

Specimen Details Current

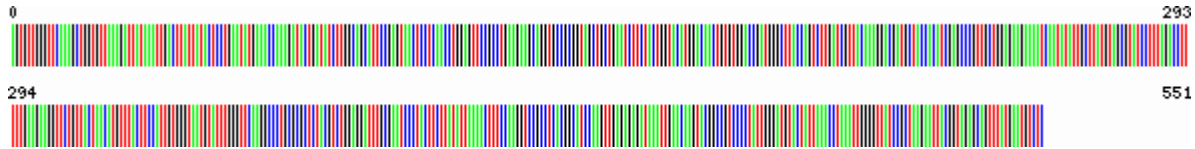
Sample ID: GCUL-FDGK-474
Process ID: GCUDG474-13
Project: GCUDG
Tax Names: Magnoliophyta, Magnoliopsida, Fabales, Fabaceae, Caesalpinioideae, Cassia, Cassia occidentalis
Taxon: Cassia occidentalis
Rank Name: species
Sampling Protocol: N/A
BIN URI: N/A
Kingdom: Plantae

Marker Summary

Marker Code	Sequence Length	GC	Ambiguous	Trace Count
rbcLa	552	43.3%	0%	2
matK	494	31%	0%	2

rbcLa

Illustrative Barcode



Nucleotide Sequence

AGTGTGGGTTCAAAGCTGGTGTAAAGATTATAAATTGACTTATTATACTCCTGAATATGAAACCAA
 GATACTGATATCTTGGCAGCATCCGAGTAACTCCTCAACCTGGAGTTCCGCCCTGAAGAAGCAGGTGCC
 CGGTAGCTGCTGAATCTTCTACTGGTACATGGACAACGTGTGGACCGATGGGCTTACAGTCTTGAT
 CGTTACAAGGACGATGCTACCACATCGAGCCCGTTGGTGGAGAAGAAAATCAATATATTGCTTATGTA
 GCGTATCCTTTAGACCTTTTGAAGAAGGTTCTGTTACTAACATGTTTACTTCCATTGTGGGTAATGTA
 TTTGGGTTCAAGGCCCTGCGCGCTCTACGCTCTGGAGGATTTGCGAATCCCTACTTCTTATATTA
 TTCCAAGGTCGCCCTCACGGCATCCAAGTTGAGAGAGATAAATTGAACAAGTACGGCCGTCCTTATTG
 GGATGTACTATTAAACCTAAATGGGTTATCCGTAAGAATTACGGTAGAGCAgTTTATGAATGtCTC

Sequence Metadata

Genbank Accession: N/A
Translation Matrix: Standard Code
Last Updated: 2013-07-11 13:17:23.645099
Sequence Runsite: Biodiversity Institute of Ontario

Amino Acid Sequence

SVGFKAGVKDYKLTYYTPEYETKDTDILAAFRVTPQGVVPEEAGAAVAASSTGTWTTWTDGLTSLD
 RYKGRCYHIEPVAGEENQYIAYVAYPLDLFEESVTNMFSTIVGNVFGFKALRALRLEDLRIPTSYIKT
 FQGPPIHGIQVERDKLNKYGRPLLGCTIKPKLGLSAKNYGRAVYECL

rbcLa Tags & Comments

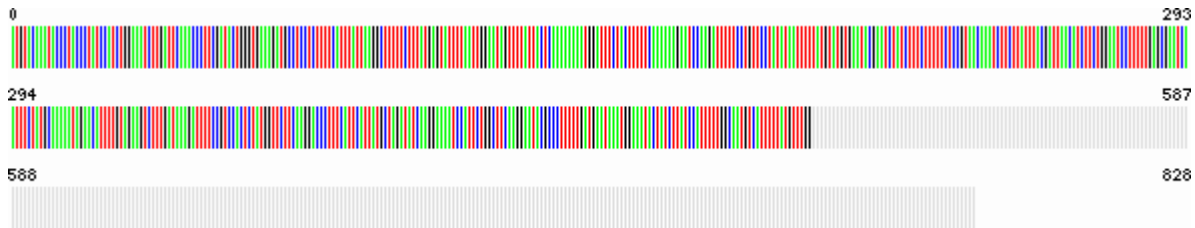
Sequencing Date 2013-06-12 13:32:31
Trace Direction F
Forward Primer rbcLa-F
Reverse Primer rbcLa-R
Sequence Primer rbcLa-F
Status high qual
Trace Runsite Biodiversity Institute of Ontario

Sequencing Date 2013-06-12 19:44:51
Trace Direction R
Forward Primer rbcLa-F
Reverse Primer rbcLa-R
Sequence Primer rbcLa-R
Status high qual
Trace Runsite Biodiversity Institute of Ontario



matK

Illustrative Barcode



Nucleotide Sequence

AtGTACAATACCCACCCATCCaTCTGGAAATCTTGATTCAAACCCCTCGATACTGGGTGAAAGATG
 CCTCCTCTTTTCATTTATTAAGGCTTTTCTTTATGAGTATTTAATTGGAATAGTTTTATACTCAA
 AAAAAATGGATTCTACTTTTCAAAAAAGaTCCAAGAtTTTTCCTGTTCTATATAATTTTTATGAT
 GTGAaTACGAATCTATCTTTCTTTTCTCCGTAACAAATCTTCTTATTTACGATTAACATCTCTGGAA
 tCCTTTTGAAGCAATCAATTTCTATGCaAAAAATAGAACATTTGTAGAAGTCTTTGATAAAGATTTTC
 CGTCCACTCTATGGtCTTCAAGGACCCTTTCATTCATTATGCTAGATATCAAGGAAAAATCCATTCTGG
 CTTCaAGGAATACGCCCTTTTGTGAATAAATGGAATACTATCTTATCCATTTTGGCAATGTCATT
 TTTATgTTTGG-----

Sequence Metadata

Genbank Accession: N/A
Translation Matrix: Standard Code
Last Updated: 2013-08-09 10:57:30.781866
Sequence Runsite: Biodiversity Institute of Ontario

Amino Acid Sequence

VQIPYPIHLEILIQTLRYWVKDASSFHLLRLFYEFNWNFSITQKKWISTFSKKNPRFFLFLYNYFVVC
 EYESIFLFRNKSSYLRLTSSGILFERINFYAKIEHFVEVFDKDFPSTLWFFKDPFIHYARYQGKSILA
 SRNTPFLMNKWKYYLIHFWQCHFVW-----

matK Tags & Comments

Sequencing Date	2013-07-19 15:02:44	Sequencing Date	2013-07-19 18:10:43
Trace Direction	R	Trace Direction	F
Forward Primer	matK_xF	Forward Primer	matK_xF
Reverse Primer	matK-MALPR1	Reverse Primer	matK-MALPR1
Sequence Primer	matK-MALPR1	Sequence Primer	matK_xF
Status	low qual	Status	low qual
Trace Runsite	Biodiversity Institute of Ontario	Trace Runsite	Biodiversity Institute of Ontario

