**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/SC-CDC-LC0010408/2021 ORF1ab polyprotein (ORF1ab), ORF1a polyprotein (ORF1ab), surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotein (M), ORF6 p...**

GenBank: MW667552.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/MW667552.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/MW667552.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/MW667552.1" \l "goto1995070205_0)

LOCUS MW667552 29695 bp RNA linear VRL 27-JUL-2021

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/SC-CDC-LC0010408/2021 ORF1ab polyprotein

(ORF1ab), ORF1a polyprotein (ORF1ab), surface glycoprotein (S),

ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotein

(M), ORF6 protein (ORF6), ORF7a protein (ORF7a), and ORF7b (ORF7b)

genes, complete cds; ORF8 gene, complete sequence; and nucleocapsid

phosphoprotein (N) and ORF10 protein (ORF10) genes, complete cds.

ACCESSION MW667552

VERSION MW667552.1

KEYWORDS purposeofsampling:baselinesurveillance.

SOURCE Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

ORGANISM [Severe acute respiratory syndrome coronavirus 2](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2697049)

Viruses; Riboviria; Orthornavirae; Pisuviricota; Pisoniviricetes;

Nidovirales; Cornidovirineae; Coronaviridae; Orthocoronavirinae;

Betacoronavirus; Sarbecovirus.

REFERENCE 1 (bases 1 to 29695)

AUTHORS Cook,P.W., Howard,D.T., Batra,D., Rambo-Martin,B.L., de Feo,E.,

Antico,J., Tran,C., Tolentino,M., Wickline,S., Gietzen,K.,

Sickler,B., Liu,J., Allen,E., Febbo,P., Galloway,S.,

Washington,N.L., White,S., Levan,G., Barrett,K.S., Cirulli,E.,

Bolze,A., Ascencio,A., Rivera-Garcia,C., Cho,R., Nguyen,J.,

Wang,S., Ramirez,J., Cassens,T., Sandoval,E., Isaksson,M., Lee,W.,

Becker,D., Laurent,M., Lu,J., Paden,C.R., Tong,S. and MacCannell,D.

TITLE CDC Sars CoV2 Sequencing Baseline Constellation

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 29695)

AUTHORS Cook,P.W., Howard,D.T., Batra,D., Rambo-Martin,B.L., de Feo,E.,

Antico,J., Tran,C., Tolentino,M., Wickline,S., Gietzen,K.,

Sickler,B., Liu,J., Allen,E., Febbo,P., Galloway,S.,

Washington,N.L., White,S., Levan,G., Barrett,K.S., Cirulli,E.,

Bolze,A., Ascencio,A., Rivera-Garcia,C., Cho,R., Nguyen,J.,

Wang,S., Ramirez,J., Cassens,T., Sandoval,E., Isaksson,M., Lee,W.,

Becker,D., Laurent,M., Lu,J., Paden,C.R., Tong,S. and MacCannell,D.

TITLE Direct Submission

JOURNAL Submitted (26-FEB-2021) Respiratory Viruses Branch, Centers for

Disease Control and Prevention, 1600 Clifton Rd, Atlanta, GA 30329,

USA

COMMENT ##Assembly-Data-START##

Assembly Method :: CLC Genomics

Sequencing Technology :: PacBio

##Assembly-Data-END##

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stem-loop 1"

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/product="ORF3a protein"

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LLVQ"

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/gene="ORF8"

/note="similar to ORF8 protein"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/MW667552.1?from=28202&to=29461) 28202..29461

/gene="N"

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/gene="N"

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/translation="MSDNGPQNQRNAPRITFGGPSDSTGSNQNGERSGARSKQRRPQG

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LPQGTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSRGISPARMAGNGGDAA

LALLLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGR

RGPEQTQGNFGDQELIRQGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWLTYT

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/note="Coronavirus 3' UTR pseudoknot stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/MW667552.1?from=29557&to=29585) 29557..29585

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/note="Coronavirus 3' UTR pseudoknot stem-loop 2"

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/note="Coronavirus 3' stem-loop II-like motif (s2m)"

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