

**Fact sheet of reference DNA sequences of *Euodia rutaecarpa* (吳茱萸)**

| Summary                                             | Information                                                                                                                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scientific name                                     | <i>Euodia rutaecarpa</i> (Juss.) Benth.                                                                                                                                                               |
| Type of reference material used for data generation | <ul style="list-style-type: none"> <li>● Plant voucher specimen</li> <li>● Fructus Evodiae (吳茱萸)</li> </ul>                                                                                           |
| Plant voucher specimen (number / locality)          | <ul style="list-style-type: none"> <li>● 1 / Cili County, Hunan Province, China</li> <li>● 2 / Guiding County, Guizhou Province, China</li> <li>● 2 / Kunming City, Yunnan Province, China</li> </ul> |
| Chinese Materia Medica (number / locality)          | <ul style="list-style-type: none"> <li>● 5 / Cili County, Hunan Province, China</li> <li>● 5 / Guiding County, Guizhou Province, China</li> <li>● 5 / Kunming City, Yunnan Province, China</li> </ul> |
| Total number of specimen                            | <ul style="list-style-type: none"> <li>● 20</li> </ul>                                                                                                                                                |
| Specimen source                                     | <ul style="list-style-type: none"> <li>● GCMTI collection</li> <li>● Hong Kong Chinese Materia Medica Standards (HKCMMS) Project</li> </ul>                                                           |
| Method for data generation                          | <ul style="list-style-type: none"> <li>● GCMTI RD-5:2020 (modified polymerase chain reaction conditions, see Appendix 1)</li> </ul>                                                                   |
| Length of DNA barcode                               | <ul style="list-style-type: none"> <li>● Nuclear internal transcribed spacer 2 (ITS2) is 223 bp</li> </ul>                                                                                            |

| Summary | Information                                                                                                                                                                                                                 |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | <ul style="list-style-type: none"> <li>● Chloroplast <i>psbA-trnH</i> intergenic spacer (<i>psbA-trnH</i>) is 501 bp</li> <li>● Chloroplast ribulose biphosphate carboxylase large chain (<i>rbcL</i>) is 553 bp</li> </ul> |

**Appendix 1****Modified polymerase chain reaction (PCR) conditions for *psbA-trnH*****I) PCR reagent condition**

| <b>PCR components</b>                   | <b>psbAF / trnHR</b>                      |
|-----------------------------------------|-------------------------------------------|
| DNA template                            | About 30 ng                               |
| 10X High Fidelity PCR Buffer (Minus Mg) | 1 X                                       |
| MgSO <sub>4</sub>                       | 3.0 mM                                    |
| Trehalose                               | -                                         |
| dNTPs                                   | 0.2 mM @ dNTP                             |
| Forward primer                          | 0.1 µM                                    |
| Reverse primer                          | 0.1 µM                                    |
| High Fidelity <i>Taq</i> 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. BI240717

>24RD142-1A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BI240717

>24RD142-1A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCAATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240717

>24RD142-1A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTGT  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

### Reference Detail

| Description of reference material | Plant voucher specimen                  |
|-----------------------------------|-----------------------------------------|
| Scientific name                   | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                 | 24RD142                                 |
| Sample mark                       | 24RD142-1A                              |
| Locality                          | Cili County, Hunan Province, China      |
| Corresponding CMM specimen        | 24RD319                                 |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Plant Specimen

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240717

>24RD143-1A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGCG  
CTGGCGGTGCGGCGGATAATGGTCTCCCGTGCGCTC  
CCCCTCGCGGTGGCCCCAAATTCGAGTCCTYGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT  
CAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 48, 106, 167, 179, 187

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

Batch ID. BI240717

>24RD143-1A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT  
CTAATTTTAAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240717

>24RD143-1A\_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCAGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ATCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAATATTGAGCCCCTGCTGGAGAAGAAAA  
TCAATATRTATGTATGTAGCTTACCCGTTAGACCTTT  
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT  
GTGGGTAATGTATTGTTTCAAAGCCCTGCGCGCGC  
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC  
TAAAACCTTTCCAAGGCCCGCCTCACGGCATCCAAGTT  
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT  
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC  
TAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 266

### Reference Detail

| Description of reference material | Plant voucher specimen                        |
|-----------------------------------|-----------------------------------------------|
| Scientific name                   | <i>Euodia rutaecarpa</i> (Juss.) Benth.       |
| Laboratory number                 | 24RD143                                       |
| Sample mark                       | 24RD143-1A                                    |
| Locality                          | Guiding County, Guizhou Province, China       |
| Corresponding CMM specimen        | 24RD318                                       |
| Authenticated                     | Yes                                           |
| Remarks                           | ITS2: 48S, 106Y, 167Y, 179R, 187K; rbcL: 266R |

### Image



# Reference DNA Sequence

## Plant Specimen

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240717

>24RD144-1A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCCTCGCGGTGGCCCCAATTCGAGTCCTYGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT  
CAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 106, 167, 179, 187

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

Batch ID. BI240717

>24RD144-1A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTTCTGCCCTTGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240717

>24RD144-1A *rbcL*

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCACACAGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACGTGTGG  
ATCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA  
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT  
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT  
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC  
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC  
TAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGTT  
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT  
TGGGATGTACTATTAACCTAAATTGGGGTTATCCGC  
TAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 266

### Reference Detail

| Description of reference material | Plant voucher specimen                           |
|-----------------------------------|--------------------------------------------------|
| Scientific name                   | <i>Euodia rutaecarpa</i> (Juss.) Benth.          |
| Laboratory number                 | 24RD144                                          |
| Sample mark                       | 24RD144-1A                                       |
| Locality                          | Kunming City, Yunnan Province, China             |
| Corresponding CMM specimen        | 24RD317                                          |
| Authenticated                     | Yes                                              |
| Remarks                           | ITS2: 106Y, 167Y, 179R, 187K; <i>rbcL</i> : 266R |

### Image



# Reference DNA Sequence

## Plant Specimen

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240717

>24RD145-1A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCCTCGCGGTGGCCCCAATTCGAGTCCTYGGCGA  
CCGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT  
CAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 106, 167, 179, 187

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

Batch ID. BI240717

>24RD145-1A *psbA-trnH*

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTTATTTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTTATTAATTTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTTCTGCCCTTGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240717

>24RD145-1A *rbcL*

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCACCAGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTG  
ATCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAATATTGAGCCCGTTGCTGGAGAAGAAAA  
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT  
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT  
GTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCGC  
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC  
TAAAACTTTCCAAGGCCCGCTCACGGCATCCAAGTT  
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT  
TGGGATGTACTATTAACCTAAATTGGGGTTATCCGC  
TAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 266

### Reference Detail

| Description of reference material | Plant voucher specimen                           |
|-----------------------------------|--------------------------------------------------|
| Scientific name                   | <i>Euodia rutaecarpa</i> (Juss.) Benth.          |
| Laboratory number                 | 24RD145                                          |
| Sample mark                       | 24RD145-1A                                       |
| Locality                          | Guiding County, Guizhou Province, China          |
| Corresponding CMM specimen        | 24RD318                                          |
| Authenticated                     | Yes                                              |
| Remarks                           | ITS2: 106Y, 167Y, 179R, 187K; <i>rbcL</i> : 266R |

### Image



# Reference DNA Sequence

## Plant Specimen

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240717

>24RD146-1A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCSGGCGGATAATGGTCTCCCGTGCGCTC  
CCCCTCGCGGTGGCCCCAAATTCGAGTCCTYGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACT  
CAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 48, 106, 167, 179, 187

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

Batch ID. BI240717

>24RD146-1A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTTATTAATTATATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240717

>24RD146-1A\_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCACAGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ATCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAATATTGAGCCCCTGCTGGAGAAGAAAA  
TCAATATRTATGTTATGTAGCTTACCCGTTAGACCTTT  
TTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATT  
GTGGGTAATGTATTGTTTCAAAGCCCTGCGCGCGC  
TACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATTC  
TAAACTTTCCAAGGCCCGCCTCACGGCATCCAAGTT  
GAGAGAGATAAATTGAATAAGTATGGACGTCCCCTGT  
TGGGATGTACTATTAAACCTAAATTGGGGTTATCCGC  
TAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

Remarks: observation at nucleotide position 266

## Reference Detail

| Description of reference material | Plant voucher specimen                        |
|-----------------------------------|-----------------------------------------------|
| Scientific name                   | <i>Euodia rutaecarpa</i> (Juss.) Benth.       |
| Laboratory number                 | 24RD146                                       |
| Sample mark                       | 24RD146-1A                                    |
| Locality                          | Kunming City, Yunnan Province, China          |
| Corresponding CMM specimen        | 24RD317                                       |
| Authenticated                     | Yes                                           |
| Remarks                           | ITS2: 48S, 106Y, 167Y, 179R, 187K; rbcL: 266R |

## Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240725

>24RD317-1A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BI240725

>24RD317-1A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240725

>24RD317-1A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD317                                 |
| Sample mark                          | 24RD317-1A                              |
| Locality                             | Kunming City, Yunnan Province, China    |
| Corresponding plant voucher specimen | 24RD144, 24RD146                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD317-4A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527

>24RD317-4A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD317-4A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD317                                 |
| Sample mark                          | 24RD317-4A                              |
| Locality                             | Kunming City, Yunnan Province, China    |
| Corresponding plant voucher specimen | 24RD144, 24RD146                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD317-5A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527

>24RD317-5A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD317-5A\_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTTCCAAGGCCCGCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD317                                 |
| Sample mark                          | 24RD317-5A                              |
| Locality                             | Kunming City, Yunnan Province, China    |
| Corresponding plant voucher specimen | 24RD144, 24RD146                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD317-6A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGCGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 179

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

Batch ID. BIC250527

>24RD317-6A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD317-6A\_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD317                                 |
| Sample mark                          | 24RD317-6A                              |
| Locality                             | Kunming City, Yunnan Province, China    |
| Corresponding plant voucher specimen | 24RD144, 24RD146                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 179R                        |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD317-7A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGCGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 179

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

Batch ID. BIC250527

>24RD317-7A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD317-7A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCCTACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD317                                 |
| Sample mark                          | 24RD317-7A                              |
| Locality                             | Kunming City, Yunnan Province, China    |
| Corresponding plant voucher specimen | 24RD144, 24RD146                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 179R                        |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240725

>24RD318-2B ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 167

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

Batch ID. BI240725

>24RD318-2B\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240725

>24RD318-2B\_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCCTACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD318                                 |
| Sample mark                          | 24RD318-2B                              |
| Locality                             | Guiding County, Guizhou Province, China |
| Corresponding plant voucher specimen | 24RD143, 24RD145                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 167Y                              |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD318-4A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527

>24RD318-4A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAA  
AAAAGAGAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD318-4A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD318                                 |
| Sample mark                          | 24RD318-4A                              |
| Locality                             | Guiding County, Guizhou Province, China |
| Corresponding plant voucher specimen | 24RD143, 24RD145                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD318-5A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527

>24RD318-5A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD318-5A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACTTTCAAGGCCCGCCTACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD318                                 |
| Sample mark                          | 24RD318-5A                              |
| Locality                             | Guiding County, Guizhou Province, China |
| Corresponding plant voucher specimen | 24RD143, 24RD145                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD318-6B ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527

>24RD318-6B\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTATTTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAAGGTTGTAGTTTTCTGCCCTTGGATCTT  
CATGAATCTTCAATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD318-6B\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD318                                 |
| Sample mark                          | 24RD318-6B                              |
| Locality                             | Guiding County, Guizhou Province, China |
| Corresponding plant voucher specimen | 24RD143, 24RD145                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527

>24RD318-7B ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527

>24RD318-7B\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527

>24RD318-7B\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD318                                 |
| Sample mark                          | 24RD318-7B                              |
| Locality                             | Guiding County, Guizhou Province, China |
| Corresponding plant voucher specimen | 24RD143, 24RD145                        |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240725

>24RD319-1A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BI240725

>24RD319-1A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTTATTTAATTTC  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240725

>24RD319-1A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCCTACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD319                                 |
| Sample mark                          | 24RD319-1A                              |
| Locality                             | Cili County, Hunan Province, China      |
| Corresponding plant voucher specimen | 24RD142                                 |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240725

>24RD319-2A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BI240725

>24RD319-2A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240725

>24RD319-2A\_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCCGAGTAACCTCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCCTACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD319                                 |
| Sample mark                          | 24RD319-2A                              |
| Locality                             | Cili County, Hunan Province, China      |
| Corresponding plant voucher specimen | 24RD142                                 |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BI240725

>24RD319-3A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BI240725

>24RD319-3A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTT  
TAGTAGTTTTTTATTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAA  
AAAAGAGAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BI240725

>24RD319-3A\_rbcL

GAGTGTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCGAGTAACCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCTCACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGCGAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD319                                 |
| Sample mark                          | 24RD319-3A                              |
| Locality                             | Cili County, Hunan Province, China      |
| Corresponding plant voucher specimen | 24RD142                                 |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527-2

>24RD319-4B ITS2

```
CGCATCGTTGCCCCACCCCCACCCCCACCCCCGGGGGC
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC
CCCGCTCGCGGTGGCCCCAAATTCGAGTCCTTGGCGA
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT
CG
```

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527-2

>24RD319-4B\_psbA-trnH

```
ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT
TAGTAGTTTTTTATTTACATCTTTTTTATTTAATTTA
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG
AAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTT
CATGAATCTTCATAAAATAAGATAAAAAAATAATGATC
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG
TGGATCAAGGCAGT
```

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

Batch ID. BIC250527-2

>24RD319-4B\_rbcL

```
GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA
CTGATATCTTGGCAGCATTCCGAGTAACTCCTCAACC
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT
CTAAAACCTTCCAAGGCCCGCCTACGGCATCCAAGT
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG
CTAAGAATTACGGTAGGCGAGTTTATGAATGTCTA
```

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD319                                 |
| Sample mark                          | 24RD319-4B                              |
| Locality                             | Cili County, Hunan Province, China      |
| Corresponding plant voucher specimen | 24RD142                                 |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



# Reference DNA Sequence

## Chinese Materia Medica (CMM)

### DNA Information

#### Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID. BIC250527-2

>24RD319-6A ITS2

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGC  
CTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTC  
CCCGCTCGCGGTGGCCCAAATTCGAGTCCTTGGCGA  
CCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCG  
AGCTCTAGTCGCGARCCCGYGTCTCTGTTTCRGGACT  
CAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCAT  
CG

Remarks: observation at nucleotide position 162, 167, 179

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

Batch ID. BIC250527-2

>24RD319-6A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCC  
ATCTACAAATGGATAAGATTTTGATCTTTGTGTAGAC  
GAGTTTTTAAAAATAACGGATCAATACCGACCCCTTA  
AGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTTCTT  
TAGTAGTTTTTTATTTTACATCTTTTTTATTTAATTTA  
AAGTATTTTTATGCTTTTCGTTCTTTCTTTGATTTAGT  
ATCATATATTTGTATGCGCTAATACTACTAAGAAAA  
TTCTAATTTATTAATTATAAATTAGTAAATTAGAAT  
CTAATTTTTTAATTTTACTATTAATTTAATAGAAAAAG  
AAAAGAGAAAGGTTGTAGTTTCTGCCCTTGGATCTT  
CATGAATCTTCATAAAATAAGATAAAAAAATAATGATC  
AATGATTGAAATGGAGATTTTTGTAGTTCAAAATTTT  
GTAAATAACAGAATTAAGGGGCGGATGTAGCCAAG  
TGGATCAAGGCAGT

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

Batch ID. BIC250527-2

>24RD319-6A\_rbcL

GAGTGTTGGATTCAAAGCCGGTGTTAAAGATTATAAA  
TTGACTTATTATACTCCTGACTATGTAACCAAAGATA  
CTGATATCTTGGCAGCATTCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAGGAAGCGGGGGCTGCGGTAGC  
TGCAGAATCTTCTACTGGTACATGGACAACCTGTGTGG  
ACCGATGGGCTTACCAGCCTTGATCGTTACAAAGGGC  
GATGCTACAACATTGAGCCCGTTGCTGGAGAAGAAA  
ATCAATATATATGTTATGTAGCTTACCCGTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTGCGCGCT  
CTACGTCTAGAGGATCTACGAGTCCCTCCCGCGTATT  
CTAAAACCTTCCAAGGCCCGCCTACGGCATCCAAGT  
TGAGAGAGATAAATTGAATAAGTATGGACGTCCCTG  
TTGGGATGTACTATTAACCTAAATTGGGGTTATCCG  
CTAAGAATTACGGTAGGGCAGTTTATGAATGTCTA

### Reference Detail

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Description of reference material    | Specimen of Fructus Evodiae             |
| Scientific name                      | <i>Euodia rutaecarpa</i> (Juss.) Benth. |
| Laboratory number                    | 24RD319                                 |
| Sample mark                          | 24RD319-6A                              |
| Locality                             | Cili County, Hunan Province, China      |
| Corresponding plant voucher specimen | 24RD142                                 |
| Authenticated                        | Yes                                     |
| Remarks                              | ITS2: 162R, 167Y, 179R                  |

### Image



## Reference DNA sequences in FASTA format

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

```
>24RD142-1A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD143-1A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACTCAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD144-1A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACTCAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD145-1A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACTCAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD146-1A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGAGCCCGYGTCTCTGTTTCRGGACTCAKGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD317-1A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD317-4A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD317-5A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD317-6A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGCTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD317-7A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGCTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD318-2B ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGAGCCCGYGTCTCTGTTTCAGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD318-4A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD318-5A ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD318-6B ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD318-7B ITS2
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCCTCCC
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTGAAAAGCCTCTCGAGCT
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG
>24RD319-1A ITS2
```

CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTCCC  
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTAAAAAGCCTCTCGAGCT  
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG  
>24RD319-2A ITS2  
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTCCC  
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTAAAAAGCCTCTCGAGCT  
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG  
>24RD319-3A ITS2  
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTCCC  
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTAAAAAGCCTCTCGAGCT  
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG  
>24RD319-4B ITS2  
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTCCC  
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTAAAAAGCCTCTCGAGCT  
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG  
>24RD319-6A ITS2  
CGCATCGTTGCCCCACCCCCACCCCCACCCCGGGGGCCTGGCGGTGCGGGCGGATAATGGTCTCCCGTGCGCTCCC  
CGCTCGCGGTTGGCCCAAATTCGAGTCCTTGGCGACCGGAGCCGCGACAATCGGTGGTAAAAAGCCTCTCGAGCT  
CTAGTCGCGARCCCGYGTCTCTGTTTCRGGACTCAGGGACCCTGATGCTCCGCGCAAGCGGTGCTCGCATCG

Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*) sequence of plant voucher specimen of *Euodia rutaecarpa* and Chinese Materia Medica (CMM) Fructus Evodiae

>24RD142-1A\_psbA-trnH

ATAACTTCCCTCTAGACCTAGCTGCTATTGAAGCTCCATCTACAAATGGATAAGATTTTGATCTTTGTGTAGACGA  
GTTTTTAAAAATAACGGATCAATACCGACCCCTTAAGGGGGTCGGTATTGATCCGTTATTGAGTCGGTTCTTTAGT  
AGTTTTTTATTACATCTTTTTTTATTTAAATTTAAAGTATTTTATGCTTTTCGTTCTTTCTTTGATTTAGTATCATA  
TATTTTGATGCGCTAATACTACTAAGAAAATTCTAATTTTATTAATTTATAAATTAGTAAATTAGAATCTAATTTT  
TTAATTTTACTATTAATTTAATAGAAAAGAAAAGAGAAAGGTTGTAGTTTTCTGCCCTTGGATCTTCATGAATCTT  
CATAAATAAGATAAAAAAATAATGATCAATGATTGAAATGGAGATTTTTGTAGTTCAAAAATTTTGTAATAACAG  
AATTAAGGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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