**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/WV130199/2022 ORF1ab polyprotein (ORF1ab), ORF1a polyprotein (ORF1ab), surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotein (M), ORF6 protein (...**

GenBank: ON030252.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1" \l "goto2210101419_0)

LOCUS ON030252 29752 bp RNA linear VRL 21-MAR-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/WV130199/2022 ORF1ab polyprotein (ORF1ab),

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 ON030252

VERSION ON030252.1

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 29752)

AUTHORS Denvir,J., Stoilov,P., Perrotta,P., Kimble,W. and Percifield,R.

TITLE Direct Submission

JOURNAL Submitted (18-MAR-2022) Biomedical Sciences, Marshall University

School of Medicine, One John Marshall Drive, Huntington, WV 25755,

USA

COMMENT ##Assembly-Data-START##

Assembly Method :: BWA v. 0.7.17; iVar v. 1.3.1

Sequencing Technology :: Illumina

##Assembly-Data-END##

FEATURES Location/Qualifiers

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UNL30578.1?from=819&to=2762) 2666..8497

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stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1?from=13422&to=13476) 13422..13476

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/note="Coronavirus frameshifting stimulation element

stem-loop 2"

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CTFEYVSQPFLMDLEGKQGNFKNLREFVFKNIDGYFKIYSKHTPIIVREPEDLPQGFS

ALEPLVDLPIGINITRFQTLLALHRSYLTPGDSSSGWTAGAAAYYVGYLQPRTFLLKY

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1?from=25318&to=26145) 25318..26145

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/product="ORF3a protein"

/protein\_id="[UNL30580.1](https://www.ncbi.nlm.nih.gov/protein/2210101423)"

/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

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NSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQ

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/protein\_id="[UNL30583.1](https://www.ncbi.nlm.nih.gov/protein/2210101426)"

/translation="MFHLVDFQVTIAEILLIIMRTFKVSIWNLDYIINLIIKNLSKSL

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/gene="ORF8"

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/gene="N"

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1?from=29474&to=29590) 29474..29590

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1?from=29474&to=29590) 29474..29590

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON030252.1?from=29545&to=29573) 29545..29573

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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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