**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/TX-HHD-2205174858/2021, complete genome**

GenBank: ON762438.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1" \l "goto2252901368_0)

LOCUS ON762438 29852 bp RNA linear VRL 14-JUN-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/TX-HHD-2205174858/2021, complete genome.

ACCESSION ON762438

VERSION ON762438.1

DBLINK BioProject: [PRJNA764181](https://www.ncbi.nlm.nih.gov/bioproject/PRJNA764181)

BioSample: [SAMN29040527](https://www.ncbi.nlm.nih.gov/biosample/SAMN29040527)

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 29852)

AUTHORS Penn,R., Brown,P., Lara,A. and Lai,Y.

TITLE Direct Submission

JOURNAL Submitted (14-JUN-2022) Houston Health Department, Disease

Prevention and Control, 2250 Holcombe Blvd., Houston, TX 77030, USA

COMMENT ##Assembly-Data-START##

Assembly Method :: Terra v. June-2022

Sequencing Technology :: Illumina

##Assembly-Data-END##

FEATURES Location/Qualifiers

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/USE48333.1?from=819&to=2762) 2699..8530

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[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=13443&to=13470) 13443..13470

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/note="Coronavirus frameshifting stimulation element

stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=13455&to=13509) 13455..13509

/gene="ORF1ab"

/note="Coronavirus frameshifting stimulation element

stem-loop 2"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=21530&to=25342) 21530..25342

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=25351&to=26178) 25351..26178

/gene="ORF3a"

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/product="ORF3a protein"

/protein\_id="[USE48335.1](https://www.ncbi.nlm.nih.gov/protein/2252901372)"

/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

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LSTDTGVEHVTFFIYNKIVDEPEEHVQIHTIDGSSGVVNPVMEPIYDEPTTTTSVPL"

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/gene="E"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=26203&to=26430) 26203..26430

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LLVQ"

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/translation="MFHLVDFQVTIAEILLIIMRTFKVSIWNLDYIINLIIKNLSKSL

TENKYSQLDEEQPMEID"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=27352&to=27717) 27352..27717

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/product="ORF7a protein"

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/translation="MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNS

PFHPLADNKFALTCFSTQFAFACPDGVKHVYQLRARSVSPKLFIRQEEVQELYSPIFL

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=27714&to=27845) 27714..27845

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=27852&to=28217) 27852..28217

/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

/protein\_id="[USE48341.1](https://www.ncbi.nlm.nih.gov/protein/2252901378)"

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SFYEDFLEYHDVRVVLDFI"

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/gene="N"

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/gene="N"

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GTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSKRTSPARMAGNGGDAALAL

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=29507&to=29623) 29507..29623

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=29507&to=29623) 29507..29623

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[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=29558&to=29593) 29558..29593

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=29578&to=29606) 29578..29606

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON762438.1?from=29677&to=29717) 29677..29717

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

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