**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/2081650/2022 ORF1ab polyprotein (ORF1ab) gene, partial cds; and ORF1a polyprotein (ORF1ab), surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotei...**

GenBank: ON352711.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1" \l "goto2230769645_0)

LOCUS ON352711 29661 bp RNA linear VRL 26-APR-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/2081650/2022 ORF1ab polyprotein (ORF1ab) gene,

partial cds; and ORF1a polyprotein (ORF1ab), 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 ON352711

VERSION ON352711.1

DBLINK BioProject: [PRJNA736036](https://www.ncbi.nlm.nih.gov/bioproject/PRJNA736036)

BioSample: [SAMN27725526](https://www.ncbi.nlm.nih.gov/biosample/SAMN27725526)

KEYWORDS .

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 29661)

AUTHORS Reeb,V., Twait,E., Yakos,A., Knutson,M., Eveland,K., Zanon,K.,

Benfer,J., Hottel,W., Kampoowale,A., Sompallae,K. and El Allam,M.

TITLE IA SHL SARS-CoV-2

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 29661)

AUTHORS Reeb,V., Twait,E., Yakos,A., Knutson,M., Eveland,K., Zanon,K.,

Benfer,J., Hottel,W., Kampoowale,A., Sompallae,K. and El Allam,M.

TITLE Direct Submission

JOURNAL Submitted (25-APR-2022) Molecular, State Hygienic Laboratory at the

University of Iowa, 2490 Crosspark Rd, Coralville, IA 52241, USA

COMMENT ##Assembly-Data-START##

Assembly Method :: BIP v. Wv8

Sequencing Technology :: ClearLabsDX

##Assembly-Data-END##

FEATURES Location/Qualifiers

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stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1?from=13425&to=13479) 13425..13479

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/note="Coronavirus frameshifting stimulation element

stem-loop 2"

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/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

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LLVQ"

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/gene="ORF8"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1?from=27822&to=28187) 27822..28187

/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

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SFYEDFLEYHDVRVVLDFI"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1?from=28202&to=29452) 28202..29452

/gene="N"

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GTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSKRTSPARMAGNGGDAALAL

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1?from=29548&to=29576) 29548..29576

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON352711.1?from=29647&to=29661) 29647..>29661

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

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