

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.

Accession ID	Originating Laboratory	Submitting Laboratory	Authors	
EPI_ISL_1445416, EPI_ISL_1479495, EPI_ISL_1479527, EPI_ISL_1479576, EPI_ISL_1560115, EPI_ISL_1560116, EPI_ISL_1562903, EPI_ISL_1562906, EPI_ISL_1563129, EPI_ISL_1563306, EPI_ISL_1648983, EPI_ISL_1649010, EPI_ISL_1649194, EPI_ISL_1649710, EPI_ISL_1667513, EPI_ISL_1685968, EPI_ISL_1687028, EPI_ISL_1687526, EPI_ISL_1687623, EPI_ISL_1687624, EPI_ISL_1687628, EPI_ISL_1687843, EPI_ISL_1688431, EPI_ISL_1689077, EPI_ISL_1689089, EPI_ISL_1702120, EPI_ISL_1736324, EPI_ISL_1737125, EPI_ISL_1753550, EPI_ISL_1925164, EPI_ISL_1925165, EPI_ISL_1995377, EPI_ISL_1995583, EPI_ISL_1995595, EPI_ISL_1996239, EPI_ISL_1996247, EPI_ISL_1996588, EPI_ISL_1998039, EPI_ISL_1998044, EPI_ISL_1999720, EPI_ISL_2000514, EPI_ISL_2041346, EPI_ISL_2041369, EPI_ISL_2043104, EPI_ISL_2089870, EPI_ISL_2090068, EPI_ISL_2090470, EPI_ISL_2146164, EPI_ISL_2146488, EPI_ISL_2147575, EPI_ISL_2147639, EPI_ISL_2148003, EPI_ISL_2148649, EPI_ISL_2149200, EPI_ISL_2149281, EPI_ISL_2149283, EPI_ISL_2149502, EPI_ISL_2149994, EPI_ISL_2150276, EPI_ISL_2150933, EPI_ISL_2150963, EPI_ISL_2180582, EPI_ISL_2181262, EPI_ISL_2181358, EPI_ISL_2185072, EPI_ISL_2185703, EPI_ISL_2185718, EPI_ISL_2185948, EPI_ISL_2202272, EPI_ISL_2202373, EPI_ISL_2241684, EPI_ISL_2242052, EPI_ISL_2242816, EPI_ISL_2243107, EPI_ISL_2243161, EPI_ISL_2243767, EPI_ISL_2244246, EPI_ISL_2280666, EPI_ISL_2280933, EPI_ISL_2370399, EPI_ISL_2370401, EPI_ISL_2489744, EPI_ISL_2489745, EPI_ISL_2489747, EPI_ISL_2785069, EPI_ISL_2785070, EPI_ISL_2785442, EPI_ISL_3217684, EPI_ISL_3321500, EPI_ISL_3322733, EPI_ISL_3323846, EPI_ISL_3324668, EPI_ISL_3324875	see above	Aegis Sciences Corporation	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Adrian Paskey; Alec Vest; Benjamin Rambo-Martin; Christopher Gulvick; Clinton R. Paden; Cyndi Clark; Dakota Howard; Darlene Wagner; Dhvani Batra; Dillon Nall; Duncan MacCannell; Ethan Sanders; Holly Houdeshell; Jason Caravas; Kara Moser; Matthew Hardison; Matthew Schmerer; Ola Kvalvaag; Patrick Campbell; Peter W. Cook; Rob Case; Scott Sammons; Shatavia Morrison; Shaun Westlund; Vikramsinha Ghorpade; Yvette Unoarumhi
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EPI_ISL_1444170, EPI_ISL_1512390, EPI_ISL_1679511, EPI_ISL_1735223, EPI_ISL_1803584, EPI_ISL_1942159	Helix/Illumina	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Adrian Paskey; Alexandre Bolze; Ary Ascencio; Ben L. Rambo-Martin; Benjamin Rambo-Martin; Brad Sickler; Charlotte Rivera-Garcia; Christine Tran; Christopher Gulvick; Clinton R. Paden; Dakota Howard; Darlene Wagner; David Becker; Dhvani Batra; Duncan MacCannell; Efrén Sandoval; Eileen de Feo; Elizabeth Cirulli; Eric Allen; Geraint Levan; James Lu; Jan Antico; Jason Nguyen; Jason Caravas; Jason Nguyen; Jimmy Ramirez; Jingtao Liu; Kara Moser; Kelly Schiabor Barrett; Kim Gietzen; Magnus Isaksson; Marc Laurent; Matthew Schmerer; Matthew Tolentino; Nicole L. Washington; Peter W. Cook; Phil Febbo; Ryan Cho; Scott Sammons; Shannon Wickline; Shatavia Morrison; Sherry Wang; Simon White; Summer Galloway; Suxiang Tong; Tyler Cassens; William Lee; Yvette Unoarumhi	
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EPI_ISL_2451942, EPI_ISL_2451943, EPI_ISL_2451944, EPI_ISL_2451945, EPI_ISL_2451946, EPI_ISL_2451947, EPI_ISL_2451948, EPI_ISL_2451949	see above	ME Health and Environmental Testing Laboratory	Centers for Disease Control and Prevention Division of Viral Diseases, Pathogen Discovery	Alex Burgin; Alison Lauffer Halpin; Anna Montmayeur; Anna Uehara; Ben L. 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EPI_ISL_1408894, EPI_ISL_1509942, EPI_ISL_1624207, EPI_ISL_1624208, EPI_ISL_1624209	ME Health and Environmental Testing Laboratory	Genomics and Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Adam Retchless; Anna Kelleher; Anna Montmayeur; Anna Uehara; Brian Lynch; Clinton R. Paden; Haibin Wang; Han Jia Justin Ng; Jing Zhang; Justin Lee; Krista Queen; Mark Burroughs; Peter Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao	
EPI_ISL_1660527, EPI_ISL_1759388, EPI_ISL_1759389, EPI_ISL_1759394, EPI_ISL_1759395	ME Health and Environmental Testing Laboratory	Pathogen Discovery, Respiratory Viruses Branch, Division of Viral Diseases, Centers for Disease Control and Prevention	Adam Retchless; Anna Kelleher; Anna Montmayeur; Anna Uehara; Brian Lynch; Clinton R. Paden; Haibin Wang; Han Jia Justin Ng; Jing Zhang; Justin Lee; Krista Queen; Mark Burroughs; Peter Cook; Rachel Marine; Suxiang Tong; Yan Li; Ying Tao	
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EPI_ISL_1195891	NYU Langone Health	Departments of Pathology and Medicine, New York University School of Medicine	Adriana Heguy; Christian Marier; Dacia Dimartino; Emily Guzman; Gael Westby; Guiqing Wang; Paolo Cotzia; Paul Zappile; Peter Meyn; Sitharam Ramaswami; Yutong Zhang

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see above

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Anderson, B.; Bernstein, D.F.; Gerasimova, A.; Hua, M.; I.A.; K.E.; Kagan, L.E.; Lacabawn, F.; Liu, Y.; Livingston, Owen, R.; Perez, A.; R.M.; Rosenthal, S.H.; Shalhoub, Shlyakhter, Tanpaiboon, P.

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see above Quest Diagnostics Centers for Disease Control and Prevention Division of Viral A. Gerasimova; A. Perez; Adrian Paskey; B. Anderson; Ben L. Rambo-Martin; Benjamin Rambo-Martin; Christopher Gulvick; Clinton R. Paden; Dakota Howard; Darlene Wagner; Dhwanj Batra; Duncan MacCannell; J. Labcang; L. A. Shylke; Jason Caravay; K.E. Livingston; Kara Moser; L.E. Bernstein; M. Hua; Matthew Schmerer; P. Tanpalambon; Peter W. Cook; R. M. Kagan; R. Owen; R. V. Rolando; S. H. Rosenthal; Scott Sammons; Shatavia Morrison; Suxiang Tong; Y. Liu; Yvette Unoaumorn

[EPI_ISL_1086386](#), [EPI_ISL_1086387](#), [EPI_ISL_1086405](#), [EPI_ISL_1086406](#), [EPI_ISL_1086407](#), [EPI_ISL_1086408](#), [EPI_ISL_1086487](#), [EPI_ISL_1086491](#), [EPI_ISL_1086493](#), [EPI_ISL_1086501](#), [EPI_ISL_1086513](#), [EPI_ISL_1086516](#), [EPI_ISL_1086517](#), [EPI_ISL_1086874](#), [EPI_ISL_1086945](#), [EPI_ISL_1086967](#), [EPI_ISL_1086971](#), [EPI_ISL_1086999](#), [EPI_ISL_1087004](#), [EPI_ISL_1087006](#), [EPI_ISL_1087008](#), [EPI_ISL_1087037](#), [EPI_ISL_1087057](#), [EPI_ISL_1087062](#), [EPI_ISL_1087073](#), [EPI_ISL_1087074](#), [EPI_ISL_1087111](#), [EPI_ISL_1087549](#), [EPI_ISL_1087559](#), [EPI_ISL_1087564](#), [EPI_ISL_1087569](#), [EPI_ISL_1087582](#), [EPI_ISL_1087589](#), [EPI_ISL_1087591](#), [EPI_ISL_1087593](#), [EPI_ISL_1087594](#), [EPI_ISL_1087595](#), [EPI_ISL_1087598](#), [EPI_ISL_1087599](#), [EPI_ISL_1087644](#), [EPI_ISL_1087652](#), [EPI_ISL_1087702](#), [EPI_ISL_1087979](#), [EPI_ISL_1088084](#), [EPI_ISL_1088085](#), [EPI_ISL_1088088](#), [EPI_ISL_1088104](#), [EPI_ISL_1088161](#), [EPI_ISL_1088208](#), [EPI_ISL_1088259](#), [EPI_ISL_1088272](#), [EPI_ISL_1088298](#), [EPI_ISL_1088338](#), [EPI_ISL_1090306](#), [EPI_ISL_1090533](#), [EPI_ISL_1090553](#), [EPI_ISL_1090606](#), [EPI_ISL_1090678](#), [EPI_ISL_1090859](#), [EPI_ISL_1090884](#), [EPI_ISL_1090937](#), [EPI_ISL_1090946](#), [EPI_ISL_1104033](#), [EPI_ISL_1114042](#), [EPI_ISL_1114045](#), [EPI_ISL_1114056](#), [EPI_ISL_1114065](#), [EPI_ISL_1114107](#), [EPI_ISL_1114123](#), [EPI_ISL_1114142](#), [EPI_ISL_1139236](#), [EPI_ISL_1139272](#), [EPI_ISL_1139282](#), [EPI_ISL_1139333](#), [EPI_ISL_1139524](#), [EPI_ISL_1139540](#), [EPI_ISL_1139571](#), [EPI_ISL_1139632](#), [EPI_ISL_1159613](#), [EPI_ISL_1159617](#)

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EPI_ISL_884636, EPI_ISL_884676, EPI_ISL_2254465, EPI_ISL_2254480, EPI_ISL_3091764	Respiratory Viruses Branch, Centers for Disease Control and Prevention	Respiratory Viruses Branch, Centers for Disease Control and Prevention	Allen, E.; Anderson, B.; Antico, J.; Ascencio, A.; B.L.; Barret; Batra, D.; Becker, D.; Bernstein, L.; Bolze, A.; C.R.; Campbell, P.; Caravas, J.; Case, R.; Cassens, T.; Cho, R.; Cirulli, E.; Clark, C.; Cook; Febbo, P.; Galloway, S.; Gerasimova, A.; Ghorpade, V.; Gietzen, K.; Gulvick, C.; Hardison, M.; Houdeshell, H.; Howard, D.; Hua, M.; I.A.; Isaksson, M.; K.S.; Kagan; Kvalvaag, O.; Lacbawan, F.; Laurent, M.; Lee, W.; Levan, G.; Liu, J.; Liu, Y.; Livingston, K.; Lu, J.; MacCannell, D.; Morrison, S.; Moser, K.; N.L.; Nall, D.; Nguyen, J.; Owen, R.; P.W.; Paden; Paskey, A.; Perez, A.; R.M.; R.V.; Rambo-Martin; Rambo-Martin, B.; Ramirez, J.; Rivera-Garcia, C.; Rolando; Rosenthal; S.H.; Sammons, S.; Sanders, E.; Sandoval, E.; Schmeier, M.; Shlyakhter; Sickler, B.; Tanpaiboon, P.; Tolentino, M.; Tong, S.; Tran, C.; Unoarumhi, Y.; Vest, A.; Wagner, D.; Wang, S.; Washington; Westlund, S.; White, S.; Wickline, S.; de Feo, E.

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see above	The Jackson Laboratory	The Jackson Laboratory	Adams M; Bergeron D; Kelly K; Li L; Lloyd M; Long J; Maurya R; Omerza G; Renzette N; Sanderson B; Srivastava A; Uvalic J; Wei C L
EPI_ISL_1036799, EPI_ISL_1036800	US Air Force School of Aerospace Medicine	US Air Force School of Aerospace Medicine	Amanda Javorina; Anthony Fries; Clarise Starr; Elizabeth Macias; Jennifer Meyer; Sarah Purves; William Buggele; William Gruner
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see above	VA Connecticut Healthcare System	Yale Center for Genomic Analysis	Brooke Sullivan; Curt Scharfe; Irina Tikhonova; Kaya Bilguvar; Shrikant Mane