Virus detail	
Virus name:	hCoV-19/USA/VA-GBW-H20-330-6734/2023
Accession ID:	EPI_ISL_18121060
Type:	betacoronavirus
Clade:	GRA
Pango Lineage:	BA.2.86 (marker override)
AA Substitutions:	Spike A27S, Spike A264D, Spike A570V, Spike D405N, Spike D614G, Spike E484K, Spike E554K, Spike F157S, Spike F486P, Spike G142D, Spike G339H, Spike G446S, Spike H69del, Spike H245N, Spike H655Y, Spike I332V, Spike K356T, Spike K417N, Spike L24del, Spike L216F, Spike L452W, Spike N440K, Spike N450D, Spike N460K, Spike N481K, Spike N501Y, Spike N679K, Spike N764K, Spike N969K, Spike P25del, Spike P26del, Spike P621S, Spike P681R, Spike P1143L, Spike Q498R, Spike Q954H, Spike R21T, Spike R158G, Spike R403K, Spike R408S, Spike S50L, Spike S371F, Spike S373P, Spike S375F, Spike S477N, Spike S939F, Spike T19I, Spike T376A, Spike T478K, Spike V70del, Spike V127F, Spike V445H, Spike V483del, Spike Y144del, Spike Y505H, E T9I, M A63T, M A104V, M D3H, M Q19E, M T30A, N E31del, N G204R, N P13L, N Q229K, N R32del, N R203K, N S33del, N S413R, NS3 T223I, NSP1 S135R, NSP2 A31D, NSP3 A1892T, NSP3 G489S, NSP3 N1708S, NSP3 T24I, NSP3 V238L, NSP4 L264F, NSP4 T327I, NSP4 T492I, NSP5 P132H, NSP6 F108del, NSP6 G107del, NSP6 S106del, NSP9 T35I, NSP12 P323L, NSP13 R392C, NSP14 I42V, NSP15 T112I
Variant:	VUM GRA (BA.2.86) first detected in Denmark/Israel/USA
Passage details/history:	Original
Sample information	
Collection date:	2023-08-10
Location:	North America / USA / Virginia / Loudoun County
Host:	Human
Additional location information:	Travel history: Asia / Japan
Gender:	Female
Patient age:	unknown
Patient status:	Asymptomatic
Specimen source:	Anterior Nasal swab
Additional host information:	Traveler from Japan
Sampling strategy:	
Outbreak:	
Last vaccinated:	10/01/2022
Treatment:	
Sequencing technology:	Illumina NovaSeq; ARTICv5; tagmentation
Assembly method:	BWA MEM; bamclipper; FreeBayes; bcftools
Coverage:	96.3x
Comment:	Stretches of NNNs (3.28% of overall sequence). Gap of 65 nucleotides when compared to the reference WIV04 sequence.
Institute information	
Originating lab:	Clinical Enterprise Airport (DC Indv)
Address:	175 Crossing Blvd, Ste 400, Framingham, MA 01702
Sample ID given by the originating laboratory:	H20-330-6734
Submitting lab:	Ginkgo Bioworks Clinical Laboratory / XpressCheck
Address:	27 Drydock Avenue, Boston MA, 02210
Sample ID given by the submitting laboratory:	
Authors:	Keith Robison, Dongjuan Dai, Brintha P. Girinathan, Allison L. Hicks, Bryan Cosca, Alex M. Plocik, Birgitte B. Simen
Submitter information	
Submitter:	Rothstein, Andrew
Submission Date:	2023-08-21
Address:	

conditions, and by viewing or using such data you agree to be bound by the terms of the GISAID EpiFlu™ Database Access Agreement in respect of such data in the same manner as if they were data relating to influenza viruses.