ISL_1272877, EPI_ISL_1272878, EPI_ISL_1272879, EPI_ISL_1272891, EPI_ISL_1272892, EPI_ISL_1272893, EPI_ISL_1272894, EPI_ISL_1272895	see above	CA-Los Angeles County Public Health Laboratory	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Krista Queen, Yan Li, Ying Tao, Jing Zhang, Anna Uehara, Anna Montmayeur, Clinton R. Paden, Kristen Knipe, Matthew Schmerer, Shoshona Le, Katie Dillon, Peter W. Cook, Rachel Marine, Mili Sheth, Jasmine Padilla, Sarah Nobles, Mark Burroughs, Lori Rowe, Haibin Wang, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Dhvani Batra, Suxiang Tong, Justin Lee
EPI_ISL_1283377, EPI_ISL_1283443, EPI_ISL_1283456, EPI_ISL_1283639, EPI_ISL_1283692, EPI_ISL_1283707, EPI_ISL_1283742, EPI_ISL_1283831, EPI_ISL_1283862, EPI_ISL_1283864, EPI_ISL_1283882, EPI_ISL_1283906, EPI_ISL_1283935, EPI_ISL_1283952, EPI_ISL_1283990, EPI_ISL_1284006, EPI_ISL_1284264, EPI_ISL_1284385, EPI_ISL_1284410	see above	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtiao Liu, Eric Allen, Phil Febbo, Summer Galloway, 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, Efen Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1291002, EPI_ISL_1291015, EPI_ISL_1291028, EPI_ISL_1291032, EPI_ISL_1291091, EPI_ISL_1291092, EPI_ISL_1291094, EPI_ISL_1291095, EPI_ISL_1291099, EPI_ISL_1291100, EPI_ISL_1291105, EPI_ISL_1291106, EPI_ISL_1291110, EPI_ISL_1291114, EPI_ISL_1291115, EPI_ISL_1291116, EPI_ISL_1291118, EPI_ISL_1291121, EPI_ISL_1291123, EPI_ISL_1291125, EPI_ISL_1291127, EPI_ISL_1291128, EPI_ISL_1291129, EPI_ISL_1291130, EPI_ISL_1291131, EPI_ISL_1291132, EPI_ISL_1291134, EPI_ISL_1291135, EPI_ISL_1291137, EPI_ISL_1291138, EPI_ISL_1291140, EPI_ISL_1291142, EPI_ISL_1291143, EPI_ISL_1291144, EPI_ISL_1291145, EPI_ISL_1291146, EPI_ISL_1291147, EPI_ISL_1291149, EPI_ISL_1291150, EPI_ISL_1291151, EPI_ISL_1291152, EPI_ISL_1291153, EPI_ISL_1291154, EPI_ISL_1291155, EPI_ISL_1291156, EPI_ISL_1291159, EPI_ISL_1291160, EPI_ISL_1291161, EPI_ISL_1291162, EPI_ISL_1291163, EPI_ISL_1291164, EPI_ISL_1291165, EPI_ISL_1291166, EPI_ISL_1291170, EPI_ISL_1291171, EPI_ISL_1291172, EPI_ISL_1291173, EPI_ISL_1291179, EPI_ISL_1291180, EPI_ISL_1291182, EPI_ISL_1291183, EPI_ISL_1291187, EPI_ISL_1291188	see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1291297, EPI_ISL_1291298		Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani 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 Protopoulos, 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_1291400, EPI_ISL_1291420, EPI_ISL_1291433, EPI_ISL_1291438, EPI_ISL_1291451, EPI_ISL_1291480, EPI_ISL_1291482, EPI_ISL_1291541		Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1293334, EPI_ISL_1293335, EPI_ISL_1293340		Quest Diagnostics Incorporated	Respiratory Viruses Branch, Centers for Disease Control and Prevention	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1295646, EPI_ISL_1295647, EPI_ISL_1295648, EPI_ISL_1295649, EPI_ISL_1295650, EPI_ISL_1295651, EPI_ISL_1295652, EPI_ISL_1295653, EPI_ISL_1295654, EPI_ISL_1295655, EPI_ISL_1295656, EPI_ISL_1295657, EPI_ISL_1295658, EPI_ISL_1295659, EPI_ISL_1295660, EPI_ISL_1295661, EPI_ISL_1295662, EPI_ISL_1295663, EPI_ISL_1295664, EPI_ISL_1295665, EPI_ISL_1295666, EPI_ISL_1295667, EPI_ISL_1295668, EPI_ISL_1295669, EPI_ISL_1295670, EPI_ISL_1295671, EPI_ISL_1295672, EPI_ISL_1295673, EPI_ISL_1295674, EPI_ISL_1295675, EPI_ISL_1295676, EPI_ISL_1295677, EPI_ISL_1295678, EPI_ISL_1295679, EPI_ISL_1295680, EPI_ISL_1295681, EPI_ISL_1295682, EPI_ISL_1295683, EPI_ISL_1295684, EPI_ISL_1295685, EPI_ISL_1295686, EPI_ISL_1295687, EPI_ISL_1295688, EPI_ISL_1295689, EPI_ISL_1295690, EPI_ISL_1295691, EPI_ISL_1295692, EPI_ISL_1295693, EPI_ISL_1295694, EPI_ISL_1295695, EPI_ISL_1295696, EPI_ISL_1295697, EPI_ISL_1295698, EPI_ISL_1295699, EPI_ISL_1295700, EPI_ISL_1295701, EPI_ISL_1295702, EPI_ISL_1295703, EPI_ISL_1295704, EPI_ISL_1295705, EPI_ISL_1295706, EPI_ISL_1295707, EPI_ISL_1295708, EPI_ISL_1295709, EPI_ISL_1295710, EPI_ISL_1295711, EPI_ISL_1295712, EPI_ISL_1295713, EPI_ISL_1295714, EPI_ISL_1295715, EPI_ISL_1295716, EPI_ISL_1295717, EPI_ISL_1295718, EPI_ISL_1295719, EPI_ISL_1295720, EPI_ISL_1295721, EPI_ISL_1295722, EPI_ISL_1295723, EPI_ISL_1295724, EPI_ISL_1295725, EPI_ISL_1295726, EPI_ISL_1295727, EPI_ISL_1295728, EPI_ISL_1295729, EPI_ISL_1295730, EPI_ISL_1295731, EPI_ISL_1295732, EPI_ISL_1295733, EPI_ISL_1295734, EPI_ISL_1295735, EPI_ISL_1295736, EPI_ISL_1295737, EPI_ISL_1295738, EPI_ISL_1295739, EPI_ISL_1295740, EPI_ISL_1295741, EPI_ISL_1295742, EPI_ISL_1295743, EPI_ISL_1295744, EPI_ISL_1295745, EPI_ISL_1295746, EPI_ISL_1295747, EPI_ISL_1295748, EPI_ISL_1295749, EPI_ISL_1295750, EPI_ISL_1295751, EPI_ISL_1295752, EPI_ISL_1295753, EPI_ISL_1295754, EPI_ISL_1295755, EPI_ISL_1295756, EPI_ISL_1295757, EPI_ISL_1295758, EPI_ISL_1295759, EPI_ISL_1295761, EPI_ISL_1295763, EPI_ISL_1295764, EPI_ISL_1295766, EPI_ISL_1295768, EPI_ISL_1295769, EPI_ISL_1295771, EPI_ISL_1295772, EPI_ISL_1295773, EPI_ISL_1295774, EPI_ISL_1295775, EPI_ISL_1295776, EPI_ISL_1295777, EPI_ISL_1295778, EPI_ISL_1295779, EPI_ISL_1295780, EPI_ISL_1295781, EPI_ISL_1295782, EPI_ISL_1295783, EPI_ISL_1295784, EPI_ISL_1295786, EPI_ISL_1295787, EPI_ISL_1295789, EPI_ISL_1295790, EPI_ISL_1295791, EPI_ISL_1295792, EPI_ISL_1295793, EPI_ISL_1295794				

see above	Sharp HealthCare Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Aaron Harding, Jacquelyn Berumen, Cathy Woerle, Liam McGinnis, Art Mendoza, Omid Bakhtar
EPI_ISL_1295798, EPI_ISL_1295799, EPI_ISL_1295802, EPI_ISL_1295803, EPI_ISL_1295807, EPI_ISL_1295809, EPI_ISL_1295811, EPI_ISL_1295812	Rady Children's Hospital - San Diego	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Nanda Radamchar, David Dimmock, Linda Luo, Christina Clarke, Kathryn Bouic, Teresa Mueller, Denise Malicki
EPI_ISL_1295815, EPI_ISL_1295816, EPI_ISL_1295817	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_1295820, EPI_ISL_1295855, EPI_ISL_1295857, EPI_ISL_1295858, EPI_ISL_1295859, EPI_ISL_1295860, EPI_ISL_1295868	Sharp HealthCare Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Aaron Harding, Jacquelyn Berumen, Cathy Woerle, Liam McGinnis, Art Mendoza, Omid Bakhtar
EPI_ISL_1297683, EPI_ISL_1297688, EPI_ISL_1297689, EPI_ISL_1297691, EPI_ISL_1297701, EPI_ISL_1297708, EPI_ISL_1297719, EPI_ISL_1297735, EPI_ISL_1297737, EPI_ISL_1297738, EPI_ISL_1297741, EPI_ISL_1297744, EPI_ISL_1297745, EPI_ISL_1297747, EPI_ISL_1297754, EPI_ISL_1297757, EPI_ISL_1297758, EPI_ISL_1297760			
see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1297927, EPI_ISL_1297941, EPI_ISL_1297951, EPI_ISL_1297955, EPI_ISL_1297959, EPI_ISL_1297975, EPI_ISL_1298016, EPI_ISL_1298067, EPI_ISL_1298069, EPI_ISL_1298074, EPI_ISL_1298077, EPI_ISL_1298080, EPI_ISL_1298084, EPI_ISL_1298098, EPI_ISL_1298111, EPI_ISL_1298114, EPI_ISL_1298122, EPI_ISL_1298168, EPI_ISL_1298172, EPI_ISL_1298206			
see above	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, 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, Eren Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1298235	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1298296	Laboratory Corporation of America	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Mino 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 Koli, Brian Krueger, Tim Kuphal, Stanley Letovsky, Michael Levandoski, Craig Lukaski, 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 Tison, Thomas Urban, Joe Voshell, Kimberly Wagner, Jonathan Williams, Mary Williamson, Qian Zeng, Tricia Zwiefelhofer, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
EPI_ISL_1303405	Pomona Valley Hospital Medical Center	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303414	Martin Luther King Jr. Community Hospital	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303416, EPI_ISL_1303417, EPI_ISL_1303418, EPI_ISL_1303419, EPI_ISL_1303421, EPI_ISL_1303422	MD Laboratories	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303425	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303433, EPI_ISL_1303434, EPI_ISL_1303437	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303438, EPI_ISL_1303445, EPI_ISL_1303446	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303452, EPI_ISL_1303453, EPI_ISL_1303454, EPI_ISL_1303456, EPI_ISL_1303457, EPI_ISL_1303459, EPI_ISL_1303460, EPI_ISL_1303461	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303463, EPI_ISL_1303464, EPI_ISL_1303466, EPI_ISL_1303469, EPI_ISL_1303470	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303471	Henry Mayo Newhall Hospital	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303472	Pomona Valley Hospital Medical Center	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303474, EPI_ISL_1303476	Flow Diagnostics Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303480	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303488	Flow Diagnostics Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1303491, EPI_ISL_1303495	USC Clinical Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1314735	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1315073	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_1318377, EPI_ISL_1318378, EPI_ISL_1318379, EPI_ISL_1318380	CA-Los Angeles County Public Health Laboratory	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Krista Queen, Yan Li, Ying Tao, Jing Zhang, Anna Uehara, Anna Montmayeur, Clinton R. Paden, Kristen Knipe, Matthew Scherer, Shoshona Le, Katie Dillon, Peter W. Cook, Rachel Marine, Mili Sheth, Jasmine Padilla, Sarah Nobles, Mark Burroughs, Lori Rowe, Haibin Wang, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Dhvani Batra, Suxiang Tong, Justin Lee
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see above	"CDPH, Viral and Rickettsial Disease Laboratory"	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Krista Queen, Yan Li, Ying Tao, Jing Zhang, Anna Uehara, Anna Montmayeur, Clinton R. Paden, Kristen Knipe, Matthew Scherer, Shoshona Le, Katie Dillon, Peter W. Cook, Rachel Marine, Mili Sheth, Jasmine Padilla, Sarah Nobles, Mark Burroughs, Lori Rowe, Haibin Wang, Ben L. Rambo-Martin, Kristine Lacek, Sam Shepard, Dhvani Batra, Suxiang Tong, Justin Lee
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EPI_ISL_1335915, EPI_ISL_1335973, EPI_ISL_1335987, EPI_ISL_1335993, EPI_ISL_1335995, EPI_ISL_1335996, EPI_ISL_1336068, EPI_ISL_1336087, EPI_ISL_1336092, EPI_ISL_1336094, EPI_ISL_1336104, EPI_ISL_1336105, EPI_ISL_1336106, EPI_ISL_1336157	see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
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EPI_ISL_1340679		Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
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EPI_ISL_1364526		Stanford Health Care	Stanford University School of Medicine, Clinical Virology Laboratory	Daniel Solis, Mamdouh Sibai, Fumiko Yamamoto, Becky Jiang, Malaya K. Sahoo, Michelle Verghese, ChunHong Huang, James Zehnder, and Benjamin A. Pinsky
EPI_ISL_1364729		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, Efrém S. Lim
EPI_ISL_1366291, EPI_ISL_1366292		Sharp HealthCare Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Aaron Harding, Jacquelyn Berumen, Cathy Woerle, Liam McGinnis, Art Mendoza, Omid Bakhtar
EPI_ISL_1366297		Scripps Medical Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Michael Quigley, Ellen Stefanski, Ian Mchardy
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EPI_ISL_1366320		Scripps Medical Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Michael Quigley, Ellen Stefanski, Ian Mchardy
EPI_ISL_1366321		Sharp HealthCare Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Aaron Harding, Jacquelyn Berumen, Cathy Woerle, Liam McGinnis, Art Mendoza, Omid Bakhtar

EPI_ISL_1366322	Scripps Medical Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Michael Quigley, Ellen Stefanski, Ian Mchardy
EPI_ISL_1366323	Sharp HealthCare Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Aaron Harding, Jacquelyn Berumen, Cathy Woerle, Liam McGinnis, Art Mendoza, Omid Bakhtar
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see above	Scripps Medical Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Michael Quigley, Ellen Stefanski, Ian Mchardy
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see above	Sharp HealthCare Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Aaron Harding, Jacquelyn Berumen, Cathy Woerle, Liam McGinnis, Art Mendoza, Omid Bakhtar
EPI_ISL_1366750, EPI_ISL_1366751	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_1367239, EPI_ISL_1367241, EPI_ISL_1367253, EPI_ISL_1367257, EPI_ISL_1367261, EPI_ISL_1367262, EPI_ISL_1367263, EPI_ISL_1367267, EPI_ISL_1367273, EPI_ISL_1367277, EPI_ISL_1367278, EPI_ISL_1367281, EPI_ISL_1367282, EPI_ISL_1367283, EPI_ISL_1367286, EPI_ISL_1367288, EPI_ISL_1367290, EPI_ISL_1367293, EPI_ISL_1367300, EPI_ISL_1367302, EPI_ISL_1367307, EPI_ISL_1367311, EPI_ISL_1367312, EPI_ISL_1367314, EPI_ISL_1367315, EPI_ISL_1367319, EPI_ISL_1367321, EPI_ISL_1367324, EPI_ISL_1367326, EPI_ISL_1367328	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell	
see above	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1373726, EPI_ISL_1373737, EPI_ISL_1373739, EPI_ISL_1373741, EPI_ISL_1373751, EPI_ISL_1373770, EPI_ISL_1373776, EPI_ISL_1373778, EPI_ISL_1373780, EPI_ISL_1373786, EPI_ISL_1373787, EPI_ISL_1373801, EPI_ISL_1373804, EPI_ISL_1373813, EPI_ISL_1373814, EPI_ISL_1373816, EPI_ISL_1373828, EPI_ISL_1373837, EPI_ISL_1373839, EPI_ISL_1373841, EPI_ISL_1373842, EPI_ISL_1373843, EPI_ISL_1373844, EPI_ISL_1373846, EPI_ISL_1373855, EPI_ISL_1373856, EPI_ISL_1373859, EPI_ISL_1373860, EPI_ISL_1373864, EPI_ISL_1373867, EPI_ISL_1373869, EPI_ISL_1373870, EPI_ISL_1373871, EPI_ISL_1373873, EPI_ISL_1373876, EPI_ISL_1373878	CDPH, Viral and Rickettsial Disease Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Brian Lynch, Anna Kelleher, Krista Queen, Anna Uehara, Peter Cook, Han Jia Justin Ng, Clinton R. Paden, Haibin Wang, Suxiang Tong
see above	CDPH, Viral and Rickettsial Disease Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Yan Li, Brian Lynch, Anna Kelleher, Krista Queen, Anna Uehara, Peter Cook, Han Jia Justin Ng, Clinton R. Paden, Haibin Wang, Suxiang Tong
EPI_ISL_1379854	Stanford Health Care	Stanford University School of Medicine, Clinical Virology Laboratory	Mamdouh Sibai, Daniel Solis, Fumiko Yamamoto, Malaya K. Sahoo, Michelle Verghese, ChunHong Huang, James Zehnder, and Benjamin A. Pinsky
EPI_ISL_1379887, EPI_ISL_1379888	Stanford Health Care	Stanford University School of Medicine, Clinical Virology Laboratory	Daniel Solis, Mamdouh Sibai, Fumiko Yamamoto, Becky Jiang, Michelle Verghese, ChunHong Huang, James Zehnder, Malaya K. Sahoo, and Benjamin A. Pinsky
EPI_ISL_1379889	Stanford Health Care	Stanford University School of Medicine, Clinical Virology Laboratory	Michelle Verghese, Becky Jiang, Naomi Iwai, Marilyn Mar, Malaya K. Sahoo, Fumiko Yamamoto, Kenji O. Mfuh, Jacob Miller, Hannah Wang, James Zehnder, and Benjamin A. Pinsky
EPI_ISL_1379958, EPI_ISL_1379962, EPI_ISL_1379963, EPI_ISL_1379964, EPI_ISL_1379965, EPI_ISL_1379966, EPI_ISL_1379967, EPI_ISL_1379968, EPI_ISL_1379969, EPI_ISL_1379970, EPI_ISL_1379972, EPI_ISL_1379973, EPI_ISL_1379974, EPI_ISL_1379975	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
see above	UCLA Clinical Micro Lab	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_1391608	Quest Diagnostics Incorporated	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, 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, Suxiang Tong, Duncan MacCannell
EPI_ISL_1391729, EPI_ISL_1391750, EPI_ISL_1391777, EPI_ISL_1391778, EPI_ISL_1391782, EPI_ISL_1391808, EPI_ISL_1391814, EPI_ISL_1391865, EPI_ISL_1391888, EPI_ISL_1391895, EPI_ISL_1391905, EPI_ISL_1391919, EPI_ISL_1391939, EPI_ISL_1391943, EPI_ISL_1391949, EPI_ISL_1391995	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, 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, Efrén Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
see above	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Peter W. Cook, Dakota Howard, Dhvani Batra, Ben L. Rambo-Martin, Eileen de Feo, Jan Antico, Christine Tran, Matthew Tolentino, Shannon Wickline, Kim Gietzen, Brad Sickler, Jingtao Liu, Eric Allen, Phil Febbo, Summer Galloway, 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, Efrén Sandoval, Magnus Isaksson, William Lee, David Becker, Marc Laurent, James Lu, Clinton R. Paden, Suxiang Tong, Duncan MacCannell
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see above	UCSC Genomics Institute	UCSC Genomics Institute	Mark Akeson, Ikenna Anigbogu, Eric Beraut, Isabel Bjork, Molly Cassatt-Johnstone, Terren Chang, Russell Corbett-Detig, Namrita Dhillon, Maximilian Haeussler, David Hausssler, Angie Hinrichs, Miten Jain, Joshua Kapp, A. Marm Kilpatrick, Jakob McBroome, Hugh Olsen, Jeremy Sanford, Beth Shapiro, Michael Stone, Bryan Thornlow, Yatish Turakhia
EPI_ISL_1406168, EPI_ISL_1406169	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Laboratory	Santa Clara County Public Health Department