

Fact sheet of reference DNA sequences of *Phellodendron chinense* (黃皮樹)

Summary	Information
Scientific name	<i>Phellodendron chinense</i> Schneid
Type of reference material used for data generation	● Plant voucher specimen ● Chinese Materia Medica: Cortex Phellodendri Chinensis (川黃柏) / Cortex Phellodendri (黃柏)
Plant voucher specimen (number / locality)	● 2 / Zhenba County, Shaanxi, China ● 2 / Changshun County, Guizhou Province, China
Chinese Materia Medica (number / locality)	● 4 / Zhenba County, Shaanxi, China ● 12 / Changshun County, Guizhou 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

Summary	Information
	226-227 bp ● Chloroplast <i>psbA-trnH</i> intergenic spacer (<i>psbA-trnH</i>) is 417-438 bp ● Chloroplast ribulose biphosphate carboxylase 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. BI220209

>22RD18-1B ITS2

CGCATCGCTGCCCCACCCACCCCGCCCCGGGGGCC
TGGCGGTGCGGGCGGACAAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCACGCCGCGAGCCCGTGTCTTCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220209

>22RD18-1B *psbA-trnH*

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTGCGGTATTAATCCGTTATTGAGTCGGTTT
CTTAGTAGTTTTTATTACATCTTTTTTTTTTTTATT
TAATTTGAAGTATTTTTATGCTTTTCGTTCTTTTCTTTG
ATTTAGTATCATATTTTGGTATGCGCTAATACTACTA
AGAAAATTTTAAATTTTCTTAATTTATTAATTAGATTCT
AATTTTTGAATTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
TTT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220209

>22RD18-1B *rbcL*

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	22RD18
Sample mark	22RD18-1B
Locality	Zhenba County, Shaanxi, China
Corresponding CMM specimen	21RD65
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220209

>22RD19-1B ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGCGGGCGGACAAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCAGCCCGCGAGCCCGTGTCTTCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220209

>22RD19-1B *psbA-trnH*

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTGCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTACATCTTTTTTTTTTTTATT
TAATTTGAAGTATTTTTATGCTTTTCGTTCTTTCTTTG
ATTTAGTATCATATATTTGGTATGCGCTAATACTACTA
AGAAAATTTTAAATTTTCTTAATTTATTAATTAGATTCT
AATTTTTGAATTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
TTTTGTAAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220209

>22RD19-1B *rbcL*

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	22RD19
Sample mark	22RD19-1B
Locality	Zhenba County, Shaanxi, China
Corresponding CMM specimen	21RD65
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220209

>22RD20-1B ITS2

CGCATCGCTGCCCCACCCCCACCCCCGCCCCGGGGGC
CTGGCGGTGTGGGCGAAAAATGGCCTCCCGTGCGCTC
CCCGCTCGCGGTGGGCCAAATTCGAGTCCTCGGCGA
CCGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTC
TCGAGCTCACGCCGCGAGCCCGTGTCTCCTTTTCGG
GACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTC
GCATCG

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

Batch ID. BI220209

>22RD20-1B *psbA-trnH*

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTGCGGTATTAATCCGTTATTGAGTCGGTTT
CTTAGTAGTTTTTTATTTACATCTTTTTTTTTTTTATT
TAATTTGAAGTATTTTTATGCTTTTCGTTCTTTTCTTTG
ATTTAGTATCATATTTTGGTATGCGCTAATACTACTA
AGAAAATTTTAATTTTCTTAATTTATTAATTAGATTCT
AATTTTTGAATTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
TTTTGTAAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220209

>22RD20-1B *rbcL*

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTGTG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	22RD20
Sample mark	22RD20-1B
Locality	Changshun County, Guizhou Province, China
Corresponding CMM specimen	21RD66
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220209

>22RD21-1B ITS2

CGCATCGCTGCCCCACCCCCACCCCCGCCCCGGGGGC
CTGGCGGTGTGGGCGAAAAATGGCCTCCCGTGCCTC
CCCGCTCGCGGTGGGCCAAATTCGAGTCCTCGGCGA
CCGGAGCCGCGGCGATCGGTGGTGAAAAACAAGCCTC
TCGAGCTCACGCCGCGAGCCCGTGTCTCCTTTTCGG
GACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTC
GCATCG

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

Batch ID. BI220209

>22RD21-1B *psbA-trnH*

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTGGTATTAATCCGTTATTGAGTCGGTTT
CTTAGTAGTTTTTTATTTACATCTTTTTTTTTTTTATT
TAATTTGAAGTATTTTTATGCTTTTCGTTCTTTTCTTG
ATTTAGTATCATATTTTGGTATGCGCTAATACTACTA
AGAAAATTTTAAATTTTCTTAATTTATTAATTAGATTCT
AATTTTTGAATTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
TTT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220209

>22RD21-1B *rbcL*

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGGTATA
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCGT
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	22RD21
Sample mark	22RD21-1B
Locality	Changshun County, Guizhou Province, China
Corresponding CMM specimen	21RD66
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220209-2

>21RD65-1A ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGCGGGCGGACAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCACGCCGCGAGCCCGTGTCTTCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220209-2

>21RD65-1A *psbA-trnH*

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCGC
AAGGGGGGTGCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTACATCTTTTTTTTTTTTATT
TTAATTTGAAGTATTTTATGCTTTTCGTTCTTTCTTT
GATTTAGTATCATATATTTGGTATGCGCTAATACTACT
AAGAAAATTTTAAATTTTATTAATTTATTAATTAGATT
TAATTTTGAATTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
TTTTGTAAA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220209-2

>21RD65-1A *rbcL*

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex <i>Phellodendri Chinensis</i>
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD65
Sample mark	21RD65-1A
Locality	Zhenba County, Shaanxi, China
Corresponding plant voucher specimen	22RD18, 22RD19
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. BI220316

>21RD65-5A ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGCGGGCGGACAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCACGCCGCGAGCCCGTGTCTTCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220316

>21RD65-5A_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCGC
AAGGGGGGTGCGGTATTAATCCGTTATTGAGTCGGTTT
CTTAGTAGTTTTTATTACATCTTTTTTTTTTTTATT
TTAATTTGAAGTATTTTATGCTTTTCGTTCTTTCTTT
GATTTAGTATCATATATTTGGTATGCGCTAATACTACT
AAGAAAATTTTAAATTTTCTTAATTTATTAATTAGATT
TAATTTTTGAATTTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
TTTTGTAAATAGCAGAGGGGCG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316

>21RD65-5A_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD65
Sample mark	21RD65-5A
Locality	Zhenba County, Shaanxi, China
Corresponding plant voucher specimen	22RD18, 22RD19
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. BI220316

>21RD65-6B ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGCGGGCGGACAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCAGCCCGGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220316

>21RD65-6B *psbA-trnH*

AATGGATAAGATTTTGATCTTTGTGTAGACGAGTTTT
AAAAATAACGGATCAATACCGACCCCCGCAAGGGG
GGTCGGTATTAATCCGTTATTGAGTCGGTTCTTTAGT
AGTTTTTTATTTACATCTTTTTTTTTTTTATTTAATT
TGAAGTATTTTATGCTTTTCGTTCTTTCTTTGATTTA
GTATCATATATTTGGTATGCGCTAATACTACTAAGAA
AATTTTAATTTTATTAATTTATTAATTAGATTCTAATT
TTTGAATTTTACAGTTAATTTAATAGAAAAGAAAAAG
AGAAAGGTTGTAGTTTGTGCCCTTCGATCTTCATGG
ATTTTCATAAAATAAGATAAGATAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAGCAGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316

>21RD65-6B *rbcL*

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex <i>Phellodendri Chinensis</i>
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD65
Sample mark	21RD65-6B
Locality	Zhenba County, Shaanxi, China
Corresponding plant voucher specimen	22RD18, 22RD19
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. BI220316

>21RD65-7B ITS2

CGCATCGCTGCCCCACCCACCCCGCCYCGGGGGCC
TGGCGGTGCGGGCGGACAAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGYGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCACGCCGCGAGCCCGTGTCTTCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 29, 123

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

Batch ID. BI220316

>21RD65-7B_psbA-trnH

TTTTGATCTTTGTGTAGACGAGTTTTTAAAAATAACGG
ATCAATACCGACCCCTTGCGGGGGTTCGGTATTAA
TCCGTTATTGAGTCGGTTCTTTAGTAGTTTTTATTTA
CATCTTTTTTTTTTTTATTTTAATTTGAAGTATTTTTAT
GCTTTTCGTTCTTTTCTTTGATTAGTATCATATATTGG
GTATGCGCTAATACTACTAAGAAAATTTAATTTTCTT
AATTTATTAATTAGATTCTAATTTTTGAATTTTACAG
TTAATTTAATAGAAAAGAAAAGAGAAAGGTTGTAGTT
TTGTGCCCTTCGATCTTCATGGATTTTCATAAATAAGA
TAAGATAAAAAAATAATGATCAATGATTGAAATGGA
GATTTTTGTAGTTCAAAATTTGTAAATAGCAGAGGG
G

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316

>21RD65-7B_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD65
Sample mark	21RD65-7B
Locality	Zhenba County, Shaanxi, China
Corresponding plant voucher specimen	22RD18, 22RD19
Authenticated	Yes
Remarks	ITS2: 29Y, 123Y

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. BI220209-2

>21RD66-2A ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGTGGGCGRAAAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCCAAATTCGAGTCCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 52

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

Batch ID. BI220209-2

>21RD66-2A_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCGC
AAGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTTATTT
TAATTTGAAGTATTTTTATGCTTTTCGTTCTTTCTTTG
ATTTAGTATCATATATTTGGTATGCGCTAATACTACTA
AGAAAAATTTAATTTCTTAATTTATTAATTAGATTCT
AATTTTGAATTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
TTTTGTAAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220209-2

>21RD66-2A_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-2A
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 52R

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. BI220316-2

>21RD66-3B ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGCAGGCGGAAAAATGGCCTCCCGTGCCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAACAAGCCTCT
CGAGCTCAGCCCGGAGCCCGTGTCTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220316-2

>21RD66-3B *psbA-trnH*

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTATTTT
AATTTGAAGTATTTTTATGCTTTTCGTCTTTCTTTGA
TTTAGTATCATATTTTGGTATGCGCTAATACTACTAA
GAAAATTTTAAATTTCTTAATTTATTAATTAGATTCTA
ATTTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAATGGAGATTTTGTAGTTCAAAT
TTTGTAATAGCAGAGGGGCG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316-2

>21RD66-3B *rbcL*

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex <i>Phellodendri Chinensis</i>
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-3B
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
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. BI220316-2

>21RD66-4A ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGCAGGCGGAAAAATGGCCTCCCGTGCCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCAGCCCGGAGCCCGTGTCTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGGAGCGGCGCTCG
CATCG

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

Batch ID. BI220316-2

>21RD66-4A_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTTATTT
AATTTGAAGTATTTTTATGCTTTTCGTCTTTCTTTGA
TTAGTATCATATTTTGGTATGCGCTAATACTACTAA
GAAAATTTTAAATTTTCTTAATTTATTAATTAGATTCTA
ATTTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAATGGAGATTTTGTAGTTCAAAT
TTTGTAATAGCAGAGGGGCG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316-2

>21RD66-4A_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-4A
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
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. BI220316-2

>21RD66-5B ITS2

CGCATCGCTGCCCCACCCACCCCCKCCCCGGGGGCC
TGGCGGTGYGGGCGRAAAATGGCCTCCCGTGCCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGARCTACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 26, 46, 52, 151

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

Batch ID. BI220316-2

>21RD66-5B_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTATTTT
AATTTGAAGTATTTTATGCTTTTCGTCTTTTCTTTGA
TTAGTATCATATATTTGGTATGCGCTAATACTACTAA
GAAAAATTTAATTTCTTAATTTATTAATTAGATTCTA
ATTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAATGGAGATTTTGTAGTTCAAAAT
TTTGTAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316-2

>21RD66-5B_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTACTCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-5B
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 26K, 46Y, 52R, 151R

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. BI220316-2

>21RD66-6A ITS2

CGCATCGCTGCCCCACCCACCCCCKCCCCGGGGGCC
TGGCGGTGYGGGCGRAAAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCCAAATTCGAGTCCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGARCTACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 26, 46, 52, 151

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

Batch ID. BI220316-2

>21RD66-6A_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTATTTT
AATTGGAAGTATTTTATGCTTTTCGTCTTTTCTTTGA
TTAGTATCATATATTTGGTATGCGCTAATACTACTAA
GAAAAATTTAATTTCTTAATTTATTAATTAGATTCTA
ATTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAATGGAGATTTTGTAGTTCAAAAT
TTTGTAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316-2

>21RD66-6A_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAATCATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-6A
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 26K, 46Y, 52R, 151R

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. BI220316-2

>21RD66-7B ITS2

CGCATCGCTGCCCCACCCACCCCCKCCCCGGGGGCC
TGGCGGTGYGGGCGRAAAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGARCTACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 26, 46, 52, 151

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

Batch ID. BI220316-2

>21RD66-7B_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTATTTT
AATTTGAAGTATTTTATGCTTTTCGTCTTTTCTTTGA
TTAGTATCATATATTTGGTATGCGCTAATACTACTAA
GAAAAATTTAATTTCTTAATTTATTAATTAGATTCTA
ATTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAAATGGAGATTTTGTAGTTCAAAAT
TTTGTAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316-2

>21RD66-7B_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-7B
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 26K, 46Y, 52R, 151R

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. BI220316-2

>21RD66-8B ITS2

CGCATCGCTGCCCCACCCACCCCCKCCCCGGGGGCC
TGGCGGTGYGGGCGRAAAATGGCCTCCCGTGCGCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGARCTACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 26, 46, 52, 151

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

Batch ID. BI220316-2

>21RD66-8B_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTATTTT
AATTGGAAGTATTTTATGCTTTTCGTCTTTTCTTTGA
TTAGTATCATATATTTGGTATGCGCTAATACTACTAA
GAAAAATTTAATTTCTTAATTTATTAATTAGATTCTA
ATTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAAATGGAGATTTTGTAGTTCAAAAT
TTGTAAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316-2

>21RD66-8B_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-8B
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 26K, 46Y, 52R, 151R

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. BI220316-2

>21RD66-9A ITS2

CGCATCGCTGCCCCACCCACCCCCKCCCCGGGGGCC
TGGCGGTGYGGGCGRAAAATGGCCTCCCGTGCCTCC
CCGCTCGCGTTGGCCAAATTCGAGTCCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGARCTACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 26, 46, 52, 151

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

Batch ID. BI220316-2

>21RD66-9A_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTATTTT
AATTTGAAGTATTTTATGCTTTTCGTCTTTTCTTTGA
TTAGTATCATATATTTGGTATGCGCTAATACTACTAA
GAAAAATTTAATTTCTTAATTTATTAATTAGATTCTA
ATTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAATGGAGATTTTGTAGTTCAAAAT
TTTGTAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220316-2

>21RD66-9A_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGT
TGAGAGAGATAAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-9A
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 26K, 46Y, 52R, 151R

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. BI220321

>21RD66-11B ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGCAGGCGGAAAAATGGCCTCCCGTGCCTCC
CCGCTCGCGGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCAGCCCGGAGCCCGTGTCTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220321

>21RD66-11B_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCTT
GCGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTACATCTTTTTTTTTTTATTT
AATTTGAAGTATTTTTATGCTTTTCGTCTTTCTTTGA
TTTAGTATCATATTTTGGTATGCGCTAATACTACTAA
GAAAATTTTAATTTTCTTAATTTATTAATTAGATTCTA
ATTTTTGAATTTTACAGTTAATTTAATAGAAAAGAA
AAGAGAAAAGGTTGTAGTTTGTGCCCTTCGATCTCA
TGGATTTTCATAAATAAGATAAGATAAAAAAATAATG
ATCAATGATTGAAATGGAGATTTTGTAGTTCAAAT
TTTGTAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220321

>21RD66-11B_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAATCCCTACCGCGTATA
CTAAAACCTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex <i>Phellodendri Chinensis</i>
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-11B
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
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. BI220321

>21RD66-12B ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
TGGCGGTGTGGGCGRAAAATGGCCTCCCGTGCCTCC
CCGCTCGCGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 52

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

Batch ID. BI220321

>21RD66-12B_psbA-trnH

TCTACAAATGGATAAGATTTTGATCTTTGTGTAGACG
AGTTTTTAAAAATAACGGATCAATACCGACCCCCCGC
AAGGGGGGTCGGTATTAATCCGTTATTGAGTCGGTTT
CTTTAGTAGTTTTTATTTACATCTTTTTTTTTTTATTT
TAATTTGAAGTATTTTTATGCTTTTCGTTCTTTCTTTG
ATTTAGTATCATATATTTGGTATGCGCTAATACTACTA
AGAAAAATTTAATTTCTTAATTTATTAATTAGATTCT
AATTTTGAATTTTACAGTTAATTTAATAGAAAAGA
AAAGAGAAAAGGTTGTAGTTTGTGCCCTTCGATCTTC
ATGGATTTTCATAAATAAGATAAGATAAAAAAATAAT
GATCAATGATTGAAAATGGAGATTTTGTAGTTCAAAA
TTTTGTAAATAGCAGAGGGGCGGA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220321

>21RD66-12B_rbcL

GAGTGTGGATTCAAAGCCGGTGTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGCAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAAGTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTGTG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCCGTGCTGGAGAAGAAA
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TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
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Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-12B
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 52R

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. BI220321

>21RD66-14A ITS2

CGCATCGCTGCCCCACCCACCCCCGCCCCGGGGGCC
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CCGCTCGCGTTGGCCAAATTCGAGTCTCGGCGAC
CGGAGCCGCGGCGATCGGTGGTGAAAACAAGCCTCT
CGAGCTCACGCCGCGAGCCCGTGTCTTCCTTTTCGGG
ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

Remarks: observation at nucleotide position 52

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

Batch ID. BI220321

>21RD66-14A_psbA-trnH

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AGAAAATTTAATTTCTTAATTTATTAATTAGATTCT
AATTTTGAATTTTACAGTTAATTTAATAGAAAAGA
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Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220321

>21RD66-14A_rbcL

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TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
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Reference Detail

Description of reference material	Specimen of Cortex Phellodendri Chinensis
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-14A
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
Authenticated	Yes
Remarks	ITS2: 52R

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. BI220321

>21RD66-16B ITS2

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ACTCAGGGACCCTGACGCTCCGCGCGAGCGGCGCTCG
CATCG

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

Batch ID. BI220321

>21RD66-16B_psbA-trnH

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GATCAATGATTGAAATGGAGATTTTGTAGTTCAAAA
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Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220321

>21RD66-16B_rbcL

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CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Reference Detail

Description of reference material	Specimen of Cortex <i>Phellodendri Chinensis</i>
Scientific name	<i>Phellodendron chinense</i> Schneid
Laboratory number	21RD66
Sample mark	21RD66-16B
Locality	Changshun County, Guizhou Province, China
Corresponding plant voucher specimen	22RD20, 22RD21
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 *Phellodendron chinense* and Chinese Materia Medica (CMM) Cortex *Phellodendri Chinensis*

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Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*) sequence of plant voucher specimen of *Phellodendron chinense* and Chinese Materia Medica (CMM) Cortex *Phellodendri Chinensis*

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>21RD66-6A psbA-trnH

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>21RD66-7B psbA-trnH

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