Fact sheet of reference DNA sequences of *Cervus elaphus* (馬鹿)

Summary	**Information**
Scientific name	*Cervus elaphus* Linnaeus
Type of reference material used for data generation	● Cornu Cervi Pantotrichum (鹿茸) ● Animal parts of certified species origin
Cornu Cervi Pantotrichum (鹿茸) (number of specimens / locality)	● 3 / Hong Kong SAR, China (local market) ● 7 / Shuangyang, Jilin Province, China ● 1 / Xiuying, Hainan Province, China
Animal parts of certified species origin (number of specimens / locality)	● 6 / Shuangyang, Jilin Province, China ● 3 / Xiuying, Hainan Province, China
Total number of specimen	● 20
Specimen source	● GCMTI collection ● Hong Kong Chinese Materia Medica Standards (HKCMMS) Project
Method for data generation	● GCMTI RD-6:2020
Length of DNA barcode	● Mitochondrial cytochrome c oxidase subunit I (COI) is 658 bp ● Mitochondrial cytochrome b (CYTB) is 421 bp ● Mitochondrial 16S ribosomal RNA (16SrRNA) is from 448 to 449 bp

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI200318

>RD498-1A_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCCTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCCCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI200318

>RD498-1A_CYTB
AGGAGCAACGGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATTCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI200318

>RD498-1A_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD498
Sample mark	RD498-1A
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI200318

>RD499-1A_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GGACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTACTTGGAGATGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATGCCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGCGCCCCAGACATAGCATTTCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TCCTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATATCCCCCTCTAGCTGGCAACTTAGCTCATG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTA
GCAGGCGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATCAATATAAAACCCCCTGCCATATCACAATATC
AAACTCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTCTTTG
ACCCAGCAGGAGGCGGAGATCCTATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI200318

>RD499-1A_CYTB
AGGAGCAACAGTCATCACCAACCTTCTCTCAGCAATTCCAT
ATATTGGGACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGACAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAAACAGGATCTAATAACCCAAC
AGGAATTCCATCAGACGCAGACAAAATCCCCTTTCATCCTT
ATTATACCATTAAAGATATCTTAGGCATCTTACTTCTTGTA
CTCTTCTTAATATTACTAGTATTATTCGCACCAGACCTACTT
GGAGATCCAGATAACTACACCCCAGCAAACCCACTCAACA
CACCCCCTCATATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI200318

>RD499-1A_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAGAAATAAATTTCAT
TACTAAGGAAACAACAACACTCTTTATGGGTTAACAGCTTT
GGTTGGGGTGACCTCGGAGAACAAAAAATCCTCCGAGCGA
TTTTAAAGACTAGACCTACAAGTCGAATCACACAATCGTTT
ATTGATCCAAAAAATTGATCAACGGAACAAGTTACCCTAG
GGATAACAGCGCAATCCTATTCAAGAGTCCATATCGACAA
TAGGGTTTACGACCTCGATGTTGGATCAGGACATCCCGATG
GTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGATTAAAG
T

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD499
Sample mark	RD499-1A
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI200318

>RD501-1B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTAATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATGGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ATCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI200318

>RD501-1B_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGGTCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI200318

>RD501-1B_16SrRNA
TGTTCTCTAAATAGGGACTTGCATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD501
Sample mark	RD501-1B
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI200318

>RD500-1A_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGATCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCTGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI200318

>RD500-1A_CYTB
AGGAGCAACGGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATTCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI200318

>RD500-1A_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGACTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD500
Sample mark	RD500-1A
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191119

>RD363-1B_COI
YACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTAATTSGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATGGCATTYCCTCGAATAA
ACAATATAAGYTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGMGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAAYYTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAAYTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ATCCAGCAGGAGGCGGAGATCCCATTCTRTATCAACACTT
GTTC

Remarks: observations at nucleotide positions 1, 65, 235, 256, 316, 358, 359, 442, 643

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191119

>RD363-1B_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGGTCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191119

>RD363-1B_16SrRNA
TGTTCTCTAAATAGGGACTTGCATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD363
Sample mark	RD363-1B
Locality	Xiuying, Hainan Province, China
Authenticated	Yes
Remarks	COI: 1Y, 65S, 235Y, 256Y, 316M, 358Y, 359Y, 442Y, 643R

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191119-2

>RD368-1B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTAATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATGGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ATCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191119-2

>RD368-1B_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGGTCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191119-2

>RD368-1B_16SrRNA
TGTTCTCTAAATAGGGACTTGCATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD368
Sample mark	RD368-1B
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191119-2

>RD370-1C_COI
YACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTAYTAATTSGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATGGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGMGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAAYTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTKGTGTGATCCGTATTAGTCACTGCTGTA
CTACTRCTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ATCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Remarks: observations at nucleotide positions 1, 59, 65, 316, 358, 442, 505 and 538

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191119-2

>RD370-1C_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGGTCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191119-2

>RD370-1C_16SrRNA
TGTTCTCTAAATAGGGACTTGCATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD370
Sample mark	RD370-1C
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes
Remarks	COI: 1Y, 59Y, 65S, 316M, 442Y, 505K, 538R

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191119

>RD361-1C_COI
YACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Remarks: observation at nucleotide position 1

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191119

>RD361-1C_CYTB
AGGAGCAACGGTCATTACTAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATTATCGCAGCACTCGCTATAGTAC
ACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAACA
GGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTTA
CTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTAC
TCTTCCTAATATTACTAGTACTATTCGCACCAGACCTGCTT
GGGGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191119

>RD361-1C_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD361
Sample mark	RD361-1C
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes
Remarks	COI: 1Y

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI180802-2

>RD107-B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAATTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCTGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGTGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI180802-2

>RD107-B_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
CTCAGTAGATAAAGCAACCCTAACCCGATTCTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCTAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGTATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI180802-2

>RD107-B_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD107
Sample mark	RD107-B
Locality	Hong Kong SAR, China (local market sample, imported from Jilin Province, China)
Authenticated	Yes

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI180802-2

>RD108-A_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAATTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCTGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI180802-2

>RD108-A_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
CTCAGTAGATAAAGCAACCCTAACCCGATTCTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCTAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGTATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI180802-2

>RD108-A_16SrRNA
TGTTCTYTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Remarks: observation at nucleotide position 7

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD108
Sample mark	RD108-A
Locality	Hong Kong SAR, China (local market sample, imported from Jilin Province, China)
Authenticated	Yes
Remarks	16S: 7Y

Image

Reference DNA Sequence

Chinese Materia Medica (CMM)

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI190626-2

>RD109-E_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAATTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCTGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI190626-2

>RD109-E_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTCTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCTAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCACCCT
TACTATACGATTAAAGATATCTTAGGTATCTTACTTCTAGT
ACTCTTCCTAATATTACTAGTATTATTCGCACCAGATCTGC
TTGGAGACCCAGACAACTATACCCCAGCAAATCCACTCAA
CACACCCCCTCACATTAAACCTGAATGATATTTCCTATTTG
CATACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI190626-2

>RD109-E_16SrRNA
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GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTGTTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Cornu Cervi Pantotrichum
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD109
Sample mark	RD109-E
Locality	Hong Kong SAR, China (local market sample, imported from Xinjiang Province, China)
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206

>RD383-B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTAACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206

>RD383-B_CYTB
AGGAGCAACGGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTACTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206

>RD383-B_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD383
Sample mark	RD383-B
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206

>RD384-B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGGATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206

>RD384-B_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAAACAGGATCCAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAATA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206

>RD384-B_16SrRNA
TGTTCTTTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD384
Sample mark	RD384-B
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206

>RD385-B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGATCTGACTATTTTTTCTTTACACTTG
GCAGGTATCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCTGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206

>RD385-B_CYTB
AGGAGCAACGGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATTCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206

>RD385-B_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGACTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD385
Sample mark	RD385-B
Locality	Xiuying, Hainan Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206

>RD386-B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCTTAAGCCTACTAATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATGGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCTCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ATCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206

>RD386-B_CYTB
AGGAGCAACAGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGGTCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATCCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206

>RD386-B_16SrRNA
TGTTCTCTAAATAGGGACTTGCATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD386
Sample mark	RD386-B
Locality	Xiuying, Hainan Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206

>RD387-B_COI
TACTCTGTATCTATTATTTGGTGCCTGAGCAGGCATAGTAG
GAACAGCCCTAAGCCTACTGATTCGTGCCGAACTGGGCCA
ACCTGGTACTCTGCTTGGAGACGACCAAATTTATAATGTTA
TCGTAACCGCACATGCATTCGTAATAATTTTCTTTATAGTT
ATACCAATTATAATTGGAGGATTTGGTAATTGACTAGTTCC
CCTAATAATTGGTGCCCCAGACATAGCATTCCCTCGAATAA
ACAATATAAGCTTTTGACTCCTCCCTCCTTCTTTCTTACTAC
TTTTAGCATCATCTATAGTTGAAGCTGGCGCAGGAACAGG
CTGAACTGTATACCCCCCTCTAGCTGGCAACTTAGCCCACG
CAGGGGCTTCAGTAGACCTGACTATTTTTTCTTTACACTTG
GCAGGTGTCTCCTCAATTCTAGGGGCCATTAACTTTATTAC
AACAATTATTAATATAAAACCCCCTGCCATATCACAATATC
AAACCCCTCTATTTGTGTGATCCGTATTAGTCACTGCTGTA
CTACTACTTCTCTCACTCCCTGTACTAGCAGCCGGAATTAC
AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206

>RD387-B_CYTB
AGGAGCAACGGTCATTACCAACCTTCTCTCAGCAATTCCAT
ACATTGGCACAAACCTAGTCGAATGGATCTGAGGAGGCTT
TTCAGTAGATAAAGCAACCCTAACCCGATTTTTCGCTTTCC
ACTTTATTCTCCCATTTATCATCGCAGCACTCGCTATAGTA
CACTTACTCTTCCTTCACGAGACAGGATCCAATAACCCAAC
AGGAATTCCATCAGACGCAGACAAAATCCCCTTCCATCCTT
ACTATACCATTAAAGATATCTTAGGCATCTTACTTCTAGTA
CTCTTCCTAATATTACTAGTATTATTCGCACCAGACCTGCTT
GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
TACGCAATCCTA

Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206

>RD387-B_16SrRNA
TGTTCTCTAAATAGGGACTTGTATGAATGGCCACACGAGG
GTTTTACTGTCTCTTACTTCCAATCAGTGAAATTGACCTTCC
CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
TTTGGTTGGGGTGACCTCGGAGAACAAGAAATCCTCCGAG
CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
GTTTATTGATCCAAAAAATTGATCAACGGAACAAGTTACC
CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
ACAATAGGGTTTACGACCTCGATGTTGGATCAGGACATCC
CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD387
Sample mark	RD387-B
Locality	Xiuying, Hainan Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206

>RD388-B_COI
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GAACAGCCTTAAGCCTACTGATTCGTGCCGAACTGGGCCA
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GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206

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GGAGACCCAGACAACTATACCCCAGCAAACCCACTCAACA
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Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206

>RD388-B_16SrRNA
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CGTGAAGAGGCGGGAATATATTAATAAGACGAGAAGACCC
TATGGAGCTTTAACTACTTAGCCCAAAAGAAACAAATTTC
ATTGCTAAGGAAACAACAACACTCTTTATGGGCTAACAGC
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CGATTTTAAAGACTAGACCTACAAGTCGAATCACACAATC
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CTAGGGATAACAGCGCAATCCTATTCAAGAGTCCATATCG
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CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD388
Sample mark	RD388-B
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

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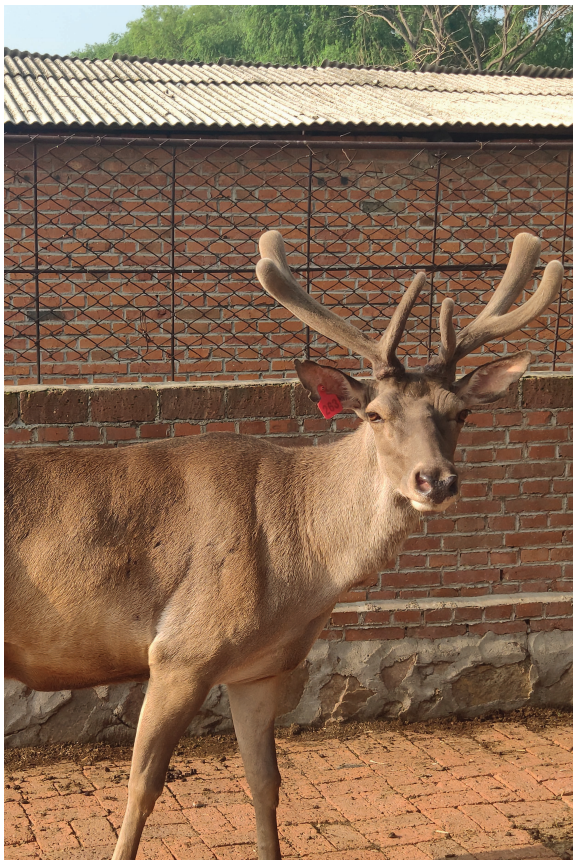

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206-2

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Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206-2

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Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206-2

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CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD390
Sample mark	RD390-C
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206-2

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AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
ACCCAGCAGGAGGCGGAGATCCCATTCTATATCAACACTT
GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206-2

>RD391-C_CYTB
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GGAGACCCAGACAACTATACCCCAGCAAATCCACTCAACA
CACCCCCTCACATTAAACCTGAATGATATTTCCTATTTGCA
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Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206-2

>RD391-C_16SrRNA
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CGATGGTGCAACCGCTATCAAAGGTTCGTTTGTTCAACGAT
TAAAGT

Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD391
Sample mark	RD391-C
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA Sequence

Animal Part

DNA Information

Mitochondrial cytochrome c oxidase subunit I (COI)

Batch ID. BI191206-2

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AATACTATTAACAGACCGAAACTTAAATACAACCTTTTTTG
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GTTC

Mitochondrial cytochrome b (CYTB)

Batch ID. BI191206-2

>RD392-C_CYTB
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Mitochondrial 16S ribosomal RNA (16SrRNA)

Batch ID. BI191206-2

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Reference Detail

Description of reference material	Hair of *C. elaphus*
Scientific name	*Cervus elaphus* Linnaeus
Laboratory number	RD392
Sample mark	RD392-C
Locality	Shuangyang, Jilin Province, China
Authenticated	Yes

Image

Reference DNA sequences in FASTA format

Partial mitochondrial cytochrome c oxidase subunit I (COI) of authenticated parts of *Cervus elaphus* and Cornu Cervi Pantotrichum (*C. elaphus*)

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Partial mitochondrial 16S ribosomal RNA (16SrRNA) of authenticated parts of *Cervus elaphus* and Cornu Cervi Pantotrichum (*C. elaphus*)

>RD498-1A_16SrRNA
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