

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_415542, EPI_ISL_415544	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
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EPI_ISL_416462	Seattle Flu Study	Seattle Flu Study	Chu et al
EPI_ISL_416643, EPI_ISL_416673, EPI_ISL_416728	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
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EPI_ISL_417095, EPI_ISL_417096, EPI_ISL_417098, EPI_ISL_417108, EPI_ISL_417135, EPI_ISL_417142, EPI_ISL_417148, EPI_ISL_417150, EPI_ISL_417151, EPI_ISL_417156, EPI_ISL_417159, EPI_ISL_417160	see above	Seattle Flu Study	Chu et al
EPI_ISL_417194, EPI_ISL_417196	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jake Garfin and Xiong Wang
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EPI_ISL_419706, EPI_ISL_419708, EPI_ISL_419710, EPI_ISL_419712, EPI_ISL_420020, EPI_ISL_420024, EPI_ISL_420029	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_420095, EPI_ISL_420097	Yale Clinical Virology Laboratory	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Anderson Brito, Tara Alpert, Chantal Vogels, Ellen Foxman, Albert Ko, Marie Landry, Nathan Grubaugh
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EPI_ISL_420803, EPI_ISL_420804, EPI_ISL_420805, EPI_ISL_420806, EPI_ISL_420807, EPI_ISL_420810, EPI_ISL_420813, EPI_ISL_420817, EPI_ISL_420819, EPI_ISL_420820, EPI_ISL_420821, EPI_ISL_420822	see above	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
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EPI_ISL_421562	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
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EPI_ISL_422961, EPI_ISL_422973, EPI_ISL_422999, EPI_ISL_424173, EPI_ISL_424241, EPI_ISL_424244, EPI_ISL_424286, EPI_ISL_424290, EPI_ISL_424307, EPI_ISL_424308, EPI_ISL_424315, EPI_ISL_424318, EPI_ISL_424319, EPI_ISL_424321, EPI_ISL_424322			Fabre, Jose Polanco, Zenab Khan, Bremy Albuquerque, Jayeeta Dutta, Juan Soto, Shwetha Sridhar Hara, Ying-Chih Wang, Melissa Smith, Robert Sebra, Lisa Miorin, Wen-chun Liu, Randy Albrecht, Judith Aberg, Florian Krammer, Adolfo Garcia-Sarstre, Viviana Simon, Harm van Bakel
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EPI_ISL_424354	Dirk Dittmer	Dirk Dittmer	Bailey,A.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W. and Villamor,F.
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EPI_ISL_424848, EPI_ISL_424849	AZ SPHL, Arizona Department of Health Services	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424853, EPI_ISL_424854	FL Bureau of Public Health Laboratories-Miami	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424855	FL Bureau of Public Health Laboratories-Tampa	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424856, EPI_ISL_424857	FL Bur. of Public Health Laboratories-Jacksonville	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424858, EPI_ISL_424860, EPI_ISL_424861, EPI_ISL_424862, EPI_ISL_424863, EPI_ISL_424864	GA Department of Public Health Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424869	MD DOH Laboratories Administration	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424870	MO State Public Health Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424872, EPI_ISL_424873	NC State Laboratory of Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
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EPI_ISL_424881, EPI_ISL_424883, EPI_ISL_424885, EPI_ISL_424886	PA Department of Health, Bureau of Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
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EPI_ISL_424893, EPI_ISL_424894	VA-Division of Consolidated Laboratory Services	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Anna Uehara, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424896, EPI_ISL_424897, EPI_ISL_424899	IA State Hygienic Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Clinton R. Paden, Jing Zhang, Krista Queen, Anna Uehara, Yan Li, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424901	NJ Public Health and Environmental Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Clinton R. Paden, Jing Zhang, Krista Queen, Anna Uehara, Yan Li, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424903, EPI_ISL_424904, EPI_ISL_424905	SC Dept of Health and Env. Control-Bureau of Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Clinton R. Paden, Jing Zhang, Krista Queen, Anna Uehara, Yan Li, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424909, EPI_ISL_424915	MA State Public Health Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Clinton R. Paden, Jing Zhang, Krista Queen, Anna Uehara, Yan Li, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_424943, EPI_ISL_424965	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	María Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Iman Osman, Jared Pinnell, Sitharam Ramaswami, Amy Rapkiewicz, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_424984, EPI_ISL_424985	Bureau of Laboratories, Michigan Department of Health and Human Services	Michigan Department of Health and Human Services	Blankenship HM, Riner D, Soehnlen MK
EPI_ISL_424987	Dirk Dittmer	Dirk Dittmer	Bailey,A.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A.,

EPI_ISL_424990	Bureau of Laboratories, Michigan Department of Health and Human Services	Michigan Department of Health and Human Services	Thompson,C., Vahrson,W. and Villamor.F. Blankenship HM, Riner D, Soehnlén MK
EPI_ISL_425144, EPI_ISL_425146, EPI_ISL_425156, EPI_ISL_425167	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_426052, EPI_ISL_426055, EPI_ISL_426057, EPI_ISL_426059, EPI_ISL_426060, EPI_ISL_426061, EPI_ISL_426064, EPI_ISL_426065, EPI_ISL_426067, EPI_ISL_426068, EPI_ISL_426069, EPI_ISL_426070, EPI_ISL_426074, EPI_ISL_426130	see above	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_426159, EPI_ISL_426160, EPI_ISL_426161	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny
EPI_ISL_426294	Wadsworth Center, New York State Department of Health	Wadsworth Center, New York State Department of Health	Kirsten St. George, Daryl M. Lamson, Sara Griesemer, Jonathan Plitnick, Navjot Singh, Matthew D. Shudt, Erica Lasek-Nesselquist
EPI_ISL_426417, EPI_ISL_426418, EPI_ISL_426419	GA Department of Public Health Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Anna Uehara, Yan Li, Krista Queen, Clinton R. Paden, Rachel Marine, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_426425	MD DOH Laboratories Administration	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Uehara, Clinton R. Paden, Rachel Marine, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_426428	NC State Laboratory of Public Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Uehara, Clinton R. Paden, Rachel Marine, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_426431	OH Department of Health Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Uehara, Clinton R. Paden, Rachel Marine, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_426432	PA Department of Health, Bureau of Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Uehara, Clinton R. Paden, Rachel Marine, Ying Tao, Jing Zhang, Haibin Wang, Mary S. Keckler, Alison S. Laufer Halpin, Christopher A. Elkins, Suxiang Tong
EPI_ISL_426451	WA State Department of Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Jing Zhang, Clinton R. Paden, Krista Queen, Anna Uehara, Yan Li, Haibin Wang, Jessica Jacobs, Denny Russell, Brian Hiatt, Jessica Gant, Suxiang Tong
EPI_ISL_426463, EPI_ISL_426466	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_426485	AZ SPHL, Arizona Department of Health Services	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426500, EPI_ISL_426501, EPI_ISL_426502, EPI_ISL_426504, EPI_ISL_426506, EPI_ISL_426507, EPI_ISL_426508, EPI_ISL_426509, EPI_ISL_426510, EPI_ISL_426511	TGen North	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426512, EPI_ISL_426513, EPI_ISL_426514, EPI_ISL_426515, EPI_ISL_426516, EPI_ISL_426517, EPI_ISL_426519	AZ SPHL, Arizona Department of Health Services	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426521, EPI_ISL_426522, EPI_ISL_426523, EPI_ISL_426526	TGen North	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426527, EPI_ISL_426528, EPI_ISL_426529, EPI_ISL_426530	AZ SPHL, Arizona Department of Health Services	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426534, EPI_ISL_426535, EPI_ISL_426536	TGen North	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426537, EPI_ISL_426538, EPI_ISL_426540, EPI_ISL_426541, EPI_ISL_426542, EPI_ISL_426545, EPI_ISL_426548, EPI_ISL_426549, EPI_ISL_426554, EPI_ISL_426555	AZ SPHL, Arizona Department of Health Services	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426556, EPI_ISL_426557	TGen North	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426559, EPI_ISL_426564, EPI_ISL_426565, EPI_ISL_426566, EPI_ISL_426567, EPI_ISL_426568, EPI_ISL_426569	AZ SPHL, Arizona Department of Health Services	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_426617, EPI_ISL_426621	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Maria Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_427163, EPI_ISL_427165, EPI_ISL_427167, EPI_ISL_427170, EPI_ISL_427172, EPI_ISL_427173, EPI_ISL_427182	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_427272	AZ SPHL, Arizona Department of Health Services	TGen North	Jolene Bowers, Megan Folkerts, Darrin Lemmer, Dave Engelthaler
EPI_ISL_427281, EPI_ISL_427286, EPI_ISL_427287	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin and Xiong Wang
EPI_ISL_427288	The Ohio State University	The Ohio State University-James Molecular Lab at Polaris	Huolin Tu, Preeti Pancholi, Jason Garee, Matthew Hunt, Joan-Miquel Balada-Llasat, Erica Vincent, Weiqiang Zhao, Dan Jones
EPI_ISL_427290	The Ohio State University	The Ohio State University-James Molecular Lab at Polaris	Huolin Tu, Jason Garee, Matthew Hunt, Joan-Miquel Balada-Llasat, Preeti Pancholi, Erica Vincent, Rongqin Ren, Dan Jones
EPI_ISL_427429, EPI_ISL_427430, EPI_ISL_427434, EPI_ISL_427435, EPI_ISL_427437, EPI_ISL_427440, EPI_ISL_427443, EPI_ISL_427446, EPI_ISL_427449, EPI_ISL_427450, EPI_ISL_427456	see above	University of Wisconsin-Madison AIDS Vaccine Research Laboratories	Gage Moreno, Katarina Braun, et al. AIDS Vaccine Research Laboratories
EPI_ISL_427494, EPI_ISL_427495, EPI_ISL_427496, EPI_ISL_427507, EPI_ISL_427511	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Maria Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_427568, EPI_ISL_427574, EPI_ISL_427596,	NewYork-Presbyterian & Mason Lab	Mason Lab	Daniel J. Butler, Christopher Mozsary, Cem Meydan, David Danko, Jonathan Foox, Joel Rosiene, Alon Shaiber, Matthew MacKay, Ebrahim Afshinnekoo,

EPI_ISL_427617			Fritz J. Sedlazeck, Nikolay A. Ivanov, Maria Sierra, Craig D. Westover, Krista Ryon, Benjamin Young, Chandrima Bhattacharya, Phyllis Ruggiero, Justyna Gawrys, Iman Hajirasouliha, Dmitry Meleshko, Mirella Salvatore, Dong Xu, Jenny Xiang, John Siple, Lin Cong, Arryn Craney, Priya Velu, Lars F. Westblade, Massimo Loda, Shawn Levy, Melissa Cushing, Marcin Imielinski, Hanna Rennert, Christopher E. Mason
EPI_ISL_427619, EPI_ISL_427620, EPI_ISL_427621, EPI_ISL_427622	Alaska State Virology Laboratory	Alaska State Virology Laboratory	Chen, J.
EPI_ISL_427635, EPI_ISL_427636, EPI_ISL_427637, EPI_ISL_427638	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Maria Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_428294, EPI_ISL_428306, EPI_ISL_428329, EPI_ISL_428341, EPI_ISL_428371	University of Wisconsin-Madison AIDS Vaccine Research Laboratories Yale Clinical Virology Laboratory	University of Wisconsin-Madison AIDS Vaccine Research Laboratories Grubaugh Lab - Yale School of Public Health	Gage Moreno, Katarina Braun, et al. AIDS Vaccine Research Laboratories Joseph Fauver, Anderson Brito, Tara Alpert, Chantal Vogels, Ellen Foxman, Albert Ko, Marie Landry, Nathan Grubaugh
EPI_ISL_428379, EPI_ISL_428385, EPI_ISL_428387, EPI_ISL_428389, EPI_ISL_428391	Yale COVID-19 Biorepository	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Anne Wyllie, Chantal Vogels, Mary Petrone, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh
EPI_ISL_428732	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_428745, EPI_ISL_428747, EPI_ISL_428751	Yale COVID-19 Biorepository	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Anne Wyllie, Chantal Vogels, Mary Petrone, Cole Jensen, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh
EPI_ISL_428765, EPI_ISL_428778, EPI_ISL_428798	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Maria Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_428994, EPI_ISL_429012, EPI_ISL_429033, EPI_ISL_429045	UCSF Clinical Microbiology Laboratory	Chan-Zuckerberg Biohub	CZB Cliahub Consortium
EPI_ISL_429601, EPI_ISL_429610, EPI_ISL_429638, EPI_ISL_429646, EPI_ISL_429649	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_429844	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond; Paraic A. Kenny
EPI_ISL_429845, EPI_ISL_429846, EPI_ISL_429847, EPI_ISL_429848	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny
EPI_ISL_429969, EPI_ISL_429971, EPI_ISL_429974, EPI_ISL_429975, EPI_ISL_429977, EPI_ISL_429978, EPI_ISL_429981, EPI_ISL_429987	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_430022, EPI_ISL_430024, EPI_ISL_430026, EPI_ISL_430038, EPI_ISL_430039, EPI_ISL_430043, EPI_ISL_430050	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
EPI_ISL_430131, EPI_ISL_430135	Seattle Flu Study	Seattle Flu Study	Chu et al
EPI_ISL_430162, EPI_ISL_430272, EPI_ISL_430281, EPI_ISL_430292, EPI_ISL_430295	Washington State Department of Health	Seattle Flu Study	Chu et al
EPI_ISL_430323, EPI_ISL_430356, EPI_ISL_430366, EPI_ISL_430371, EPI_ISL_430376, EPI_ISL_430394, EPI_ISL_430395, EPI_ISL_430401, EPI_ISL_430404, EPI_ISL_430405, EPI_ISL_430413, EPI_ISL_430417, EPI_ISL_430421, EPI_ISL_430426, EPI_ISL_430428, EPI_ISL_430433, EPI_ISL_430434	see above	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine
EPI_ISL_430891, EPI_ISL_430895, EPI_ISL_430905, EPI_ISL_430908, EPI_ISL_430917, EPI_ISL_430919, EPI_ISL_430921, EPI_ISL_430923, EPI_ISL_430926, EPI_ISL_430932, EPI_ISL_430940, EPI_ISL_430942, EPI_ISL_430947, EPI_ISL_430949, EPI_ISL_430960, EPI_ISL_430961, EPI_ISL_430965, EPI_ISL_430970, EPI_ISL_430980	see above	UW Virology Lab	UW Virology Lab
EPI_ISL_431013	Alaska State Virology Laboratory	Alaska State Virology Laboratory	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_431014, EPI_ISL_431015, EPI_ISL_431017, EPI_ISL_431019	Alaska State Virology Laboratory	Alaska State Virology Laboratory	Jack Chen
EPI_ISL_431080, EPI_ISL_431081, EPI_ISL_431082, EPI_ISL_431083, EPI_ISL_431084, EPI_ISL_431085, EPI_ISL_431086, EPI_ISL_431089, EPI_ISL_431092	Yale COVID-19 Biorepository	Grubaugh Lab - Yale School of Public Health	Jack Chen, Ph.D.
EPI_ISL_434097, EPI_ISL_434100, EPI_ISL_434107, EPI_ISL_434130, EPI_ISL_434206, EPI_ISL_434231	Washington State Department of Health	Seattle Flu Study	Joseph Fauver, Tara Alpert, Anderson Brito, Anne Wyllie, Chantal Vogels, Mary Petrone, Cole Jensen, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh
EPI_ISL_434517, EPI_ISL_434518, EPI_ISL_434519, EPI_ISL_434530	Robert Garry lab	Andersen lab at Scripps Research	Chu et al
EPI_ISL_434586, EPI_ISL_434587	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	Allison Smither, Gilberto Sabino-Santos, Patricia Snarski, Lilia Melnik, Antoinette Bell, Kaylynn Genemaras, Arnaud Drouin, Dahlene Fusco, Robert Garry with SEARCH Alliance San Diego
EPI_ISL_434594, EPI_ISL_434603, EPI_ISL_434604	Virginia DCLS	Virginia DCLS	Peter M. Thielen, Thomas Mehoke, Shirlee Wohl, Srividya Ramakrishnan, Oluwaseun Nwulia-Falade, Amanda Emlund, Melanie Kirsche, Paul Morris, Norah Sadowski, Nidía Trovao, Victoria Gniazdowski, Michael Schatz, Stuart C. Ray, Winston Timp, Heba Mostafa
EPI_ISL_434613	University of Wisconsin-Madison AIDS Vaccine Research Laboratories	University of Wisconsin-Madison AIDS Vaccine Research Laboratories	Virginia DCLS
EPI_ISL_434636	Lednický Laboratory, Emerging Pathogens Institute, University of Florida	Lednický Laboratory at Emerging Pathogens Institute, University of Florida	Gage Moreno, Katarina Braun, et al. AIDS Vaccine Research Laboratories
EPI_ISL_434637	Lednický Laboratory, Emerging Pathogens Institute, University of Florida.	Lednický Laboratory, Emerging Pathogens Institute, University of Florida.	Elbadry, M.A., Subramaniam, K., Waltzek, T.B., Stephenson, C.J., Gibson, J.C., Alam, M., Morris, J.G. Jr. and Lednický, J.A.
EPI_ISL_434638, EPI_ISL_434640	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	Elbadry, M.A.; Subramaniam, K.; Waltzek, T.B.; Gibson, J.C.; Stephenson, C.J.; Morris, J.G. Jr. and Lednický, J.A.
EPI_ISL_434682, EPI_ISL_434683, EPI_ISL_434685, EPI_ISL_434686, EPI_ISL_434689	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	Peter M. Thielen, Thomas Mehoke, Shirlee Wohl, Srividya Ramakrishnan, Oluwaseun Nwulia-Falade, Amanda Emlund, Melanie Kirsche, Paul Morris, Norah Sadowski, Nidía Trovao, Victoria Gniazdowski, Michael Schatz, Stuart C. Ray, Winston Timp, Heba Mostafa

EPI_ISL_434718, EPI_ISL_434724, EPI_ISL_434731, EPI_ISL_434753, EPI_ISL_434764, EPI_ISL_434833, EPI_ISL_434834, EPI_ISL_434851, EPI_ISL_434852, EPI_ISL_434864, EPI_ISL_434867, EPI_ISL_434888, EPI_ISL_434910, EPI_ISL_434911, EPI_ISL_434913, EPI_ISL_434915, EPI_ISL_434918, EPI_ISL_434921, EPI_ISL_434922, EPI_ISL_434941, EPI_ISL_434942, EPI_ISL_434943, EPI_ISL_434948, EPI_ISL_434954, EPI_ISL_434961, EPI_ISL_434966, EPI_ISL_434970, EPI_ISL_434972, EPI_ISL_434973, EPI_ISL_434976, EPI_ISL_434977, EPI_ISL_434982, EPI_ISL_434986, EPI_ISL_434987, EPI_ISL_434998, EPI_ISL_435000, EPI_ISL_435001, EPI_ISL_435002, EPI_ISL_435003, EPI_ISL_435005, EPI_ISL_435006, EPI_ISL_435007, EPI_ISL_435009, EPI_ISL_435010, EPI_ISL_435011, EPI_ISL_435012, EPI_ISL_435013, EPI_ISL_435014, EPI_ISL_435015, EPI_ISL_435016, EPI_ISL_435017, EPI_ISL_435018, EPI_ISL_435019, EPI_ISL_435020, EPI_ISL_435021, EPI_ISL_435022, EPI_ISL_435023, EPI_ISL_435024, EPI_ISL_435028, EPI_ISL_435029, EPI_ISL_435031	see above	Houston Methodist Hospital	Houston Methodist Hospital	S. Wesley Long, Randall J. Olsen, Paul A. Christensen, David W. Bernard, James J. Davis, Maulik Shukla, Marcus Nguyen, Matthew Ojeda Saavedra, Concepcion C. Cantu, Prasanti Yerramilli, Layne Pruitt, Sishir Subedi, Heather Hendrickson, Ghazaleh Eskandari, Muthiah Kumaraswami, Jason S. McLellan, Hakon Jonsson, Kari Stefansson, and James M. Musser
EPI_ISL_435363, EPI_ISL_435377, EPI_ISL_435390 EPI_ISL_435394, EPI_ISL_435397, EPI_ISL_435398, EPI_ISL_435399		Utah Public Health Laboratory Gundersen Molecular Diagnostics Laboratory	Utah Public Health Laboratory Kabara Cancer Research Institute	Erin Young, Kelly Oakeson Craig S. Richmond, Paraic A. Kenny
EPI_ISL_435441, EPI_ISL_435442, EPI_ISL_435443 EPI_ISL_435445, EPI_ISL_435448, EPI_ISL_435449, EPI_ISL_435450, EPI_ISL_435453, EPI_ISL_435465, EPI_ISL_435467		Alaska State Virology Laboratory Robert Garry lab	Alaska State Virology Laboratory Andersen lab at Scripps Research	Jack Chen, Ph.D. Allison Smither, Gilberto Sabino-Santos, Patricia Snarski, Lilia Melnik, Antoinette Bell, Kaylynn Genemaras, Arnaud Drouin, Dahlene Fusco, Robert Garry with SEARCH Alliance San Diego
EPI_ISL_435483, EPI_ISL_435488, EPI_ISL_435496, EPI_ISL_435515, EPI_ISL_435517, EPI_ISL_435519, EPI_ISL_435524, EPI_ISL_435544, EPI_ISL_435546		NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Maria Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Lawrence H. Lin, Raven Luther, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Raquel Ordonez Ciriza, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rappkiewicz, Andre M. Ribeiro-dos-Santos, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_435566		LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center	John A. Vanchiere, Jeremy P. Kamil, Rona S. Scott, Camille F. Abshire, Abida Siddiqi, Byeong-Jae Lee, Chan-ki Min, Md Maksudul Alam, Monica Gestal-Carteel, Edna Ondari, Adam Greer, Malgorzata Bienkowska-Haba, Katarzyna Zwolinska, Jason M. Bodily, Andrew D. Yurochko, Paul M. Weinberger, Christopher G. Kevill, Martin J. Sapp, Daniel J. Snyder, Vaughn S. Cooper
EPI_ISL_435583, EPI_ISL_435586 EPI_ISL_435706		Santa Clara County Public Health Department Yale COVID-19 Biorepository	Chiu Laboratory, University of California, San Francisco Grubaug Lab - Yale School of Public Health	Xiangding Deng, Scot Federman, Wei Gu, Elsa Villarino, Brandon Bonin, Debra A. Wadford, and Charles Y. Chiu Joseph Fauver, Tara Alpert, Anderson Brito, Anne Wyllie, Chantal Vogels, Mary Petrone, Cole Jensen, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh
EPI_ISL_436048, EPI_ISL_436064		NYC Department of Health and Mental Hygiene	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Krista Queen, Christy Harrison, Jennifer Rakeman, Clinton R. Paden, Jing Zhang, Anna Uehara, Yan Li, Haibin Wang, Jasmine Padilla, Justin Lee, Bettina Bankamp, Zachary Weiner, Suxiang Tong
EPI_ISL_436464 EPI_ISL_436467, EPI_ISL_436468, EPI_ISL_436470, EPI_ISL_436471, EPI_ISL_436473, EPI_ISL_436477, EPI_ISL_436481, EPI_ISL_436484, EPI_ISL_436485, EPI_ISL_436492, EPI_ISL_436497, EPI_ISL_436501, EPI_ISL_436502		Alaska State Virology Laboratory UPMC Clinical Laboratory	Alaska State Virology Laboratory Microbial Genome Sequencing Center, Microbial Genomic Epidemiological Laboratory	Jack Chen Dan Snyder, Stephanie L. Mitchell, Mustapha M. Mustapha, Marissa P. Griffith, Vatsala R. Srinivasa, Kady D. Waggle, Chinelo Ezeonwuku, Jane W. Marsh, Lee H. Harrison, Vaughn S. Cooper
EPI_ISL_436584, EPI_ISL_436588, EPI_ISL_436589, EPI_ISL_436600, EPI_ISL_436603, EPI_ISL_436604, EPI_ISL_436605, EPI_ISL_436621, EPI_ISL_436627, EPI_ISL_436635		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_436656, EPI_ISL_436667 EPI_ISL_436803, EPI_ISL_436812, EPI_ISL_436822, EPI_ISL_436842, EPI_ISL_436853, EPI_ISL_436856, EPI_ISL_436884		County of Santa Clara Public Health Department Michigan Department of Health and Human Services, Bureau of Laboratories	Chan-Zuckerberg Biohub Michigan Department of Health and Human Services, Bureau of Laboratories	CZB Cliahub Consortium Blankenship HM, Riner D, Soehnlén MK
EPI_ISL_436895, EPI_ISL_436896, EPI_ISL_436900 EPI_ISL_436915, EPI_ISL_436937 EPI_ISL_436959		Gundersen Molecular Diagnostics Laboratory Utah Public Health Laboratory Ochsner Health	Kabara Cancer Research Institute Utah Public Health Laboratory Bioinfoexperts, LLC	Craig S. Richmond, Paraic A. Kenny Erin Young, Kelly Oakeson Amy Feehan, David J. Nolan, Rebecca Rose, Sissy Cross, David Moraga Amador, Tong Yang, Luke Caruso, Wayra Navia, Lydia Von Borstel, Xiao Hui Zhou, Julia Garcia-Diaz, Susanna L. Lamers
EPI_ISL_437361, EPI_ISL_437364, EPI_ISL_437368, EPI_ISL_437374 EPI_ISL_437398, EPI_ISL_437410, EPI_ISL_437419, EPI_ISL_437429		Minnesota Department of Health, Public Health Laboratory Virginia DCLS	Minnesota Department of Health, Public Health Laboratory Virginia DCLS	Matt Plumb, Jacob Garfin, and Xiong Wang Virginia DCLS
EPI_ISL_437437, EPI_ISL_437514, EPI_ISL_437515, EPI_ISL_437516, EPI_ISL_437518 EPI_ISL_437521, EPI_ISL_437523, EPI_ISL_437524, EPI_ISL_437535		Alaska State Virology Laboratory OHSU Lab Services Molecular Microbiology Lab	Alaska State Virology Laboratory Oregon SARS-CoV-2 Genome Sequencing Center	Jack Chen, Ph.D. Brendan L. O'Connell, Ruth V. Nichols, Alec J. Hirsch, Guang Fan, Daniel N. Streblow, William B. Messer, Andrew C. Adey, Benjamin N. Bimber, Brian J. O'Roak
EPI_ISL_437546, EPI_ISL_437547 EPI_ISL_437554 EPI_ISL_437763, EPI_ISL_437765, EPI_ISL_437772, EPI_ISL_437773, EPI_ISL_437777, EPI_ISL_437797, EPI_ISL_437800, EPI_ISL_437802		Robert Garry lab Scripps Medical Laboratory Virginia DCLS	Andersen lab at Scripps Research Andersen lab at Scripps Research Virginia DCLS	Allison Smither, Gilberto Sabino-Santos, Patricia Snarski, Lilia Melnik, Antoinette Bell, Kaylynn Genemaras, Arnaud Drouin, Dahlene Fusco, Robert Garry with SEARCH Alliance San Diego SEARCH Alliance San Diego with Michael Quigley, Ellen Stefanski, Ian Mchardy Virginia DCLS
EPI_ISL_437826, EPI_ISL_437828, EPI_ISL_437830, EPI_ISL_437831, EPI_ISL_437832, EPI_ISL_437833, EPI_ISL_437835, EPI_ISL_437836, EPI_ISL_437837, EPI_ISL_437838, EPI_ISL_437870, EPI_ISL_437871, EPI_ISL_437872		see above	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Keith Jerome, Alexander Greninger
EPI_ISL_437873 EPI_ISL_438159		Alaska State Virology Laboratory Seattle Flu Study	Alaska State Virology Laboratory Seattle Flu Study	Jack Chen, Ph.D. Chu et al
EPI_ISL_438176, EPI_ISL_438205, EPI_ISL_438209 EPI_ISL_438222, EPI_ISL_438224, EPI_ISL_438225, EPI_ISL_438226, EPI_ISL_438233, EPI_ISL_438234 EPI_ISL_438235, EPI_ISL_438240, EPI_ISL_438246		Washington State Department of Health Johns Hopkins Hospital Department of Pathology Johns Hopkins Hospital Department of Pathology	Seattle Flu Study Johns Hopkins Hospital Department of Pathology Johns Hopkins Hospital Department of Pathology	Chu et al Peter M. Thielen, Thomas Mehoke, Shirlee Wohl, Srividya Ramakrishnan, Melanie Kirsche, Amanda Ertlund, Oluwaseun Falade-Nwulia, Timothy Gilpatrick, Paul Morris, Norah Sadowski, N. d. Trovao, Victoria Gniazdowski, Michael Schatz, Stuart C. Ray, Winston Timp, Heba Mostafa Peter M. Thielen, Thomas Mehoke, Shirlee Wohl, Srividya Ramakrishnan, Melanie Kirsche, Amanda Ertlund, Oluwaseun Falade-Nwulia, Timothy Gilpatrick, Paul Morris, Norah Sadowski, Nidia Trovao, Victoria Gniazdowski, Michael Schatz, Stuart C. Ray, Winston Timp, Heba Mostafa
EPI_ISL_443183, EPI_ISL_443254, EPI_ISL_443256 EPI_ISL_444022		M Health Fairview Baylor College of Medicine	University of Minnesota Genomics Center Baylor College of Medicine: HGSC	Daryl M. Gohl, John Garbe, Patrick Grady, Jerry Daniel, Ray Watson, Benjamin Auch, Andrew Nelson, Sophia Yohe, and Kenneth B. Beckman Vasanthi Avadhanula, Erin Nicholson, David Henke, Pedro Piedra, Harsha Doddapaneni, Donna Muzny, Qingchang Meng, Hsu Chao, Zeineen Momin,

			Hua Shen, George Weissenberger, Kavya Kottapalli, Yimiti Meiheergui, Sejal Salvi, Ginger Metcalf, Vipin Menon, Sara J.J. Cregeen, Matthew C. Ross, Tulin Ayyaz, Richard Succgang, Kristi L. Hoffman, Matthew Wong, Joseph F. Petrosino
EPI_ISL_444070	UCSF Clinical Microbiology Laboratory	Chan-Zuckerberg Biohub	CZB Ciliahub Consortium
EPI_ISL_444455	Molecular Infectious Disease	Molecular Infectious Disease	Anderson,B.P., Rosenthal,S.H., Gerasimova,A., Kagan,R.M. and Owen.R.
EPI_ISL_444523, EPI_ISL_444552, EPI_ISL_444555, EPI_ISL_444556, EPI_ISL_444560, EPI_ISL_444567, EPI_ISL_444569, EPI_ISL_444575, EPI_ISL_444578, EPI_ISL_444580, EPI_ISL_444583, EPI_ISL_444586, EPI_ISL_444588, EPI_ISL_444589, EPI_ISL_444593, EPI_ISL_444594, EPI_ISL_444596, EPI_ISL_444598, EPI_ISL_444601, EPI_ISL_444604, EPI_ISL_444605, EPI_ISL_444607			
see above	Northwestern Memorial Hospital	Ozer Lab	Ramon Lorenzo-Redondo, Hannah H. Nam, Scott C. Roberts, Lacy M. Simons, Chad J. Achenbach, Lawrence J. Jennings, Chao Qi, Alan R. Hauser, Michael G. Ison, Judd F. Hultquist, Egon A. Ozer
EPI_ISL_444619, EPI_ISL_444643, EPI_ISL_444651, EPI_ISL_444655, EPI_ISL_444670, EPI_ISL_444688, EPI_ISL_444690, EPI_ISL_444696, EPI_ISL_444715, EPI_ISL_444742, EPI_ISL_444744, EPI_ISL_444754, EPI_ISL_444755, EPI_ISL_444759, EPI_ISL_444770, EPI_ISL_444772, EPI_ISL_444780, EPI_ISL_444786			
see above	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	María Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Alireza Khodadadi-Jamayran, Lawrence H. Lin, Raven Luther, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Raquel Ordóñez Ciriza, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, André M. Ribeiro-dos-Santos, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_444995	Naval Health Research Center	Naval Medical Research Center Biological Defense Research Directorate	Logan Voegtly, Regina Cer, Dessiree Pena-Gomez, Adrian Paskey, Kyle Long, Roger Pan, Melinda Balansay-Ames, Chris Myers, Ewell Hollis, Nathaniel Christy, Kimberly Bishop-Lilly
EPI_ISL_445078	Baylor College of Medicine	Baylor College of Medicine: HGSC	Vasanthi Avadhanula, Erin Nicholson, David Henke, Pedro Piedra, Harsha Doddapaneni, Donna Muzny, Qingchang Meng, Hsu Chao, Zeineen Momin, Hua Shen, George Weissenberger, Kavya Kottapalli, Yimiti Meiheergui, Sejal Salvi, Ginger Metcalf, Vipin Menon, Sara J.J. Cregeen, Matthew C. Ross, Tulin Ayyaz, Richard Succgang, Kristi L. Hoffman, Matthew Wong, Joseph F. Petrosino
EPI_ISL_445118	Rady's Childrens Hospital	Andersen lab at Scripps Research	SEARCH Alliance San Diego
EPI_ISL_445124, EPI_ISL_445126, EPI_ISL_445130, EPI_ISL_445131, EPI_ISL_445134, EPI_ISL_445136, EPI_ISL_445137, EPI_ISL_445138, EPI_ISL_445141, EPI_ISL_445145, EPI_ISL_445147			
see above	Robert Garry lab	Andersen lab at Scripps Research	Allison Smither, Gilberto Sabino-Santos, Patricia Snarski, Lilia Melnik, Antoinette Bell, Kaylynn Genemaras, Arnaud Drouin, Dahlene Fusco, Robert Garry with SEARCH Alliance San Diego
EPI_ISL_445177	UCSF Clinical Microbiology Laboratory	Chan-Zuckerberg Biohub	CZB Ciliahub Consortium
EPI_ISL_447093, EPI_ISL_447105, EPI_ISL_447107, EPI_ISL_447115, EPI_ISL_447168, EPI_ISL_447193, EPI_ISL_447196, EPI_ISL_447212, EPI_ISL_447228	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlén MK
EPI_ISL_447588	Lednický Lab	Lednický lab	Elbadry,M.A., Subramaniam,K., Waltzek,T.B., Gibson,J.C., Stephenson,C.J., Alam,M.M., Morris,J.G. Jr. and Lednický,J.A.
EPI_ISL_447841	FL Bureau of Public Health Laboratories-Tampa	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Uehara, Jing Zhang, Ying Tao, Clinton R. Paden, Haibin Wang, Jasmine Padilla, Mary S. Keckler, Alison S. Laufer Halpin, Justin Lee, Christopher A. Elkins, Suxiang Tong
EPI_ISL_447842	IA State Hygienic Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Uehara, Jing Zhang, Ying Tao, Clinton R. Paden, Haibin Wang, Jasmine Padilla, Mary S. Keckler, Alison S. Laufer Halpin, Justin Lee, Christopher A. Elkins, Suxiang Tong
EPI_ISL_447843	MD DOH Laboratories Administration	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Uehara, Jing Zhang, Ying Tao, Clinton R. Paden, Haibin Wang, Jasmine Padilla, Mary S. Keckler, Alison S. Laufer Halpin, Justin Lee, Christopher A. Elkins, Suxiang Tong
EPI_ISL_447892	University of California, Davis	Chan-Zuckerberg Biohub	CZB Ciliahub Consortium
EPI_ISL_447903	University of Florida	University of Florida	Elbadry,M.A., Subramaniam,K., Waltzek,T.B., Lauzardo,M., Gibson,J.C., Stephenson,C.J., Alam,M.M., Morris,J.G. Jr. and Lednický,J.A.
EPI_ISL_449804, EPI_ISL_449809, EPI_ISL_449822, EPI_ISL_449833	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
EPI_ISL_449864, EPI_ISL_449873, EPI_ISL_449909, EPI_ISL_449945, EPI_ISL_449962	Washington State Department of Health	Seattle Flu Study	Chu et al
EPI_ISL_450005, EPI_ISL_450048, EPI_ISL_450049, EPI_ISL_450075, EPI_ISL_450134, EPI_ISL_450151	MSHS Clinical Microbiology Laboratories	MSHS Pathogen Surveillance Program	Ana S. Gonzalez-Reiche, Mitchell Sullivan, Ajay Obla, Gopi Patel, Emilia Sordillo, Melissa Gitman, Alberto Paniz-mondolfi, Matthew Hernandez, Sheldie Fabre, Jose Polanco, Zenab Khan, Bremy Albuquerque, Jayeeta Dutta, Juan Soto, Shwetha Sridhar Hara, Ying-Chih Wang, Melissa Smith, Robert Sebra, Lisa Miorin, Wen-chun Liu, Randy Albrecht, Judith Aberg, Florian Krammer, Adolfo Garcia-Sastre, Viviana Simon, Harm van Bakel
EPI_ISL_450175, EPI_ISL_450231	Robert Garry lab	Andersen lab at Scripps Research	Allison Smither, Gilberto Sabino-Santos, Patricia Snarski, Lilia Melnik, Antoinette Bell, Kaylynn Genemaras, Arnaud Drouin, Dahlene Fusco, Robert Garry with SEARCH Alliance San Diego
EPI_ISL_450399	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	María Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Alireza Khodadadi-Jamayran, Lawrence H. Lin, Raven Luther, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Raquel Ordóñez Ciriza, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, André M. Ribeiro-dos-Santos, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_450454	Stanford clinical virology lab	Chan-Zuckerberg Biohub	Benjamin Pinsky, Katharine Walter, Victoria N. Parikh, John Gorzynski, Hannah N. DeJong, Matthew T. Wheeler, Jason Andrews, Manuel Rivas, Carlos Bustamante, Euan Ashley, with CZB Ciliahub Consortium
EPI_ISL_450539, EPI_ISL_450543, EPI_ISL_450554, EPI_ISL_450564	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
EPI_ISL_450703, EPI_ISL_450705, EPI_ISL_450709, EPI_ISL_450711, EPI_ISL_450712, EPI_ISL_450714, EPI_ISL_450715, EPI_ISL_450719, EPI_ISL_450720, EPI_ISL_450722	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_450754, EPI_ISL_450759, EPI_ISL_450762, EPI_ISL_450765, EPI_ISL_450768, EPI_ISL_450770, EPI_ISL_450772, EPI_ISL_450773	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang
EPI_ISL_450801	Georgia Department of Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Haibin Wang, Zachary Weiner, Bettina Bankamp, Suxiang Tong
EPI_ISL_450802	PA Department of Health, Bureau of Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Haibin Wang, Zachary Weiner, Bettina Bankamp, Suxiang Tong
EPI_ISL_451203, EPI_ISL_451207, EPI_ISL_451209, EPI_ISL_451214	LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center	Jeremy P. Kamil, John A. Vanchiere, Rona S. Scott, Camille F. Abshire, Abida Siddiq, Byeong-Jae Lee, Chan-ki Min, Md Maksudul Alam, Monica Gestal-Carteles, Edna Ondari, Adam Greer, Malgorzata Bienkowska-Haba, Katarzyna Zwolinska, Jason M. Bodily, Andrew D. Yurochko, Paul M.

EPI_ISL_451231, EPI_ISL_451236, EPI_ISL_451244, EPI_ISL_451246, EPI_ISL_451247	LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center	Weinberger, Christopher G. Kevill, Martin J. Sapp, Daniel J. Snyder, Vaughn S. Cooper John A. Vanchiere, Jeremy P. Kamil, Rona S. Scott, Camille F. Abshire, Abida Siddiq, Byeong-Jae Lee, Chan-ki Min, Md Maksudul Alam, Monica Gestal-Carteles, Edna Ondari, Adam Greer, Malgorzata Bienkowska-Haba, Katarzyna Zwolinska, Jason M. Bodily, Andrew D. Yurochko, Paul M. Weinberger, Christopher G. Kevill, Martin J. Sapp, Daniel J. Snyder, Vaughn S. Cooper
EPI_ISL_451248, EPI_ISL_451249, EPI_ISL_451251, EPI_ISL_451253, EPI_ISL_451254, EPI_ISL_451255, EPI_ISL_451257, EPI_ISL_451259, EPI_ISL_451265, EPI_ISL_451268, EPI_ISL_451270, EPI_ISL_451271, EPI_ISL_451272, EPI_ISL_451278, EPI_ISL_451279, EPI_ISL_451287	see above	LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center Jeremy P. Kamil, John A. Vanchiere, Rona S. Scott, Camille F. Abshire, Abida Siddiq, Byeong-Jae Lee, Chan-ki Min, Md Maksudul Alam, Monica Gestal-Carteles, Edna Ondari, Adam Greer, Malgorzata Bienkowska-Haba, Katarzyna Zwolinska, Jason M. Bodily, Andrew D. Yurochko, Paul M. Weinberger, Christopher G. Kevill, Martin J. Sapp, Daniel J. Snyder, Vaughn S. Cooper
EPI_ISL_451430, EPI_ISL_451444, EPI_ISL_451451, EPI_ISL_451476	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Maria Aguero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Alireza Khodadadi-Jamayran, Lawrence H. Lin, Raven Luther, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Raquel Ordonez Ciriza, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, Andre M. Ribeiro-dos-Santos, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_452106	LA Office of Public Health Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452108	MN Department of Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452109	NM Department of Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452110, EPI_ISL_452111	FL Bureau of Public Health Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452113	MN Department of Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452116, EPI_ISL_452117	NJ Public Health and Environmental Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452118	AZ SPHL, Arizona Department of Health Services	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Yan Li, Anna Montmayeur, Ying Tao, Krista Queen, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452120, EPI_ISL_452125	Georgia Department of Health	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Jing Zhang, Anna Montmayeur, Yan Li, Ying Tao, Krista Queen, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452132	FL Bureau of Public Health Laboratories	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Krista Queen, Yan Li, Anna Montmayeur, Ying Tao, Jing Zhang, Anna Uehara, Clinton R. Paden, Rachel Marine, Mary S. Keckler, Alison S. Laufer Halpin, Haibin Wang, Christopher A. Elkins, Zachary Weiner, Suxiang Tong
EPI_ISL_452168, EPI_ISL_452171	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
EPI_ISL_452272, EPI_ISL_452284, EPI_ISL_452305, EPI_ISL_452322	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlén MK
EPI_ISL_452802, EPI_ISL_452813, EPI_ISL_452815, EPI_ISL_452823, EPI_ISL_452828, EPI_ISL_452830, EPI_ISL_452833	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_454354	UPMC Clinical Microbiology Laboratory	Microbial Genome Sequencing Center; Microbial Genomic Epidemiology Laboratory, University of Pittsburgh	Mustapha M. Mustapha, Jane W. Marsh, Dan Snyder, Marissa P. Griffith, Stephanie L. Mitchell, Vatsala R. Srinivasa, Kady D. Waggle, Chinelo Ezeonwuku, Vaughn S. Cooper, Lee H. Harrison
EPI_ISL_454356, EPI_ISL_454357, EPI_ISL_454358, EPI_ISL_454360, EPI_ISL_454361, EPI_ISL_454362, EPI_ISL_454363, EPI_ISL_454364, EPI_ISL_454366, EPI_ISL_454367, EPI_ISL_454370, EPI_ISL_454372, EPI_ISL_454373, EPI_ISL_454374, EPI_ISL_454376, EPI_ISL_454378, EPI_ISL_454379, EPI_ISL_454380, EPI_ISL_454381, EPI_ISL_454387, EPI_ISL_454399, EPI_ISL_454401, EPI_ISL_454403, EPI_ISL_454404, EPI_ISL_454407, EPI_ISL_454409, EPI_ISL_454410, EPI_ISL_454411	see above	UPMC Clinical Microbiology Laboratory	Microbial Genome Sequencing Center, Microbial Genomic Epidemiological Laboratory Mustapha M. Mustapha, Jane W. Marsh, Dan Snyder, Marissa P. Griffith, Stephanie L. Mitchell, Vatsala R. Srinivasa, Kady D. Waggle, Chinelo Ezeonwuku, Vaughn S. Cooper, Lee H. Harrison
EPI_ISL_454414, EPI_ISL_454415	Dirk Dittmer	Dirk Dittmer	Bailey,A.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W., Villamor,F.
EPI_ISL_454431, EPI_ISL_454435	Maryland Department of Health Laboratories Administration	Maryland Department of Health Laboratories Administration	MDH Laboratories Administration
EPI_ISL_454638	Humboldt County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Cilahub Consortium
EPI_ISL_454642	CT-Dr. Katherine A. Kelley State Public Health Lab	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Jing Zhang, Ying Tao, Clinton R. Paden, Anna Uehara, Krista Queen, Yan Li, Haibin Wang, Zachary Weiner, Bettina Bankamp, Suxiang Tong
EPI_ISL_454646	City of El Paso Department of Public Health Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Ying Tao, Clinton R. Paden, Jing Zhang, Anna Uehara, Krista Queen, Yan Li, Haibin Wang, Zachary Weiner, Michael Bowen, Suxiang Tong
EPI_ISL_454672, EPI_ISL_454687	County of Santa Clara Public Health Department	Chan-Zuckerberg Biohub	CZB Cilahub Consortium
EPI_ISL_454690	Emory Molecular Diagnostics Laboratory, Emory Healthcare	Piantadosi Lab, Emory Department of Pathology	Ahmed Babiker, Anne Piantadosi
EPI_ISL_454707, EPI_ISL_454710, EPI_ISL_454714, EPI_ISL_454722, EPI_ISL_454728	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
EPI_ISL_454796, EPI_ISL_454798, EPI_ISL_454799, EPI_ISL_454800, EPI_ISL_454803, EPI_ISL_454804, EPI_ISL_454806, EPI_ISL_454807, EPI_ISL_454808, EPI_ISL_454809, EPI_ISL_454810, EPI_ISL_454811, EPI_ISL_454812, EPI_ISL_454813, EPI_ISL_454814, EPI_ISL_454815, EPI_ISL_454816, EPI_ISL_454817, EPI_ISL_454818, EPI_ISL_454819, EPI_ISL_454820, EPI_ISL_454821, EPI_ISL_454822, EPI_ISL_454824, EPI_ISL_454825, EPI_ISL_454827, EPI_ISL_454828, EPI_ISL_454829	see above	Dirk Dittmer	Dirk Dittmer Bailey,A.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W., Villamor,F.

EPI_ISL_455355, EPI_ISL_455356, EPI_ISL_455358, EPI_ISL_455359, EPI_ISL_455360, EPI_ISL_455361	Emory Molecular Diagnostics Laboratory, Emory Healthcare	Piantadosi Lab, Emory Department of Pathology	Ahmed Babiker, Anne Piantadosi	
EPI_ISL_455568, EPI_ISL_455569, EPI_ISL_455571, EPI_ISL_455572	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny	
EPI_ISL_455574	Gundersen Clinical Microbiology Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny	
EPI_ISL_455578	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny	
EPI_ISL_455581, EPI_ISL_455582	Gundersen Clinical Microbiology Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny	
EPI_ISL_455618	Ochsner Health	Bioinfoexperts, LLC	Susanna L. Lamers, David J. Nolan, Rebecca Rose, Sissy Cross, David Moraga Amador, Tong Yang, Luke Caruso, Wayra Navia, Lydia Von Borstel, Xiao Hui Zhou, Amy Feehan, Julia-Garcia-Diaz	
EPI_ISL_455981, EPI_ISL_455982, EPI_ISL_455983, EPI_ISL_455984, EPI_ISL_455988	LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center	Jeremy P. Kamil, John A. Vanchiere, Rona S. Scott, Camille F. Abshire, Abida Siddiqua, Byeong-Jae Lee, Chan-ki Min, Md Maksudul Alam, Monica Gestal-Cartele, Edna Ondari, Adam Greer, Malgorzata Bienkowska-Haba, Katarzyna Zwolinska, Michelle M. Arnold, Jason M. Bodily, Andrew D. Yurochko, Paul M. Weinberger, Christopher G. Kevil, Martin J. Sapp, Daniel J. Snyder, Vaughn S. Cooper	
EPI_ISL_455990, EPI_ISL_455991, EPI_ISL_455993	LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center	John A. Vanchiere, Jeremy P. Kamil, Rona S. Scott, Camille F. Abshire, Abida Siddiqua, Byeong-Jae Lee, Chan-ki Min, Md Maksudul Alam, Monica Gestal-Cartele, Edna Ondari, Adam Greer, Malgorzata Bienkowska-Haba, Katarzyna Zwolinska, Michelle M. Arnold, Jason M. Bodily, Andrew D. Yurochko, Paul M. Weinberger, Christopher G. Kevil, Martin J. Sapp, Daniel J. Snyder, Vaughn S. Cooper	
EPI_ISL_456002	LSUHS Emerging Viral Threat Laboratory	Microbial Genome Sequencing Center	Rona S. Scott, Jeremy P. Kamil, John A. Vanchiere, Camille F. Abshire, Abida Siddiqua, Byeong-Jae Lee, Chan-ki Min, Md Maksudul Alam, Monica Gestal-Cartele, Edna Ondari, Adam Greer, Malgorzata Bienkowska-Haba, Katarzyna Zwolinska, Michelle M. Arnold, Jason M. Bodily, Andrew D. Yurochko, Paul M. Weinberger, Christopher G. Kevil, Martin J. Sapp, Daniel J. Snyder, Vaughn S. Cooper	
EPI_ISL_456011, EPI_ISL_456020, EPI_ISL_456113	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	María Aguero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Alireza Khodadadi-Jamalyan, Lawrence H. Lin, Raven Luther, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Raquel Ordonez Ciriza, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, Andre M. Ribeiro-dos-Santos, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderi, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang	
EPI_ISL_457752, EPI_ISL_457754, EPI_ISL_457766, EPI_ISL_457768, EPI_ISL_457769, EPI_ISL_457783, EPI_ISL_457787, EPI_ISL_457789, EPI_ISL_457791, EPI_ISL_457792, EPI_ISL_457793, EPI_ISL_457794, EPI_ISL_457795, EPI_ISL_457796, EPI_ISL_457797, EPI_ISL_457798, EPI_ISL_457799, EPI_ISL_457800, EPI_ISL_457801, EPI_ISL_457802, EPI_ISL_457803, EPI_ISL_457804, EPI_ISL_457805, EPI_ISL_457806, EPI_ISL_457807, EPI_ISL_457808, EPI_ISL_457811, EPI_ISL_457812, EPI_ISL_457813, EPI_ISL_457816, EPI_ISL_457817, EPI_ISL_457818, EPI_ISL_457819, EPI_ISL_457820, EPI_ISL_457821	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	Peter M. Thielen, Thomas Mehoke, Shirlee Wohl, Srividya Ramakrishnan, Melanie Kirsche, Amanda Erlund, Craig Howser, Kristina Zudock, Oluwaseun Falade-Nwulia, Norah Sadowski, Paul Morris, Mark Hopkins, Yunfan Fan, Nidia Trovao, Victoria Gniazdowski, Michael C. Schatz, Stuart C. Ray, Winston Timp, Heba H. Mostafa	
see above	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	Peter M. Thielen, Thomas Mehoke, Shirlee Wohl, Srividya Ramakrishnan, Melanie Kirsche, Amanda Erlund, Craig Howser, Kristina Zudock, Oluwaseun Falade-Nwulia, Norah Sadowski, Paul Morris, Mark Hopkins, Yunfan Fan, Nidia Trovao, Victoria Gniazdowski, Michael C. Schatz, Stuart C. Ray, Winston Timp, Heba H. Mostafa	
EPI_ISL_458002, EPI_ISL_458003, EPI_ISL_458006	Dirk Dittmer	Dirk Dittmer	Bailey,A.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W., Villamor,F.	
EPI_ISL_458007	Dirk Dittmer	Dirk Dittmer	Aubrey,B.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W., Villamor,F.	
EPI_ISL_458252	Scripps Medical Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Michael Quigley, Ellen Stefanski, Ian Mchardy	
EPI_ISL_458291	Dirk Dittmer	Dirk Dittmer	Bailey,A.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W., Villamor,F.	
EPI_ISL_458292, EPI_ISL_458293	Dirk Dittmer	Dirk Dittmer	Aubrey,B.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W., Villamor,F.	
EPI_ISL_458294, EPI_ISL_458295, EPI_ISL_458296	Dirk Dittmer	Dirk Dittmer	Bailey,A.G., Caro-Vegas,C.P., Dittmer,D., Eason,A.B., Juarez,A., Landis,J.T., McNamara,R.P., Miller,M.B., Moorad,R., Pluta,L.J., Seltzer,T.A., Thompson,C., Vahrson,W., Villamor,F.	
EPI_ISL_459998, EPI_ISL_460018, EPI_ISL_460026, EPI_ISL_460034	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlén MK	
EPI_ISL_460050, EPI_ISL_460058, EPI_ISL_460059, EPI_ISL_460068, EPI_ISL_460078	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang	
EPI_ISL_460100, EPI_ISL_460102, EPI_ISL_460107, EPI_ISL_460115, EPI_ISL_460123, EPI_ISL_460124, EPI_ISL_460125, EPI_ISL_460133, EPI_ISL_460137, EPI_ISL_460138, EPI_ISL_460140, EPI_ISL_460153, EPI_ISL_460170, EPI_ISL_460177, EPI_ISL_460183, EPI_ISL_460187, EPI_ISL_460191, EPI_ISL_460198, EPI_ISL_460206, EPI_ISL_460211, EPI_ISL_460221, EPI_ISL_460230, EPI_ISL_460238, EPI_ISL_460242, EPI_ISL_460257, EPI_ISL_460265, EPI_ISL_460268, EPI_ISL_460277, EPI_ISL_460279, EPI_ISL_460282, EPI_ISL_460311, EPI_ISL_460319, EPI_ISL_460331, EPI_ISL_460344, EPI_ISL_460348, EPI_ISL_460349, EPI_ISL_460350, EPI_ISL_460352, EPI_ISL_460363, EPI_ISL_460365, EPI_ISL_460372, EPI_ISL_460376, EPI_ISL_460380, EPI_ISL_460383, EPI_ISL_460386, EPI_ISL_460392, EPI_ISL_460395, EPI_ISL_460396, EPI_ISL_460400, EPI_ISL_460403, EPI_ISL_460418, EPI_ISL_460419, EPI_ISL_460422, EPI_ISL_460430, EPI_ISL_460457	see above	Massachusetts General Hospital	Infectious Disease Program, Broad Institute of Harvard and MIT	Lemieux,J.E., Siddle,K.J., Shaw,B., Adams,G., Pierce,V., Turbett,S., Anahtar,M., Branda,J., Slater,D., Harris,J., Lin,A.E., Gladden-Young,A., Lagerborg,K., Rudy,M., DeRuff,K., Carter,A., Normandin,E., Bauer,M., Reilly,S., Tomkins-Tinch,C., Loreth,C., Chaluvadi,S., Neumann,A., Cusiak,C., Chapman,S.B., Gnrirke,A., Flowers,K., Cerrato,F., Birren,B.W., Gallagher,G., Smole,S., Park,D.J., Macinnis,B.L., Ryan,E., LaRoque,R., Rosenberg,E., Sabeti,P.C.
EPI_ISL_460573, EPI_ISL_460582, EPI_ISL_460583	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlén MK	
EPI_ISL_460622, EPI_ISL_460628, EPI_ISL_460629, EPI_ISL_461411, EPI_ISL_461416, EPI_ISL_461421, EPI_ISL_461424, EPI_ISL_461425, EPI_ISL_461435, EPI_ISL_461452, EPI_ISL_461458, EPI_ISL_461464, EPI_ISL_461468, EPI_ISL_461471	see above	UW Virology Lab	Pavitra Roychoudhury, Amin Addetia, Hong Xie, Lasata Shrestha, Truong Nguyen, Meei-Li Huang, Keith Jerome, Alexander Greninger	
EPI_ISL_462686, EPI_ISL_462691, EPI_ISL_462694, EPI_ISL_462731	Michigan Department of Health and Human Services, Bureau of Laboratories	Michigan Department of Health and Human Services, Bureau of Laboratories	Blankenship HM, Riner D, Soehnlén MK	
EPI_ISL_462845, EPI_ISL_462850, EPI_ISL_462854, EPI_ISL_462855, EPI_ISL_462860, EPI_ISL_462886, EPI_ISL_462902, EPI_ISL_462904, EPI_ISL_462905, EPI_ISL_462911	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang	
EPI_ISL_462915, EPI_ISL_462917, EPI_ISL_462918, EPI_ISL_462919, EPI_ISL_462924, EPI_ISL_462925, EPI_ISL_462927, EPI_ISL_462929, EPI_ISL_462933, EPI_ISL_462935, EPI_ISL_462940, EPI_ISL_462952, EPI_ISL_462956, EPI_ISL_462957, EPI_ISL_462958, EPI_ISL_462965, EPI_ISL_462966, EPI_ISL_462969, EPI_ISL_462973, EPI_ISL_462975, EPI_ISL_462976, EPI_ISL_462977, EPI_ISL_462979, EPI_ISL_462982	see above	Wyoming Public Health Laboratory	Center for Global Health, University of New Mexico Health Sciences Center	Daryl Domman, Kurt Schwalm, Rob Christensen, Wanda Manley, Cari Sloma, Noah Hull, Darrell Dinwiddie
EPI_ISL_463101, EPI_ISL_463105, EPI_ISL_463108, EPI_ISL_463109, EPI_ISL_463111, EPI_ISL_463113, EPI_ISL_463114, EPI_ISL_463116, EPI_ISL_463118, EPI_ISL_463119, EPI_ISL_463120, EPI_ISL_463128, EPI_ISL_463131, EPI_ISL_463132, EPI_ISL_463133, EPI_ISL_463134, EPI_ISL_463136	see above	Virginia DCLS	Virginia DCLS	
EPI_ISL_463138, EPI_ISL_463151, EPI_ISL_463164	Yale Clinical Virology Laboratory	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Anne Wyllie, Chantal Vogels, Mary Petrone, Cole Jensen, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh	
EPI_ISL_463280, EPI_ISL_463285	Ochsner Health	Bioinfoexperts, LLC	Susanna L. Lamers, David J. Nolan, Rebecca Rose, Sissy Cross, David Moraga Amador, Tong Yang, Luke Caruso, Wayra Navia, Lydia Von Borstel, Xiao Hui Zhou, Amy Feehan, Julia-Garcia-Diaz	

EPI_ISL_463327, EPI_ISL_463333, EPI_ISL_463378, EPI_ISL_463444, EPI_ISL_463460, EPI_ISL_463464, EPI_ISL_463479, EPI_ISL_463505, EPI_ISL_463524, EPI_ISL_463527, EPI_ISL_463579, EPI_ISL_463583, EPI_ISL_463600, EPI_ISL_463602, EPI_ISL_463611, EPI_ISL_463622, EPI_ISL_463647, EPI_ISL_463648, EPI_ISL_463654, EPI_ISL_463664, EPI_ISL_463666, EPI_ISL_463677, EPI_ISL_463686, EPI_ISL_463688, EPI_ISL_463692, EPI_ISL_463699, EPI_ISL_463700	Washington State Department of Health	Seattle Flu Study	Chu et al
see above	Nebraska Public Health Laboratory	UNMC COVID-19 Response Team	UNMC COVID-19 Response Team
EPI_ISL_466652, EPI_ISL_466661, EPI_ISL_466666, EPI_ISL_466667, EPI_ISL_466668, EPI_ISL_466669, EPI_ISL_466675, EPI_ISL_466678, EPI_ISL_466680	Washington University in St. Louis	Washington University in St. Louis	David Wang, Carey-Ann Burnham, Scott Handley, Lindsay Droit, Stephen Tahan
EPI_ISL_467301, EPI_ISL_467302, EPI_ISL_467304	Arizona State University Health Services	Arizona State University	Peter T. Skidmore, Rabia Maqsood, LaRinda A. Holland, Emily A. Kaelin, Lily I. Wu, Arvind Varsani, Rolf U. Halden, Brenda G. Hogue, Matthew Scotch, Eftrem S. Lim
EPI_ISL_467372, EPI_ISL_467373	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	María Agüero-Rosenfeld, Brendan Belovarac, Margaret Black, Ludovic Boytard, John Cadley, Paolo Cotzia, John Chen, Dacia Dimartino, Xiaojun Feng, Tatyana Gindin, Emily Guzman, Adriana Heguy, Megan Hogan, Emily Huang, George Jour, Alireza Khodadadi-Jamayran, Lawrence H. Lin, Raven Luther, Andrew Lytle, Christian Marier, Matthew T. Maurano, Mark J. Mulligan, Peter Meyn, Raquel Ordonez Ciriza, Iman Osman, Jared Pinnell, Vanessa Raabe, Sitharam Ramaswami, Amy Rapkiewicz, Andre M. Ribeiro-dos-Santos, Marie Samanovic-Golden, Antonio Serrano, Guomiao Shen, Matija Snuderl, Theodore Vougiouklakis, Nick Vulpescu, Gael Westby, Paul Zappile, Yutong Zhang
EPI_ISL_467377, EPI_ISL_467379, EPI_ISL_467384, EPI_ISL_467398, EPI_ISL_467400, EPI_ISL_467405			
EPI_ISL_467529, EPI_ISL_467545, EPI_ISL_467551, EPI_ISL_467552, EPI_ISL_467563, EPI_ISL_467564, EPI_ISL_467572, EPI_ISL_467577, EPI_ISL_467583, EPI_ISL_467590, EPI_ISL_467591, EPI_ISL_467594, EPI_ISL_467598, EPI_ISL_467599, EPI_ISL_467600, EPI_ISL_467608, EPI_ISL_467610, EPI_ISL_467611, EPI_ISL_467612, EPI_ISL_467633, EPI_ISL_467644, EPI_ISL_467652, EPI_ISL_467653, EPI_ISL_467654, EPI_ISL_467661	New Mexico Department of Health Scientific Laboratory Division	Center for Global Health, University of New Mexico Health Sciences Center	Daryl Domman, Kurt Schwalm, Twila Kunde, Joseph Hicks, Michael Edwards, Darrell Dinwiddie
see above	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_467782, EPI_ISL_467786, EPI_ISL_467794, EPI_ISL_467801			
EPI_ISL_467846, EPI_ISL_467848, EPI_ISL_467849, EPI_ISL_467859, EPI_ISL_467860, EPI_ISL_467863, EPI_ISL_467867, EPI_ISL_467875, EPI_ISL_467876, EPI_ISL_467878, EPI_ISL_467879, EPI_ISL_467880, EPI_ISL_467881, EPI_ISL_467882, EPI_ISL_467883, EPI_ISL_467903, EPI_ISL_467904, EPI_ISL_467909, EPI_ISL_467911, EPI_ISL_467915, EPI_ISL_467918, EPI_ISL_467923, EPI_ISL_467925	Quest Diagnostics	Quest Diagnostics	Anderson,B.P., Rosenthal,S.H., Gerasimova,A., Kagan,R.M. and Owen, R.
see above	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_467928, EPI_ISL_467932, EPI_ISL_467934, EPI_ISL_467936, EPI_ISL_467941	Montefiore Medical Center, Dept. of Pathology, Clinical Virology	Albert Einstein College of Medicine, Dept. of Microbiology & Immunology, Chandran lab	J. Maximilian Fels, Saad Khan, Ryan Forster, Karin A. Skalina, Ariel S. Wirchnianski, Denise Haslwanter, Catalina Florez, Robert H. Bortz III, M. Eugenia Dieterle, Ethan Lauderemilch, Rohit K. Jangra, Amanda Mengotto, Duncan Kimmel, Shahina B. Maqbool, John M. Grealley, Wendy A. Szymczak, Amy S. Fox, Michael B. Prystowsky, D. Yitzech Goldstein, Johanna P. Daily, Libusha Kelly, Kartik Chandran
EPI_ISL_467945	Innovative Genomics Institute, UC Berkeley	Innovative Genomics Institute, UC Berkeley	Stacia Wyman, Haridha Shivram, Liana Lareau, Shana McDevitt, Justin Choi
EPI_ISL_467946	Scripps Medical Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Michael Quigley, Ellen Stefanski, Ian Mchardy
EPI_ISL_467972	OHSU Lab Services Molecular Microbiology Lab	Oregon SARS-CoV-2 Genome Sequencing Center	Brendan L. O'Connell, Ruth V. Nichols, Alec J. Hirsch, Guang Fan, Daniel N. Streblow, William B. Messer, Andrew C. Adey, Benjamin N. Bimber, Brian J. O'Roak
EPI_ISL_468095, EPI_ISL_468109, EPI_ISL_468110, EPI_ISL_468117, EPI_ISL_468120, EPI_ISL_468126	County of Santa Clara Public Health Department	Chan-Zuckerberg Biohub	CZB Cllahub Consortium
EPI_ISL_468349, EPI_ISL_468354, EPI_ISL_468356	Alameda County Public Health Lab	Chan-Zuckerberg Biohub	CZB Cllahub Consortium
EPI_ISL_468383	County of San Luis Obispo Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Cllahub Consortium
EPI_ISL_468394, EPI_ISL_468401, EPI_ISL_468431, EPI_ISL_468432, EPI_ISL_468436	Humboldt County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Cllahub Consortium
EPI_ISL_468440	Ventura County Public Health Lab	Chan-Zuckerberg Biohub	CZB Cllahub Consortium
EPI_ISL_468464, EPI_ISL_468471, EPI_ISL_468502	San Joaquin County Public Health Lab	Chan-Zuckerberg Biohub	CZB Cllahub Consortium
EPI_ISL_468509, EPI_ISL_468522, EPI_ISL_468539, EPI_ISL_468552	Contra Costa Public Health Lab	Chan-Zuckerberg Biohub	CZB Cllahub Consortium
EPI_ISL_468631	University of Florida	University of Florida	Elbadry,M.A., Subramaniam,K., Waltzek,T.B., Stephenson,C.J., Gibson,J.C., Alam,M.M., Lauzardo,M., Morris,J.G., Lednický,J.A.
EPI_ISL_468719	University of Florida	University of Florida	Stephenson,C.J., Subramaniam,K., Waltzek,T.B., Lauzardo,M., Morris,J.G., Lednický,J.A.
EPI_ISL_468720	Yale Clinical Virology Laboratory	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Anne Wyllie, Chantal Vogels, Mary Petrone, Cole Jensen, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh
EPI_ISL_469178, EPI_ISL_469182, EPI_ISL_469183, EPI_ISL_469186, EPI_ISL_469189, EPI_ISL_469203, EPI_ISL_469208	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
EPI_ISL_470559, EPI_ISL_470656, EPI_ISL_470669, EPI_ISL_470696, EPI_ISL_470717			
EPI_ISL_470748, EPI_ISL_470751, EPI_ISL_470760, EPI_ISL_470761, EPI_ISL_470766, EPI_ISL_470768, EPI_ISL_470775, EPI_ISL_470777, EPI_ISL_470778, EPI_ISL_470780, EPI_ISL_470789	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang
see above	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny
EPI_ISL_471147, EPI_ISL_471153	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Wisconsin State Laboratory of Hygiene Communicable Disease Division	Kelsey R. Florek, Abigail C. Shockey
EPI_ISL_471190, EPI_ISL_471201, EPI_ISL_471212, EPI_ISL_471252, EPI_ISL_471256			
EPI_ISL_471685, EPI_ISL_471695, EPI_ISL_471712, EPI_ISL_471713, EPI_ISL_471714, EPI_ISL_471717, EPI_ISL_471739, EPI_ISL_471740, EPI_ISL_471789, EPI_ISL_471820, EPI_ISL_471821, EPI_ISL_471823, EPI_ISL_471826, EPI_ISL_471838, EPI_ISL_471839, EPI_ISL_471842, EPI_ISL_471852, EPI_ISL_471853, EPI_ISL_471856, EPI_ISL_471857, EPI_ISL_471873, EPI_ISL_471878, EPI_ISL_471880, EPI_ISL_471881, EPI_ISL_471887, EPI_ISL_471890, EPI_ISL_471899, EPI_ISL_471900, EPI_ISL_471903, EPI_ISL_471905, EPI_ISL_471906, EPI_ISL_471908	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
see above			
EPI_ISL_475176, EPI_ISL_475178, EPI_ISL_475180, EPI_ISL_475186, EPI_ISL_475197, EPI_ISL_475200, EPI_ISL_475201, EPI_ISL_475204, EPI_ISL_475209, EPI_ISL_475213, EPI_ISL_475216, EPI_ISL_475217, EPI_ISL_475219, EPI_ISL_475220, EPI_ISL_475222, EPI_ISL_475225, EPI_ISL_475227, EPI_ISL_475228, EPI_ISL_475231, EPI_ISL_475233	Nebraska Public Health Laboratory	UNMC COVID-19 Response Team	UNMC COVID-19 Response Team
see above	Cedars-Sinai Medical Center, Department of Pathology & Laboratory Medicine, Molecular Pathology Laboratory	Cedars-Sinai Medical Center, Molecular Pathology Laboratory of Department of Pathology & Laboratory Medicine and Genomic Core	Wenjuan Zhang, John Paul Govindavari, Brian Davis, Stephanie Chen, Jong Taek Kim, Jianbo Song, Jean Lopategui, Jasmine T Plummer, Eric Vail
EPI_ISL_475582, EPI_ISL_475613	Utah Public Health Laboratory	Utah Public Health Laboratory	Erin Young, Kelly Oakeson
EPI_ISL_475726, EPI_ISL_475728, EPI_ISL_475730, EPI_ISL_475743	Washington University in St. Louis	Washington University in St. Louis	David Wang, Carey-Ann Burnham, Scott Handley, Lindsay Droit, Stephen Tahan
EPI_ISL_476018, EPI_ISL_476019, EPI_ISL_476021	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_476030, EPI_ISL_476048, EPI_ISL_476051, EPI_ISL_476062, EPI_ISL_476063			

EPI_ISL_476526, EPI_ISL_476553	Yale Clinical Virology Laboratory	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Anne Wyllie, Chantal Vogels, Mary Petrone, Cole Jensen, Chaney Kalinich, Isabel Ott, Arnau Casanovas, Catherine Muenker, Adam Moore, Alice Lu, Maria Tokuyama, Patrick Wong, Peiwen Lu, Saad Omer, Richard Martinello, Allison Nelson, Shelli Farhadian, Akiko Iwasaki, Charlese Dela Cruz, Albert Ko, Nathan Grubaugh
EPI_ISL_476709, EPI_ISL_476711, EPI_ISL_476712, EPI_ISL_476719, EPI_ISL_476720, EPI_ISL_476729, EPI_ISL_476732, EPI_ISL_476753, EPI_ISL_476754, EPI_ISL_476765	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang
EPI_ISL_476897	University of South Carolina Functional Genomics Core	University of South Carolina Functional Genomics Core	Michael Shtutman
EPI_ISL_476898, EPI_ISL_476899	Alaska State Virology Laboratory	Alaska State Virology Laboratory	Jack Chen, Ph.D.
EPI_ISL_476906, EPI_ISL_476909, EPI_ISL_476912, EPI_ISL_476917	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Racheff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_477273	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, Kelly Pung, and Xiong Wang
EPI_ISL_477277, EPI_ISL_477283	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, Kelly Pung, and Xiong Wang
EPI_ISL_477292, EPI_ISL_477293, EPI_ISL_477294, EPI_ISL_477299, EPI_ISL_477300, EPI_ISL_477303, EPI_ISL_477305, EPI_ISL_477307	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, Kelly Pung, and Xiong Wang
EPI_ISL_477632, EPI_ISL_477637, EPI_ISL_477639, EPI_ISL_477661, EPI_ISL_477663, EPI_ISL_477664, EPI_ISL_477666, EPI_ISL_477671	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_477673, EPI_ISL_477675, EPI_ISL_477680, EPI_ISL_477681, EPI_ISL_477691, EPI_ISL_477716	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Racheff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_479760, EPI_ISL_479764, EPI_ISL_479765, EPI_ISL_479769, EPI_ISL_479771	University of Miami Immunology and Histocompatibility Laboratory	University of Miami Immunology and Histocompatibility Laboratory	Emilio Margolles-Clark, PhD and Phillip Ruiz, MD, PhD
EPI_ISL_480352, EPI_ISL_480355, EPI_ISL_480360, EPI_ISL_480361, EPI_ISL_480362, EPI_ISL_480363, EPI_ISL_480364, EPI_ISL_480365, EPI_ISL_480366, EPI_ISL_480367, EPI_ISL_480368, EPI_ISL_480370, EPI_ISL_480375, EPI_ISL_480411	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
see above			
EPI_ISL_480791, EPI_ISL_480796, EPI_ISL_480804, EPI_ISL_480810, EPI_ISL_480817, EPI_ISL_480819, EPI_ISL_480823, EPI_ISL_480825, EPI_ISL_480829, EPI_ISL_480839, EPI_ISL_480855, EPI_ISL_480856, EPI_ISL_480862, EPI_ISL_480863, EPI_ISL_480872, EPI_ISL_480879, EPI_ISL_480884, EPI_ISL_480893, EPI_ISL_480896, EPI_ISL_480897, EPI_ISL_480898, EPI_ISL_480899, EPI_ISL_480901, EPI_ISL_480902, EPI_ISL_480903, EPI_ISL_480904, EPI_ISL_480906, EPI_ISL_480907, EPI_ISL_480908, EPI_ISL_480910, EPI_ISL_480914, EPI_ISL_480916, EPI_ISL_480917, EPI_ISL_480918, EPI_ISL_480926, EPI_ISL_480935, EPI_ISL_480942, EPI_ISL_480944, EPI_ISL_480947, EPI_ISL_480948, EPI_ISL_480950, EPI_ISL_480951	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
see above			
EPI_ISL_481241	M Health Fairview	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, Kelly Pung, and Xiong Wang
EPI_ISL_481265, EPI_ISL_481266, EPI_ISL_481267, EPI_ISL_481268, EPI_ISL_481270, EPI_ISL_481271, EPI_ISL_481272, EPI_ISL_481273, EPI_ISL_481274, EPI_ISL_481275, EPI_ISL_481276, EPI_ISL_481277, EPI_ISL_481278, EPI_ISL_481279, EPI_ISL_481280, EPI_ISL_481281, EPI_ISL_481282	Maryland Department of Health	Maryland Department of Health	Keller,E.
see above			
EPI_ISL_482295, EPI_ISL_482300, EPI_ISL_482303, EPI_ISL_482306, EPI_ISL_482307, EPI_ISL_482308, EPI_ISL_482309, EPI_ISL_482311, EPI_ISL_482312, EPI_ISL_482313, EPI_ISL_482320, EPI_ISL_482321, EPI_ISL_482323, EPI_ISL_482324, EPI_ISL_482325, EPI_ISL_482327, EPI_ISL_482330, EPI_ISL_482332, EPI_ISL_482333, EPI_ISL_482340, EPI_ISL_482342, EPI_ISL_482344, EPI_ISL_482348, EPI_ISL_482349, EPI_ISL_482350, EPI_ISL_482355, EPI_ISL_482357, EPI_ISL_482360, EPI_ISL_482364, EPI_ISL_482374, EPI_ISL_482382, EPI_ISL_482387, EPI_ISL_482390, EPI_ISL_482393, EPI_ISL_482398, EPI_ISL_482401, EPI_ISL_482402, EPI_ISL_482403, EPI_ISL_482404, EPI_ISL_482406, EPI_ISL_482407, EPI_ISL_482408, EPI_ISL_482410, EPI_ISL_482412, EPI_ISL_482415, EPI_ISL_482417, EPI_ISL_482418, EPI_ISL_482419, EPI_ISL_482420, EPI_ISL_482422, EPI_ISL_482424, EPI_ISL_482425, EPI_ISL_482427, EPI_ISL_482428, EPI_ISL_482429, EPI_ISL_482430, EPI_ISL_482431, EPI_ISL_482434, EPI_ISL_482435, EPI_ISL_482437, EPI_ISL_482438, EPI_ISL_482446, EPI_ISL_482447, EPI_ISL_482452, EPI_ISL_482454, EPI_ISL_482455, EPI_ISL_482456, EPI_ISL_482460, EPI_ISL_482464, EPI_ISL_482465, EPI_ISL_482467	Providence St. Joseph Health Molecular Genomics Laboratory	Providence St. Joseph Health Molecular Genomics Laboratory	Alexa K Dowdell, Brian D Piening, Fred L Robinson, Carlo B Bifulco, Mary Campbell
see above			
EPI_ISL_482946, EPI_ISL_482947, EPI_ISL_482950, EPI_ISL_482952, EPI_ISL_482955	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang
EPI_ISL_482970, EPI_ISL_482973, EPI_ISL_482976, EPI_ISL_482977, EPI_ISL_482978, EPI_ISL_482980, EPI_ISL_482983, EPI_ISL_482984, EPI_ISL_482985, EPI_ISL_482986	Mayo Clinic & Mayo Clinic Laboratories	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang
EPI_ISL_482999, EPI_ISL_483008, EPI_ISL_483012, EPI_ISL_483014, EPI_ISL_483017	Minnesota Department of Health, Public Health Laboratory	Minnesota Department of Health, Public Health Laboratory	Matt Plumb, Jacob Garfin, and Xiong Wang
EPI_ISL_483018, EPI_ISL_483024, EPI_ISL_483031	Utah Public Health Laboratory	Utah Public Health Laboratory	Heidi Butz, Erin Young, Kelly Oakeson
EPI_ISL_483178, EPI_ISL_483207, EPI_ISL_483217, EPI_ISL_483218, EPI_ISL_483285, EPI_ISL_483300, EPI_ISL_483308, EPI_ISL_483310, EPI_ISL_483311, EPI_ISL_483318, EPI_ISL_483320, EPI_ISL_483321, EPI_ISL_483334, EPI_ISL_483358	UC San Diego Center for Advanced Laboratory Medicine	Andersen lab at Scripps Research	SEARCH Alliance San Diego with David Pride, Ji H Shin
see above			
EPI_ISL_483398, EPI_ISL_483399	UC San Diego Center for Advanced Laboratory Medicine	Andersen lab at Scripps Research	Allison Smither, Gilberto Sabino-Santos, Patricia Snarski, Lilia Melnik, Antoinette Bell, Kaylynn Genemaras, Arnaud Drouin, Dahlene Fusco, Robert Garry with SEARCH Alliance San Diego
EPI_ISL_483419, EPI_ISL_483464, EPI_ISL_483476, EPI_ISL_483477, EPI_ISL_483482, EPI_ISL_483485, EPI_ISL_483486, EPI_ISL_483492, EPI_ISL_483494, EPI_ISL_483495, EPI_ISL_483498, EPI_ISL_483498, EPI_ISL_483502, EPI_ISL_483504, EPI_ISL_483508, EPI_ISL_483509, EPI_ISL_483514, EPI_ISL_483517, EPI_ISL_483521, EPI_ISL_483522, EPI_ISL_483523, EPI_ISL_483525, EPI_ISL_483530	UC San Diego Center for Advanced Laboratory Medicine	Andersen lab at Scripps Research	SEARCH Alliance San Diego with David Pride, Ji H Shin
see above			
EPI_ISL_483531	San Diego County Public Health Laboratory	Andersen lab at Scripps Research	SEARCH Alliance San Diego with Tracy Basler, Jovan Shephard, Brett Austin
EPI_ISL_484724, EPI_ISL_484733, EPI_ISL_484789, EPI_ISL_484794, EPI_ISL_484796	University of Michigan Clinical Microbiology Laboratory	Lauring Lab, University of Michigan, Department of Microbiology and Immunology	Valesano et al.
EPI_ISL_484818, EPI_ISL_484842, EPI_ISL_484843, EPI_ISL_484853, EPI_ISL_484854, EPI_ISL_484856, EPI_ISL_484862, EPI_ISL_484878, EPI_ISL_484881, EPI_ISL_484882, EPI_ISL_484885, EPI_ISL_484890, EPI_ISL_484891, EPI_ISL_484895, EPI_ISL_484900, EPI_ISL_484913, EPI_ISL_484917, EPI_ISL_484922, EPI_ISL_484927, EPI_ISL_484928, EPI_ISL_484932, EPI_ISL_484940, EPI_ISL_484946, EPI_ISL_484947, EPI_ISL_484959, EPI_ISL_484967, EPI_ISL_484972, EPI_ISL_484975, EPI_ISL_484978, EPI_ISL_484993, EPI_ISL_484998	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
see above			
EPI_ISL_485009, EPI_ISL_485105, EPI_ISL_485142, EPI_ISL_485281, EPI_ISL_485289, EPI_ISL_485290, EPI_ISL_485300, EPI_ISL_485322, EPI_ISL_485340, EPI_ISL_485375, EPI_ISL_485380	River Road Testing Lab	Ginkgo Bioworks Clinical Laboratory	Rebecca C. Christofferson, Stephanie A. Cormier, Luan V. Dinh, E. Handy Mayton, Hollis R. O'Neil, Thaya Stoufflet, Malaika Mckenzie-Bennett, James McGann, Jim Griffin, Keith Robison, Alex Plocik, Becky Schilling, Rebecca Littlefield, Michelle Spencer, Birgitte Simen
see above			

EPI_ISL_485816, EPI_ISL_485820, EPI_ISL_485822, EPI_ISL_485823, EPI_ISL_485824, EPI_ISL_485826, EPI_ISL_485833, EPI_ISL_485836, EPI_ISL_485838, EPI_ISL_485842, EPI_ISL_485844, EPI_ISL_485847, EPI_ISL_485848, EPI_ISL_485856, EPI_ISL_485858, EPI_ISL_485859, EPI_ISL_485861, EPI_ISL_485863, EPI_ISL_485870	see above	Virginia DCLS	Virginia DCLS	Virginia DCLS
EPI_ISL_485872		New Mexico Department of Health Scientific Laboratory Division	Center for Global Health, University of New Mexico Health Sciences Center	Daryl Domman, Kurt Schwalm, Twila Kunde, Joseph Hicks, Michael Edwards, Darrell Dinwiddie
EPI_ISL_485895		River Road Testing Lab	Ginkgo Bioworks Clinical Laboratory	Rebecca C. Christofferson, Stephanie A. Cormier, Luan V. Dinh, E. Handly Mayton, Hollis R. O'Neil, Thaya Stoufflet, Malaika Mckenzie-Bennett, James McGann, Jim Griffin, Keith Robison, Alex Plocik, Becky Schilling, Rebecca Littlefield, Michelle Spencer, Birgitte Simen
EPI_ISL_485920, EPI_ISL_485923, EPI_ISL_485926, EPI_ISL_485936, EPI_ISL_485938, EPI_ISL_485946, EPI_ISL_485947, EPI_ISL_485948, EPI_ISL_485988, EPI_ISL_485997, EPI_ISL_486018, EPI_ISL_486050	see above	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Rachleff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_486209, EPI_ISL_486224, EPI_ISL_486226, EPI_ISL_486238, EPI_ISL_486239, EPI_ISL_486241, EPI_ISL_486249, EPI_ISL_486250, EPI_ISL_486251, EPI_ISL_486265, EPI_ISL_486270	see above	Orange County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciliahub Consortium
EPI_ISL_486286		Humboldt County Public Health Laboratory	Chan-Zuckerberg Biohub	CZB Ciliahub Consortium
EPI_ISL_486323, EPI_ISL_486326		San Joaquin County Public Health Lab	Chan-Zuckerberg Biohub	CZB Ciliahub Consortium
EPI_ISL_486345, EPI_ISL_486356		UCSF Clinical Microbiology Laboratory	Chan-Zuckerberg Biohub	CZB Ciliahub Consortium
EPI_ISL_486830, EPI_ISL_486831		Providence St. Joseph Health Molecular Genomics Laboratory	Providence St. Joseph Health Molecular Genomics Laboratory	Alexa K Dowdell, Brian D Piening, Fred L. Robinson, Carlo B Bifulco, Mary Campbell
EPI_ISL_486912, EPI_ISL_486913, EPI_ISL_486914, EPI_ISL_486915, EPI_ISL_486916, EPI_ISL_486917		Maryland Department of Health	Maryland Department of Health	Keller,E.
EPI_ISL_487223, EPI_ISL_487225, EPI_ISL_487246, EPI_ISL_487248, EPI_ISL_487251, EPI_ISL_487252		Utah Public Health Laboratory	Utah Public Health Laboratory	Heidi Butz, Erin Young, Kelly Oakeson
EPI_ISL_489712, EPI_ISL_489716, EPI_ISL_489717, EPI_ISL_489720, EPI_ISL_489722, EPI_ISL_489724, EPI_ISL_489730, EPI_ISL_489753, EPI_ISL_489762, EPI_ISL_489764, EPI_ISL_489784, EPI_ISL_489791, EPI_ISL_489792, EPI_ISL_489795, EPI_ISL_489796, EPI_ISL_489803, EPI_ISL_489810, EPI_ISL_489819, EPI_ISL_489823, EPI_ISL_489827	see above	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_489896, EPI_ISL_489898, EPI_ISL_489900, EPI_ISL_489903, EPI_ISL_489919, EPI_ISL_489923, EPI_ISL_489937, EPI_ISL_489938, EPI_ISL_489939, EPI_ISL_489940, EPI_ISL_489941, EPI_ISL_489942, EPI_ISL_489943, EPI_ISL_489945, EPI_ISL_489949, EPI_ISL_489950, EPI_ISL_489951, EPI_ISL_489953, EPI_ISL_489954	see above	Gundersen Molecular Diagnostics Laboratory	Kabara Cancer Research Institute	Craig S. Richmond, Paraic A. Kenny
EPI_ISL_490979, EPI_ISL_490980, EPI_ISL_490983, EPI_ISL_490987		UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Rachleff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_490988		Mayo Clinic Laboratories	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Rachleff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_490989, EPI_ISL_490990, EPI_ISL_490991, EPI_ISL_490993, EPI_ISL_490994, EPI_ISL_490995, EPI_ISL_490996		UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Rachleff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_490998		Mayo Clinic Laboratories	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Rachleff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_491001, EPI_ISL_491026		UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Amin Addetia, Truong Nguyen, Victoria M Rachleff, Meei-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_491097, EPI_ISL_491098, EPI_ISL_491099, EPI_ISL_491101, EPI_ISL_491102, EPI_ISL_491103, EPI_ISL_491104, EPI_ISL_491105, EPI_ISL_491106, EPI_ISL_491107, EPI_ISL_491110	see above	SC Department of Health and Environmental Control	SC Department of Health and Environmental Control	Flores,H.
EPI_ISL_491299, EPI_ISL_491300, EPI_ISL_491301, EPI_ISL_491305, EPI_ISL_491306, EPI_ISL_491307, EPI_ISL_491308, EPI_ISL_491310, EPI_ISL_491311, EPI_ISL_491312, EPI_ISL_491313, EPI_ISL_491314, EPI_ISL_491316, EPI_ISL_491317, EPI_ISL_491318, EPI_ISL_491319, EPI_ISL_491320, EPI_ISL_491321, EPI_ISL_491330, EPI_ISL_491344, EPI_ISL_491366, EPI_ISL_491373, EPI_ISL_491375, EPI_ISL_491376, EPI_ISL_491377, EPI_ISL_491385, EPI_ISL_491403, EPI_ISL_491404, EPI_ISL_491408, EPI_ISL_491409, EPI_ISL_491410, EPI_ISL_491417	see above	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_491481		Functional Genomics Core University of South Carolina / Prisma Health-Midlands	Functional Genomics Core, Center For Targeted Therapeutics,	Hao Ji, Diego Altomare, B.Celia Cui, Mengqian Chen, Alyssa Clay-Glimour, Michael Wyatt, Phillip Buckhaults, Helmut Albrecht, Michael Shtutman
EPI_ISL_491907, EPI_ISL_491909, EPI_ISL_491912, EPI_ISL_491913, EPI_ISL_491914, EPI_ISL_491922, EPI_ISL_491925		Naval Infectious Diseases Diagnostic Laboratory	Naval Medical Research Center Biological Defense Research Directorate	Logan Voegtly, Regina Cer, Lindsay Glang, Victor Sugiharto, Francisco Malgon Bautista, Hua Wei Chen, Dessiree Pena-Gomez, Megan Schilling, Adrian Paskey, Kyle Long, Mark Simons, Kimberly Bishop-Lilly
EPI_ISL_492059, EPI_ISL_492063		Alaska State Virology Laboratory	Alaska State Virology Laboratory	Chen J et al with Pathogenomics group Dagdag R, Redlinger M, Milton E, George W, Kovalenko A, Drown DM, Bortz E
EPI_ISL_492074		Functional Genomics Core University of South Carolina / Prisma Health-Midlands	Functional Genomics Core, University of South Carolina,	Hao Ji, Diego Altomare, B.Celia Cui, Mengqian Chen, Alyssa Clay-Glimour, Michael Wyatt, Phillip Buckhaults, Helmut Albrecht, Michael Shtutman
EPI_ISL_493001		Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Noah Hull, Rob Christensen, Jim Mildenerger, Joel Sevinsky, Cari Sloma, and Wanda Manley
EPI_ISL_493069, EPI_ISL_493070, EPI_ISL_493071, EPI_ISL_493072, EPI_ISL_493073, EPI_ISL_493074, EPI_ISL_493075, EPI_ISL_493076, EPI_ISL_493077, EPI_ISL_493079, EPI_ISL_493080, EPI_ISL_493081, EPI_ISL_493082, EPI_ISL_493083, EPI_ISL_493084, EPI_ISL_493085	see above	Washington University in St. Louis	Washington University in St. Louis	David Wang, Carey-Ann Burnham, Scott Handley, Lindsay Droit, Stephen Tahan
EPI_ISL_493126, EPI_ISL_493127, EPI_ISL_493128		Wyoming Public Health Laboratory	Wyoming Public Health Laboratory	Noah Hull, Rob Christensen, Jim Mildenerger, Joel Sevinsky, Cari Sloma, and Wanda Manley
EPI_ISL_493129		Functional Genomics Core University of South Carolina / Prisma Health-Midlands	Functional Genomics Core, University of South Carolina,	Hao Ji, Diego Altomare, B.Celia Cui, Mengqian Chen, Alyssa Clay-Glimour, Michael Wyatt, Phillip Buckhaults, Helmut Albrecht, Michael Shtutman