**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/BHR/22020089582\_S132\_L001/2022, complete genome**

GenBank: OM843316.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1" \l "goto2200117244_0)

LOCUS OM843316 29803 bp RNA linear VRL 27-FEB-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/BHR/22020089582\_S132\_L001/2022, complete genome.

ACCESSION OM843316

VERSION OM843316.1

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 29803)

AUTHORS Alwasti,H., Altaif,Z., Marhoon,A., AlHujairi,Z., AlTooq,M.,

Khamees,F., AlAnsari,W., AlAbbas,Z. and Almoamen,G.

TITLE Direct Submission

JOURNAL Submitted (27-FEB-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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GSVGFNIDYDCVSFCYMHHMELPTGVHAGTDLEGNFYGPFVDRQTAQAAGTDTTITVN

VLAWLYAAVINGDRWFLNRFTTTLNDFNLVAMKYNYEPLTQDHVDILGPLSAQTGIAV

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FMCVEYCPIFFITGNTLQCIMLVYCFLGYFCTCYFGLFCLLNRYFRLTLGVYDYLVST

QEFRYMNSQGLLPPKNSIDAFKLNIKLLGVGGKPCIKVATVQSKMSDVKCTSVVLLSV

LQQLRVESSSKLWAQCVQLHNDILLAKDTTEAFEKMVSLLSVLLSMQGAVDINKLCEE

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/gene="ORF1ab"

/product="leader protein"

[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/ULV15184.1?from=181&to=818) 802..2715

/gene="ORF1ab"

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/ULV15184.1?from=3264&to=3569) 10051..10968

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/product="3C-like proteinase"

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/ULV15184.1?from=3940&to=4137) 12079..12672

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/ULV15184.1?from=4251&to=4389) 13012..13428

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[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=13463&to=13490) 13463..13490

/gene="ORF1ab"

/note="Coronavirus frameshifting stimulation element

stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=13475&to=13529) 13475..13529

/gene="ORF1ab"

/note="Coronavirus frameshifting stimulation element

stem-loop 2"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=21550&to=25362) 21550..25362

/gene="S"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=21550&to=25362) 21550..25362

/gene="S"

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EGVFVSNGTHWFVTQRNFYEPQIITTDNTFVSGNCDVVIGIVNNTVYDPLQPELDSFK

EELDKYFKNHTSPDVDLGDISGINASVVNIQKEIDRLNEVAKNLNESLIDLQELGKYE

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=25371&to=26198) 25371..26198

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=25371&to=26198) 25371..26198

/gene="ORF3a"

/codon\_start=1

/product="ORF3a protein"

/protein\_id="[ULV15186.1](https://www.ncbi.nlm.nih.gov/protein/2200117248)"

/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

WLIVGVALLAVFQSASKIITLKKRWQLALSKGVHFVCNLLLLFVTVYSHLLLVAAGLE

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NSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQ

LSTDIGVEHVTFFIYNKIVDEPEEHVQIHTIDGSSGVVNPVMEPIYDEPTTTTSVPL"

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/gene="E"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=26223&to=26450) 26223..26450

/gene="E"

/codon\_start=1

/product="envelope protein"

/protein\_id="[ULV15187.1](https://www.ncbi.nlm.nih.gov/protein/2200117249)"

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IKDLPKEITVATSRTLSYYKLGASQRVAGDSGFAAYSRYRIGNYKLNTDHSSSSDNIA

LLVQ"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=27180&to=27365) 27180..27365

/gene="ORF6"

/codon\_start=1

/product="ORF6 protein"

/protein\_id="[ULV15189.1](https://www.ncbi.nlm.nih.gov/protein/2200117251)"

/translation="MFHLVDFQVTIAEILLIIMRTFKVSIWNLDYIINLIIKNLSKSL

TENKYSQLDEEQPMEIL"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=27372&to=27737) 27372..27737

/gene="ORF7a"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=27372&to=27737) 27372..27737

/gene="ORF7a"

/codon\_start=1

/product="ORF7a protein"

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/translation="MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNS

PFHPLADNKFALTCFSTQFAFACPDGVKHVYQLRARSVSPKLFIRQEEVQELYSPIFL

IVAAIVFITLCFTLKRKTE"

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/gene="ORF7b"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=27734&to=27865) 27734..27865

/gene="ORF7b"

/codon\_start=1

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/translation="MIELSLIDFYLCFLAFLLFLVLIMLIIFWFSLELQDHNETCHA"

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/gene="ORF8"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=27872&to=28237) 27872..28237

/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

/protein\_id="[ULV15192.1](https://www.ncbi.nlm.nih.gov/protein/2200117254)"

/translation="MKFLVFLGIITTVAAFHQECSLQSCTQHQPYVVDDPCPIHFYSK

WYIRVGARKSAPLIELCVDEAGSKSPIQYIDIGNYTVSCLPFTINCQEPKLGSLVVRC

SFYEDFLEYHDVRVVLDFI"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=28252&to=29502) 28252..29502

/gene="N"

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/gene="N"

/codon\_start=1

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/translation="MSDNGPQNQRNALRITFGGPSDSTGSNQNGGARSKQRRPQGLPN

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GTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSKRTSPARMAGNGGDAALAL

LLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGRRGP

EQTQGNFGDQELIRQGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWLTYTGAI

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PAADLDDFSKQLQQSMSRADSTQA"

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/gene="ORF10"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=29527&to=29643) 29527..29643

/gene="ORF10"

/codon\_start=1

/product="ORF10 protein"

/protein\_id="[ULV15194.1](https://www.ncbi.nlm.nih.gov/protein/2200117256)"

/translation="MGYINVFAFPFTIYSLLLCRMNSRNYIAQVDVVNFNLT"

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/gene="ORF10"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=29598&to=29626) 29598..29626

/gene="ORF10"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OM843316.1?from=29697&to=29711) 29697..29711

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

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