**Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/BHR/22020090467\_S157\_L001/2022, complete genome**

GenBank: OM843340.1

[FASTA](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?report=fasta) [Graphics](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?report=graph)

[Go to:](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1" \l "goto2200117556_0)

LOCUS OM843340 29848 bp RNA linear VRL 27-FEB-2022

DEFINITION Severe acute respiratory syndrome coronavirus 2 isolate

SARS-CoV-2/human/BHR/22020090467\_S157\_L001/2022, complete genome.

ACCESSION OM843340

VERSION OM843340.1

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 29848)

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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FMCVEYCPIFFITGNTLQCIMLVYCFLGYFCTCYFGLFCLLNRYFRLTLGVYDYLVST

QEFRYMNSQGLLPPKNSIDAFKLNIKLLGVGGKPCIKVATVQSKMSDVKCTSVVLLSV

LQQLRVESSSKLWAQCVQLHNDILLAKDTTEAFEKMVSLLSVLLSMQGAVDINKLCEE

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KGFCDLKGKYVQIPTTCANDPVGFTLKNTVCTVCGMWKGYGCSCDQLREPMLQSADAQ

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/gene="ORF1ab"

/product="leader protein"

[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/ULV15472.1?from=181&to=818) 804..2717

/gene="ORF1ab"

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/ULV15472.1?from=3264&to=3569) 10053..10970

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[mat\_peptide](https://www.ncbi.nlm.nih.gov/protein/ULV15472.1?from=3940&to=4137) 12081..12674

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/gene="ORF1ab"

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stem-loop 1"

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=13477&to=13531) 13477..13531

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/note="Coronavirus frameshifting stimulation element

stem-loop 2"

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EGVFVSNGTHWFVTQRNFYEPQIITTDNTFVSGNCDVVIGIVNNTVYDPLQPELDSFK

EELDKYFKNHTSPDVDLGDISGINASVVNIQKEIDRLNEVAKNLNESLIDLQELGKYE

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=25373&to=26200) 25373..26200

/gene="ORF3a"

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/product="ORF3a protein"

/protein\_id="[ULV15474.1](https://www.ncbi.nlm.nih.gov/protein/2200117560)"

/translation="MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFG

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NSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQ

LSTDIGVEHVTFFIYNKIVDEPEEHVQIHTIDGSSGVVNPVMEPIYDEPTTTTSVPL"

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/gene="E"

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/gene="E"

/codon\_start=1

/product="envelope protein"

/protein\_id="[ULV15475.1](https://www.ncbi.nlm.nih.gov/protein/2200117561)"

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IKDLPKEITVATSRTLSYYKLGASQRVAGDSGFAAYSRYRIGNYKLNTDHSSSSDNIA

LLVQ"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=27182&to=27367) 27182..27367

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/codon\_start=1

/product="ORF6 protein"

/protein\_id="[ULV15477.1](https://www.ncbi.nlm.nih.gov/protein/2200117563)"

/translation="MFHLVDFQVTIAEILLIIMRTFKVSIWNLDYIINLIIKNLSKSL

TENKYSQLDEEQPMEIL"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=27374&to=27739) 27374..27739

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/codon\_start=1

/product="ORF7a protein"

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/translation="MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNS

PFHPLADNKFALTCFSTQFAFACPDGVKHVYQLRARSVSPKLFIRQEEVQELYSPIFL

IVAAIVFITLCFTLKRKTE"

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[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=27736&to=27867) 27736..27867

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/gene="ORF8"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=27874&to=28239) 27874..28239

/gene="ORF8"

/codon\_start=1

/product="ORF8 protein"

/protein\_id="[ULV15480.1](https://www.ncbi.nlm.nih.gov/protein/2200117566)"

/translation="MKFLVFLGIITTVAAFHQECSLQSCTQHQPYVVDDPCPIHFYSK

WYIRVGARKSAPLIELCVDEAGSKSPIQYIDIGNYTVSCLPFTINCQEPKLGSLVVRC

SFYEDFLEYHDVRVVLDFI"

[gene](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=28254&to=29504) 28254..29504

/gene="N"

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/gene="N"

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GTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSKRTSPARMAGNGGDAALAL

LLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGRRGP

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[gene](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=29529&to=29645) 29529..29645

/gene="ORF10"

[CDS](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=29529&to=29645) 29529..29645

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/protein\_id="[ULV15482.1](https://www.ncbi.nlm.nih.gov/protein/2200117568)"

/translation="MGYINVFAFPFTIYSLLLCRMNSRNYIAQVDVVNFNLT"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=29600&to=29628) 29600..29628

/gene="ORF10"

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

[stem\_loop](https://www.ncbi.nlm.nih.gov/nuccore/OM843340.1?from=29699&to=29713) 29699..29713

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

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