**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/PRI/PR-UPRRP-524/2020 ORF1ab polyprotein (ORF1ab), ORF1a polyprotein (ORF1ab), surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotein (M), ORF6 prote...**

GenBank: ON928663.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?expand-gaps=on" \l "goto2264332479_0)

LOCUS ON928663 29752 bp RNA linear VRL 06-JUL-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/PRI/PR-UPRRP-524/2020 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 ON928663

VERSION ON928663.1

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 Van Belleghem,S., Papa,R., Planas,S., Ortiz,Y., Zenon,C., Cora

Huertas,L., Candelaria Velez,I., Cruz,M., Rodriguez Orengo,J.,

Godoy,F., Carlos Velez,J. and Sariol,C.

TITLE Genomic surveillance of SARS-CoV-2 in Puerto Rico

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 29752)

AUTHORS Van Belleghem,S., Papa,R., Planas,S., Ortiz,Y., Zenon,C., Cora

Huertas,L., Candelaria Velez,I., Cruz,M., Rodriguez Orengo,J.,

Godoy,F., Carlos Velez,J. and Sariol,C.

TITLE Direct Submission

JOURNAL Submitted (05-JUL-2022) Biology, University of Puerto RIco, Ave

Universidad, San Juan 00931, Puerto Rico

COMMENT ##Assembly-Data-START##

Assembly Method :: DRAGEN Genome Pipeline - Illumina v.

December-2022

Sequencing Technology :: Illumina

##Assembly-Data-END##

FEATURES Location/Qualifiers

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EFRYMNSQGLLPPKNSIDAFKLNIKLLGVGGKPCIKVATVQSKMSDVKCTSVVLLSVL

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UTB50055.1?from=181&to=818) 752..2665

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stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?from=13422&to=13476) 13422..13476

/gene="ORF1ab"

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stem-loop 2"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?from=25318&to=26145) 25318..26145

/gene="ORF3a"

/codon\_start=1

/product="ORF3a protein"

/protein\_id="[UTB50057.1](https://www.ncbi.nlm.nih.gov/protein/2264332483)"

/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

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NSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQ

LSTDTGVEHVTFFIYNKIVDEPEEHVQIHTIDGSSGVVNPVMEPIYDEPTTTTSVPL"

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/gene="E"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?from=26170&to=26397) 26170..26397

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/protein\_id="[UTB50058.1](https://www.ncbi.nlm.nih.gov/protein/2264332484)"

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/gene="M"

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/gene="M"

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/protein\_id="[UTB50059.1](https://www.ncbi.nlm.nih.gov/protein/2264332485)"

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LLVQ"

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/gene="ORF6"

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/product="ORF6 protein"

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/gene="ORF7a"

/codon\_start=1

/product="ORF7a protein"

/protein\_id="[UTB50061.1](https://www.ncbi.nlm.nih.gov/protein/2264332487)"

/translation="MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNS

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/gene="ORF7b"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?from=27681&to=27812) 27681..27812

/gene="ORF7b"

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/gene="ORF8"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?from=27819&to=28184) 27819..28184

/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

/protein\_id="[UTB50063.1](https://www.ncbi.nlm.nih.gov/protein/2264332489)"

/translation="MKFLVFLGIITTVAAFHQECSLQSCTQHQPYVVDDPCPIHFYSK

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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/ON928663.1?from=29474&to=29590) 29474..29590

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON928663.1?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/ON928663.1?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/ON928663.1?from=29644&to=29684) 29644..29684

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

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