**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/BHR/22020048762/2022, complete genome**

GenBank: ON146520.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1" \l "goto2216458796_0)

LOCUS ON146520 29752 bp RNA linear VRL 04-APR-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/BHR/22020048762/2022, complete genome.

ACCESSION ON146520

VERSION ON146520.1

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 Marhoon,A., AlHujairi,Z., AlTooq,M., Khamees,F., AlAnsari,W.,

AlAbbas,Z. and Almoamen,G.

TITLE Direct Submission

JOURNAL Submitted (04-APR-2022) Communicable Disease Laboratory, Public

Health Directorate, 1124, Manama 12, Bahrain

COMMENT ##Assembly-Data-START##

Assembly Method :: ABIOMIX v. 1.0

Sequencing Technology :: Illumina

##Assembly-Data-END##

FEATURES Location/Qualifiers

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=1&to=180) 212..751

/gene="ORF1ab"

/product="leader protein"

[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=181&to=818) 752..2665

/gene="ORF1ab"

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=819&to=2762) 2666..8497

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=2763&to=3262) 8498..9997

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=3263&to=3568) 9998..10915

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=3569&to=3855) 10916..11776

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/product="nsp6"

[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=3856&to=3938) 11777..12025

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/product="nsp7"

[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=3939&to=4136) 12026..12619

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=4137&to=4249) 12620..12958

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/UOE98220.1?from=4389&to=4401) 13376..13414

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/product="nsp11"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=13410&to=13437) 13410..13437

/gene="ORF1ab"

/note="Coronavirus frameshifting stimulation element

stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=13422&to=13476) 13422..13476

/gene="ORF1ab"

/note="Coronavirus frameshifting stimulation element

stem-loop 2"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=21497&to=25309) 21497..25309

/gene="S"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=21497&to=25309) 21497..25309

/gene="S"

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=25318&to=26145) 25318..26145

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=25318&to=26145) 25318..26145

/gene="ORF3a"

/codon\_start=1

/product="ORF3a protein"

/protein\_id="[UOE98222.1](https://www.ncbi.nlm.nih.gov/protein/2216458800)"

/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

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NSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQ

LSTDTGVEHVTFFIYNKIVDEPEEHVQIHTIDGSSGVVNPVMEPIYDEPTTTTSVPL"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=26170&to=26397) 26170..26397

/gene="E"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=26170&to=26397) 26170..26397

/gene="E"

/codon\_start=1

/product="envelope protein"

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=26448&to=27116) 26448..27116

/gene="M"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=26448&to=27116) 26448..27116

/gene="M"

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/protein\_id="[UOE98224.1](https://www.ncbi.nlm.nih.gov/protein/2216458802)"

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LLVQ"

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/gene="ORF6"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=27127&to=27312) 27127..27312

/gene="ORF6"

/codon\_start=1

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/protein\_id="[UOE98225.1](https://www.ncbi.nlm.nih.gov/protein/2216458803)"

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TENKYSQLDEEQPMEID"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=27319&to=27684) 27319..27684

/gene="ORF7a"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=27319&to=27684) 27319..27684

/gene="ORF7a"

/codon\_start=1

/product="ORF7a protein"

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/translation="MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNS

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=27681&to=27812) 27681..27812

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/product="ORF7b"

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=27819&to=28184) 27819..28184

/gene="ORF8"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=27819&to=28184) 27819..28184

/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

/protein\_id="[UOE98228.1](https://www.ncbi.nlm.nih.gov/protein/2216458806)"

/translation="MKFLVFLGIITTVAAFHQECSLQSCTQHQPYVVDDPCPIHFYSK

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SFYEDFLEYHDVRVVLDFI"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=28199&to=29449) 28199..29449

/gene="N"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=28199&to=29449) 28199..29449

/gene="N"

/codon\_start=1

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GTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSKRTSPARMAGNGGDAALAL

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=29474&to=29590) 29474..29590

/gene="ORF10"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=29474&to=29590) 29474..29590

/gene="ORF10"

/codon\_start=1

/product="ORF10 protein"

/protein\_id="[UOE98230.1](https://www.ncbi.nlm.nih.gov/protein/2216458808)"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=29545&to=29573) 29545..29573

/gene="ORF10"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/ON146520.1?from=29644&to=29684) 29644..29684

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

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