

Fact sheet of reference DNA sequences of *Angelica sinensis* (當歸)

Summary	Information
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Type of reference material used for data generation	● Plant voucher specimen ● Radix Angelicae Sinensis (當歸)
Plant voucher specimen (number / locality)	● 3 / Min County, Gansu Province, China ● 1 / Heqing County, Yunnan Province, China
Chinese Materia Medica (number / locality)	● 10 / Min County, Gansu Province, China ● 6 / Heqing County, Yunnan Province, China
Total number of specimen	● 20
Specimen source	● GCMTI collection ● Hong Kong Chinese Materia Medica Standards (HKCMMS) Project
Method for data generation	● GCMTI RD-5:2020
Length of DNA barcode	● Nuclear internal transcribed spacer 2 (ITS2) is 229 bp ● Chloroplast <i>psbA-trnH</i> intergenic spacer (<i>psbA-trnH</i>) is 261 bp ● Chloroplast ribulose biphosphate carboxylase

Summary	Information
	large chain (<i>rbcL</i>) is 553 bp

Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211202

>21RD75-1A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAATAACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211202

>21RD75-1A *psbA-trnH*

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTC
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211202

>21RD75-1A *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC
TGGAGTTCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGCTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD75
Sample mark	21RD75-1A
Locality	Min County, Gansu Province, China
Corresponding CMM specimen	21RD68
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211202

>21RD77-1A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAATAACCC
TCATGTCTTGTCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211202

>21RD77-1A_psbA-trnH

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211202

>21RD77-1A_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAATCCTCAACC
TGGAGTTCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD77
Sample mark	21RD77-1A
Locality	Heqing County, Yunnan Province, China
Corresponding CMM specimen	21RD67
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211202

>21RD78-1A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211202

>21RD78-1A_psbA-trnH

ATAACTTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTC
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211202

>21RD78-1A_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC
TGGAGTTCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD78
Sample mark	21RD78-1A
Locality	Min County, Gansu Province, China
Corresponding CMM specimen	21RD69
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211202

>21RD79-1A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAAATACCC
TCATGTCTTGTCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211202

>21RD79-1A *psbA-trnH*

ATAACTTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTC
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211202

>21RD79-1A *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD79
Sample mark	21RD79-1A
Locality	Min County, Gansu Province, China
Corresponding CMM specimen	21RD69
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211203

>21RD67-1A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211203

>21RD67-1A_psbA-trnH

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211203

>21RD67-1A_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD67
Sample mark	21RD67-1A
Locality	Heqing County, Yunnan Province, China
Corresponding plant voucher specimen	21RD77
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807

>21RD67-3C ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807

>21RD67-3C_psbA-trnH

ATAACTTTCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807

>21RD67-3C_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD67
Sample mark	21RD67-3C
Locality	Heqing County, Yunnan Province, China
Corresponding plant voucher specimen	21RD77
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807

>21RD67-5C ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807

>21RD67-5C_psbA-trnH

ATAACTTTCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807

>21RD67-5C_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCGTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD67
Sample mark	21RD67-5C
Locality	Heqing County, Yunnan Province, China
Corresponding plant voucher specimen	21RD77
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807

>21RD67-7D ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807

>21RD67-7D *psbA-trnH*

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807

>21RD67-7D *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD67
Sample mark	21RD67-7D
Locality	Heqing County, Yunnan Province, China
Corresponding plant voucher specimen	21RD77
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807

>21RD67-9C ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807

>21RD67-9C_psbA-trnH

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807

>21RD67-9C_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTTCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD67
Sample mark	21RD67-9C
Locality	Heqing County, Yunnan Province, China
Corresponding plant voucher specimen	21RD77
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807

>21RD67-10D ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807

>21RD67-10D_psbA-trnH

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807

>21RD67-10D_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD67
Sample mark	21RD67-10D
Locality	Heqing County, Yunnan Province, China
Corresponding plant voucher specimen	21RD77
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211203

>21RD68-1A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCTGACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTGCGCGAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211203

>21RD68-1A_psbA-trnH

ATAACTTTCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211203

>21RD68-1A_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD68
Sample mark	21RD68-1A
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD75
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211203

>21RD68-2A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCTGACATTGGTGGTTGTAATAACCC
TCATGTCTTGTCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211203

>21RD68-2A_psbA-trnH

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211203

>21RD68-2A_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD68
Sample mark	21RD68-2A
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD75
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211203-2

>21RD68-3A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCTGACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211203-2

>21RD68-3A_psbA-trnH

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211203-2

>21RD68-3A_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD68
Sample mark	21RD68-3A
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD75
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211203-2

>21RD68-4A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCTGACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTGCGCGAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211203-2

>21RD68-4A_psbA-trnH

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211203-2

>21RD68-4A_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD68
Sample mark	21RD68-4A
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD75
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI211203-2

>21RD69-1A ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCTGACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI211203-2

>21RD69-1A *psbA-trnH*

ATAACTTTCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI211203-2

>21RD69-1A *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD69
Sample mark	21RD69-1A
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD78, 21RD79
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807

>21RD69-3C ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTGCGTACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTGCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807

>21RD69-3C *psbA-trnH*

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807

>21RD69-3C *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCGTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD69
Sample mark	21RD69-3C
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD78, 21RD79
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807

>21RD69-4D ITS2

CGCATCATCTTTGCCACAACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTGCGTACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807

>21RD69-4D *psbA-trnH*

ATAACTTTCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807

>21RD69-4D *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD69
Sample mark	21RD69-4D
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD78, 21RD79
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807-2

>21RD69-6D ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTGCGTACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTGCGCGAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807-2

>21RD69-6D *psbA-trnH*

ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807-2

>21RD69-6D *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCGTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD69
Sample mark	21RD69-6D
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD78, 21RD79
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807-2

>21RD69-7C ITS2

CGCATCATCTTTGCCACAACCACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTGCGTACATTGGTGGTTGTAAAATACCC
TCATGTCTTGTCGCGCAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807-2

>21RD69-7C *psbA-trnH*

ATAACTTTCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAAATAAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807-2

>21RD69-7C *rbcL*

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCGTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD69
Sample mark	21RD69-7C
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD78, 21RD79
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC230807-2

>21RD69-9C ITS2

CGCATCATCTTTGCCACAACTCACTCCTCGTGG
AGCTGTACTGGTATGGGGGCGGAAATTGGCCTCCCGT
GCCTTGTTGTGCGGTTGGCGCAAAAGTGAGTCTCCGG
CGACGGACGTCGTGACATTGGTGGTTGTAATAACCC
TCATGTCTTGTGCGCGAATCCGCGTCATCTTAGTGA
GCTCAAGGACCCTTAGGCGGCACACACTTTGTGCACT
TCGAATG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BIC230807-2

>21RD69-9C_psbA-trnH

ATAACTTTCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAAGACCGGGTTTAGTATATACGA
GTTTTTTGAAATAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTGCTTTTTTATATTTCA
GACTGTTTTAGATAAACAAATATTTTTGAATGATCAA
AAAGGAATCCTTTGAAATAAAAAATAAATAAATAA
ATTGGCGGGCGGATGTAGCCAAGTGGATCAAGGCA
GT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BIC230807-2

>21RD69-9C_rbcL

AGGTGTTGGATTCAAAGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGTACGAAATCGAGCCCCGTTGCTGGAGAAGAAA
ATCAATATATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAAATTGAACAAGTATGGTCGTCGCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Sinensis
Scientific name	<i>Angelica sinensis</i> (Oliv.) Diels
Laboratory number	21RD69
Sample mark	21RD69-9C
Locality	Min County, Gansu Province, China
Corresponding plant voucher specimen	21RD78, 21RD79
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA sequences in FASTA format

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2) sequence of plant voucher specimen of *Angelica sinensis* and Chinese Materia Medica (CMM) Radix Angelicae Sinensis

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Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*) sequence of plant voucher specimen of *Angelica sinensis* and Chinese Materia Medica (CMM) Radix *Angelicae Sinensis*

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Partial chloroplast ribulose biphosphate carboxylase large chain (*rbcL*) sequence of plant voucher specimen of *Angelica sinensis* and Chinese Materia Medica (CMM) Radix Angelicae Sinensis

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