

Fact sheet of reference DNA sequences of *Quisqualis indica* (使君子)

Summary	Information
Scientific name	<i>Quisqualis indica</i> L.
Type of reference material used for data generation	● Fructus Quisqualis (使君子) ● Plant voucher specimen
Fructus Quisqualis (使君子) (number of specimens / locality)	● 5 / Fengdu County, Chongqing Municipality, China ● 4 / Hechuan District, Chongqing Municipality, China ● 5 / Tongliang District, Chongqing Municipality, China
Plant voucher specimen (number of specimens / locality)	● 2 / Fengdu County, Chongqing Municipality, China ● 2 / Hechuan District, Chongqing Municipality, China ● 2 / Tongliang District, Chongqing Municipality, 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 217 bp ● Chloroplast <i>psbA-trnH</i> intergenic spacer (<i>psbA-trnH</i>) is 301 bp ● Chloroplast ribulose biphosphate carboxylase large chain (<i>rbcL</i>) is 553 bp

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412

>RD621-1B ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTACGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 103

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

Batch ID. BI210412

>RD621-1B *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412

>RD621-1B *rbcL*

AAAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD621
Sample mark	RD621-1B
Locality	Fengdu County, Chongqing Municipality, China
Corresponding voucher specimen	RD649, RD650
Authenticated	Yes
Remarks	ITS2: 103W

Image

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412

>RD621-2A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAAACCAATG

Remarks: observations at nucleotide position 103, 196

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

Batch ID. BI210412

>RD621-2A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412

>RD621-2A_rbcL

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD621
Sample mark	RD621-2A
Locality	Fengdu County, Chongqing Municipality, China
Corresponding voucher specimen	RD649, RD650
Authenticated	Yes
Remarks	ITS2: 103W, 196Y

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. BI210914

>RD621-3A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTACGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 103

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

Batch ID. BI210914

>RD621-3A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD621-3A_rbcL

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD621
Sample mark	RD621-3A
Locality	Fengdu County, Chongqing Municipality, China
Corresponding voucher specimen	RD649, RD650
Authenticated	Yes
Remarks	ITS2: 103W

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. BI210914

>RD621-4A ITS2

CACATCGCGTTGCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAAAYTTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 102, 196

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

Batch ID. BI210914

>RD621-4A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD621-4A_rbcL

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD621
Sample mark	RD621-4A
Locality	Fengdu County, Chongqing Municipality, China
Corresponding voucher specimen	RD649, RD650
Authenticated	Yes
Remarks	ITS2: 102Y, 196Y

Image

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210914

>RD621-5B ITS2

CACATCGCGTTGCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAAACCAATG

Remarks: observations at nucleotide position 103, 196

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

Batch ID. BI210914

>RD621-5B_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD621-5B_rbcL

AAAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD621
Sample mark	RD621-5B
Locality	Fengdu County, Chongqing Municipality, China
Corresponding voucher specimen	RD649, RD650
Authenticated	Yes
Remarks	ITS2: 103W, 196Y

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. BI210412

>RD622-1B ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAAYTTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 102, 196

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

Batch ID. BI210412

>RD622-1B_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412

>RD622-1B_rbcL

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD622
Sample mark	RD622-1B
Locality	Tongliang District, Chongqing Municipality, China
Corresponding voucher specimen	RD651, RD652
Authenticated	Yes
Remarks	ITS2: 102Y, 196Y

Image

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412

>RD622-2A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATATATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTACGACCCTGATCATTAACCAATG

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

Batch ID. BI210412

>RD622-2A *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412

>RD622-2A *rbcL*

AAGTGTGGATTCAAAGCTGGTGTTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCGCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCT
ACGCTCTGGAGGATCTGCGAATTCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD622
Sample mark	RD622-2A
Locality	Tongliang District, Chongqing Municipality, China
Corresponding voucher specimen	RD651, RD652
Authenticated	Yes
Remarks	-

Image

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210914

>RD622-3A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAAATTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTATGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 102

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

Batch ID. BI210914

>RD622-3A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD622-3A_rbcL

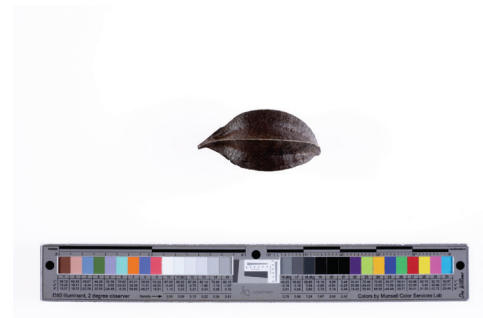
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CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD622
Sample mark	RD622-3A
Locality	Tongliang District, Chongqing Municipality, China
Corresponding voucher specimen	RD651, RD652
Authenticated	Yes
Remarks	ITS2: 102Y

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Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210914

>RD622-4A ITS2

CACATCGCGTTGCCTCCAAGACCTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTACGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 103

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

Batch ID. BI210914

>RD622-4A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD622-4A_rbcL

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD622
Sample mark	RD622-4A
Locality	Tongliang District, Chongqing Municipality, China
Corresponding voucher specimen	RD651, RD652
Authenticated	Yes
Remarks	ITS2: 103W

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Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210914

>RD622-5A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAACCTTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTATGACCCTGATCATTAACCAATG

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

Batch ID. BI210914

>RD622-5A *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTTATAATATTATATATATA
TAATAATTATAAAAAATCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD622-5A *rbcL*

AAGTGTTGGATTCAAAGCTGGTGTTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCGCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCCTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCT
ACGCTCTGGAGGATCTGCGAATTCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD622
Sample mark	RD622-5A
Locality	Tongliang District, Chongqing Municipality, China
Corresponding voucher specimen	RD651, RD652
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. BI210412

>RD623-1A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAAYTTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCCTAAGGGGTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTATGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 102

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

Batch ID. BI210412

>RD623-1A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412

>RD623-1A_rbcL

AAAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD623
Sample mark	RD623-1A
Locality	Hechuan District, Chongqing Municipality, China
Corresponding voucher specimen	RD647, RD648
Authenticated	Yes
Remarks	ITS2: 102Y

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. BI210412

>RD623-2A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAAACCAATG

Remarks: observations at nucleotide position 103, 196

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

Batch ID. BI210412

>RD623-2A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412

>RD623-2A_rbcL

AAAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD623
Sample mark	RD623-2A
Locality	Hechuan District, Chongqing Municipality, China
Corresponding voucher specimen	RD647, RD648
Authenticated	Yes
Remarks	ITS2: 103W, 196Y

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. BI210914

>RD623-3B ITS2

CACATCGCGTTGCCTCCAAGACCTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTACGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 103

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

Batch ID. BI210914

>RD623-3B_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD623-3B_rbcL

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD623
Sample mark	RD623-3B
Locality	Hechuan District, Chongqing Municipality, China
Corresponding voucher specimen	RD647, RD648
Authenticated	Yes
Remarks	ITS2: 103W

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. BI210914

>RD623-4A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAAACCAATG

Remarks: observations at nucleotide position 103, 196

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

Batch ID. BI210914

>RD623-4A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210914

>RD623-4A_rbcL

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Fructus Quisqualis
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD623
Sample mark	RD623-4A
Locality	Hechuan District, Chongqing Municipality, China
Corresponding voucher specimen	RD647, RD648
Authenticated	Yes
Remarks	ITS2: 103W, 196Y

Image

Front view



Back view



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID, BI210412-2

>RD647-1B ITS2

CACATCGCGTTGCCCTCCAAGACCTTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATTATGCTGG
GGAAGCGAAGCGCCACGGCCTTCGGTGGTTCGGCACA
GCCCTTAAGGGTTGAAGCCCTGGTAGCCGCGAGA
TGCCCCAGCCTAYGACCTGATCATTAACCAATG

Remarks: observations at nucleotide position 196

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

Batch ID, BI210412-2

>RD647-1B psbA-trnH

ATAATTTCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTTGATTGAAGTGATGAAAGGAGC
AATAACGCTCTGTTCTATTAAGAGTGTTGATTATTGCT
CCTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAAATCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID, BI210412-2

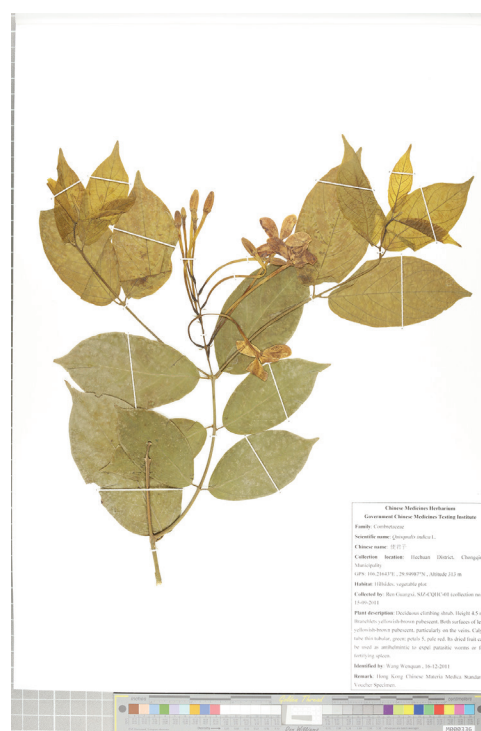
>RD647-1B rbcL

AAGTGTGGATTCAAAGCTGGTGTTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCGAGTAACCTCTCAACC
TGGAGTTCGCGCTGAGGAAGCAGGGGCTGCGATGGCT
GCTGAATCTTCTACTGGGACATGGACAACGTATGGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATAATGTCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGTTCTGTTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGTCT
ACGCTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACTTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAAATTGAACAAGATGCGCGCCCCCTATT
GGGATGTACTATTAAACCTAAATTTGGGTTTATCCGCT
AAGAAGTACGGTAGAGCAGTTTATGAAATGTCTT

Reference Detail

Description of reference material	Plant specimen
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD647
Sample mark	RD647-1B
Locality	Hechuan District, Chongqing Municipality, China
Corresponding CMM	RD623
Authenticated	Yes
Remarks	ITS2: 196Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412-2

>RD648-1B ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATTATGCTGG
GGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCACA
GCCCTAAGGGGTTGAAGCCCGTGGTAGCCGCGAGA
GTCCCCAGCCTAYGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 196

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

Batch ID. BI210412-2

>RD648-1B_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412-2

>RD648-1B_rbcL

AAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Plant specimen
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD648
Sample mark	RD648-1B
Locality	Hechuan District, Chongqing Municipality, China
Corresponding CMM	RD623
Authenticated	Yes
Remarks	ITS2: 196Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412-2

>RD649-1B ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAAYWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAAACCAATG

Remarks: observations at nucleotide position 102, 103, 196

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

Batch ID. BI210412-2

>RD649-1B_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412-2

>RD649-1B_rbcL

AAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Plant specimen
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD649
Sample mark	RD649-1B
Locality	Fengdu County, Chongqing Municipality, China
Corresponding CMM	RD621
Authenticated	Yes
Remarks	ITS2: 102Y, 103W, 196Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412-2

>RD650-1A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAATWTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTAYGACCCTGATCATTAAACCAATG

Remarks: observations at nucleotide position 103, 196

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

Batch ID. BI210412-2

>RD650-1A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412-2

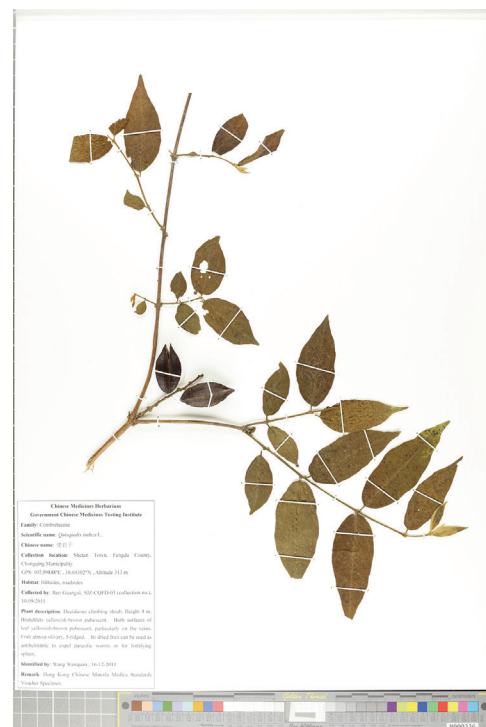
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AAGTGTTGGATTCAAAGCTGGTGTTAAAGATTATAAA
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CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTCACGGGATCCAAGTTG
AGAGAGATAAAATTGAACAAGTATGGCCGCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Plant specimen
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD650
Sample mark	RD650-1A
Locality	Fengdu County, Chongqing Municipality, China
Corresponding CMM	RD621
Authenticated	Yes
Remarks	ITS2: 103W, 196Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412-2

>RD651-1A ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAAYTTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTATGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 102

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

Batch ID. BI210412-2

>RD651-1A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGCTCCA
TCTACAAATGGATAACACTTTGGTGTTAGTGTAAGTG
TTTATGAGTTTTTGATTGAAGTGATAGTAAAGGAGC
AATAACCTCTTGTCTATTAAGAGTGTTGATTATTGCT
CCTTTACTTAGTGTTCTTTTTATAATATTATATATATA
TAATAATTATAAAAAATTCTGTAGAATATTTAGTATTT
TTATTAGAATACTAAAGTAAATAATACTACTTATTAT
AGTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAG
T

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412-2

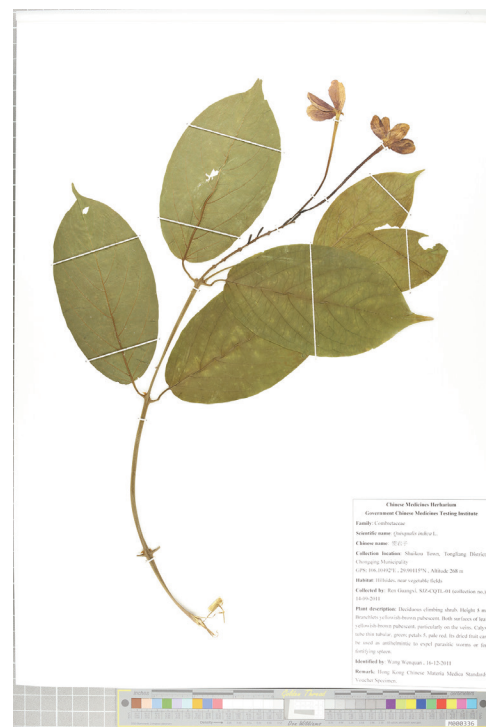
>RD651-1A_rbcL

AAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
CTGACTTATTATACTCCTGACTATCAAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
TGGAGTTCCGCCGTGAGGAAGCAGGGGCTGCAGTGGCT
GCTGAATCTTCTACTGGGACATGGACAACCTGTATGGA
CCGATGGGCTTACCAGCCTTGACCGTTATAAAGGAAG
ATGCTACCACATCGAACCTGTTGCTGGAGAAGAAAAAT
CAATATATATGCTATGTAGCTTACCCCTTAGACCTTTT
TGAAGAAGGTTCTGTTACTAATATGTTTACTTCCATTG
TGGGTAATGTATTGGGTTCAAAGCCCTGCGCGCTCT
ACGTCTGGAGGATCTGCGAATTCCTACGGCCTATATT
AAAACCTTCCAAGGCCCTCCTACGGGATCCAAGTTG
AGAGAGATAAATTGAACAAGTATGGCCGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAACTACGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Plant specimen
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD651
Sample mark	RD651-1A
Locality	Tongliang District, Chongqing Municipality, China
Corresponding CMM	RD622
Authenticated	Yes
Remarks	ITS2: 102Y

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI210412-2

>RD652-1B ITS2

CACATCGCGTTGCCCTCCAAGACCTTCCCTCGTAAC
ATTGTGGTGATGGTTTGGACGCGGAAGATGGCCTCCC
GTGACCGAGAGCCACGGATGGCCAAAAYTTATGCTG
GGGAAGCGAAGCGCCACGGCCTTCGGTGGTCGGCAC
AGCCCCAAGGGGTTGAAGCCCGTGGTAGCCGCGAG
AGTCCCCAGCCTATGACCCTGATCATTAACCAATG

Remarks: observations at nucleotide position 102

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

Batch ID. BI210412-2

>RD652-1B_psbA-trnH

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Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI210412-2

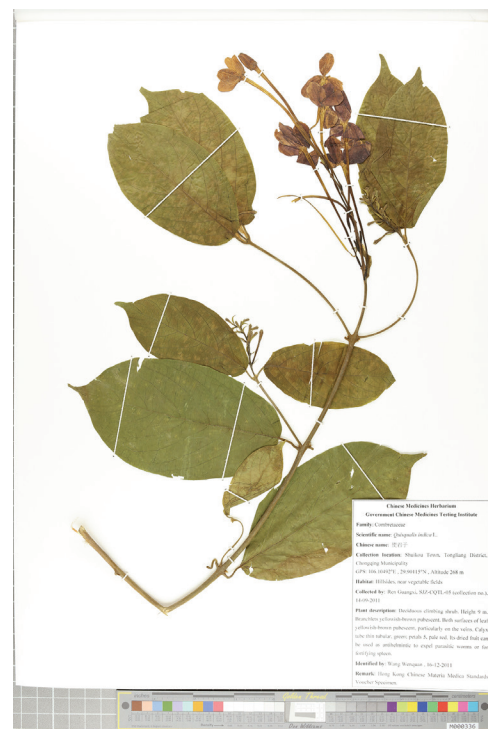
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Reference Detail

Description of reference material	Plant specimen
Scientific name	<i>Quisqualis indica</i> L.
Laboratory number	RD652
Sample mark	RD652-1B
Locality	Tongliang District, Chongqing Municipality, China
Corresponding CMM	RD622
Authenticated	Yes
Remarks	ITS2: 102Y

Image



Reference DNA sequences in FASTA format

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

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25

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Partial chloroplast ribulose biphosphate carboxylase large chain (*rbcL*) sequence of plant voucher specimen of *Quisqualis indica* and Chinese Materia Medica (CMM) Fructus Quisqualis

>RD621-1B_ *rbcL*

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