Fact sheet of reference DNA sequences of *Angelica pubescens* f. *biserrata* (重齒毛當歸)

Summary	**Information**
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Type of reference material used for data generation	● Radix Angelicae Pubescentis (獨活)
Chinese Materia Medica (number / locality)	● 4 / Badong County, Hubei Province, China ● 4 / Wufeng Tujia Autonomous County, Hubei Province, China ● 4 / Wushan County, Chongqing Municipality, China ● 4 / Wuxi County, Chongqing Municipality, China ● 4 / Pingwu County, Sichuan Province, China
Total number of specimen	● 20
Specimen source	● GCMTI collection ● Hong Kong Chinese Materia Medica Standards (HKCMMS) Project

Summary	**Information**
Method for data generation	● GCMTI RD-5:2020
Length of DNA barcode	● Nuclear internal transcribed spacer 2 (ITS2) is 228 bp ● Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H) is 303 – 304 bp ● Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L) is 553 bp

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250722

>24RD344-1A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD344-1A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD344-1A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD344
Sample mark	24RD344-1A
Locality	Badong County, Hubei Province, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD344-2A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD344-2A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD344-2A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD344
Sample mark	24RD344-2A
Locality	Badong County, Hubei Province, China
Corresponding plant voucher specimen	-
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. BIC260804

>24RD344-3A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804

>24RD344-3A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804

>24RD344-3A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD344
Sample mark	24RD344-3A
Locality	Badong County, Hubei Province, China
Corresponding plant voucher specimen	-
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. BIC260804

>24RD344-5A_ITS2
CGCATCGTATTGCCCACAAACCASTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Remarks

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804

>24RD344-5A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804

>24RD344-5A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD344
Sample mark	24RD344-5A
Locality	Badong County, Hubei Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 24S

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. BI250722

>24RD345-1A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD345-1A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD345-1A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD345
Sample mark	24RD345-1A
Locality	Wufeng Tujia Autonomous County, Hubei Province, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD345-2A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD345-2A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD345-2A_rbcL
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TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD345
Sample mark	24RD345-2A
Locality	Wufeng Tujia Autonomous County, Hubei Province, China
Corresponding plant voucher specimen	-
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. BIC260804

>24RD345-3A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804

>24RD345-3A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804

>24RD345-3A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD345
Sample mark	24RD345-3A
Locality	Wufeng Tujia Autonomous County, Hubei Province, China
Corresponding plant voucher specimen	-
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. BIC260804

>24RD345-4A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804

>24RD345-4A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804

>24RD345-4A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD345
Sample mark	24RD345-4A
Locality	Wufeng Tujia Autonomous County, Hubei Province, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD346-1A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD346-1A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD346-1A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
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CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD346
Sample mark	24RD346-1A
Locality	Wushan County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD346-2B_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD346-2B_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD346-2B_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD346
Sample mark	24RD346-2B
Locality	Wushan County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BIC260804

>24RD346-3A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804

>24RD346-3A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804

>24RD346-3A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
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CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD346
Sample mark	24RD346-3A
Locality	Wushan County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BIC260804

>24RD346-4A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804

>24RD346-4A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804

>24RD346-4A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD346
Sample mark	24RD346-4A
Locality	Wushan County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD347-1A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD347-1A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAAGCAATACCGCCCTCTT
GTTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTT
CAGACTGTTTTAGATAAACAAATATTTTTGAATGATC
AAAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATA
ATTAAAATAAATATAAATAATTAATAAATAAATAAAA
GAAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAA
GGCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD347-1A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD347
Sample mark	24RD347-1A
Locality	Wuxi County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD347-2A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD347-2A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAAGCAATACCGCCCTCTT
GTTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTT
CAGACTGTTTTAGATAAACAAATATTTTTGAATGATC
AAAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATA
ATTAAAATAAATATAAATAATTAATAAATAAATAAAA
GAAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAA
GGCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD347-2A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD347
Sample mark	24RD347-2A
Locality	Wuxi County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BIC260804

>24RD347-3A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804

>24RD347-3A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804

>24RD347-3A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD347
Sample mark	24RD347-3A
Locality	Wuxi County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BIC260804-2

>24RD347-5A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804-2

>24RD347-5A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804-2

>24RD347-5A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD347
Sample mark	24RD347-5A
Locality	Wuxi County, Chongqing Municipality, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD348-1A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD348-1A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

>24RD348-1A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
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CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD348
Sample mark	24RD348-1A
Locality	Pingwu County, Sichuan Province, China
Corresponding plant voucher specimen	-
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. BI250722

>24RD348-2A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BI250722

>24RD348-2A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGGTAAGACCGGGTTTTAGTATATACGA
GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI250722

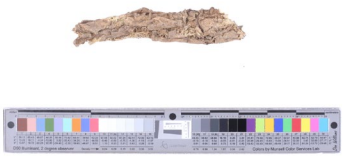
>24RD348-2A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD348
Sample mark	24RD348-2A
Locality	Pingwu County, Sichuan Province, China
Corresponding plant voucher specimen	-
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. BIC260804-2

>24RD348-3A_ITS2
CGCATCGTATTGCCCACAAACCACTCACACCTGAGAA
GTTGTGCCGGTTTGGGGCGGAAATTGGCCTCCCGTAC
CTTGTCGTGCGGTTGGCGGAAAAACGAGTCTCCGGCG
ATGGACGTCGCGACATCGGTGGTTGTAAAAAGACCCT
CTTGTCTTGTCGCGCGAATCCTCGTCATCTTAGCGAGC
TCCAGGACCCTTAGGTAGCACATACTCTGTGCGCTTC
GACTG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H)

Batch ID. BIC260804-2

>24RD348-3A_psbA-trnH
ATAACTTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
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GTTTTTTTAAATAAAAAAAAGCAATACCGCCCTCTTG
TTCTATCAAGAGGGCGGTATTTCTTCTTTTTATATTTC
AGACTGTTTTAGATAAACAAATATTTTTGAATGATCA
AAAAGGAATCCTTTTTTTTCTTTAATAAATATAAATAA
TTAAAATAAATATAAATAATTAATAAATAAATAAAAG
AAAATTGGCGGGGCGGATGTAGCCAAGTGGATCAAG
GCAGT

Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BIC260804-2

>24RD348-3A_rbcL
AGGTGTTGGATTCAAGGCTGGGGTTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCACCTGAAGAAGCGGGGGCCGCGGTAGC
TGCCGAATCTTCTACTGGTACATGGACCACTGTGTGG
ACCGATGGACTTACCAGCCTTGATCGTTACAAAGGGC
GCTGCTACGGAATCGAGCCCGTTGCTGGAGAAGAAA
ATCAATTTATCGCTTATGTAGCTTACCCATTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTAGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTGCGAATCCCCGTTGCTTATG
TTAAAACTTTCCAAGGACCGCCTCATGGCATCCAAGT
TGAGAGAGATAAATTGAACAAGTACGGTCGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD348
Sample mark	24RD348-3A
Locality	Pingwu County, Sichuan Province, China
Corresponding plant voucher specimen	-
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. BIC260804-2

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Batch ID. BIC260804-2

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Batch ID. BIC260804-2

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Reference Detail

Description of reference material	Specimen of Radix Angelicae Pubescentis
Scientific name	*Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan
Laboratory number	24RD348
Sample mark	24RD348-5A
Locality	Pingwu County, Sichuan Province, China
Corresponding plant voucher specimen	-
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 Chinese Materia Medica (CMM) Radix Angelicae Pubescentis

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Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H) sequence of Chinese Materia Medica (CMM) Radix Angelicae Pubescentis

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Partial chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L) sequence of Chinese Materia Medica (CMM) Radix Angelicae Pubescentis

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