

Fact sheet of reference DNA sequences of *Fritillaria cirrhosa* (川貝母)

| Summary                                                 | Information                                                                                                                                                                                                   |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scientific name                                         | <i>Fritillaria cirrhosa</i> D. Don                                                                                                                                                                            |
| Type of reference material used for data generation     | <ul style="list-style-type: none"> <li>● Plant voucher specimen</li> <li>● Dried leaf</li> </ul>                                                                                                              |
| Dried leaf (number of specimens / locality)             | <ul style="list-style-type: none"> <li>● 4 / Kangding City, Sichuan Province, China</li> <li>● 5 / Nangqian County, Qinghai Province, China</li> <li>● 5 / Xinlong County, Sichuan Province, China</li> </ul> |
| Plant voucher specimen (number of specimens / locality) | <ul style="list-style-type: none"> <li>● 2 / Kangding City, Sichuan Province, China</li> <li>● 2 / Nangqian County, Qinghai Province, China</li> <li>● 2 / Xinlong County, Sichuan Province, China</li> </ul> |
| Total number of specimen                                | ● 20                                                                                                                                                                                                          |
| Specimen source                                         | ● GCMTI collection                                                                                                                                                                                            |

|                                   |                                                                                                                                                                                                                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Method for data generation</b> | <ul style="list-style-type: none"> <li>● GCMTI RD-5:2020</li> </ul>                                                                                                                                                                                                                           |
| <b>Length of DNA barcode</b>      | <ul style="list-style-type: none"> <li>● Nuclear internal transcribed spacer 2 (ITS2) is 238 bp</li> <li>● Chloroplast <i>psbA-trnH</i> intergenic spacer (<i>psbA-trnH</i>) is 330 bp</li> <li>● Chloroplast ribulose biphosphate carboxylase large chain (<i>rbcL</i>) is 553 bp</li> </ul> |

# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BI200923

>RD510-1C ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 162, 192

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

Batch ID. BI200923

>RD510-1C *psbA-trnH*

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI200923

>RD510-1C *rbcL*

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTCTGTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| Description of reference material | Dried leaf                               |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don       |
| Laboratory number                 | RD510                                    |
| Sample mark                       | RD510-1C                                 |
| Locality                          | Nangqian County, Qinghai Province, China |
| Corresponding voucher specimen    | RD536                                    |
| Authenticated                     | Yes                                      |
| Remarks                           | ITS2: 162Y, 192M                         |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BI200923

>RD510-2C ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 162, 192

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

Batch ID. BI200923

>RD510-2C\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAACTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI200923

>RD510-2C\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| Description of reference material | Dried leaf                               |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don       |
| Laboratory number                 | RD510                                    |
| Sample mark                       | RD510-2C                                 |
| Locality                          | Nangqian County, Qinghai Province, China |
| Corresponding voucher specimen    | RD536                                    |
| Authenticated                     | Yes                                      |
| Remarks                           | ITS2: 162Y, 192M                         |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BIC210709

>RD510-3A ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 164, 195

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

Batch ID. BIC210709

>RD510-3A *psbA-trnH*

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAACTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BIC210709

>RD510-3A *rbcL*

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTCTGTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| Description of reference material | Dried leaf                               |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don       |
| Laboratory number                 | RD510                                    |
| Sample mark                       | RD510-3A                                 |
| Locality                          | Nangqian County, Qinghai Province, China |
| Corresponding voucher specimen    | RD536                                    |
| Authenticated                     | Yes                                      |
| Remarks                           | ITS2: 164Y, 195M                         |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BIC210709

>RD510-4A ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 164, 195

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

Batch ID. BIC210709

>RD510-4A\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAACTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BIC210709

>RD510-4A\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| Description of reference material | Dried leaf                               |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don       |
| Laboratory number                 | RD510                                    |
| Sample mark                       | RD510-4A                                 |
| Locality                          | Nangqian County, Qinghai Province, China |
| Corresponding voucher specimen    | RD536                                    |
| Authenticated                     | Yes                                      |
| Remarks                           | ITS2: 164Y, 195M                         |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BIC210709

>RD510-5A ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGCGGGCTGTCGGCGYCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 108, 164, 195

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

Batch ID. BIC210709

>RD510-5A *psbA-trnH*

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTATTACATTACATTT  
TTAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BIC210709

>RD510-5A *rbcL*

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGTCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| Description of reference material | Dried leaf                               |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don       |
| Laboratory number                 | RD510                                    |
| Sample mark                       | RD510-5A                                 |
| Locality                          | Nangqian County, Qinghai Province, China |
| Corresponding voucher specimen    | RD536                                    |
| Authenticated                     | Yes                                      |
| Remarks                           | ITS2: 108Y, 164Y, 195M                   |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BI200923

>RD511-1D ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGR  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 111, 162, 192

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

Batch ID. BI200923

>RD511-1D\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTATTACATTACATTT  
TTAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI200923

>RD511-1D\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGTCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Description of reference material | Dried leaf                              |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don      |
| Laboratory number                 | RD511                                   |
| Sample mark                       | RD511-1D                                |
| Locality                          | Xinlong County, Sichuan Province, China |
| Corresponding voucher specimen    | RD537                                   |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 111R, 162Y, 192M                  |

### Image

Front view



Back view





# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BI200923

>RD511-2C ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCCTCGT  
GTGCGGGGGCTTAAGCGCGGGCTGTCGGCGTCGGR  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 111, 162, 192

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

Batch ID. BI200923

>RD511-2C *psbA-trnH*

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTATTACATTACATTT  
TTAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI200923

>RD511-2C *rbcL*

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACTCCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAACTTTTCAAGGCCCGCCTCATGGTATCCAAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Description of reference material | Dried leaf                              |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don      |
| Laboratory number                 | RD511                                   |
| Sample mark                       | RD511-2C                                |
| Locality                          | Xinlong County, Sichuan Province, China |
| Corresponding voucher specimen    | RD537                                   |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 111R, 162Y, 192M                  |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BIC210709

>RD511-3A ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCCTTAAGGGGCTCAAGAG  
ACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 164, 195

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

Batch ID. BIC210709

>RD511-3A *psbA-trnH*

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTATTACATTACATTT  
TTAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAACTCTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BIC210709

>RD511-3A *rbcL*

AAGTGCTGGATTCAAAGCTGGTGTTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Description of reference material | Dried leaf                              |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don      |
| Laboratory number                 | RD511                                   |
| Sample mark                       | RD511-3A                                |
| Locality                          | Xinlong County, Sichuan Province, China |
| Corresponding voucher specimen    | RD537                                   |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 164Y, 195M                        |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BIC210709

>RD511-4A ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 164, 195

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

Batch ID. BIC210709

>RD511-4A *psbA-trnH*

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAACTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BIC210709

>RD511-4A *rbcL*

AAGTGCTGGATTCAAAGCTGGTGTTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTCTGTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGTCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Description of reference material | Dried leaf                              |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don      |
| Laboratory number                 | RD511                                   |
| Sample mark                       | RD511-4A                                |
| Locality                          | Xinlong County, Sichuan Province, China |
| Corresponding voucher specimen    | RD537                                   |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 164Y, 195M                        |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BIC210709

>RD511-6B ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 164, 195

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

Batch ID. BIC210709

>RD511-6B *psbA-trnH*

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAACTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BIC210709

>RD511-6B *rbcL*

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Description of reference material | Dried leaf                              |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don      |
| Laboratory number                 | RD511                                   |
| Sample mark                       | RD511-6B                                |
| Locality                          | Xinlong County, Sichuan Province, China |
| Corresponding voucher specimen    | RD537                                   |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 164Y, 195M                        |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BI200923

>RD512-1C ITS2  
CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGGAACGGGCGAKCCGTGCTCCGTACGAGGAGG  
GCGTGYCGTCTCGCAATG

Remarks: observations at nucleotide position 162, 200, 226

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

Batch ID. BI200923

>RD512-1C *psbA-trnH*  
ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCAATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTTATTACATTACATTT  
TTAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI200923

>RD512-1C *rbcL*  
AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGTCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACCTTTTCAAGGCCCGCCTCATGGTATCCAAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Description of reference material | Dried leaf                             |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don     |
| Laboratory number                 | RD512                                  |
| Sample mark                       | RD512-1C                               |
| Locality                          | Kangding City, Sichuan Province, China |
| Corresponding voucher specimen    | RD538                                  |
| Authenticated                     | Yes                                    |
| Remarks                           | ITS2: 162Y, 200K, 226Y                 |

### Image

Front view



Back view



# Reference DNA Sequence

## Dried Leaf

### DNA Information

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

Batch ID. BI200923

>RD512-2C ITS2  
CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACRAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGGAMCGGGCGAKCCGTGCTCCGTACGAGGAGG  
GCGTGYCGTCTCGCAATG

Remarks: observations at nucleotide position 123, 162, 192, 200, 226

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

Batch ID. BI200923

>RD512-2C\_psbA-trnH  
ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCAATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTTATTACATTACATTT  
TTAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI200923

>RD512-2C\_rbcL  
AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGTCCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCCCTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Description of reference material | Dried leaf                             |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don     |
| Laboratory number                 | RD512                                  |
| Sample mark                       | RD512-2C                               |
| Locality                          | Kangding City, Sichuan Province, China |
| Corresponding voucher specimen    | RD538                                  |
| Authenticated                     | Yes                                    |
| Remarks                           | ITS2: 123R, 162Y, 192M, 200K, 226Y     |

### Image

Front view



Back view



## Reference DNA Sequence

### Dried Leaf

#### DNA Information

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

Batch ID. BIC210709-2

>RD512-8A ITS2

CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGGAACGGGCGAKCCGTGCTCCGTACGAGGAGG  
GCGTGYCGTCTCGCAATG

Remarks: observations at nucleotide position 164, 203, 229

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

Batch ID. BIC210709-2

>RD512-8A\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCAATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTTATTACATTACATTT  
TTAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BIC210709-2

>RD512-8A\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGTCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACCTTTTCAAGGCCCGCCTCATGGTATCCAAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

#### Reference Detail

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Description of reference material | Dried leaf                             |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don     |
| Laboratory number                 | RD512                                  |
| Sample mark                       | RD512-8A                               |
| Locality                          | Kangding City, Sichuan Province, China |
| Corresponding voucher specimen    | RD538                                  |
| Authenticated                     | Yes                                    |
| Remarks                           | ITS2: 164Y, 203K, 229Y                 |

#### Image

Front view



Back view





## Reference DNA Sequence

### Dried Leaf

#### DNA Information

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

Batch ID. BIC210709-2

```
>RD512-9A ITS2
CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGG
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG
ACCCGGAMCGGGCGAKCCGTGCTCCGTACGAGGAGG
GCGTGYCGTCTCGCAATG
```

Remarks: observations at nucleotide position 164, 195, 203, 229

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

Batch ID. BIC210709-2

```
>RD512-9A_psbA-trnH
ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT
ATACGAATCCTTGATGGAGCAATATCTTTGTATCTTGC
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA
CGTGTACAGGGGATTACTCCTTTATTACATTACATTT
TTAAAATTGGCATTCTATGCCCAATATATCGATCTAA
GTATGAAGGTAAGAATAAATACAATAATGATGAATG
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA
GGGCGGATGTAGCCAAGTGGATCAAGGCAGT
```

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

Batch ID. BIC210709-2

```
>RD512-9A_rbcL
AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA
CTGATATTTTGGCAGCATTCCGAGTAACCTCAACC
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT
CTACGCTCTGGAGGATCTGCGAATTCCTACTTCTTATTC
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG
```

#### Reference Detail

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Description of reference material | Dried leaf                             |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don     |
| Laboratory number                 | RD512                                  |
| Sample mark                       | RD512-9A                               |
| Locality                          | Kangding City, Sichuan Province, China |
| Corresponding voucher specimen    | RD538                                  |
| Authenticated                     | Yes                                    |
| Remarks                           | ITS2: 164Y, 195M, 203K, 229Y           |

#### Image

Front view



Back view





# Reference DNA Sequence

## Plant Specimen

### DNA Information

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

Batch ID. BI201009-2

>RD536-2A ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAG  
ACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 162, 192

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

Batch ID. BI201009-2

>RD536-2A\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI201009-2

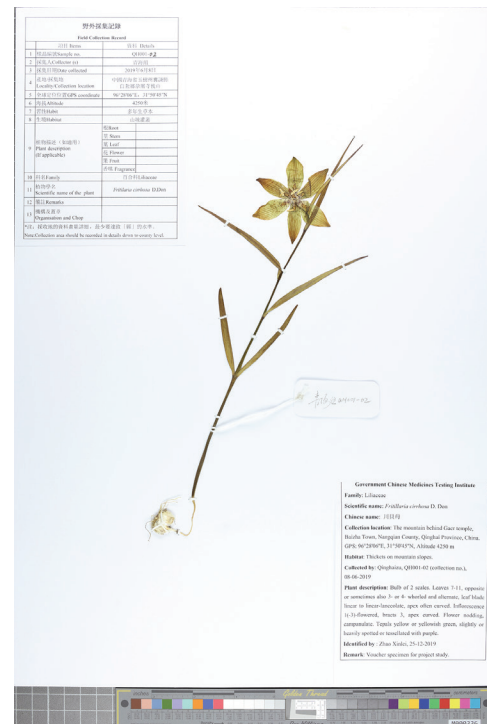
>RD536-2A\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTCGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

| Description of reference material | Plant specimen                           |
|-----------------------------------|------------------------------------------|
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don       |
| Laboratory number                 | RD536                                    |
| Sample mark                       | RD536-2A                                 |
| Locality                          | Nangqian County, Qinghai Province, China |
| Corresponding CMM                 | RD510                                    |
| Authenticated                     | Yes                                      |
| Remarks                           | ITS2: 162Y, 192M                         |

### Image



# Reference DNA Sequence

## Plant Specimen

### DNA Information

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

Batch ID. BI201009-2

>RD536-3A ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 162, 192

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

Batch ID. BI201009-2

>RD536-3A\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI201009-2

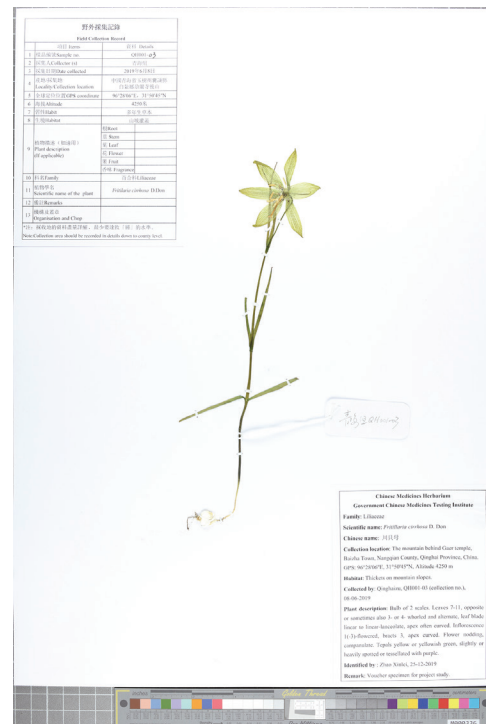
>RD536-3A\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

| Description of reference material | Plant specimen                           |
|-----------------------------------|------------------------------------------|
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don       |
| Laboratory number                 | RD536                                    |
| Sample mark                       | RD536-3A                                 |
| Locality                          | Nangqian County, Qinghai Province, China |
| Corresponding CMM                 | RD510                                    |
| Authenticated                     | Yes                                      |
| Remarks                           | ITS2: 162Y, 192M                         |

### Image



# Reference DNA Sequence

## Plant Specimen

### DNA Information

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

Batch ID. BI201009-2

>RD537-1A ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCGTCTCGCAATG

Remarks: observations at nucleotide position 162, 192

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

Batch ID. BI201009-2

>RD537-1A\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGGTGCACAGGGGATTACTCCTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATAACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

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

Batch ID. BI201009-2

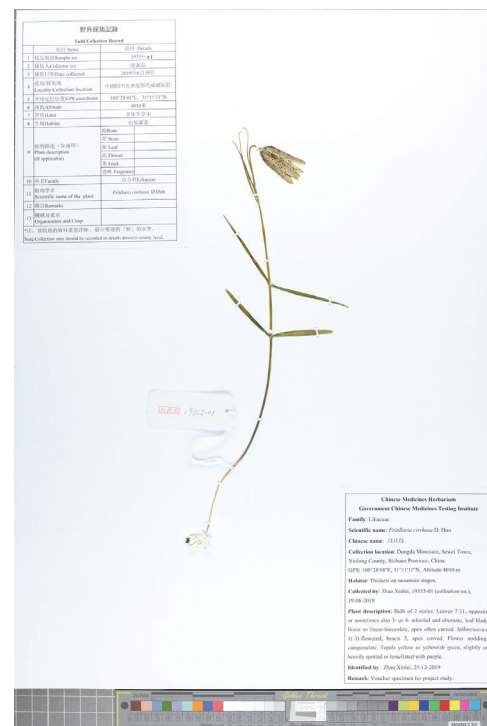
>RD537-1A\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCCGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTCGGAGGATCTGCGAATTCCTACTTCTTATTC  
CAAAACCTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

| Description of reference material | Plant specimen                          |
|-----------------------------------|-----------------------------------------|
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don      |
| Laboratory number                 | RD537                                   |
| Sample mark                       | RD537-1A                                |
| Locality                          | Xinlong County, Sichuan Province, China |
| Corresponding CMM                 | RD511                                   |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 162Y, 192M                        |

### Image



## Reference DNA Sequence

## Plant Specimen

## DNA Information

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2)

Batch ID, BI201009-2

>RD537-2A ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCCTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGR  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCCGCTTAAGGGGCTCAAGAG  
ACCCGGAACGGGCGAGCCGTGCTCCGTACGAGGAGG  
GCGTGCCAGTCTCGAATG

Remarks: observations at nucleotide position 111, 162

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

Batch ID, BI201009-2

>RD537-2A psbA-trnH

ACAATTTCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCTATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTCACAGGGGATTACTCCTTTATTACATTACATTT  
TAAAAATTGGCATTCTATGCCACAATATATCGATCTAA  
GTATGAAGTGAAGAATAAATACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGGCGGATGTAGCCAAGTGGATCAAGGCAGT

Chloroplast ribulose biphosphate carboxylase large chain (*rbcL*)

Batch ID, BI201009-2

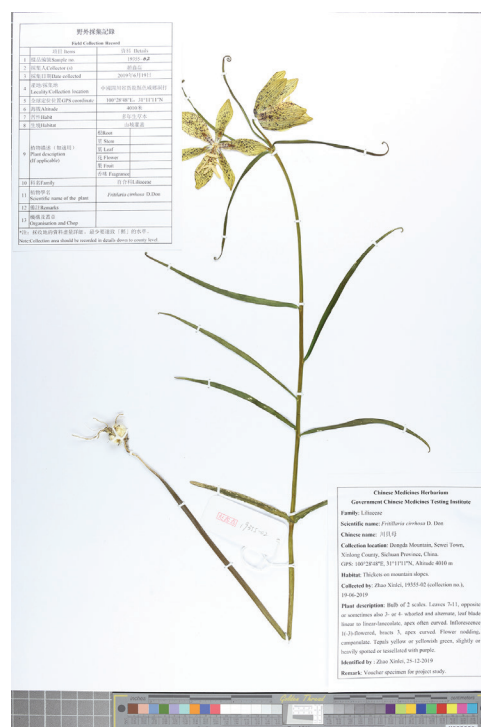
>RD537-2A rbcL

AAGTGTCTGGATTCAAAGCTGGTGTTAAAGATTACAAA  
TTGACTTATTATACTCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCGAGTAACCTCTCAACC  
CGGAGTTCACCCGAAGAGGCCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACACTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA  
ATCAATATATGTGTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTCTTGTTACTAACATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTCTGGAGGATCTGCGAATTCTACTTCTTATTC  
CAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAAATGAACAAGTATGGTCGTCCCCTAT  
TAGGATGTACCATTAAACCAAAATAGGATTATCTGC  
AAAGAAGTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Description of reference material | Plant specimen                          |
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don      |
| Laboratory number                 | RD537                                   |
| Sample mark                       | RD537-2A                                |
| Locality                          | Xinlong County, Sichuan Province, China |
| Corresponding CMM                 | RD511                                   |
| Authenticated                     | Yes                                     |
| Remarks                           | ITS2: 111R. 162Y                        |

*Image*



# Reference DNA Sequence

## Plant Specimen

### DNA Information

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

Batch ID. BI201009-2

>RD538-1A ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAKCCGTGCTYCGTACGAGGAGG  
GCGTGYCGTCTCGCAATG

Remarks: observations at nucleotide position 162, 192, 200, 208, 226

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

Batch ID. BI201009-2

>RD538-1A\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCAATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTTATTACATTACATTT  
TTAAAATTGGCATTCTATGCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI201009-2

>RD538-1A\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCAGAGTAACCTCCTCAACC  
CGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGC  
CGCCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGGTTCTGTTACTAATCATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTCGGAGGATCTGCGAATTCCTACTCTTATTC  
CAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

### Reference Detail

| Description of reference material | Plant specimen                         |
|-----------------------------------|----------------------------------------|
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don     |
| Laboratory number                 | RD538                                  |
| Sample mark                       | RD538-1A                               |
| Locality                          | Kangding City, Sichuan Province, China |
| Corresponding CMM                 | RD512                                  |
| Authenticated                     | Yes                                    |
| Remarks                           | ITS2: 162Y, 192M, 200K, 208Y, 226Y     |

### Image



# Reference DNA Sequence

## Plant Specimen

### DNA Information

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

Batch ID. BI201009-2

>RD538-2A ITS2

CGCCTTGTTTCGCTCCGTGCCAATGACCCTTCGGGTG  
CGGTCACGGATGCGGAGATTGGCCCCCGTGCTCGT  
GTGCGGGGGCTTAAGCGCGGGCTGTCGGCGTCGGG  
ATGGGCACGACRAGTGGTGGACGGAGCACCAGCAGG  
ATGTTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAG  
ACCCGAMCGGGCGAKCCGTGCTCCGTACGAGGAGG  
GCGTGYCGTCTCGCAATG

Remarks: observations at nucleotide position 123, 162, 192, 200, 226

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

Batch ID. BI201009-2

>RD538-2A\_psbA-trnH

ACAATTTCCCTCTAGACCTAGCTGCTATTGAAGTTCCA  
TCTACAAATGGATAAGACTTACATTCTGTCTTAGTGT  
ATACGAATCCTTGATGGAGCAATATCTTTGTATCTTGC  
TAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAA  
CGTGTACAGGGGATTACTCCTTTATTACATTACATTT  
TTAAAATTGGCATTCTATGCCAATATATCGATCTAA  
GTATGAAGGTAAGAATAAATACAATAATGATGAATG  
GAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAA  
GGGCGGATGTAGCCAAGTGATCAAGGCAGT

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

Batch ID. BI201009-2

>RD538-2A\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTAAAGATTACAAA  
TTGACTTATTATACTCCTGACTATGAAACCAAAGATA  
CTGATATTTTGGCAGCATTCGAGTAACCTCTCAACC  
CGGAGTTCCACCGAAGAGGCAGGGGCAGCGGTAGC  
CGCGAATCTTCCACTGGTACATGGACAACCTGTGTGG  
ACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGC  
GATGCTACCACATCGAGAGCGTTGTTGGGAAGAAA  
ATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTT  
TTTGAAGAAGTTCTGTTACTAATCATGTTCACTTCCAT  
TGTGGGTAATGTATTTGGTTTCAAAGCCCTACGAGCT  
CTACGCTGGAGGATCTGCGAATTCCTACTCTTATTC  
CAAACTTTTCAAGGCCCGCCTCATGGTATCCAAGTT  
GAAAGGGATAAATTGAACAAGTATGGTCGTCCCTAT  
TAGGATGTACCATTAAACCAAAATTAGGATTATCTGC  
AAAGAACTATGGTAGAGCAGTTTATGAATGTCTG

## Reference Detail

| Description of reference material | Plant specimen                         |
|-----------------------------------|----------------------------------------|
| Scientific name                   | <i>Fritillaria cirrhosa</i> D. Don     |
| Laboratory number                 | RD538                                  |
| Sample mark                       | RD538-2A                               |
| Locality                          | Kangding City, Sichuan Province, China |
| Corresponding CMM                 | RD512                                  |
| Authenticated                     | Yes                                    |
| Remarks                           | ITS2: 123R, 162Y, 192M, 200K, 226Y     |

## Image



## Reference DNA sequences in FASTA format

Internal transcribed spacer 2 of nuclear ribosomal RNA (ITS2) sequence of plant voucher specimen of *Fritillaria cirrhosa* and dried leaf of *F. cirrhosa*

```
>RD510-1C ITS2
CGCCTTGTTTCGCTCCGTGCCCAATGACCCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCCTCGTG
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD510-2C ITS2
CGCCTTGTTTCGCTCCGTGCCCAATGACCCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCCTCGTG
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD510-3A ITS2
CGCCTTGTTTCGCTCCGTGCCCAATGACCCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCCTCGTG
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD510-4A ITS2
CGCCTTGTTTCGCTCCGTGCCCAATGACCCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCCTCGTG
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD510-5A ITS2
CGCCTTGTTTCGCTCCGTGCCCAATGACCCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCCTCGTG
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGYCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD511-1D ITS2
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TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD511-2C ITS2
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TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD511-3A ITS2
CGCCTTGTTTCGCTCCGTGCCCAATGACCCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCCTCGTG
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD511-4A ITS2
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TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD511-6B ITS2
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TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG
CCGTCTCGCAATG
>RD512-1C ITS2
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TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAACGGGCGAKCCGTGCTCCGTACGAGGAGGGCGTG
YCGTCTCGCAATG
>RD512-2C ITS2
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TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACRAGTGGTGGACGGAGCACCAGCAGGATG
TTGTGGCCCCCYGTCGCCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAKCCGTGCTCCGTACGAGGAGGGCGTG
YCGTCTCGCAATG
>RD512-8A ITS2
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TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG
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TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAACGGGCGAKCCGTGCTCCGTACGAGGAGGGCGTG  
YCGTCTCGCAATG  
>RD512-9A ITS2  
CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCTCGTG  
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG  
TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAKCCGTGCTCCGTACGAGGAGGGCGTG  
YCGTCTCGCAATG  
>RD536-2A ITS2  
CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCTCGTG  
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TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG  
CCGTCTCGCAATG  
>RD536-3A ITS2  
CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCTCGTG  
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG  
TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG  
CCGTCTCGCAATG  
>RD537-1A ITS2  
CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCTCGTG  
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG  
TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG  
CCGTCTCGCAATG  
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CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCTCGTG  
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TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAACGGGCGAGCCGTGCTCCGTACGAGGAGGGCGTG  
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>RD538-1A ITS2  
CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCTCGTG  
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACGAGTGGTGGACGGAGCACCAGCAGGATG  
TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAKCCGTGCTYCGTACGAGGAGGGCGT  
GYCGTCTCGCAATG  
>RD538-2A ITS2  
CGCCTTGTTTCGCTCCGTGCCCAATGACCCTTCGGGTGCGGTACGGATGCGGAGATTGGCCCCCGTGCTCGTG  
TGCGGCGGGCTTAAGCGCGGGCTGTCGGCGTCGGGATGGGCACGACRAGTGGTGGACGGAGCACCAGCAGGATG  
TTGTGGCCCCYGTGCGCTTAAGGGGCTCAAGAGACCCGGAMCGGGCGAKCCGTGCTCCGTACGAGGAGGGCGTG  
YCGTCTCGCAATG



Chloroplast *psbA-trnH* intergenic spacer (*psbA-trnH*) sequence of plant voucher specimen of *Fritillaria cirrhosa* and dried leaf of *F. cirrhosa*

>RD510-1C\_psbA-trnH

ACAATTCCCTCTAGACCTAGCTGCTATTGAAGTTCCATCTACAAATGGATAAGACTTACATTCTGTCTTAGTGTAT  
ACGAATCCTTGATGGAGCTATATCTTTGTATCTTGCTAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAACGT  
GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
AAGGTAAGAATAAATAACAATAATGATGAATGGAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAAGGGGCGG  
ATGTAGCCAAGTGGATCAAGGCAGT

>RD510-2C\_psbA-trnH

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GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
AAGGTAAGAATAAATAACAATAATGATGAATGGAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAAGGGGCGG  
ATGTAGCCAAGTGGATCAAGGCAGT

>RD510-3A\_psbA-trnH

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ACGAATCCTTGATGGAGCTATATCTTTGTATCTTGCTAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAACGT  
GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
AAGGTAAGAATAAATAACAATAATGATGAATGGAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAAGGGGCGG  
ATGTAGCCAAGTGGATCAAGGCAGT

>RD510-4A\_psbA-trnH

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ACGAATCCTTGATGGAGCTATATCTTTGTATCTTGCTAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAACGT  
GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
AAGGTAAGAATAAATAACAATAATGATGAATGGAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAAGGGGCGG  
ATGTAGCCAAGTGGATCAAGGCAGT

>RD510-5A\_psbA-trnH

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ACGAATCCTTGATGGAGCTATATCTTTGTATCTTGCTAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAACGT  
GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
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ATGTAGCCAAGTGGATCAAGGCAGT

>RD511-1D\_psbA-trnH

ACAATTCCCTCTAGACCTAGCTGCTATTGAAGTTCCATCTACAAATGGATAAGACTTACATTCTGTCTTAGTGTAT  
ACGAATCCTTGATGGAGCTATATCTTTGTATCTTGCTAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAACGT  
GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
AAGGTAAGAATAAATAACAATAATGATGAATGGAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAAGGGGCGG  
ATGTAGCCAAGTGGATCAAGGCAGT

>RD511-2C\_psbA-trnH

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ACGAATCCTTGATGGAGCTATATCTTTGTATCTTGCTAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAACGT  
GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
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ATGTAGCCAAGTGGATCAAGGCAGT

>RD511-3A\_psbA-trnH

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ATGTAGCCAAGTGGATCAAGGCAGT

>RD511-4A\_psbA-trnH

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ATGTAGCCAAGTGGATCAAGGCAGT

>RD511-6B\_psbA-trnH

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GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
AAGGTAAGAATAAATAACAATAATGATGAATGGAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAAGGGGCGG  
ATGTAGCCAAGTGGATCAAGGCAGT

>RD512-1C\_psbA-trnH

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ACGAATCCTTGATGGAGCAATATCTTTGTATCTTGCTAAAGATATTGCTCCATCAAGGATTTTTTTTATTGAACGT  
GTCACAGGGGATTACTCCTTTATTACATTACATTTTAAAAATTGGCATTCTATGCCCAATATATCGATCTAAGTATG  
AAGGTAAGAATAAATAACAATAATGATGAATGGAAAAATAAAAAAGCTAAAAATCCTTTAGCTAGATAAGGGGCGG  
ATGTAGCCAAGTGGATCAAGGCAGT

[illegible]

Partial chloroplast ribulose biphosphate carboxylase large chain (*rbcL*) sequence of plant voucher specimen of *Fritillaria cirrhosa* and dried leaf of *F. cirrhosa*

>RD510-1C\_rbcL

AAGTGCTGGATTCAAAGCTGGTGTTAAAGATTACAAATTGACTTATTATACTCCTGACTATGAAACCAAAGATACT  
GATATTTTGGCAGCATTCCGAGTAACCTCAACCCGGAGTTCCACCCGAAGAGGCAGGGGCAGCGGTAGCCGCC  
GAATCTTCCACTGGTACATGGACAACCTGTGTGGACTGATGGACTTACCAGTCTTGATCGTTACAAAGGGCGATGCT  
ACCACATCGAGAGCGTTGTTGGGGAAGAAAAATCAATATATTGCTTATGTAGCTTATCCTTTAGACCTTTTTGAAGA  
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