**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/MP-CDC-2-5772902/2022 ORF1ab polyprotein (ORF1ab) and ORF1a polyprotein (ORF1ab) genes, partial cds; and surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membran...**

GenBank: ON549899.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/ON549899.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/ON549899.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/ON549899.1?expand-gaps=on" \l "goto2240691476_0)

LOCUS ON549899 29411 bp RNA linear VRL 19-MAY-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/MP-CDC-2-5772902/2022 ORF1ab polyprotein

(ORF1ab) and ORF1a polyprotein (ORF1ab) genes, partial cds; and

surface glycoprotein (S), ORF3a protein (ORF3a), 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 ON549899

VERSION ON549899.1

DBLINK BioProject: [PRJNA689853](https://www.ncbi.nlm.nih.gov/bioproject/PRJNA689853)

BioSample: [SAMN28464207](https://www.ncbi.nlm.nih.gov/biosample/SAMN28464207)

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 29411)

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

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

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

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

TITLE National SARS-CoV-2 Surveillance

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 29411)

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

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

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

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

TITLE Direct Submission

JOURNAL Submitted (19-MAY-2022) Biotechnology Core Facility Branch, Centers

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

30329, USA

COMMENT ##Assembly-Data-START##

Assembly Method :: IRMA v1.0.2

Sequencing Technology :: Illumina

##Assembly-Data-END##

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HNWNCVNCDTFCAGSTFISDEVARDLSLQFKRPINPTDQSSYIVDSVTVKNGSIHLYF

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/product="leader protein"

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stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON549899.1?from=13139&to=13193) 13139..13193

/gene="ORF1ab"

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stem-loop 2"

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/product="ORF3a protein"

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/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

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NSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQ

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IKDLPKEITVATSRTLSYYKLGASQRVAGDSGFAAYSRYRIGNYKLNTDHSSSSDNIA

LLVQ"

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TENKYSQLDEEQPMEID"

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/translation="MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNS

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/protein\_id="[UQV42187.1](https://www.ncbi.nlm.nih.gov/protein/2240691488)"

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

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/gene="ORF10"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON549899.1?from=29352&to=29392) 29352..29392

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

ORIGIN

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