Fact sheet of reference DNA sequences of *Euodia rutaecarpa* var. *bodinieri* (疏毛吳茱萸)

Summary	**Information**
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Type of reference material used for data generation	● Plant voucher specimen ● Fructus Evodiae (吳茱萸)
Plant voucher specimen (number / locality)	● 1 / Yuanjiang City, Hunan Province, China ● 1 / Yongshun County, Hunan Province, China ● 2 / Nanning City, Guangxi Zhuang Autonomous Region, China.
Chinese Materia Medica (number / locality)	● 4 / Yuanjiang City, Hunan Province, China ● 6 / Yongshun County, Hunan Province, China ● 6 / Nanning City, Guangxi Zhuang Autonomous Region, China.
Total number of specimen	● 20
Specimen source	● GCMTI collection ● Hong Kong Chinese Materia Medica Standards (HKCMMS) Project

Summary	**Information**
Method for data generation	● GCMTI RD-5:2020 (modified polymerase chain reaction conditions, see Appendix 1)
Length of DNA barcode	● Nuclear internal transcribed spacer 2 (ITS2) is 223 bp ● Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H) is 501 bp ● Chloroplast ribulose bisphosphate carboxylase large chain (*rbc*L) is 553 bp

Appendix 1

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

I) PCR reagent condition

PCR components	**psbAF / trnHR**
DNA template	About 30 ng
10X High Fidelity PCR Buffer (Minus Mg)	1 X
$MgSO_4$	3.0 mM
Trehalose	-
dNTPs	0.2 mM @ dNTP
Forward primer	0.1 μM
Reverse primer	0.1 μM
High Fidelity *Taq* DNA Polymerase	1.0 U per reaction
Nuclease-free water	An appropriate amount to make up to 25 μL

Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250312

>24RD147-1A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BI250312

>24RD147-1A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250312

>24RD147-1A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD147
Sample mark	24RD147-1A
Locality	Yuanjiang City, Hunan Province, China
Corresponding CMM specimen	24RD320
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250312

>24RD148-1B_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BI250312

>24RD148-1B_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250312

>24RD148-1B_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD148
Sample mark	24RD148-1B
Locality	Yongshun County, Hunan Province, China
Corresponding CMM specimen	24RD321
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250312

>24RD149-1A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BI250312

>24RD149-1A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250312

>24RD149-1A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD149
Sample mark	24RD149-1A
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding CMM specimen	24RD322
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Plant Specimen

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250312

>24RD150-1A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BI250312

>24RD150-1A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250312

>24RD150-1A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Plant voucher specimen
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD150
Sample mark	24RD150-1A
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding CMM specimen	24RD322
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250321

>24RD320-1A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BI250321

>24RD320-1A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250321

>24RD320-1A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD320
Sample mark	24RD320-1A
Locality	Yuanjiang City, Hunan Province, China
Corresponding plant voucher specimen	24RD147
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250321

>24RD320-2A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCSGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 48, 167, 179

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

Batch ID. BI250321

>24RD320-2A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250321

>24RD320-2A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD320
Sample mark	24RD320-2A
Locality	Yuanjiang City, Hunan Province, China
Corresponding plant voucher specimen	24RD147
Authenticated	Yes
Remarks	ITS2: 48S, 167Y, 179R; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722

>24RD320-4A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BIC260722

>24RD320-4A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722

>24RD320-4A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATATATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD320
Sample mark	24RD320-4A
Locality	Yuanjiang City, Hunan Province, China
Corresponding plant voucher specimen	24RD147
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722

>24RD320-5A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BIC260722

>24RD320-5A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722

>24RD320-5A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATATATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD320
Sample mark	24RD320-5A
Locality	Yuanjiang City, Hunan Province, China
Corresponding plant voucher specimen	24RD147
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250321

>24RD321-1A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCSGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 48, 167

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

Batch ID. BI250321

>24RD321-1A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250321

>24RD321-1A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD321
Sample mark	24RD321-1A
Locality	Yongshun County, Hunan Province, China
Corresponding plant voucher specimen	24RD148
Authenticated	Yes
Remarks	ITS2: 48S, 167Y; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250321

>24RD321-2A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BI250321

>24RD321-2A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250321

>24RD321-2A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 266

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD321
Sample mark	24RD321-2A
Locality	Yongshun County, Hunan Province, China
Corresponding plant voucher specimen	24RD148
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y, 266R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722

>24RD321-4A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BIC260722

>24RD321-4A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722

>24RD321-4A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATATATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD321
Sample mark	24RD321-4A
Locality	Yongshun County, Hunan Province, China
Corresponding plant voucher specimen	24RD148
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722

>24RD321-5A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BIC260722

>24RD321-5A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722

>24RD321-5A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATATATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD321
Sample mark	24RD321-5A
Locality	Yongshun County, Hunan Province, China
Corresponding plant voucher specimen	24RD148
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722

>24RD321-6A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG

Remarks: observation at nucleotide position 167

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

Batch ID. BIC260722

>24RD321-6A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722

>24RD321-6A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATATATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD321
Sample mark	24RD321-6A
Locality	Yongshun County, Hunan Province, China
Corresponding plant voucher specimen	24RD148
Authenticated	Yes
Remarks	ITS2: 167Y; rbcL: 186Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722

>24RD321-7A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BIC260722

>24RD321-7A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722

>24RD321-7A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA
TCAATATATATGTTATGTAGCTTACCCGTTAGACCTTT
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC
TAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC
TAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD321
Sample mark	24RD321-7A
Locality	Yongshun County, Hunan Province, China
Corresponding plant voucher specimen	24RD148
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250321

>24RD322-1A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167

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

Batch ID. BI250321

>24RD322-1A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250321

>24RD322-1A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAAYATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATRTATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCG
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT
CTAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 232, 266

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD322
Sample mark	24RD322-1A
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding plant voucher specimen	24RD149, 24RD150
Authenticated	Yes
Remarks	ITS2: 167Y; rbcL: 186Y, 232Y, 266R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI250321

>24RD322-2B_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179

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

Batch ID. BI250321

>24RD322-2B_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BI250321

>24RD322-2B_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAAYATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATRTATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCG
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT
CTAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 232, 266

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD322
Sample mark	24RD322-2B
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding plant voucher specimen	24RD149, 24RD150
Authenticated	Yes
Remarks	ITS2: 167Y, 179R; rbcL: 186Y, 232Y, 266R

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722-2

>24RD322-4A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGTGTCTCTGTTTCAGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG

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

Batch ID. BIC260722-2

>24RD322-4A_psbA-trnH
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722-2

>24RD322-4A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
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CGGAGTTCCACCMGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAAYATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCG
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT
CTAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 124, 186, 232

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD322
Sample mark	24RD322-4A
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding plant voucher specimen	24RD149, 24RD150
Authenticated	Yes
Remarks	rbcL: 124M, 186Y, 232Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722-2

>24RD322-5B_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167

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

Batch ID. BIC260722-2

>24RD322-5B_psbA-trnH
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AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722-2

>24RD322-5B_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
AYCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAAYATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
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CTAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 232

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD322
Sample mark	24RD322-5B
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding plant voucher specimen	24RD149, 24RD150
Authenticated	Yes
Remarks	ITS2: 167Y; rbcL: 186Y, 232Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722-2

>24RD322-6B_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT
CAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167, 179, 187

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

Batch ID. BIC260722-2

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AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT
ATCATATATTTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTTACTATTAATTTAATAGAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722-2

>24RD322-6B_rbcL
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CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACTGTGTGG
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GATGCTACAAYATTGAGCCCGTTGCTGGAGAAGAAA
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TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
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CTAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCCTG
TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 232

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD322
Sample mark	24RD322-6B
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding plant voucher specimen	24RD149, 24RD150
Authenticated	Yes
Remarks	ITS2: 167Y, 179R, 187K; rbcL: 186Y, 232Y

Image



Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC260722-2

>24RD322-7A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
Remarks: observation at nucleotide position 167

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

Batch ID. BIC260722-2

>24RD322-7A_psbA-trnH
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TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA
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CATGAATCTTCATAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT

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

Batch ID. BIC260722-2

>24RD322-7A_rbcL
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
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TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCG
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TTGGGATGTACTATTAAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 186, 232, 266

Reference Detail

Description of reference material	Specimen of Fructus Evodiae
Scientific name	*Euodia rutaecarpa* (Juss.) Benth. var. *bodinieri* (Dode) Huang
Laboratory number	24RD322
Sample mark	24RD322-7A
Locality	Nanning City, Guangxi Zhuang Autonomous Region, China.
Corresponding plant voucher specimen	24RD149, 24RD150
Authenticated	Yes
Remarks	ITS2: 167Y; rbcL: 186Y, 232Y, 266R

Image



Reference DNA sequences in FASTA format

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2) sequence of plant voucher specimen of *Euodia rutaecarpa* var. *bodinieri* and Chinese Materia Medica (CMM) Fructus Evodiae

>24RD147-1A_ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTCCC
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>24RD148-1B_ITS2
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CTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG

Chloroplast *psb*A-*trn*H intergenic spacer (*psb*A-*trn*H) sequence of plant voucher specimen of *Euodia rutaecarpa* var. *bodinieri* and Chinese Materia Medica (CMM) Fructus Evodiae

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