

PROOF OF SEQUENCE SUBMISSION TO GENBANK

LOCUS NDF1 264 bp DNA linear BCT 24-APR-2026

DEFINITION *Coxiella burnetii* isolate Cox_NDF1/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;

Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 264)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture

and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu

Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

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/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_NDF1/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

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/geo_loc_name="United Arab Emirates"
/collection_date="16-Mar-2025"
/collected_by="Dr Edwin Palmario,Dr Nabeeha Hassan,Dr
Robert Barigye"
gene      <1..>264
          /gene="htpB"
CDS       <1..>264
          /gene="htpB"
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          /product="heat shock protein B"
          /translation="VTAAVAELKKISKPKDQKAIAQVGTISANSKDSIGDIIAEAME
KVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"
BASE COUNT   85 a   46 c   71 g   62 t
ORIGIN
      1 gtaacggcag cggtagctga attgaagaaa attccaagc cttgcaaaga ccagaaagcg
     61 attgcgcaag taggcaccat ttctgcgaat tcggataagt cgattggaga tattattgcg
    121 gaagcgatgg agaaagtggg caaagaaggc gtcataacag tagaagatgg ctctggtctt
    181 gaaaacgcgc ttgaagtagt tgaaggtatg cagttcgatc gtggttactt gtcgccatac
    241 tttatcaaca atcaacaaaa catg
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LOCUS      NDF2                276 bp   DNA    linear   BCT 24-APR-2026
DEFINITION Coxiella burnetii isolate Cox_NDF2/UAE/2023.
ACCESSION
VERSION
KEYWORDS   .
SOURCE     Coxiella burnetii
ORGANISM   Coxiella burnetii
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Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

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and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276
/organism="Coxiella burnetii"
/mol_type="genomic DNA"
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/host="Cattle (Breed: Holstein Friesian)"
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/geo_loc_name="United Arab Emirates"
/collection_date="16-Mar-2025"
/collected_by="Dr Edwin Palmario,Dr Nabeeha Hassan,Dr
Robert Barigye"
gene <1..>276
/gene="htpB"
CDS <1..>276
/gene="htpB"
/codon_start=1
/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSGDIIA

EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa

61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga

121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat

181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac

241 ttgtcgccat actttatcaa caatcaacaa aacatg

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LOCUS NDF3 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_NDF3/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;

Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture

and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu

Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES	Location/Qualifiers
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	/isolate="Cox_NDF3/UAE/2023"
	/isolation_source="Milk"
	/host="Cattle (Breed: Holstein Friesian)"
	/db_xref="taxon:777"
	/geo_loc_name="United Arab Emirates"
	/collection_date="16-Mar-2025"
	/collected_by="Dr Edwin Palmario,Dr Nabeeha Hassan,Dr Robert Barigye"
gene	<1..>276
	/gene="htpB"
CDS	<1..>276
	/gene="htpB"
	/codon_start=1
	/transl_table=11
	/product="heat shock protein B"
	/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDSIGDIIA EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

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1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttccaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

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//

LOCUS NDF6 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_NDF6/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

 Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
 Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
 and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
 Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

 Sequencing Technology :: Sanger dideoxy sequencing

 ##Assembly-Data-END##

FEATURES Location/Qualifiers

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 /organism="Coxiella burnetii"

 /mol_type="genomic DNA"

 /isolate="Cox_NDF6/UAE/2023"

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 /host="Cattle (Breed: Holstein Friesian)"

 /db_xref="taxon:777"

 /geo_loc_name="United Arab Emirates"

 /collection_date="16-Mar-2025"

 /collected_by="Dr Edwin Palmario,Dr Nabeeha Hassan,Dr

Robert Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1

/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKDSIGDIIA

EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa

61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga

121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat

181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtgggttac

241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS NDF7 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_NDF7/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;

Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_NDF7/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="16-Mar-2025"

/collected_by="Dr Edwin Palmario,Dr Nabeeha Hassan,Dr
Robert Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1

/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSGDIIA

EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS NDF8 276 bp DNA linear BCT 24-APR-2026

DEFINITION *Coxiella burnetii* isolate Cox_NDF8/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraaq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_NDF8/UAE/2023"
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/host="Cattle (Breed: Holstein Friesian)"
/db_xref="taxon:777"
/geo_loc_name="United Arab Emirates"
/collection_date="16-Mar-2025"
/collected_by="Dr Edwin Palmario,Dr Nabeeha Hassan,Dr
Robert Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1

/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDSIGDIIA
EAMEKVGKKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttccaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtgggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS NDF14 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_NDF14/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

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/mol_type="genomic DNA"

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/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="16-Mar-2025"

/collected_by="Dr Edwin Palmario, Dr Nabeeha Hassan,Dr
Robert Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

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/transl_table=11
/product="heat shock protein B"
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BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
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121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
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241 ttgtcgccat actttatcaa caatcaacaa aacatg

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LOCUS MSK1 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_MSK1/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraaq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

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/mol_type="genomic DNA"

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/geo_loc_name="United Arab Emirates"

/collection_date="21-Mar-2025"

/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276

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CDS <1..>276

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/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSGDIIA

EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

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121 gatattattg cggaagcgat ggagaaaagt ggcaaagaag gcgtcataac agtagaagat

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241 ttgtcgccat actttatcaa caatcaacaa aacatg

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LOCUS MSK2 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_MS2/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MS2/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

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        /collection_date="21-Mar-2025"
        /collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
        Barigye"
gene      <1..>276
        /gene="htpB"
CDS       <1..>276
        /gene="htpB"
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        /translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKIGDIIA
        EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"
BASE COUNT   90 a   48 c   73 g   65 t
ORIGIN
      1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttccaa gccttgcaaa
     61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
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LOCUS      MSK3              276 bp  DNA   linear  BCT 24-APR-2026
DEFINITION Coxiella burnetii isolate Cox_MS3/UAE/2023.
ACCESSION
VERSION
KEYWORDS   .
SOURCE     Coxiella burnetii
ORGANISM   Coxiella burnetii
           Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;

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Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

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and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MSK3/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="21-Mar-2025"

/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1

/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDSIGDIIA
EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
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//

LOCUS MSK4 276 bp DNA linear BCT 24-APR-2026

DEFINITION *Coxiella burnetii* isolate Cox_MS4/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276
/organism="Coxiella burnetii"
/mol_type="genomic DNA"
/isolate="Cox_MSK4/UAE/2023"
/isolation_source="Milk"
/host="Cattle (Breed: Holstein Friesian)"
/db_xref="taxon:777"
/geo_loc_name="United Arab Emirates"
/collection_date="21-Mar-2025"
/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert Barigye"

gene <1..>276
/gene="htpB"

CDS <1..>276
/gene="htpB"
/codon_start=1
/transl_table=11
/product="heat shock protein B"
/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKISGDIIA
EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac
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//

LOCUS MSK5 276 bp DNA linear BCT 24-APR-2026

DEFINITION *Coxiella burnetii* isolate Cox_MSK5/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;

Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MSK5/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="21-Mar-2025"

/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276
/gene="htpB"
CDS <1..>276
/gene="htpB"
/codon_start=1
/transl_table=11
/product="heat shock protein B"
/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKDSIGDIIA
EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtgggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

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LOCUS MSK6 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_MS6/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraaq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MSK6/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="21-Mar-2025"

/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1

/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSGDIIA

EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttccaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtgggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS MSK7 276 bp DNA linear BCT 24-APR-2026

DEFINITION *Coxiella burnetii* isolate Cox_MSK7/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MSK7/UAE/2023"

/isolation_source="Milk"
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/db_xref="taxon:777"
/geo_loc_name="United Arab Emirates"
/collection_date="21-Mar-2025"
/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1

/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKISGDIIA
EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS MSK8 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_MS8/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MSK8/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="21-Mar-2025"

/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1
/transl_table=11
/product="heat shock protein B"
/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDSIGDIIA
EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS MSK9 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_MSK9/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

 /organism="Coxiella burnetii"

 /mol_type="genomic DNA"

 /isolate="Cox_MSK9/UAE/2023"

 /isolation_source="Milk"

 /host="Cattle (Breed: Holstein Friesian)"

 /db_xref="taxon:777"

 /geo_loc_name="United Arab Emirates"

 /collection_date="21-Mar-2025"

 /collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
 Barigye"

gene <1..>276

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CDS <1..>276

 /gene="htpB"

 /codon_start=1

 /transl_table=11

 /product="heat shock protein B"

 /translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSGDIIA

 EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttccaa gccttgcaaa

61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga

121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat

181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac

241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS MSK10 276 bp DNA linear BCT 24-APR-2026

DEFINITION *Coxiella burnetii* isolate Cox_MS10/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;

Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MS10/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="21-Mar-2025"

/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

/codon_start=1

/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSGDIIA
EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
61 gaccagaaag cgattgcgca agtaggcacc atttctgcga attcggataa gtcgattgga
121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
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241 ttgtcgccat actttatcaa caatcaacaa aacatg

//

LOCUS MSK11 276 bp DNA linear BCT 24-APR-2026

DEFINITION Coxiella burnetii isolate Cox_MS11/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE Coxiella burnetii

ORGANISM Coxiella burnetii

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; Coxiella.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraaq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

source 1..276

/organism="Coxiella burnetii"

/mol_type="genomic DNA"

/isolate="Cox_MSK11/UAE/2023"

/isolation_source="Milk"

/host="Cattle (Breed: Holstein Friesian)"

/db_xref="taxon:777"

/geo_loc_name="United Arab Emirates"

/collection_date="21-Mar-2025"

/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

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/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSGDIIA

EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa
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121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat
181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtgggttac
241 ttgtcgccat actttatcaa caatcaacaa aacatg

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LOCUS MSK12 276 bp DNA linear BCT 24-APR-2026

DEFINITION *Coxiella burnetii* isolate Cox_MS12/UAE/2023.

ACCESSION

VERSION

KEYWORDS .

SOURCE *Coxiella burnetii*

ORGANISM *Coxiella burnetii*

Bacteria; Pseudomonadati; Pseudomonadota; Gammaproteobacteria;
Legionellales; Coxiellaceae; *Coxiella*.

REFERENCE 1 (bases 1 to 276)

AUTHORS Ishag,H., Hassan,N., Barigye,R. and Al Breiki,M.

TITLE Direct Submission

JOURNAL Submitted (24-APR-2026) Molecular biology, Abu Dhabi Agriculture
and Food Safety Authority (ADAFSA), Al Barraaq St, Abu Dhabi, Abu
Dhabi 52150, United Arab Emirates

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES Location/Qualifiers

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/isolation_source="Milk"
/host="Cattle (Breed: Holstein Friesian)"
/db_xref="taxon:777"
/geo_loc_name="United Arab Emirates"
/collection_date="21-Mar-2025"
/collected_by="Dr Adil Jafar,Dr Nabeeha Hassan,Dr Robert
Barigye"

gene <1..>276

/gene="htpB"

CDS <1..>276

/gene="htpB"

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/transl_table=11

/product="heat shock protein B"

/translation="IDKAVTAAVAELKKISKPKDQKAIAQVGTISANSKSDKSDIHA

EAMEKVGKEGVITVEDGSGLENALEVVEGMQFDRGYLSPYFINNQNNM"

BASE COUNT 90 a 48 c 73 g 65 t

ORIGIN

1 attgataaag ccgtaacggc agcggtagct gaattgaaga aaatttcaa gccttgcaaa

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121 gatattattg cggaagcgat ggagaaagtg ggcaaagaag gcgtcataac agtagaagat

181 ggctctggtc ttgaaaacgc gcttgaagta gttgaaggta tgcagttcga tcgtggttac

241 ttgtcgccat actttatcaa caatcaacaa aacatg

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