Fact sheet of reference DNA sequences of *Schisandra sphenanthera* (華中五味子)

Summary	**Information**
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Type of reference material used for data generation	● Plant voucher specimen ● Fructus Schisandrae (南五味子)
Plant voucher specimen (number / locality)	● 1 / Yuncheng City, Shanxi Province, China ● 1 / Yongji City, Shanxi Province, China ● 2 / Yuanqu County, Shanxi Province, China
Chinese Materia Medica (number / locality)	● 4 / Yongji City, Shanxi Province, China ● 3 / Yuanqu County, Shanxi Province, China ● 2 / Shangluo City, Shaanxi Province, China ● 2 / Guangshui City, Hubei Province, China ● 1 / Lushi County, Henan Province, China ● 4 / Hong Kong SAR, 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 (modified polymerase chain

Summary	Information
	reaction conditions, see Appendix 1–3)
Length of DNA barcode	● Nuclear internal transcribed spacer 2 (ITS2) is 231 bp ● Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H) is 484 bp ● Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L) is 553 bp

Appendix 1

Modified polymerase chain reaction (PCR) conditions for ITS2

I) PCR cycling condition

Temperature	Time	No. of cycles
94℃	5 min	1
94℃ 56℃ 72℃	30 sec 30 sec 45 sec	45
72℃	10 min	1
4℃	∞	-

Appendix 2

Modified polymerase chain reaction (PCR) conditions for *psb*A-*trn*H

I) PCR cycling condition

Temperature	Time	No. of cycles
94℃	5 min	1
94℃ 56℃ 72℃	1 min 1 min 1.5 min	40
72℃	7 min	1
4℃	∞	-

Appendix 3

Modified polymerase chain reaction (PCR) conditions for *rbc*L

I) PCR cycling condition

Temperature	Time	No. of cycles
94℃	4 min	1
94℃ 55℃ 72℃	30 sec 30 sec 1 min	45
72℃	10 min	1
4℃	∞	-

Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224-2

>22RD37-1A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTTG
TGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACC
AGCATCG

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

Batch ID. BI251224-2

>22RD37-1A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTYTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

Remarks: observation at nucleotide position 69

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

Batch ID. BI251224-2

>22RD37-1A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD37
Sample mark	22RD37-1A
Locality	Yuncheng City, Shanxi Province, China
Corresponding CMM specimen	-
Authenticated	Yes
Remarks	psbA-trnH: 69Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224-2

>22RD38-1A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTTG
TGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACC
AGCATCG

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

Batch ID. BI251224-2

>22RD38-1A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTYTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

Remarks: observation at nucleotide position 69

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

Batch ID. BI251224-2

>22RD38-1A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD38
Sample mark	22RD38-1A
Locality	Yongji City, Shanxi Province, China
Corresponding CMM specimen	22RD41
Authenticated	Yes
Remarks	psbA-trnH: 69Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224-2

>22RD39-1B_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTTG
TGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACC
AGCATCG

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

Batch ID. BI251224-2

>22RD39-1B_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTYTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

Remarks: observation at nucleotide position 69

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

Batch ID. BI251224-2

>22RD39-1B_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD39
Sample mark	22RD39-1B
Locality	Yuanqu County, Shanxi Province, China
Corresponding CMM specimen	22RD42
Authenticated	Yes
Remarks	psbA-trnH: 69Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224-2

>22RD40-1A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTTGT
GGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACCA
GCATCG

Remarks: observation at nucleotide position 173

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

Batch ID. BI251224-2

>22RD40-1A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251224-2

>22RD40-1A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD40
Sample mark	22RD40-1A
Locality	Yuanqu County, Shanxi Province, China
Corresponding CMM specimen	22RD42
Authenticated	Yes
Remarks	ITS2: 173R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224

>22RD41-2A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTTGT
GGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACCA
GCATCG

Remarks: observation at nucleotide position 173

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

Batch ID. BI251224

>22RD41-2A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251224

>22RD41-2A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD41
Sample mark	22RD41-2A
Locality	Yongji City, Shanxi Province, China
Corresponding plant voucher specimen	22RD38
Authenticated	Yes
Remarks	ITS2: 173R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224

>22RD41-4A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCAAGTCGCATTCCTTG
TGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACC
AGCATCG

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

Batch ID. BI251224

>22RD41-4A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251224

>22RD41-4A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD41
Sample mark	22RD41-4A
Locality	Yongji City, Shanxi Province, China
Corresponding plant voucher specimen	22RD38
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224

>22RD41-5B_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTTG
TGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACC
AGCATCG

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

Batch ID. BI251224

>22RD41-5B_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251224

>22RD41-5B_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD41
Sample mark	22RD41-5B
Locality	Yongji City, Shanxi Province, China
Corresponding plant voucher specimen	22RD38
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI260123

>22RD41-6A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCYTTTT
TGGTGTATGGTGTTTGYGAGGAGCGGATATTGGCTGC
CCGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCC
CCTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATG
CCCTTCTCACCGCGTGGGACGTCAAGTCGCATTCCTT
GTGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAAC
CAGCATCG

Remarks: observation at nucleotide position 34, 55

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

Batch ID. BI260123

>22RD41-6A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI260123

>22RD41-6A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD41
Sample mark	22RD41-6A
Locality	Yongji City, Shanxi Province, China
Corresponding plant voucher specimen	22RD38
Authenticated	Yes
Remarks	ITS2: 34Y, 55Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224

>22RD42-1B_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCYTTTT
TGGTGTATGGTGTTTGYGAGGAGCGGATATTGGCTGC
CCGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCC
CCTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATG
CCCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTT
GTGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAAC
CAGCATCG

Remarks: observation at nucleotide position 34, 55

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

Batch ID. BI251224

>22RD42-1B_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251224

>22RD42-1B_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD42
Sample mark	22RD42-1B
Locality	Yuanqu County, Shanxi Province, China
Corresponding plant voucher specimen	22RD39, 22RD40
Authenticated	Yes
Remarks	ITS2: 34Y, 55Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224

>22RD42-2A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTTG
TGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACC
AGCATCG

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

Batch ID. BI251224

>22RD42-2A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251224

>22RD42-2A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD42
Sample mark	22RD42-2A
Locality	Yuanqu County, Shanxi Province, China
Corresponding plant voucher specimen	22RD39, 22RD40
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251224

>22RD42-3A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTTGT
GGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACCA
GCATCG

Remarks: observation at nucleotide position 173

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

Batch ID. BI251224

>22RD42-3A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251224

>22RD42-3A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	22RD42
Sample mark	22RD42-3A
Locality	Yuanqu County, Shanxi Province, China
Corresponding plant voucher specimen	22RD39, 22RD40
Authenticated	Yes
Remarks	ITS2: 173R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251231

>25RD142-1A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTTG
TGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACC
AGCATCG

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

Batch ID. BI251231

>25RD142-1A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

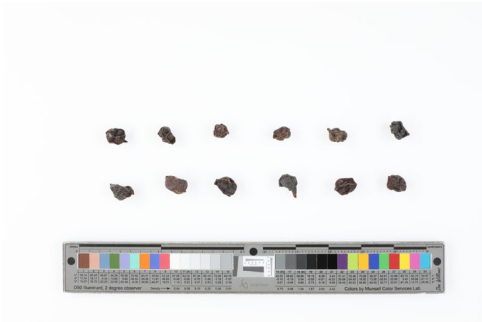
Batch ID. BI251231

>25RD142-1A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD142
Sample mark	25RD142-1A
Locality	Shangluo City, Shaanxi Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251231

>25RD142-2A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCYTTTT
TGGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGC
CCGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCC
CCTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATG
CCCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTT
GTGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAAC
CAGCATCG

Remarks: observation at nucleotide position 34, 173

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

Batch ID. BI251231

>25RD142-2A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

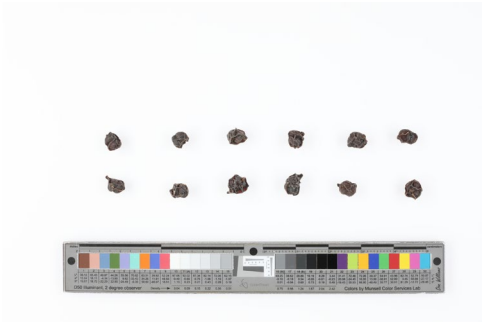
Batch ID. BI251231

>25RD142-2A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD142
Sample mark	25RD142-2A
Locality	Shangluo City, Shaanxi Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 34Y, 173R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251231

>25RD143-1A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTTGT
GGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACCA
GCATCG

Remarks: observation at nucleotide position 173

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

Batch ID. BI251231

>25RD143-1A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251231

>25RD143-1A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD143
Sample mark	25RD143-1A
Locality	Guangshui City, Hubei Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 173R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251231

>25RD143-2A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTTGT
GGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACCA
GCATCG

Remarks: observation at nucleotide position 173

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

Batch ID. BI251231

>25RD143-2A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251231

>25RD143-2A_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD143
Sample mark	25RD143-2A
Locality	Guangshui City, Hubei Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 173R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI260123

>25RD144-1C_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCCTTTTT
GGTGTATGGTGTTTGCGAGGAGCGGATATTGGCTGCC
CGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCCC
CTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATGC
CCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTTGT
GGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAACCA
GCATCG

Remarks: observation at nucleotide position 173

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

Batch ID. BI260123

>25RD144-1C_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI260123

>25RD144-1C_rbcL
AAGTGTTGGATTCAAGGCTGGTGTTAAAGATTACAGA
TTGACTTATTATACTCCTGAATATGAAACGAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCGCCCGAGGAAGCGGGAGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACCTGGACTACTGTGTGG
ACTGATGGACTTACCAGCCTCGATCGTTATAAAGGGC
GATGCTACCACATTGAGCCCGTTGCTGGGGAGGAAAA
TCAATATATTGCTTATGTAGCTTACCCTTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCTATT
GTGGGTAATGTATTTGGGTTCAAAGCCCTACGAGCTC
TGCGTCTGGAAGATTTGCGAATTCCTCCTGCTTATTCC
AAAACTTTCCAAGGCCCACCTCATGGCATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGTCGTCCCCTATT
GGGATGTACTATTAAACCAAAATTAGGGTTATCTGCC
AAGAACTACGGTAGAGCGGTTTATGAATGTCTC

Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD144
Sample mark	25RD144-1C
Locality	Lushi County, Henan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 173R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251231

>25RD145-1A_ITS2
CGCTTTGCGTCGCTCCCCTCCCTCCCATTCTCCYTTTT
TGGTGTATGGTGTTTGYGAGGAGCGGATATTGGCTGC
CCGTGCCATGTTTGTGCGGTCGGCCGAAAGATGGGCC
CCTGGTGTGTTGTGACACGACGAGTGGTGGTCAAATG
CCCTTCTCACCGCGTGGGACGTCRAGTCGCATTCCTT
GTGGCTCTTGGGACTCTTGGAGCCGCTTCGYGGCAAC
CAGCATCG

Remarks: observation at nucleotide position 34, 55, 173, 217

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

Batch ID. BI251231

>25RD145-1A_psbA-trnH
ACAACTTCCCGCTAGACCTAGCTGCTGTCGAAGCTCC
ATCTATAAACGGATAAGACTAAGACTTCGGTCTTAAT
GTATACGAGACCTTGAAGAAACAATACAATATCAAA
CCTCTTGAGAAAACAAGAAATTGGTTATTGTATTGTT
TCTTCAATTGACAATTGAGTAGTGTTTTATTCGCATCG
ACATTTATTCCAGTGAAATTTCTTTTTTTTTGTTTCAAC
TTAATAAAAACATTACTGCTGGTTGGTTCATGACCAA
ATAACATACTTTTGTTATGTACCTATACGTAATTTATG
TACGTTCCGCAAACTCATTTGAGTTTTGTTTTAATGTG
TTTTAATGGCATCTTATGCCAGAGATATGTAAAATCT
AGCTCTCTGTATGAAATGACTAAATACAAAATAAAAA
AATTTTGAATAGTCGAAATGGAATCTTTTTGATAGAG
AGGAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI251231

>25RD145-1A_rbcL
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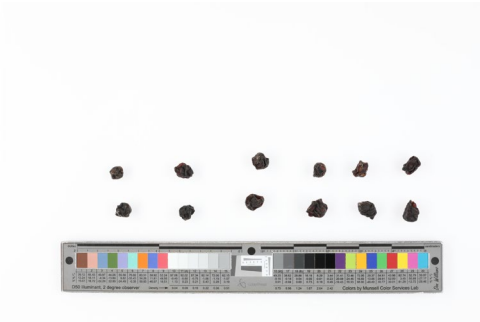
Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD145
Sample mark	25RD145-1A
Locality	Hong Kong SAR, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 34Y, 55Y, 173R, 217Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI260123

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

Batch ID. BI260123

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

Batch ID. BI260123

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Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD146
Sample mark	25RD146-1E
Locality	Hong Kong SAR, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251231

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CCCTTCTCACCGCGTGGGACGTCGAGTCGCATTCCTT
GTGGCTCTTGGGACTCTTGGAGCCGCTTCGCGGCAAC
CAGCATCG

Remarks: observation at nucleotide position 34, 55

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

Batch ID. BI251231

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

Batch ID. BI251231

>25RD147-1A_rbcL
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Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD147
Sample mark	25RD147-1A
Locality	Hong Kong SAR, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 34Y, 55Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI251231

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CAGCATCG

Remarks: observation at nucleotide position 34, 55

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

Batch ID. BI251231

>25RD148-1A_psbA-trnH
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Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L)

Batch ID. BI251231

>25RD148-1A_rbcL
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Reference Detail

Description of reference material	Specimen of Schisandrae Sphenantherae Fructus
Scientific name	*Schisandra sphenanthera* Rehd. Et Wils.
Laboratory number	25RD148
Sample mark	25RD148-1A
Locality	Hong Kong SAR, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 34Y, 55Y

Image



Reference DNA sequences in FASTA format

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2) sequence of plant voucher specimen of *Schisandra sphenanthera* and Chinese Materia Medica (CMM) Fructus Schisandrae

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Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H) sequence of plant voucher specimen of *Schisandra sphenanthera* and Chinese Materia Medica (CMM) Fructus Schisandrae

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