**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/RI-CDC-2-4462325/2021 ORF1ab polyprotein (ORF1ab), ORF1a polyprotein (ORF1ab), and surface glycoprotein (S) genes, complete cds; ORF3a gene, complete sequence; and envelope protein (E...**

GenBank: MZ780550.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1" \l "goto2079764335_0)

LOCUS MZ780550 29861 bp RNA linear VRL 13-AUG-2021

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/RI-CDC-2-4462325/2021 ORF1ab polyprotein

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

genes, complete cds; ORF3a gene, complete sequence; and envelope

protein (E), membrane glycoprotein (M), ORF6 protein (ORF6), ORF7a

protein (ORF7a), ORF7b (ORF7b), ORF8 protein (ORF8), nucleocapsid

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

ACCESSION MZ780550

VERSION MZ780550.1

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 29861)

AUTHORS Sheth,M., Nobles,S., Padilla,J., Burgin,A., Bentz,M., Burroughs,M.,

Cook,P., Paden,C.R., Batra,D., Queen,K., Knipe,K., Howard,D.,

Unoarumhi,Y., Schmerer,M., Rambo-Martin,B.L., Lacek,K., Shepard,S.,

Wentworth,D., Dugan,V., Tong,S. and Lee,J.

TITLE National SARS-CoV-2 Surveillance

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 29861)

AUTHORS Sheth,M., Nobles,S., Padilla,J., Burgin,A., Bentz,M., Burroughs,M.,

Cook,P., Paden,C.R., Batra,D., Queen,K., Knipe,K., Howard,D.,

Unoarumhi,Y., Schmerer,M., Rambo-Martin,B.L., Lacek,K., Shepard,S.,

Wentworth,D., Dugan,V., Tong,S. and Lee,J.

TITLE Direct Submission

JOURNAL Submitted (11-AUG-2021) Biotechnology Core Facility Branch, Centers

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

30329, USA

COMMENT ##Assembly-Data-START##

Assembly Method :: IRMA v.09.5-beta

Sequencing Technology :: Illumina

##Assembly-Data-END##

FEATURES Location/Qualifiers

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stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?from=13485&to=13539) 13485..13539

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stem-loop 2"

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[misc\_feature](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?from=25390&to=26213) 25390..26213

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/note="similar to ORF3a protein"

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/gene="M"

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LLVQ"

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/gene="ORF7b"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?from=27887&to=28252) 27887..28252

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/codon\_start=1

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SFYEDFLEYHDVRVVLDFI"

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LALLLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGR

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?from=29551&to=29667) 29551..29667

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?from=29622&to=29650) 29622..29650

/gene="ORF10"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/MZ780550.1?from=29721&to=29761) 29721..29761

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

ORIGIN

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