**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/FL-BPHL-12627/2022, complete genome**

GenBank: OP415118.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1" \l "goto2299264686_0)

LOCUS OP415118 29684 bp RNA linear VRL 12-SEP-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/USA/FL-BPHL-12627/2022, complete genome.

ACCESSION OP415118

VERSION OP415118.1

DBLINK BioProject: [PRJNA630714](https://www.ncbi.nlm.nih.gov/bioproject/PRJNA630714)

BioSample: [SAMN30807429](https://www.ncbi.nlm.nih.gov/biosample/SAMN30807429)

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 Schmedes,S., Tarigopula,N. and Dong,Y.

TITLE Direct Submission

JOURNAL Submitted (12-SEP-2022) BPHL, FLDOH, 1217 N Pearl St, Jacksonville,

FL 32202, USA

COMMENT ##Assembly-Data-START##

Assembly Method :: Clear Dx WGS SC2 BIP-W v. v8

Sequencing Technology :: Clear Dx System

##Assembly-Data-END##

FEATURES Location/Qualifiers

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UWN85540.1?from=819&to=2762) 2666..8497

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/note="Coronavirus frameshifting stimulation element

stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=13422&to=13476) 13422..13476

/gene="ORF1ab"

/note="Coronavirus frameshifting stimulation element

stem-loop 2"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=25318&to=26145) 25318..26145

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/codon\_start=1

/product="ORF3a protein"

/protein\_id="[UWN85542.1](https://www.ncbi.nlm.nih.gov/protein/2299264690)"

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/gene="E"

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=27319&to=27684) 27319..27684

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=27319&to=27684) 27319..27684

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/product="ORF7a protein"

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/translation="MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNS

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=27681&to=27812) 27681..27812

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/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

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/translation="MKFLVFLGIITTVAAFHQECSLQSCTQHQPYVVDDPCPIHFYSK

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SFYEDFLEYHDVRVVLDFI"

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/gene="N"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=28199&to=29449) 28199..29449

/gene="N"

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GTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSKRTSPARMAGNGGDAALAL

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=29474&to=29590) 29474..29590

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?from=29474&to=29590) 29474..29590

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/translation="MGYINVFAFPFTIYSLLLCRMNSRNYIAQVDVVNFNLT"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OP415118.1?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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