

Fact sheet of reference DNA sequences of *Potentilla chinensis* (委陵菜)

Summary	Information
Scientific name	<i>Potentilla chinensis</i> Ser.
Type of reference material used for data generation	● Herba Potentillae Chinensis (委陵菜) ● Plant voucher specimen
Herba Potentillae Chinensis (委陵菜) (number of specimens / locality)	● 8 / Shimen County, Hunan Province, China ● 10 / Qujing City, Yunnan Province, China
Plant voucher specimen (number of specimens / locality)	● 2 / Qujing City, Yunnan 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 (Minor modification for generation of ITS2)

	required, see Appendix)
Length of DNA barcode	● Nuclear internal transcribed spacer 2 (ITS2) is 210 bp ● Chloroplast <i>psbA-trnH</i> intergenic spacer (<i>psbA-trnH</i>) is 395-434 bp ● Chloroplast ribulose biphosphate carboxylase large chain (<i>rbcL</i>) is 553 bp

Appendix**Modified PCR cycling condition for amplification of ITS2**

Temperature	Time	No. of Cycles
94°C	5 min	1
94°C	30 sec	35
56°C	30 sec	
72°C	45 sec	
72°C	10 min	1
4°C	∞	--

Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI201027-3

>RD579-1B ITS2

CACGTCGTTGCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCCTCCCGTGTGCTCCGCCGCGC
GGTTGGCATAAATAACGAGTCATCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGCGCGCGTCGCTCCTCGGCTCTCCGATCTAATGC
GCGTCGGTTCGCCGCGCTTTCAACG

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

Batch ID. BI201027-3

>RD579-1B *psbA-trnH*

TAGACCTAGCTGCTGTTGAAGTTCCGTCTATCAATGG
ATAAGACTTCCATCTATCGATGGATAATATTTGGTCT
TAGTATATATGAGTTTCGTGACAGTTTGAAGTAAAG
GAGCAATACTAAATCTCTTGTATATCAAGAGATTG
GTGTTGCTCCTTACTATTTACTATAATACTAATTA
CTATATACTAAAAAATAGTAATAAAGATGAAT
ATTACGCTAATTTAAATTAATTAATATTTAGTACT
ATTTTTTTTATTAATAAATGAAAAATAAAAGGTTTC
ATTTATGTTGTATACTTTTACAAGTAATGATAAATG
GTGGAAATATTTGGAATTTCTATTTTATTTAATTTT
TGTAATTAGAGTACAAGGGG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI201027-3

>RD579-1B *rbcL*

AAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTGAGTAACCTCCTCAACC
TGGAGTTCCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCGGAGGATTTACGAATCCCTACTGCTTATGTT
AAAACCTTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD579
Sample mark	RD579-1B
Locality	Qujing City, Yunnan Province, China
Corresponding CMM specimen	RD480
Authenticated	Yes
Remarks	-

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI201027-3

>RD580-1A ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGGGACGGATGATGGCCCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACRAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGC GMGTCGTCCCKSGGCTYTTCCRATCTRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 91, 96, 152, 156, 164, 165, 170, 175, 180, 191, 196

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

Batch ID. BI201027-3

>RD580-1A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTGGTGTGTCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAATAGTAATA
AAGATGAATATTACGCTAATTTAAATTAATAATA
TTTTAGTACTATTTTATTAATAAATGAAAATAA
AAAGGTTTTCATTTATGTTGTATACTTTTACAAGTA
ATGATAAATGGTGGAAATATTGGAATTTCTATTTTA
TTAATTTTGTGAATTAGAGTACAAGGGCGCGATGT
AGCCAAGTGATCAAGGCAGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI201027-3

>RD580-1A_rbcL

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTACTCCGGAGTATGAAACCAAGATA
CTGATATATTGGCAGCATTTTCGAGTAACCTCAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTGGGTTCAAGGCCCTTGCCTGCTC
TACGTCTGGAGGATTACGAATCCCTACTGCTTATGTT
AAAACCTTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD580
Sample mark	RD580-1A
Locality	Qujing City, Yunnan Province, China
Corresponding CMM specimen	RD480
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 91R, 96M, 152Y, 156M, 164K, 165S, 170Y, 175R, 180R, 191R, 196Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI201027-2

>RD479-1A ITS2

CACGTCGTTGCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGTGCTCCGCCGCGC
GGTTGGCATAAATAACGAGTCATCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGCGCGCGTCGTCCTCGGCTCTCCGATCTAATGC
CGCTCGGTTCCGCCGCGCTTTCAACG

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

Batch ID. BI201027-2

>RD479-1A *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTTGGTGTGCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAATAGTAAT
AAAGATGAATATTACGCTAATTTAAATTAATTAAT
ATTTAGTACTATTTTATTAATAAATGAAAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTACAAGT
AATGATAAATGGTGGAAATTTGGAATTTCTATTTT
ATTTAATTTTGTAAATAGAGTACAAGGGCGGATG
TAGCCAA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI201027-2

>RD479-1A *rbcL*

AAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTTCGAGTAACCTCCTCAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTTGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTCGGTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCCTTGCCTGCTC
TACGTCTGGAGGATTACGAATCCCTACTGCTTATGTT
AAAACTTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-1A
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI201027-2

>RD479-2A ITS2

CACGTCGTTGCCCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCCTCCCGTGTGCTCCGCCGCGC
GGTTGGCATAAATAACRAGTCATCGGCGGCCAACGCG
GCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGTC
GCGCGCGMGTCGTCCTSGGCTYTCCRATCTAATGCG
CGTCGRITCGCCGGCGCTTCAACG

Remarks: observations at nucleotide position 91, 156, 165, 170, 175, 191

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

Batch ID. BI201027-2

>RD479-2A *psbA-trnH*

TAGACCTAGCTGCTGTTGAAGTTCCGTCTATCAATGG
ATAAGACTTCCATCTATCGATGGATAATATTTTGGTCT
TAGTATATATGAGTTTCGTGACAGTTTGAAGTAAAG
GAGCAATACTAAATCTCTTGTATATCAAGAGATTG
GTGTGCTCCTTTACTATTTTACTATAATACTAATT
CTATATACTAAAAAATAGTAATAAAGATGAAT
ATTACGCTAATTAAAAATTAATATTTTAGTACT
ATTTTTTTTATTAATAAATGAAAATAAAAGGTTTC
ATTTATGTTGTATACTTTTTTACAAGTAATGATAAATG
GTGGAAATATTTGGAATTTCTATTTTATTTAATTTT
TGTAATTAGAGTACAAGGGGCGGATGTAGCCAA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI201027-2

>RD479-2A *rbcL*

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTTCGAGTAACTCCTCAACC
TGGAGTTCCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGAGAGAAGAAAA
TCAATTTATGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAAACCTTCCAAGGCCCGCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-2A
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 91R, 156M, 165S, 170Y, 175R, 191R

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. BI201027-2

>RD479-3A ITS2

CACGTCGTTGCCCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCCTCCCGTGTGCTCCGCCGCGC
GGTTGGCATAAATAACRAGTCATCGGCGGCCAACGCG
GCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGTC
GCGCGCGCGTCGTCCTCGGCTYTTCCGATCTAATGCG
CGTCGGTTCGCCGCGCTTTCAACG

Remarks: observations at nucleotide position 91, 170

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

Batch ID. BI201027-2

>RD479-3A_psbA-trnH

TGTTGAAGTCCGTCTATCAATGGATAAGACTTCCAT
CTATCGATGGATAATATTTTGGTCTTAGTATATATGAG
TTCGTGACAGTTTGAAGTAAAGGAGCAATACTAAA
TCTCTTGTATATCAAGAGATTGGTGTGCTCCTTA
CTATTTTACTATAATACTAATTTACTATATACTAAAA
AAAAATAGTAATAAAAGATGAATATTACGCTAATTTAA
AATTAATAATATTTTATTACTATTTTATTTTATTAA
AAAATGAAAATAAAAAGGTTTCATTTATGTTGTATA
CTTTTTACAAGTAATGATAAATGGTGGAATATTTG
GAATTTCTATTTTATTTAATTTTGTAAATTAGAGTA
CAAGGGGCGGATGTAGCCAA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI201027-2

>RD479-3A_rbcL

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTCGAGTAACTCCTCAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTT
TTGAAGAGGGTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTACGAATCCCTACTGCTTATGTT
AAAACCTTCCAAGGCCCGCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-3A
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 91R, 170Y

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. BI220112

>RD479-4A ITS2

CACGTCGTTGCCCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCCTCCCGTGTGCTCCGCCGCGC
GGTTGGCATAAATAACRAGTCATCGGCGGCCAACGCC
GCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGTC
GCGCGCGMGTCTGTCCTSGGCTYTTCCGATCTAATGCG
CGTCGGTTCGCCGCGCTTTCAACG

Remarks: observations at nucleotide position 91, 156, 165, 170

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

Batch ID. BI220112

>RD479-4A *psbA-trnH*

TAGACCTAGCTGCTGTTGAAGTTCCGTCTATCAATGG
ATAAGACTTCCATCTATCGATGGATAATATTTTGGTCT
TAGTATATATGAGTTTCGTGACAGTTTTGAAAGTAAAG
GAGCAATACTAAATCTCTTGTATATCAAGAGATTG
GTGTTGCTCCTTACTATTTTACTATAATACTAATTTA
CTATATACTAAAAAAGTAATGAATGAATGAATGAAT
ATTACGCTAATTTAAATTAATTAATATTTTAGTACT
ATTTTTTTTTATTAATAAATGAAAAATAAAGGTTTTT
ATTTATGTTGTATACTTTTTTACAAGTAATGATAAATG
GTGGAAATATTTGGAATTTCTATTTTATTTAATTTTT
TGTAATTAGAGTACAAGGGGCGGATGTAGCCAAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112

>RD479-4A *rbcL*

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTCGAGTAACCTCTCAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTACGAATCCCTACTGCTTATGTT
AAAACCTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-4A
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 91R, 156M, 165S, 170Y

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. BI220112

>RD479-5A ITS2

CACGTCGTTGCCCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCCTCCCGTGTGCTCCGCCGCGG
GGTTGGCATAAATAACGAGTCATCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTSAAACCTCGGTGTCCTGT
CGCGCGCGCGTCGCTCCTCGGCTCTCCGATTAATGC
GCGTCGGTTCGCCGCGCCTTTCAACG

Remarks: observations at nucleotide position 130

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

Batch ID. BI220112

>RD479-5A_psbA-trnH

TGCTGTTGAAGTCCGTCTATCAATGGATAAGACTTC
CATCTATCGATGGATAATATTTTGGTCTTAGTATATAT
GAGTTCGTGACAGTTTTGAAAGTAAAGGAGCAATACT
AAATCTCTTGTTATATCAAGAGATTTGGTGTGTCTCCT
TTACTATTTACTATAATACTAATTTACTATATACTAA
AAAAAAAAAATAGTAATAAAAGATGAATATTACGCTAA
TTTAAATTAATTAATATTTTAGTACTATTTTTTTTTTT
ATTAATAAATGAAAATAAAAAAGGTTTTTCATTTATGTT
GTATACTTTTTTACAAGTAATGATAAATGGTGGAAT
ATTTGGAATTTCTATTTTATTTAATTTTTTGTAAATTG
AGTACAAGGGGCGGATGTA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112

>RD479-5A_rbcL

AAGTGTTGGATTCAAAGCTGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTCGAGTAACCTCCTCAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTACGAATCCCTACTGCTTATGTT
AAAACCTTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-5A
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 130S

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. BI220112

>RD479-6B ITS2

CACGTCGTTGCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGTGCTCCGCCGCGC
GTTTGGCATAAATAACGAGTCATCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGCGCGCGTCGTCCTCGGCTCTCCGATCTAATGC
CGCTCGGTTCCGCCGCGCTTTCAACG

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

Batch ID. BI220112

>RD479-6B *psbA-trnH*

TAGACCTAGCTGCTGTTGAAGTTCCGTCTATCAATGG
ATAAGACTTCCATCTATCGATGGATAATATTTTGGTCT
TAGTATATATGAGTTCGTGACAGTTTGAAGTAAAG
GAGCAATACTAAATCTCTTGTATATCAAGAGATTG
GTGTTGCTCCTTACTATTTACTATAATACTAATTA
CTATATACTAAAAAATAGTAATAAAGATGAAT
ATTACGCTAATTTAAATTAATTAATATTTTAGTACT
ATTTTTTTTATTAATAAATGAAAAATAAAAGGTTTC
ATTTATGTTGTATACTTTTTTACAAGTAATGATAAATG
GTGGAAATATTTGGAATTTCTATTTTATTTAATTTT
TGTAATTAGAGTACAAGGGGCGGATGTA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112

>RD479-6B *rbcL*

AAAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTGAGTAACCTCCTCAACC
TGGAGTTCCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACCTGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTGGGTTCAAGGCCCTGCGTGCTC
TACGCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAAACCTTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-6B
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	-

Image

Front view



Back view



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI220112

>RD479-7B ITS2

CACGTCGTTGCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGTCTCCGCCGCGC
GGTTGGCATAAATAACGAGTCATCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGCGCGCGTCGTCCTSGGCTYTCCGATCTAATGC
GCGTCGGTTCGCCGCGCTTTCAACG

Remarks: observations at nucleotide position 165, 170

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

Batch ID. BI220112

>RD479-7B_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTTGGTGTGCTCCTTACTATTTTACTATA
ATACTAATTTACTATATATACTAAAAAATAAGTAAT
AAAGATGAATATTACGCTAATTTAAAAATTAATTAAT
ATTTTAGTACTATTTTTTTTATTAATAAATGAAAATA
AAAAGGTTTTTCATTATGTTGATACCTTTTTTACAAGT
AATGATAAATGGTGGAAATATTTGGAATTTTCGATTTT
TATTTAATTTTTTGTAAATAGAGTACAAGGGGCGGAT
GTAGCCAAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112

>RD479-7B_rbcL

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTCGAGTAACTCCTCAACC
TGGAGTTCCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAAACCTTTCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-7B
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 165S, 170Y

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. BI220112

>RD479-8B ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGAGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACRAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGCMMGTGTCGTCCKSGGCTYTTCCRATCTRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 91, 96, 152, 156, 164, 165, 170, 175, 180, 191, 196

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

Batch ID. BI220112

>RD479-8B *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTGGTGTGCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAAAAAATAGTAAT
AAAGATGAATATTACGCTAATTTAAAAATTAATTAAT
ATTTTAGTACTATTTTTTTTTTATTAATAAATGAAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTTTACAAGT
AATGATAAATGGTGGAATATTTGGAATTTCTATTTTT
ATTTAATTTTTGTAAATAGAGTACAAGGGCGGATG
TAGCCAAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112

>RD479-8B *rbcL*

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTGAGTAACCTCCTCAACC
TGGAGTTCGCCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTGCGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAACTTTCCAAGGCCCGCCTCACGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD479
Sample mark	RD479-8B
Locality	Shimen County, Hunan Province, China
Corresponding plant voucher specimen	-
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 91R, 96M, 152Y, 156M, 164K, 165S, 170Y, 175R, 180R, 191R, 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. BI201027-2

>RD480-1A ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGGGACGGATGATGGCCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACRAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGC GMGTCGTCCCKSGGCTYTTCRATCTRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 91, 96, 152, 156, 164, 165, 170, 175, 180, 191, 196

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

Batch ID. BI201027-2

>RD480-1A *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTTGGTGTGCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAATAAGTAAT
AAAGATGAATATTACGCTAATTTAAATTAATTAAT
ATTTTAGTACTATTTTTTTTATTAATAAATGAAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTTTACAAGT
AATGATAAATGGTGAAATATTTGGAATTTCTATTTT
ATTTAATTTTGTAAATTA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI201027-2

>RD480-1A *rbcL*

AAGTGTTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTCGAGTAACTCCTCAACC
TGGAGTTCCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGAGAGAAGAAAA
TCAATTTATGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAAACCTTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-1A
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 91R, 96M, 152Y, 156M, 164K, 165S, 170Y, 175R, 180R, 191R, 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. BI201027-2

>RD480-2B ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGAGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACRAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGCMMGTCTGTCCKSGGCTYTTCRATCYRATGC
GCGTCGRITTCGYCGGCGCTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 91, 96, 152, 156, 164, 165, 170, 175, 179, 180, 191, 196

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

Batch ID. BI201027-2

>RD480-2B *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTGGTGTGTGCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAATAGTAAT
AAAGATGAATATTACGCTAATTTAAATTAATTAAT
ATTTTAGTACTATTTTTTTTATTAATAAATGAAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTTTACAAGT
AATGATAAATGGTGGAAATATTTGGAATTTCTATTTT
ATTTAATTTTGTAAATAGAGTACAAGGGCGGATG
TAGCCAA

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI201027-2

>RD480-2B *rbcL*

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTGAGTAACCTCAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAACTTTCCAAGGCCCGCCTCACGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-2B
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 91R, 96M, 152Y, 156M, 164K, 165S, 170Y, 175R, 179Y, 180R, 191R, 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. BI220112-2

>RD480-4A ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGCGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACRAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGCGCGMGTCGTCCSGGCTYTTCCGATCTRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 91, 96, 156, 164, 165, 170, 180, 191, 196

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

Batch ID. BI220112-2

>RD480-4A psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTGGTGTGTGCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAATAAGTAAT
AAAGATGAATATTACGCTAATTTAAATTAATTAAT
ATTTTAGTACTATTTTTTTTATTAATAAATGAAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTTTACAAGT
AATGATAAATGGTGGAAATATTTGGAATTTCTATTTTT
ATTTAATTTTTTGTAAATAGAGTACAAGGGCGGATG
TAGCCAAGTGGATCAAGGCAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112-2

>RD480-4A rbcL

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTTCGAGTAACCTCCTCAACC
TGGAGTTCGCCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTCGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAACTTTTCCAAGGCCCGCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCCGT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-4A
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 91R, 96M, 156M, 164K, 165S, 170Y, 180R, 191R, 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. BI220112-2

>RD480-5A ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACRAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGC GMGTCGTCCCKSGGCTYTTCCRATCTRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 91, 96, 152, 156, 164, 165, 170, 175, 180, 191, 196

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

Batch ID. BI220112-2

>RD480-5A *psbA-trnH*

TAGACCTAGCTGCTGTTGAAGTTCCGTCTATCAATGG
ATAAGACTTCCATCTATCGATGGATAATATTTTGGTCT
TAGTATATATGAGTTTCGTGACAGTTTTGAAAGTAAAG
GAGCAATACTAAATCTCTTGTATATCAAGAGATTG
GTGTTGCTCCTTTACTATTTTACTATAATACTAATT
CTATATACTAAAAAATAAGTAATAAAGATGAAT
ATTACGCTAATTTAAATTAATTAATATTTTAGTACT
ATTTTTTTTATTAATAAATGAAAAATAAAGGTTTC
ATTTATGTTGTATACTTTTTTACAAGTAATGATAAATG
GTGGAAATATTTGGAATTTCTATTTTATTTAATTTT
TGTAATTAGAGTACAAGGGGCGGATGTAGCCAAGTG
GATCAAGGCAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112-2

>RD480-5A *rbcL*

AAGTGTTGGATTCAAAGCTGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTTCGAGTAACCTCAACC
TGGAGTTCCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTCGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTACGAATCCCTACTGCTTATGTT
AAACTTTCCAAGGCCCGCCTCACGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-5A
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 91R, 96M, 152Y, 156M, 164K, 165S, 170Y, 175R, 180R, 191R, 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. BI220112-2

>RD480-7A ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACAAGTCMTCCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGC GMGTCTGTCCKGGRCTTTTCMATCTRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 96,
152, 156, 164, 167, 175, 180, 191, 196

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

Batch ID. BI220112-2

>RD480-7A psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTTGTATAT
CAAGAGATTTGGTGTGCTCCTTACTATTACTATA
ATACTAATTTACTATATACTAAAAAATAAGTAAT
AAAGATGAATATTACGCTAATTTAAATTAATTAAT
ATTTTAGTACTATTTTTTTTATTAAAAAATGAAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTTTACAAGT
AATGATAAATGGTGGAAATATTTGGAATTTCTATTTTT
ATTTAATTTTTTGTAAATAGAGTACAAGGGCGGATG
TAGCCAAGTGGATCAAGGCAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112-2

>RD480-7A rbcL

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTTCAGTAACCTCCTCAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTCGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTACGAATCCCTACTGCTTATGTT
AAAACCTTTCCAAGGCCCGCCTACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-7A
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 96M, 152Y, 156M, 164K, 167R, 175M, 180R, 191R, 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. BI220112-2

>RD480-8A ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACAAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGC GMGTCGTCCCKSGGCTYTTCCAATCTRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 96,
152, 156, 164, 165, 170, 180, 191, 196

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

Batch ID. BI220112-2

>RD480-8A psbA-trnH

TAGACCTAGCTGCTGTTGAAGTTCGCTCTATCAATGG
ATAAGACTTCCATCTATCGATGGATAATATTTTGGTCT
TAGTATATATGAGTTTCGTGACAGTTTTGAAAGTAAAG
GAGCAATACTAAATCTCTTGTATATCAAGAGATTTG
GTGTTGCTCCTTACTATTTTACTATAATACTAATTAT
CTATATACTAAAAAATAAGTAATAAAGATGAAT
ATTACGCTAATTTAAATTAATTAATATTTTAGTACT
ATTTTTTTTATTAATAAATGAAAAATAAAGGTTTTC
ATTTATGTTGTATACTTTTTTACAAGTAATGATAAATG
GTGGAAATATTTGGAATTTCTATTTTATTTAATTTTT
TGTAATTAGAGTACAAGGGGCGGATGTAGCCAAGTG
GATCAAGGCAGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112-2

>RD480-8A rbcL

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTTCGAGTAACCTCACAACC
TGGAGTTCCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTCGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACAATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAACTTTTCCAAGGCCCGCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-8A
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 96M, 152Y, 156M, 164K, 165S, 170Y, 180R, 191R, 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. BI220112-2

>RD480-9A ITS2

CACGTCGTTGCCCTCCCAACCCCTTCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACRAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTAAACCTCGGTGTCCTGT
CGCGCGCGCGTCCYSGRCTYTCCSATCTRATGCG
CGTCGGTTCGYCGCGCTTTAAACG

Remarks: observations at nucleotide position 62, 69, 91, 96,
130, 164, 165, 167, 170, 175, 180, 196, 206

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

Batch ID. BI220112-2

>RD480-9A *psbA-trnH*

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTGGTGTGCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAATAAGTAAT
AAAGATGAATATTACGCTAATTTAAAAATTAATTAAT
ATTTTAGTACTATTTTTTTTATTAAAAAATGAAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTTTACAAGT
AATGATAAATGGTGGAAATATTTGGAATTTCTATTTTT
ATTTAATTTTTGTAAATAGAGTACAAGGGCGGATG
TAGCCAAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220112-2

>RD480-9A *rbcL*

AAGTGTGGATTCAAAGCTGGTGTAAAGATTATAAA
TTGACTTATTATACTCCGGAGTATGAAACCAAAGATA
CTGATATATTGGCAGCATTTGAGTAACCTCACAACC
TGGAGTTCGCCCGAGGAAGCAGGAGCAGCGGTAGC
TGCGGAATCTTCTACTGGTACATGGACAACGTATGG
ACTGACGGGCTTACCAGTCTTGATCGTTACAAAGGAC
GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
TTGAAGAGGGTTTCGGTTACTAACAATGTTTACTTCCATT
GTAGGTAATGTATTTGGGTTCAAGGCCTTGCGTGCTC
TACGTCTGGAGGATTTACGAATCCCTACTGCTTATGTT
AAACTTTTCCAAGGCCCGCCTCACGGGATCCAAGTTG
AAAGAGATAAATTGAACAAGTATGGACGCCCCCTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-9A
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 62Y, 69Y, 91R, 96M, 130Y, 164Y, 165S, 167R, 170Y, 175S, 180R, 196Y, 206Y

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. BI220211-2

>RD480-10A ITS2

CACGTCGTTGCCCTCCCAACCCCTYCGGGAGTTGGC
TGGGACGGATGATGGCTCCCGTGYGCTCCGYCGCGC
GGTTGGCATAAATAACAAGTCMTCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGCAGTCGTCCKGGGCTTTTCCAATCYRATGC
GCGTCGRITTCGYCGGCGCTTTCAACG

Remarks: observations at nucleotide position 26, 62, 69, 96,
152, 164, 179, 180, 191, 196

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

Batch ID. BI220211-2

>RD480-10A_psbA-trnH

ATAATTTCCCTCTAGACCTAGCTGCTGTTGAAGTTCCG
TCTATCAATGGATAAGACTTCCATCTATCGATGGATA
ATATTTTGGTCTTAGTATATATGAGTTCGTGACAGTTT
TGAAAGTAAAGGAGCAATACTAAATCTCTGTTATAT
CAAGAGATTGGTGTGCTCCTTACTATTTACTATA
ATACTAATTTACTATATACTAAAAAATAAGTAAT
AAAGATGAATATTACGCTAATTTAAATTAATTAAT
ATTTTAGTACTATTTTTTTTATTAATAAATGAAATA
AAAAGGTTTTTCATTATGTTGTATACCTTTTTTACAAGT
AATGATAAATGGTGGAAATATTTGGAATTTCTATTTT
ATTTAATTTTTTGTAAATAGAGTACAAGGGCGGATG
TAGCCAAGTGGATCAAGGCAG

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220211-2

>RD480-10A_rbcL

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GATGCTACGGAATTGAACCTGTTCTGGAGAAGAAAA
TCAATTTATTGCTTATGTAGCTTACCCCTTAGACCTTT
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Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-10A
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 96M, 152Y, 164K, 179Y, 180R, 191R, 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. BI220211-2

>RD480-11B ITS2

CACGTCGTTGCCCTCCCAACCCCTTCGGGAGTTGGC
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GGTTGGCATAAATAACGAGTCATCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGCGCGCGTCGTCCTCGGCTCTCCGATCAATGC
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Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*)

Batch ID. BI220211-2

>RD480-11B *psbA-trnH*

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Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220211-2

>RD480-11B *rbcL*

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TCAATTTATGCTTATGTAGCTTACCCCTTAGACCTTT
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AAAGAGATAAATTGAACAAGTATGGACGCCCTTATT
GGGATGTACTATTAAACCTAAATTGGGGTTATCCGCT
AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-11B
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
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. BI220211-2

>RD480-12B ITS2

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GGTTGGCATAAATAACAAGTCMTCCGGCGGCCAACGC
CGCGACAATCGGTGGTTGTCAAACCTCGGTGTCCTGT
CGCGYGC GMGTGCTCCKGGGCTTTTCMATCTGATGC
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Remarks: observations at nucleotide position 26, 62, 69, 96,
152, 156, 164, 175, 191, 196

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

Batch ID. BI220211-2

>RD480-12B_psbA-trnH

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Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID. BI220211-2

>RD480-12B_rbcL

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AAGAATTATGGTAGAGCAGTTTATGAATGTCTT

Reference Detail

Description of reference material	Herba Potentillae Chinensis
Scientific name	<i>Potentilla chinensis</i> Ser.
Laboratory number	RD480
Sample mark	RD480-12B
Locality	Qujing City, Yunnan Province, China
Corresponding plant voucher specimen	RD579, RD580
Authenticated	Yes
Remarks	ITS2: 26Y, 62Y, 69Y, 96M, 152Y, 156M, 164K, 175M, 191R, 196Y

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 *Potentilla chinensis* and Chinese Materia Medica (CMM) Herba Potentillae Chinensis

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>RD579-1B ITS2
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>RD479-1A ITS2
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>RD479-2A ITS2
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>RD479-3A ITS2
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>RD480-8A ITS2
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Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*) sequence of plant voucher specimen of *Potentilla chinensis* and Chinese Materia Medica (CMM) Herba Potentillae Chinensis

>RD579-1B_psbA-trnH

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>RD480-12B psbA-trnH

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Partial chloroplast ribulose biphosphate carboxylase large chain (*rbcL*) sequence of plant voucher specimen of *Potentilla chinensis* and Chinese Materia Medica (CMM) Herba Potentillae Chinensis

>RD579-1B_rbcL

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