**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/NJ-CDC-LC0054029/2021 ORF1ab polyprotein (ORF1ab), ORF1a polyprotein (ORF1ab), surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotein (M), ORF6 p...**

GenBank: MZ179869.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/MZ179869.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/MZ179869.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/MZ179869.1?expand-gaps=on" \l "goto2036536179_0)

LOCUS MZ179869 29701 bp RNA linear VRL 27-JUL-2021

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/NJ-CDC-LC0054029/2021 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 MZ179869

VERSION MZ179869.1

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 29701)

AUTHORS Howard,D., Batra,D., Cook,P.W., Moser,K., Paskey,A., Caravas,J.,

Rambo-Martin,B., Morrison,S., Gulvick,C., Sammons,S., Unoarumhi,Y.,

Wagner,D., Schmerer,M., Agarwal,M., Almasri,E., Boles,D., Burns,A.,

Charoensri,N., Cohen,O., Countryman,S., Cristobal,M.A., Croy,B.,

Dale,S., Deshmukh,H., Douglas,A., Drouillon,V., Eisenberg,M.,

Engler,H., Ghatti,R., Gupta,P., Hicks,S., Humphrey,J., Iyer,L.,

Jain,M., Kolli,M., Krueger,B., Kuphal,T., Letovsky,S.,

Levandoski,M., Lukasik,C., Meltzer,J., Norvell,B., Nye,M.,

Parker,S., Petropoulos,C., Pruitt,J., Ragan,S., Ryan,S., Sapeta,M.,

Schroth,J., Selvaraju,S.B., Stevovic,G., Suchanek,A., Throop,A.,

Tilson,L., Urban,T., Voshell,J., Wagner,K., Williams,J.,

Williamson,M., Zeng,Q., Zwiefelhofer,T., Paden,C.R. and

MacCannell,D.

TITLE National SARS-CoV-2 Surveillance Surveillance

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 29701)

AUTHORS Howard,D., Batra,D., Cook,P.W., Moser,K., Paskey,A., Caravas,J.,

Rambo-Martin,B., Morrison,S., Gulvick,C., Sammons,S., Unoarumhi,Y.,

Wagner,D., Schmerer,M., Agarwal,M., Almasri,E., Boles,D., Burns,A.,

Charoensri,N., Cohen,O., Countryman,S., Cristobal,M.A., Croy,B.,

Dale,S., Deshmukh,H., Douglas,A., Drouillon,V., Eisenberg,M.,

Engler,H., Ghatti,R., Gupta,P., Hicks,S., Humphrey,J., Iyer,L.,

Jain,M., Kolli,M., Krueger,B., Kuphal,T., Letovsky,S.,

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Parker,S., Petropoulos,C., Pruitt,J., Ragan,S., Ryan,S., Sapeta,M.,

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Tilson,L., Urban,T., Voshell,J., Wagner,K., Williams,J.,

Williamson,M., Zeng,Q., Zwiefelhofer,T., Paden,C.R. and

MacCannell,D.

TITLE Direct Submission

JOURNAL Submitted (12-MAY-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 Sequel II

##Assembly-Data-END##

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IPCTCGKQATKYLVQQESPFVMMSAPPAQYELKHGTFTCASEYTGNYQCGHYKHITSK

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stem-loop 1"

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stem-loop 2"

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/gene="ORF3a"

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/product="ORF3a protein"

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/translation="MDLFMRIFTIGTVTLKQGEIKDATPLDFVRATATIPIQASLPFG

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/gene="ORF8"

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/gene="ORF8"

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[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/MZ179869.1?from=29542&to=29577) 29542..29577

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/MZ179869.1?from=29562&to=29590) 29562..29590

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[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/MZ179869.1?from=29661&to=29701) 29661..29701

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

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