

Fact sheet of reference DNA sequences of *Lysimachia christinae* (過路黃)

Summary	Information
Scientific name	<i>Lysimachia christinae</i> Hance
Type of reference material used for data generation	● Plant voucher specimen ● Herba Lysimachiae (金錢草)
Plant voucher specimen (number / locality)	● 1 / Emeishan City, Sichuan Province, China
Chinese Materia Medica (number / locality)	● 19 / Emeishan City, Sichuan 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 218 bp ● Chloroplast <i>psbA-trnH</i> intergenic spacer (<i>psbA-trnH</i>) is 491 bp ● Chloroplast ribulose biphosphate carboxylase

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

Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID, BI220512-2

>22RD49-1A ITS2

CACAATGCGCTGCTCCCCAACCAACCCCTATGGGTGAT
 GTGTGGGGGCGGATGTTGGCTCCCCGTGCGCACTCGT
 GTGCGTCAAGCTAAAAGCGAGAACCACGACAGCC
 GTCGCGCAATTGGTGGTGTGTAACCAACCGATTCAAT
 ATGCTGCTGCGCCCTCGTCTGATTCGCTGACTCTCAG
 AGCTCGAAGCTCCATTTACTTGGTGCCCTCGATCG

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

Batch ID, BI220512-2

>22RD49-1A psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAGAAGTAAAGGGGAGCAATAACAAAACCTCT
TGTTCTATCAAGAGGGCGCTATTGGCTCCTTTCTTTT
TGTTTTTAGTTCAGTTCAGAGTAGCTCTTTATTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCCTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTTCTTTTATTGTTCAATTTTTTTCTATTGAA
ATAAAAACTTTTTTATTAATACTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTTAAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-2

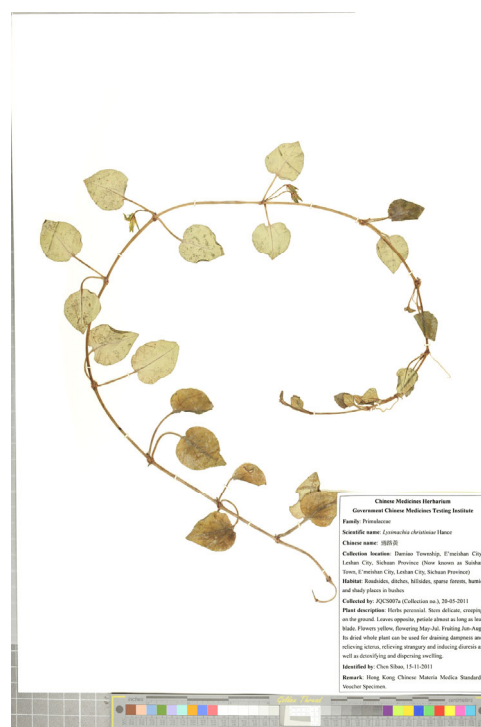
>22RD49-1A rbcL

AGGTA^{CT}CTGGATTCAAAGCTGGTGT^{TA}AAAGATTACAA^{AT}
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA^{CT}
CTGATATCTTGGCAGCATCTCCGAGTAAGCTCCTCAACC^{CT}
AGGAGTTCGCCCCGAAGAAGCAGGGGCCGAGTAGC^{CT}
TGCCGAATCTTCTAGTGTGATAGTACGACAACCGTGTGG^{CT}
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC^{CT}
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA^{CT}
ATCAATATAATTTGTTATGTAGCTTATCCTTTAGACCTT^{CT}
TTTGAAGAAGGTTCTGTGTACTAACATGTGTGACTTCTAT^{CT}
TGTGTGAATGTATTTGGGTTCAAAGGCCCTGCGCGCT^{CT}
CTACGTCCTGGAAGATCTTCGAATCCCGCCTGCGTATG^{CT}
TTAA^{AA}ACTTTCCAAGGACCGCCTCATGGTATCCAAGT^{CT}
TGAAAGAGATAAAATGAATAAATATGGTCGTCCACTG^{CT}
TTGGGATGTACTATTA^{AA}ACCTAAATGGGGTTTATCCG^{CT}
CTAA^{AA}AACTACGGTAGGGCTGTTATGAATGTCTT

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	22RD49
Sample mark	22RD49-1A
Locality	Emeishan City, Sichuan Province, China
Corresponding CMM specimen	21RD73
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220512-3

>21RD73-1A ITS2

CACAAAYGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCGACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTRACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

Remarks: observation at nucleotide position 6, 176

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

Batch ID. BI220512-3

>21RD73-1A_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATCTTATGGGA
AAAAAGAAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-3

>21RD73-1A_rbcL

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGCGAGCATTCCGAGTAACCTCTCAACC
AGGAGTTCCGCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTGTTATGTAGCTTATCCTTTAGACCTT
TTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba Lysimachiae
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-1A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y, 176R

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. BI220512-3

>21RD73-2A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220512-3

>21RD73-2A *psbA-trnH*

ATAACTTCCCCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCTGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAACTTTTTATTAAATCTTAAATATTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-3

>21RD73-2A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCAACC
AGGAGTTCCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-2A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
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. BI220512-3

>21RD73-3A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220512-3

>21RD73-3A *psbA-trnH*

ATAACTTCCCCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAAACCTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAACTTTTTATTAAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-3

>21RD73-3A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCAACC
AGGAGTTCCGCCCCAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-3A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
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. BI220512-3

>21RD73-4B ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTTCATT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220512-3

>21RD73-4B_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAACTTTTTATTAAATCTTAAATATTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-3

>21RD73-4B_rbcL

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
AGGAGTTCCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba Lysimachiae
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-4B
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
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. BI220512-3

>21RD73-5A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTTCATT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220512-3

>21RD73-5A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAAACCTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTTCTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCCTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAACTTTTTATTAAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-3

>21RD73-5A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCACAACC
AGGAGTTCCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-5A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
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. BI220512-3

>21RD73-6A ITS2

CACAAAYGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCGACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAAACCGATTTCATT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

Remarks: observation at nucleotide position 6

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

Batch ID. BI220512-3

>21RD73-6A_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-3

>21RD73-6A_rbcL

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC
AGGAGTTCCGCCCAGAAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTGTTATGTAGCTTATCCTTTAGACCTT
TTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba Lysimachiae
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-6A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y

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. BI220512-3

>21RD73-7A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220512-3

>21RD73-7A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCCTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAACTTTTTTATTAAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220512-3

>21RD73-7A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCAACC
AGGAGTTCCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-7A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
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. BI220513

>21RD73-11A ITS2

CACAAAYGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCAGACGACGCC
GTCGCGGCAATTGGTGGTTGTAAAAAACCGATTTCATT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

Remarks: observation at nucleotide position 6

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

Batch ID. BI220513

>21RD73-11A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAAACCTC
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATCTTATGGGA
AAAAAGAAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513

>21RD73-11A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGCGAGCATTCCGAGTAACCTCTCAACC
AGGAGTTCCGCCCGAAGAAGCAGGGGCCGCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-11A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y

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Front view



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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513

>21RD73-12A ITS2

CACAAAYGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCAGACGACGCC
GTCGCGGCAATTGGTGGTTGTAAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

Remarks: observation at nucleotide position 6

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

Batch ID. BI220513

>21RD73-12A_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATCTTATGGGA
AAAAAGAAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513

>21RD73-12A_rbcL

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC
AGGAGTTCCGCCCAGAAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTGTTATGTAGCTTATCCTTTAGACCTT
TTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-12A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y

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. BI220513

>21RD73-13A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220513

>21RD73-13A_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAGTAAGGGGAGCAATAACAAAACCTC
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCTGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAACTTTTTATTAAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513

>21RD73-13A_rbcL

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCAACC
AGGAGTTCCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba Lysimachiae
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-13A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	-

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513

>21RD73-14A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220513

>21RD73-14A_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAGTAAGGGGAGCAATAACAAAACCTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTTT
TTGTTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCTGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513

>21RD73-14A_rbcL

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCAACC
AGGAGTTCCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba Lysimachiae
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-14A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	-

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513

>21RD73-15A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220513

>21RD73-15A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAAACCTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTTCTTTTT
TTGTTTTTAGTTCAGTTCAGAGTAGTCTTTTATTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513

>21RD73-15A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
AGGAGTTCCGCCCCAAGAAGCAGGGGCCGCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-15A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	-

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513

>21RD73-16A ITS2

CACAAAYGCGTCGCTCCCCAACCACCCCTATGGGTGAT
GTGTGGGGGCGGATGTTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACGACGCC
GTCGCGGCAATTGGTGGTTGTAAAAAACCGATTTCATT
ATGTCGTGTGCGCCTCGTCTCAATCGGTRACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

Remarks: observation at nucleotide position 6, 176

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

Batch ID. BI220513

>21RD73-16A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTT
TTGTTTTTAGTTCAGTTCAGAGTAGTCTTTATTTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATCTTATGGGA
AAAAAGAAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513

>21RD73-16A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC
AGGAGTTCCGCCCGAAGAAGCAGGGGCCGCGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTGTTATGTAGCTTATCCTTTAGACCTT
TTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-16A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y, 176R

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513-2

>21RD73-18A ITS2

CACAAAYGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTTCATT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

Remarks: observation at nucleotide position 6

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

Batch ID. BI220513-2

>21RD73-18A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATCTTATGGGA
AAAAAGAAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513-2

>21RD73-18A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC
AGGAGTTCCGCCCGAAGAAGCAGGGGCCGCGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-18A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513-2

>21RD73-19A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220513-2

>21RD73-19A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAAACCTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTTCTTTT
TTGTTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTATTAAATCTTAAATATTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513-2

>21RD73-19A *rbcL*

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCAACC
AGGAGTTCCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCGAATCCCGCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-19A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	-

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513-2

>21RD73-20A ITS2

CACAAAYGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTTGGCTCCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTRACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

Remarks: observation at nucleotide position 6, 176

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

Batch ID. BI220513-2

>21RD73-20A_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTTATCT
ATACTTTTTTCGTTCTAAGAATCTTTATCTTATGGGA
AAAAAGAAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCCTTTTATTCTGTATTAATTTGAAATTTATA
TTATATGTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAAACTTTTTTATTAATCTTAAATATTTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513-2

>21RD73-20A_rbcL

AGGTACTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGAATTATTATACTCCTGAGTATGCAACCAAGGATA
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC
AGGAGTTCGCCCCGAAGAAGCAGGGGCCGAGTAGC
TGCCGAATCTTCTACTGGTACATGGACAACCGTGTGG
ACCGATGGACTTACTAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATCGAGCCTGTTGCTGGAGAAGAAA
ATCAATATATTGTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTGACTTCTAT
TGTTGGTAATGTATTTGGGTTCAAAGCCCTGCGCGCT
CTACGTCTGGAAGATCTTCAATCCCGCCTGCGTATG
TAAAACTTTCCAAGGACCGCCTCATGGTATCCAAGT
TGAAAGAGATAAATTGAATAAATATGGTCGTCCACTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAAACTACGGTAGGGCTGTTTATGAATGTCTT

Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-20A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y, 176R

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Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220513-2

>21RD73-21A ITS2

CACAATGCGTCGCTCCCCAACCCCTATGGGTGAT
GTGTGGGGGCGGATGTGGCTCCCGTGCGCACTCGT
GTGCGGTCAGCCTAAAAGCGAGAACCACGACAGCC
GTCGCGGCAATTGGTGGTTGTAAAAACCGATTCAAT
ATGTCGTGTGCGCCTCGTCTCAATCGGTGACTCTCAG
ACCCTGAAGCTCCATTTACTTGGTGCCTCGATCG

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

Batch ID. BI220513-2

>21RD73-21A_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCGATTGAAGCTCC
ATCTATAAATGGATAAGACTTTGGTCTTGGTGTATAT
GAGTTTTTGAAAGTAAGGGGAGCAATAACAAACTCT
TGTTCTATCAAGAGGGCGTTATTGCTCCTTTCTTTTT
TTGTTTTAGTTCAGTTCAGAGTAGTCTTTATTATCT
ATACTTTTTCTGTTCTAAGAATCTTTATTCTTATGGGA
AAAAAGAAAAGTGGGCTATGTGTTAGTTCATGATTGA
GTATTGCCTTTTTATTCTGTATTAAATTGAAATTATA
TTATATGTTCTTTTATTGTTCAATTTTTTCTATTGAA
ATAAAAACTTTTTATTAAATCTTAAATATTCTTAA
GATATGAAATAAATAATGATGGCTGGTTGAAATAGA
ATCTTTCTGTTTTATCTCTTTTGTAATTAAGTAGTG
GAGTAAGGGGCGGATGTAGCCAAGTGGATTAAGGC
AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513-2

>21RD73-21A_rbcL

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Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-21A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
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. BI220513-2

>21RD73-22A ITS2

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

Batch ID. BI220513-2

>21RD73-22A_psbA-trnH

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Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513-2

>21RD73-22A_rbcL

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Reference Detail

Description of reference material	Specimen of Herba Lysimachiae
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-22A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
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. BI220513-2

>21RD73-23A ITS2

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Remarks: observation at nucleotide position 6

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

Batch ID. BI220513-2

>21RD73-23A *psbA-trnH*

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AGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220513-2

>21RD73-23A *rbcL*

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Reference Detail

Description of reference material	Specimen of Herba <i>Lysimachiae</i>
Scientific name	<i>Lysimachia christinae</i> Hance
Laboratory number	21RD73
Sample mark	21RD73-23A
Locality	Emeishan City, Sichuan Province, China
Corresponding plant voucher specimen	22RD49
Authenticated	Yes
Remarks	ITS2: 6Y

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 *Lysimachia christinae* and Chinese Materia Medica (CMM) Herba Lysimachiae

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>21RD73-19A ITS2
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Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*) sequence of plant voucher specimen of *Lysimachia christinae* and Chinese Materia Medica (CMM) Herba Lysimachiae

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>21RD73-15A psbA-trnH

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