

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

Authors are sorted alphabetically.

[illegible]

S. Wesley Long, Randall J. Olsen, Paul A. Christensen, David W. Bernard, James J. Davis, Maulik Shukla, Marcus Nguyen, Matthew Ojeda Saavedra, Prasanti Yerramilli, Layne Pruitt, Sishir Subedi, Heather Hendrickson, and James M. Musser

Holmes, Jennifer; Eric Brandt, Keoni Omura, Glen McGillivray, Caitlin McDonnell, Kirtana Ramadugu, Erica Leasure, Kelsey Florek, Heather Blankenship, Quanta Brown, and Tammy Bannerman

[illegible]

[illegible]

[illegible]

[illegible]

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, Prasanti Yerramilli, Layne Pruitt, Sishir Subedi, Heather Hendrickson, and James M. Musser
EPI_ISL_790567, EPI_ISL_790568, EPI_ISL_790569	Florida Bureau of Public Health Laboratories	Florida Bureau of Public Health Laboratories	Sarah Schmedes, Jason Blanton
EPI_ISL_791097, EPI_ISL_791098, EPI_ISL_791099, EPI_ISL_791100, EPI_ISL_791101, EPI_ISL_791102, EPI_ISL_791103, EPI_ISL_791104, EPI_ISL_791105, EPI_ISL_791106, EPI_ISL_791107, EPI_ISL_791108, EPI_ISL_791109, EPI_ISL_791110, EPI_ISL_791111, EPI_ISL_791112, EPI_ISL_791113, EPI_ISL_791114, EPI_ISL_791115, EPI_ISL_791116, EPI_ISL_791117, EPI_ISL_791118, EPI_ISL_791119, EPI_ISL_791120, EPI_ISL_791121, EPI_ISL_791122, EPI_ISL_791123, EPI_ISL_791124, EPI_ISL_791125, EPI_ISL_791126, EPI_ISL_791127, EPI_ISL_791128, EPI_ISL_791129, EPI_ISL_791130, EPI_ISL_791131, EPI_ISL_791132, EPI_ISL_791133, EPI_ISL_791134, EPI_ISL_791135, EPI_ISL_791136, EPI_ISL_791137, EPI_ISL_791138, EPI_ISL_791139, EPI_ISL_791140, EPI_ISL_791141, EPI_ISL_791142, EPI_ISL_791143, EPI_ISL_791144, EPI_ISL_791145, EPI_ISL_791146, EPI_ISL_791147, EPI_ISL_791148, EPI_ISL_791149, EPI_ISL_791150, EPI_ISL_791151, EPI_ISL_791152, EPI_ISL_791153, EPI_ISL_791154, EPI_ISL_791155, EPI_ISL_791156, EPI_ISL_791157, EPI_ISL_791158, EPI_ISL_791159, EPI_ISL_791160, EPI_ISL_791161, EPI_ISL_791162, EPI_ISL_791163, EPI_ISL_791164, EPI_ISL_791165, EPI_ISL_791166, EPI_ISL_791167, EPI_ISL_791168, EPI_ISL_791169, EPI_ISL_791170, EPI_ISL_791171, EPI_ISL_791172, EPI_ISL_791173, EPI_ISL_791174, EPI_ISL_791175, EPI_ISL_791176, EPI_ISL_791177, EPI_ISL_791178, EPI_ISL_791179, EPI_ISL_791180, EPI_ISL_791181, EPI_ISL_791182, EPI_ISL_791327, EPI_ISL_791328, EPI_ISL_791329, EPI_ISL_791330, EPI_ISL_791331			
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_791334	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Heba H. Mostafa
EPI_ISL_791335	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_791336	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Heba H. Mostafa
EPI_ISL_791337	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_791338	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Heba H. Mostafa
EPI_ISL_791339, EPI_ISL_791340	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_791341, EPI_ISL_791342, EPI_ISL_791343	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Heba H. Mostafa
EPI_ISL_791344	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_791345	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Heba H. Mostafa
EPI_ISL_791346	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_791347, EPI_ISL_791348, EPI_ISL_791349, EPI_ISL_791350, EPI_ISL_791351, EPI_ISL_791352, EPI_ISL_791353, EPI_ISL_791354, EPI_ISL_791355, EPI_ISL_791356, EPI_ISL_791357, EPI_ISL_791358, EPI_ISL_791359, EPI_ISL_791360, EPI_ISL_791361, EPI_ISL_791362, EPI_ISL_791363, EPI_ISL_791364, EPI_ISL_791365, EPI_ISL_791366, EPI_ISL_791367, EPI_ISL_791368, EPI_ISL_791369, EPI_ISL_791370, EPI_ISL_791371, EPI_ISL_791372, EPI_ISL_791373, EPI_ISL_791374, EPI_ISL_791375, EPI_ISL_791376, EPI_ISL_791377, EPI_ISL_791378, EPI_ISL_791379, EPI_ISL_791380, EPI_ISL_791381, EPI_ISL_791382, EPI_ISL_791383, EPI_ISL_791384, EPI_ISL_791385, EPI_ISL_791386, EPI_ISL_791387, EPI_ISL_791388, EPI_ISL_791389, EPI_ISL_791390, EPI_ISL_791391, EPI_ISL_791392, EPI_ISL_791393, EPI_ISL_791394, EPI_ISL_791395, EPI_ISL_791396, EPI_ISL_791397, EPI_ISL_791398, EPI_ISL_791399, EPI_ISL_791400, EPI_ISL_791401, EPI_ISL_791402, EPI_ISL_791403, EPI_ISL_791404, EPI_ISL_791405, EPI_ISL_791406, EPI_ISL_791407, EPI_ISL_791408, EPI_ISL_791409, EPI_ISL_791410, EPI_ISL_791411, EPI_ISL_791412, EPI_ISL_791413, EPI_ISL_791414			
see above	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Heba H. Mostafa

EPI_ISL_791415, EPI_ISL_791416, EPI_ISL_791417, EPI_ISL_791418, EPI_ISL_791419, EPI_ISL_791420, EPI_ISL_791421, EPI_ISL_791422, EPI_ISL_791423, EPI_ISL_791424, EPI_ISL_791425, EPI_ISL_791426, EPI_ISL_791427, EPI_ISL_791428, EPI_ISL_791429, EPI_ISL_791430, EPI_ISL_791431, EPI_ISL_791432, EPI_ISL_791433, EPI_ISL_791434, EPI_ISL_791435, EPI_ISL_791436, EPI_ISL_791437, EPI_ISL_791438, EPI_ISL_791439, EPI_ISL_791440, EPI_ISL_791441, EPI_ISL_791442, EPI_ISL_791443, EPI_ISL_791444, EPI_ISL_791445, EPI_ISL_791446, EPI_ISL_791447, EPI_ISL_791448, EPI_ISL_791449, EPI_ISL_791450, EPI_ISL_791451, EPI_ISL_791452, EPI_ISL_791453, EPI_ISL_791454, EPI_ISL_791455, EPI_ISL_791456, EPI_ISL_791457, EPI_ISL_791458, EPI_ISL_791459, EPI_ISL_791460, EPI_ISL_791461, EPI_ISL_791462, EPI_ISL_791463, EPI_ISL_791464, EPI_ISL_791465, EPI_ISL_791466, EPI_ISL_791467, EPI_ISL_791468, EPI_ISL_791469, EPI_ISL_791470, EPI_ISL_791471, EPI_ISL_791472, EPI_ISL_791473, EPI_ISL_791474, EPI_ISL_791475, EPI_ISL_791476, EPI_ISL_791477, EPI_ISL_791478, EPI_ISL_791479, EPI_ISL_791480, EPI_ISL_791481, EPI_ISL_791482, EPI_ISL_791483, EPI_ISL_791484, EPI_ISL_791485, EPI_ISL_791486, EPI_ISL_791487	see above	Johns Hopkins Hospital Department of Pathology	Johns Hopkins Hospital Department of Pathology	C. Paul Morris, Chun Huai Luo, Adannaya Amadi, Nicholas Gallagher, Heba H. Mostafa
EPI_ISL_791514, EPI_ISL_791515, EPI_ISL_791516, EPI_ISL_791517, EPI_ISL_791518, EPI_ISL_791519, EPI_ISL_791520, EPI_ISL_791521, EPI_ISL_791522, EPI_ISL_791523, EPI_ISL_791524, EPI_ISL_791525, EPI_ISL_791526, EPI_ISL_791527, EPI_ISL_791528, EPI_ISL_791529, EPI_ISL_791530, EPI_ISL_791531, EPI_ISL_791532, EPI_ISL_791533, EPI_ISL_791534, EPI_ISL_791535, EPI_ISL_791536, EPI_ISL_791537, EPI_ISL_791538, EPI_ISL_791539, EPI_ISL_791540, EPI_ISL_791541, EPI_ISL_791542, EPI_ISL_791543, EPI_ISL_791544, EPI_ISL_791545, EPI_ISL_791546, EPI_ISL_791547, EPI_ISL_791548, EPI_ISL_791549, EPI_ISL_791550, EPI_ISL_791551, EPI_ISL_791552, EPI_ISL_791553, EPI_ISL_791554, EPI_ISL_791555, EPI_ISL_791556, EPI_ISL_791557, EPI_ISL_791558, EPI_ISL_791559, EPI_ISL_791560, EPI_ISL_791561, EPI_ISL_791562, EPI_ISL_791563, EPI_ISL_791564, EPI_ISL_791565, EPI_ISL_791566, EPI_ISL_791567, EPI_ISL_791568, EPI_ISL_791569, EPI_ISL_791570, EPI_ISL_791571, EPI_ISL_791572, EPI_ISL_791573, EPI_ISL_791574, EPI_ISL_791575, EPI_ISL_791576, EPI_ISL_791577, EPI_ISL_791578, EPI_ISL_791579, EPI_ISL_791580, EPI_ISL_791581, EPI_ISL_791582, EPI_ISL_791583, EPI_ISL_791584, EPI_ISL_791585, EPI_ISL_791586, EPI_ISL_791587, EPI_ISL_791588, EPI_ISL_791589, EPI_ISL_791590, EPI_ISL_791591, EPI_ISL_791592, EPI_ISL_791593, EPI_ISL_791594, EPI_ISL_791595, EPI_ISL_791596, EPI_ISL_791597, EPI_ISL_791598, EPI_ISL_791599, EPI_ISL_791600, EPI_ISL_791601, EPI_ISL_791602, EPI_ISL_791603, EPI_ISL_791604, EPI_ISL_791605, EPI_ISL_791606, EPI_ISL_791607, EPI_ISL_791608, EPI_ISL_791609, EPI_ISL_791610, EPI_ISL_791611, EPI_ISL_791612, EPI_ISL_791613, EPI_ISL_791614, EPI_ISL_791615, EPI_ISL_791616, EPI_ISL_791617, EPI_ISL_791618, EPI_ISL_791619, EPI_ISL_791620, EPI_ISL_791621, EPI_ISL_791622, EPI_ISL_791623, EPI_ISL_791624, EPI_ISL_791625, EPI_ISL_791626, EPI_ISL_791627, EPI_ISL_791628, EPI_ISL_791629, EPI_ISL_791630, EPI_ISL_791631, EPI_ISL_791632, EPI_ISL_791633, EPI_ISL_791634, EPI_ISL_791635, EPI_ISL_791636, EPI_ISL_791637, EPI_ISL_791638, EPI_ISL_791639, EPI_ISL_791640, EPI_ISL_791641, EPI_ISL_791642, EPI_ISL_791643, EPI_ISL_791644, EPI_ISL_791645, EPI_ISL_791646, EPI_ISL_791647, EPI_ISL_791648, EPI_ISL_791649, EPI_ISL_791650, EPI_ISL_791651, EPI_ISL_791652, EPI_ISL_791653, EPI_ISL_791654, EPI_ISL_791655, EPI_ISL_791656, EPI_ISL_791657, EPI_ISL_791658, EPI_ISL_791659, EPI_ISL_791660, EPI_ISL_791661, EPI_ISL_791662, EPI_ISL_791663, EPI_ISL_791664, EPI_ISL_791665, EPI_ISL_791666, EPI_ISL_791667, EPI_ISL_791668, EPI_ISL_791669, EPI_ISL_791670, EPI_ISL_791671, EPI_ISL_791672, EPI_ISL_791673, EPI_ISL_791674, EPI_ISL_791675, EPI_ISL_791676, EPI_ISL_791677, EPI_ISL_791678, EPI_ISL_791679, EPI_ISL_791680, EPI_ISL_791681, EPI_ISL_791682, EPI_ISL_791683, EPI_ISL_791684, EPI_ISL_791685, EPI_ISL_791686, EPI_ISL_791687, EPI_ISL_791688, EPI_ISL_791689, EPI_ISL_791690, EPI_ISL_791691, EPI_ISL_791692, EPI_ISL_791693, EPI_ISL_791694, EPI_ISL_791695, EPI_ISL_791696, EPI_ISL_791697, EPI_ISL_791698, EPI_ISL_791699, EPI_ISL_791700, EPI_ISL_791701, EPI_ISL_791702, EPI_ISL_791703, EPI_ISL_791704, EPI_ISL_791705, EPI_ISL_791706, EPI_ISL_791707, EPI_ISL_791708, EPI_ISL_791709, EPI_ISL_791710, EPI_ISL_791711, EPI_ISL_791712, EPI_ISL_791713, EPI_ISL_791714, EPI_ISL_791715, EPI_ISL_791716, EPI_ISL_791717, EPI_ISL_791718	see above	Massachusetts State Public Health Laboratory	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., Cusick,C., Chapman,S.B., Gnirke,A., Flowers,K., Cerrato,F., Birren,B.W., Gallagher,G., Smole,S., Park,D.J., MacInnis,B.L., Ryan,E., LaRocque,R., Rosenberg,E. and Sabeti,P.C.
EPI_ISL_791729, EPI_ISL_791730, EPI_ISL_791731, EPI_ISL_791732, EPI_ISL_791733, EPI_ISL_791734, EPI_ISL_791735, EPI_ISL_791736, EPI_ISL_791737, EPI_ISL_791738, EPI_ISL_791739, EPI_ISL_791740, EPI_ISL_791741, EPI_ISL_791742, EPI_ISL_791743, EPI_ISL_791744, EPI_ISL_791745, EPI_ISL_791746, EPI_ISL_791747, EPI_ISL_791748, EPI_ISL_791749, EPI_ISL_791750, EPI_ISL_791751, EPI_ISL_791752, EPI_ISL_791753, EPI_ISL_791754, EPI_ISL_791755, EPI_ISL_791756, EPI_ISL_791757, EPI_ISL_791758, EPI_ISL_791759, EPI_ISL_791760, EPI_ISL_791761, EPI_ISL_791762, EPI_ISL_791763, EPI_ISL_791764, EPI_ISL_791765, EPI_ISL_791766, EPI_ISL_791767, EPI_ISL_791768, EPI_ISL_791769, EPI_ISL_791770, EPI_ISL_791771, EPI_ISL_791772, EPI_ISL_791773, EPI_ISL_791774, EPI_ISL_791775, EPI_ISL_791776, EPI_ISL_791777, EPI_ISL_791778, EPI_ISL_791779, EPI_ISL_791780, EPI_ISL_791781, EPI_ISL_791782, EPI_ISL_791783, EPI_ISL_791784, EPI_ISL_791785, EPI_ISL_791786, EPI_ISL_791787, EPI_ISL_791788, EPI_ISL_791789, EPI_ISL_791790, EPI_ISL_791791, EPI_ISL_791792, EPI_ISL_791793, EPI_ISL_791794, EPI_ISL_791795, EPI_ISL_791796, EPI_ISL_791797, EPI_ISL_791798, EPI_ISL_791799, EPI_ISL_791800, EPI_ISL_791801, EPI_ISL_791802, EPI_ISL_791803, EPI_ISL_791804, EPI_ISL_791805, EPI_ISL_791806, EPI_ISL_791807, EPI_ISL_791808, EPI_ISL_791809, EPI_ISL_791810, EPI_ISL_791811, EPI_ISL_791812, EPI_ISL_791813, EPI_ISL_791814, EPI_ISL_791815, EPI_ISL_791816, EPI_ISL_791817, EPI_ISL_791818, EPI_ISL_791819, EPI_ISL_791820, EPI_ISL_791821, EPI_ISL_791822, EPI_ISL_791823, EPI_ISL_791824, EPI_ISL_791825, EPI_ISL_791826, EPI_ISL_791827, EPI_ISL_791828, EPI_ISL_791829, EPI_ISL_791830, EPI_ISL_791831, EPI_ISL_791832, EPI_ISL_791833, EPI_ISL_791834, EPI_ISL_791835, EPI_ISL_791836, EPI_ISL_791837, EPI_ISL_791838, EPI_ISL_791839, EPI_ISL_791840, EPI_ISL_791841, EPI_ISL_791842, EPI_ISL_791843, EPI_ISL_791844, EPI_ISL_791845, EPI_ISL_791846, EPI_ISL_791847, EPI_ISL_791848, EPI_ISL_791849, EPI_ISL_791850, EPI_ISL_791851, EPI_ISL_791852, EPI_ISL_791853, EPI_ISL_791854, EPI_ISL_791855, EPI_ISL_791856, EPI_ISL_791857, EPI_ISL_791858, EPI_ISL_791859, EPI_ISL_791860, EPI_ISL_791861, EPI_ISL_791862, EPI_ISL_791863, EPI_ISL_791864, EPI_ISL_791865, EPI_ISL_791866, EPI_ISL_791867, EPI_ISL_791868, EPI_ISL_791869, EPI_ISL_791870, EPI_ISL_791871, EPI_ISL_791872, EPI_ISL_791873, EPI_ISL_791874, EPI_ISL_791875, EPI_ISL_791876, EPI_ISL_791877, EPI_ISL_791878, EPI_ISL_791879, EPI_ISL_791880, EPI_ISL_791881, EPI_ISL_791882, EPI_ISL_791883, EPI_ISL_791884, EPI_ISL_791885, EPI_ISL_791886, EPI_ISL_791887, EPI_ISL_791888, EPI_ISL_791889, EPI_ISL_791890, EPI_ISL_791891, EPI_ISL_791892, EPI_ISL_791893, EPI_ISL_791894, EPI_ISL_791895, EPI_ISL_791896, EPI_ISL_791897, EPI_ISL_791898, EPI_ISL_791899, EPI_ISL_791900, EPI_ISL_791901, EPI_ISL_791902, EPI_ISL_791903, EPI_ISL_791904, EPI_ISL_791905, EPI_ISL_791906, EPI_ISL_791907, EPI_ISL_791908, EPI_ISL_791909, EPI_ISL_791910, EPI_ISL_791911, EPI_ISL_791912, EPI_ISL_791913, EPI_ISL_791914, EPI_ISL_791915, EPI_ISL_791916, EPI_ISL_791917, EPI_ISL_791918, EPI_ISL_791919, EPI_ISL_791920, EPI_ISL_791921, EPI_ISL_791922, EPI_ISL_791923, EPI_ISL_791924, EPI_ISL_791925, EPI_ISL_791926, EPI_ISL_791927, EPI_ISL_791928, EPI_ISL_791929, EPI_ISL_791930, EPI_ISL_791931, EPI_ISL_791932, EPI_ISL_791933, EPI_ISL_791934, EPI_ISL_791935, EPI_ISL_791936, EPI_ISL_791937, EPI_ISL_791938, EPI_ISL_791939, EPI_ISL_791940, EPI_ISL_791941, EPI_ISL_791942, EPI_ISL_791943, EPI_ISL_791944, EPI_ISL_791945, EPI_ISL_791946, EPI_ISL_791947, EPI_ISL_791948, EPI_ISL_791949, EPI_ISL_791950, EPI_ISL_791951, EPI_ISL_791952, EPI_ISL_791953, EPI_ISL_791954, EPI_ISL_791955, EPI_ISL_791956, EPI_ISL_791957, EPI_ISL_791958, EPI_ISL_791959, EPI_ISL_791960, EPI_ISL_791961, EPI_ISL_791962, EPI_ISL_791963, EPI_ISL_791964, EPI_ISL_791965, EPI_ISL_791966, EPI_ISL_791967, EPI_ISL_791968, EPI_ISL_791969	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., Cusick,C., Chapman,S.B., Gnirke,A., Flowers,K., Cerrato,F., Birren,B.W., Gallagher,G., Smole,S., Park,D.J., MacInnis,B.L., Ryan,E., LaRocque,R., Rosenberg,E. and Sabeti,P.C.
EPI_ISL_792092, EPI_ISL_792093, EPI_ISL_792094, EPI_ISL_792095, EPI_ISL_792096, EPI_ISL_792097, EPI_ISL_792098, EPI_ISL_792099, EPI_ISL_792100	EPI_ISL_792557	UW Virology Lab	UW Virology Lab	Pavitra Roychoudhury, Hong Xie, Lasata Shrestha, Meeli-Li Huang, Keith R Jerome, Alexander Greninger
EPI_ISL_792558, EPI_ISL_792559	EPI_ISL_792655, EPI_ISL_792656, EPI_ISL_792657, EPI_ISL_792658, EPI_ISL_792659, EPI_ISL_792660, EPI_ISL_792661, EPI_ISL_792662, EPI_ISL_792663, EPI_ISL_792664, EPI_ISL_792665, EPI_ISL_792666, EPI_ISL_792667, EPI_ISL_792668, EPI_ISL_792669, EPI_ISL_792670, EPI_ISL_792671, EPI_ISL_792672, EPI_ISL_792673, EPI_ISL_792674, EPI_ISL_792675, EPI_ISL_792676, EPI_ISL_792677, EPI_ISL_792678	Connecticut State Department of Public Health	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Chantal Vogels, Anderson Brito, Nagarjuna Cheemarla, Ellen Foxman, Anthony Muyombwe, Jafar Razeq, Nathan Grubaugh
see above	see above	Grubaugh Lab - Yale School of Public Health	Grubaugh Lab - Yale School of Public Health	Joseph Fauver, Tara Alpert, Anderson Brito, Nathan Grubaugh
EPI_ISL_792679	see above	Los Angeles County PHL	Los Angeles County PHL	P. Hemarajata et al.
EPI_ISL_794014, EPI_ISL_794015, EPI_ISL_794016, EPI_ISL_794017, EPI_ISL_794018, EPI_ISL_794019, EPI_ISL_794020, EPI_ISL_794021, EPI_ISL_794022, EPI_ISL_794023, EPI_ISL_794024, EPI_ISL_794025, EPI_ISL_794026, EPI_ISL_794027, EPI_ISL_794028, EPI_ISL_794029, EPI_ISL_794030, EPI_ISL_794031, EPI_ISL_794032, EPI_ISL_794033, EPI_ISL_794034, EPI_ISL_794035, EPI_ISL_794036, EPI_ISL_794037, EPI_ISL_794038, EPI_ISL_794039, EPI_ISL_794040, EPI_ISL_794041, EPI_ISL_794042, EPI_ISL_794043, EPI_ISL_794044, EPI_ISL_794045, EPI_ISL_794046, EPI_ISL_794047, EPI_ISL_794048, EPI_ISL_794049, EPI_ISL_794050, EPI_ISL_794051, EPI_ISL_794052, EPI_ISL_794053, EPI_ISL_794054, EPI_ISL_794055, EPI_ISL_794056, EPI_ISL_794057, EPI_ISL_794058, EPI_ISL_794059, EPI_ISL_794060, EPI_ISL_794061, EPI_ISL_794062, EPI_ISL_794063, EPI_ISL_794064, EPI_ISL_794065, EPI_ISL_794066, EPI_ISL_794067, EPI_ISL_794068, EPI_ISL_794069, EPI_ISL_794070, EPI_ISL_794071, EPI_ISL_794072, EPI_ISL_794073, EPI_ISL_794074, EPI_ISL_794075, EPI_ISL_794076, EPI_ISL_794077, EPI_ISL_794078, EPI_ISL_794079, EPI_ISL_794080, EPI_ISL_794081, EPI_ISL_794082	see above	Olive View Medical Center	Los Angeles County PHL	P. Hemarajata et al.
see above	see above	Wadsworth Center, New York State Department.of Health	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_794083, EPI_ISL_794084, EPI_ISL_794085, EPI_ISL_794086, EPI_ISL_794087, EPI_ISL_794088, EPI_ISL_794089, EPI_ISL_794090, EPI_ISL_794091, EPI_ISL_794092, EPI_ISL_794093, EPI_ISL_794094, EPI_ISL_794095, EPI_ISL_794096, EPI_ISL_794097, EPI_ISL_794098, EPI_ISL_794099, EPI_ISL_794100, EPI_ISL_794101, EPI_ISL_794102, EPI_ISL_794103, EPI_ISL_794104, EPI_ISL_794105, EPI_ISL_794106	see above	URMC LABS	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
see above	see above	GLENS FALLS HOSPITAL LABORATORY	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_794119, EPI_ISL_794120, EPI_ISL_794121, EPI_ISL_794122, EPI_ISL_794123, EPI_ISL_794124, EPI_ISL_794125, EPI_ISL_794126, EPI_ISL_794127, EPI_ISL_794128, EPI_ISL_794129, EPI_ISL_794130, EPI_ISL_794131, EPI_ISL_794132, EPI_ISL_794133, EPI_ISL_794134, EPI_ISL_794135, EPI_ISL_794136, EPI_ISL_794137, EPI_ISL_794138, EPI_ISL_794139, EPI_ISL_794140, EPI_ISL_794141, EPI_ISL_794142, EPI_ISL_794143, EPI_ISL_794144, EPI_ISL_794145, EPI_ISL_794146, EPI_ISL_794147, EPI_ISL_794148, EPI_ISL_794149, EPI_ISL_794150, EPI_ISL_794151, EPI_ISL_794152, EPI_ISL_794153, EPI_ISL_794154, EPI_ISL_794155, EPI_ISL_794156, EPI_ISL_794157, EPI_ISL_794158	see above	NORTHWELL HEALTH LABORATORIES	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_794159, EPI_ISL_794160, EPI_ISL_794161, EPI_ISL_794162, EPI_ISL_794163, EPI_ISL_794164, EPI_ISL_794165, EPI_ISL_794166, EPI_ISL_794167, EPI_ISL_794168, EPI_ISL_794169, EPI_ISL_794170, EPI_ISL_794171, EPI_ISL_794172, EPI_ISL_794173, EPI_ISL_794174, EPI_ISL_794175, EPI_ISL_794176, EPI_ISL_794177, EPI_ISL_794178, EPI_ISL_794179, EPI_ISL_794180, EPI_ISL_794181	see above	Wadsworth Center, New York State Department.of Health	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_794182, EPI_ISL_794183, EPI_ISL_794184, EPI_ISL_794185, EPI_ISL_794186, EPI_ISL_794187, EPI_ISL_794188, EPI_ISL_794189, EPI_ISL_794190, EPI_ISL_794191, EPI_ISL_794192, EPI_ISL_794193, EPI_ISL_794194, EPI_ISL_794195, EPI_ISL_794196, EPI_ISL_794197, EPI_ISL_794198, EPI_ISL_794199, EPI_ISL_794200, EPI_ISL_794201, EPI_ISL_794202, EPI_ISL_794203, EPI_ISL_794204, EPI_ISL_794205	see above	URMC LABS	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist

EPI_ISL_794206, EPI_ISL_794207	Wadsworth Center, New York State Department.of Health	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
EPI_ISL_794208, EPI_ISL_794209, EPI_ISL_794210, EPI_ISL_794211, EPI_ISL_794212, EPI_ISL_794213, EPI_ISL_794214, EPI_ISL_794215, EPI_ISL_794216, EPI_ISL_794217, EPI_ISL_794218, EPI_ISL_794219, EPI_ISL_794220, EPI_ISL_794221, EPI_ISL_794222, EPI_ISL_794223, EPI_ISL_794224, EPI_ISL_794225, EPI_ISL_794226, EPI_ISL_794227, EPI_ISL_794228, EPI_ISL_794229, EPI_ISL_794230, EPI_ISL_794231, EPI_ISL_794232, EPI_ISL_794233, EPI_ISL_794234, EPI_ISL_794235, EPI_ISL_794236, EPI_ISL_794237, EPI_ISL_794238, EPI_ISL_794239, EPI_ISL_794240, EPI_ISL_794241, EPI_ISL_794242, EPI_ISL_794243, EPI_ISL_794244, EPI_ISL_794245, EPI_ISL_794246, EPI_ISL_794247, EPI_ISL_794248, EPI_ISL_794249, EPI_ISL_794250, EPI_ISL_794251, EPI_ISL_794252, EPI_ISL_794253, EPI_ISL_794254, EPI_ISL_794255, EPI_ISL_794256, EPI_ISL_794257, EPI_ISL_794258, EPI_ISL_794259, EPI_ISL_794260, EPI_ISL_794261, EPI_ISL_794262, EPI_ISL_794263, EPI_ISL_794264, EPI_ISL_794265, EPI_ISL_794266, EPI_ISL_794267, EPI_ISL_794268, EPI_ISL_794269, EPI_ISL_794270, EPI_ISL_794271, EPI_ISL_794272, EPI_ISL_794273, EPI_ISL_794274, EPI_ISL_794275, EPI_ISL_794276, EPI_ISL_794277, EPI_ISL_794278, EPI_ISL_794279, EPI_ISL_794280, EPI_ISL_794281, EPI_ISL_794282	WESTCHESTER MEDICAL CENTER	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
see above			
EPI_ISL_794283, EPI_ISL_794284, EPI_ISL_794285, EPI_ISL_794286, EPI_ISL_794287, EPI_ISL_794288, EPI_ISL_794289, EPI_ISL_794290, EPI_ISL_794291, EPI_ISL_794292, EPI_ISL_794293, EPI_ISL_794294, EPI_ISL_794295, EPI_ISL_794296, EPI_ISL_794297, EPI_ISL_794298, EPI_ISL_794299, EPI_ISL_794300, EPI_ISL_794301, EPI_ISL_794302, EPI_ISL_794303, EPI_ISL_794304, EPI_ISL_794305, EPI_ISL_794306, EPI_ISL_794307	Columbia University Irving Medical Center	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
see above			
EPI_ISL_794308, EPI_ISL_794309, EPI_ISL_794310, EPI_ISL_794311, EPI_ISL_794312, EPI_ISL_794313, EPI_ISL_794314, EPI_ISL_794315, EPI_ISL_794316, EPI_ISL_794317, EPI_ISL_794318, EPI_ISL_794319, EPI_ISL_794320	Wadsworth Center, New York State Department.of Health	Wadsworth Center, New York State Department.of Health	Kirsten St. George, Daryl M. Lamson, Alexis Russel, Matthew Shudt, Melissa A Leisner, Jonathan Plitnick, Navjot Singh, John Kelly, Sara Griesemer, Erasmus Schneider, Erica Lasek-Nesselquist
see above			