**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/CA-LACPHL-AF08677/2022, complete genome**

GenBank: ON376082.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1" \l "goto2231917702_0)

LOCUS ON376082 29684 bp RNA linear VRL 28-APR-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/CA-LACPHL-AF08677/2022, complete genome.

ACCESSION ON376082

VERSION ON376082.1

DBLINK BioProject: [PRJNA746690](https://www.ncbi.nlm.nih.gov/bioproject/PRJNA746690)

BioSample: [SAMN27960233](https://www.ncbi.nlm.nih.gov/biosample/SAMN27960233)

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 29684)

AUTHORS Garrigues,J.M., Hemarajata,P. and Green,N.M.

TITLE Direct Submission

JOURNAL Submitted (28-APR-2022) Los Angeles County Public Health

Laboratories, Los Angeles County Public Health Lab microbial

pathogen submission group, 12750 Erickson Avenue, Downey, CA 90242,

USA

COMMENT ##Assembly-Data-START##

Assembly Method :: Clear Labs BIP-Wv7 v. Clear Labs BIP-Wv7

Sequencing Technology :: ONT

##Assembly-Data-END##

FEATURES Location/Qualifiers

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UPP32709.1?from=181&to=818) 752..2665

/gene="ORF1ab"

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UPP32709.1?from=819&to=2762) 2666..8497

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UPP32709.1?from=2763&to=3262) 8498..9997

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UPP32709.1?from=3263&to=3568) 9998..10915

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UPP32709.1?from=3856&to=3938) 11777..12025

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UPP32709.1?from=3939&to=4136) 12026..12619

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[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=13410&to=13437) 13410..13437

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/note="Coronavirus frameshifting stimulation element

stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=13422&to=13476) 13422..13476

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/note="Coronavirus frameshifting stimulation element

stem-loop 2"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=21497&to=25309) 21497..25309

/gene="S"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=21497&to=25309) 21497..25309

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=25318&to=26145) 25318..26145

/gene="ORF3a"

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/product="ORF3a protein"

/protein\_id="[UPP32711.1](https://www.ncbi.nlm.nih.gov/protein/2231917706)"

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NSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQ

LSTDTGVEHVTFFIYNKIVDEPEEHVQIHTIDGSSGVVNPVMEPIYDEPTTTTSVPL"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=26170&to=26397) 26170..26397

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LLVQ"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=27127&to=27312) 27127..27312

/gene="ORF6"

/codon\_start=1

/product="ORF6 protein"

/protein\_id="[UPP32714.1](https://www.ncbi.nlm.nih.gov/protein/2231917709)"

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=27319&to=27684) 27319..27684

/gene="ORF7a"

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/gene="ORF7a"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=27681&to=27812) 27681..27812

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/gene="ORF8"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=27819&to=28184) 27819..28184

/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

/protein\_id="[UPP32717.1](https://www.ncbi.nlm.nih.gov/protein/2231917712)"

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SFYEDFLEYHDVRVVLDFI"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=28199&to=29449) 28199..29449

/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/ON376082.1?from=29474&to=29590) 29474..29590

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?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/ON376082.1?from=29545&to=29573) 29545..29573

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON376082.1?from=29644&to=29684) 29644..29684

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

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