

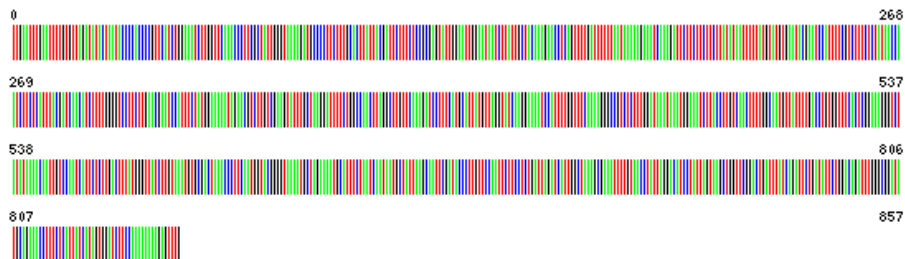
APPENDIX

DNA passport of *Catharanthus roseus maturase K (matK)* gene, partial cds; chloroplast

LOCUS JN228930 858 bp DNA linear PLN 31-AUG-2011
 ACCESSION **JN228930**
 SOURCE chloroplast *Catharanthus roseus* (Madagascar periwinkle)
 ORGANISM [Catharanthus roseus](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 asterids; lamiids; Gentianales; Apocynaceae; Rauvolfioideae;
 Vinceae; *Catharanthus*.
 REFERENCE 1 (bases 1 to 858)
 AUTHORS **Mahadani, P.**, Sharma, G.D. and Ghosh, S.K.
 TITLE Evaluation of matK sequence for species level DNA passport in
 medicinal Rauvolfioideae (Apocynaceae) plants from northeast India
 JOURNAL Submitted (05-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..858
 /organism="Catharanthus roseus"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /specimen_voucher="AUS-MP3"
 /db_xref="taxon:4058"
 /country="India"
 /collection_date="15-Aug-2009"
 /collected_by="P. Mahadani"
 /identified_by="P. Mahadani"

ORIGIN

1 ttgaatttga attttgtgtt agatatacta ataccccacc cgttcatct ggaaatcttg
 61 gtcaaaccc ttcgtattg ggtaaaagat gcccttctt tgcacttatt acgattcttt
 121 ctccgcgagt attgga acctcag ttttgatttt
 181 ttaataaaaa gaaatc tttatgt atgtgaatac
 241 gaatccattt tcgctc gatcaac atcttttggg
 301 gtccttcttg aacgaa ctgtcga agtatttgct
 361 aaggattttc tggcca tgcatta tgttaggtat
 421 caaggaaaat ccattt taaataa atggaaatct
 481 taccttgca actttt actcggg aagggcttat
 541 ataaaacaat tgtcca ttgtaaa tgtgcgacta
 601 aacccttcaa tggtaac caatcaa taatgctatt
 661 aagcaattcg atacccttgt tccaattctt cctctgatta gatcattggc taaagcgaaa
 721 ttttgaacc tattaggaca tcctattagt aagctggttc ggactgattt atcagattct
 781 gatattctgg acagatttgg gcggatatgc agaaacctt ctcattatca tagtggatct

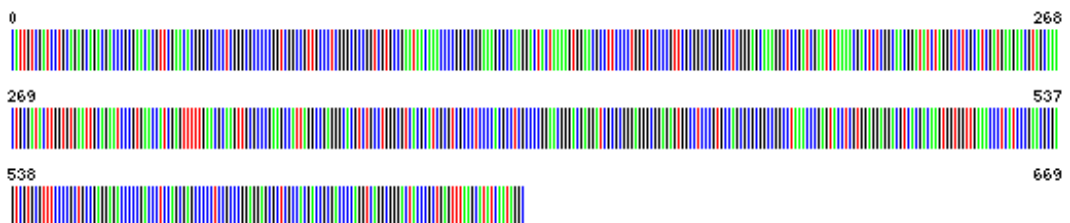


DNA passport of *Alstonia scholaris* maturase K (*matK*) gene, partial cds; chloroplast.

LOCUS JN228931 825 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228931
 SOURCE chloroplast *Alstonia scholaris*
 ORGANISM [Alstonia scholaris](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 asterids; lamiids; Gentianales; Apocynaceae; Rauvolfioideae;
 Alstonieae; *Alstonia*.
 REFERENCE 1 (bases 1 to 825)
 AUTHORS Mahadani, P., Sharma, G.D. and Ghosh, S.K.
 TITLE Evaluation of *matK* sequence for species level DNA passport in
 medicinal Rauvolfioideae (Apocynaceae) plants from northeast India
 JOURNAL Submitted (05-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..825
 /organism="Alstonia scholaris"
 /organelle="plastid:chloroplast"
 /specimen_voucher="AUS-MP5"
 /db_xref="taxon:52822"
 /country="India"
 /collection_date="19-Aug-2009"
 /collected_by="P. Mahadani"
 /identified_by="G.D. Sharma"

ORIGIN

1 ctggaatct tggttcaaac ccttcgctat tgggtaaag atgcccttc tttgcactta
 61 ttacgattct ttctccgga gtattgtaat tgggaataatc ttattgctac aaagaaacc
 121 agtttttctt ttttaac  tcttcttata taattcttat
 181 gtatgtgaat acgaatc aatccttca tttacgatca
 241 acatcctttg gggctct aaaaaataga acgtcttgtc
 301 gaaatcttgg ctaagga tcaaagatcc tttcatgcat
 361 tatgttaggt atcaagg ggacacctct tttgatgaat
 421 aatggaaat cttacct ttgacctgtg gtttcacttg
 481 gaaagggtct atataaa attttatggg ctatccttca
 541 agtatgcgac taaaccd tagaaaatgc atttctaac
 601 aataatgcta ttaagaa ttctctgat tggctcattg
 661 gctaaagcga aattttgtaa cctattagga catcccatta gtaagccggt tccgactgat
 721 ttatcagatt ctgatattat tgacagattt gggcgtatat gcagaaacct ttctcattat



DNA passport of *Thevetia peruviana* maturase K (*matK*) gene, partial cds; chloroplast.

LOCUS JN416982 771 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN416982
 SOURCE chloroplast *Thevetia peruviana*
 ORGANISM [Thevetia peruviana](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 asterids; lamiids; Gentianales; Apocynaceae; Rauvolfioideae;
 Plumerieae; *Thevetia*.
 REFERENCE 1 (bases 1 to 771)
 AUTHORS Rajbongshi, S., Mahadani, P. and Ghosh, S.K.
 TITLE Evaluation of *matK* sequence for species level DNA passport in
 medicinal Rauvolfioideae (Apocynaceae) plants from northeast India
 JOURNAL Submitted (24-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..771
 /organism="Thevetia peruviana"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP92"
 /db_xref="taxon:52862"
 /country="India"
 /collection_date="15-Apr-2011"
 /collected_by="S. Rajbongshi"
 /identified_by="P. Mahadani"

ORIGIN

```

1 atactaatac cccaccccg tcatctggaa atcttggttc aaacccttcg ctattgggta
61 aaagatgcc cttctttgc gttattg taattggaat
121 aatcttattg ctacaaaga taagaaa tcaaagatta
181 ttctttttct tatataatt tttcgt ctttctacat
241 aagcaatctt cacatctta tgaacg aatctattc
301 tatagaaaaa tagaacctc tcaggc caacttatgc
361 tttttcaaag atcctttca atcgat tctggtttca
421 aaggggacgg ctcttttgg gaattt ttggcaatgt
481 aattttgact tgtggtttc attatc caatcattct
541 ctttacttta tgggttata aagggg acggagtcaa
601 atgctcgaaa attcatttc cgatac ccttggtcca
661 attattcctc tgattggatc attggctaaa gaaaaatttt gtaacctatt aggagatccc
0
268
269
537
538
770

```



DNA passport of *Allamanda cathartica* maturase K (*matK*) gene, partial cds; chloroplast

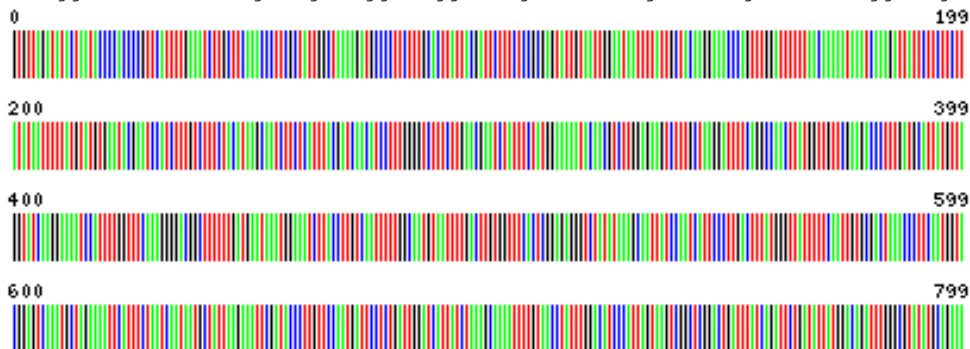
LOCUS JN228935 844 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228935
 SOURCE chloroplast *Allamanda cathartica*
 ORGANISM [Allamanda cathartica](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 asterids; lamiids; Gentianales; Apocynaceae; Rauvolfioideae;
 Plumerieae; *Allamanda*.
 REFERENCE 1 (bases 1 to 844)
 AUTHORS Mahadani, P., Sharma, G.D. and Ghosh, S.K.
 TITLE Evaluation of *matK* sequence for species level DNA passport in
 medicinal Rauvolfioideae (Apocynaceae) plants from northeast India
 JOURNAL Submitted (05-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..844
 /organism="Allamanda cathartica"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="B"
 /specimen_voucher="AUS-MP33"
 /db_xref="taxon:52818"
 /country="India"
 /collection_date="21-Aug-2009"
 /collected_by="P. Mahadani"
 /identified_by="G.D. Sharma"

ORIGIN

```

1  gtgtagata tactaatcc ccaagcattt cctttccca tttgcttca aacccttcgc
61  tattggctaa aagatcct cctccc cgagtattgt
121 aattggaata attttc ttaac aaaaataaat
181 caaagattat tcttctt gaatc catctttgtc
241 ttctacata agcaatc gtcctt tcttgaacga
301 atctatttct atggaa aagga ttttcaggcc
361 aacttatggg tgttcc caagg aaaatccatt
421 ttggtttcaa agggga tacct tgtcaatttt
481 tggcaatgta attttc atataa gcaattatcc
541 aatcattccc ttgactc aaacc ttcaatggta
601 cggagtcaaa tgctagc aagaa attcgatacc
661 cttgttccaa tgattcc attttg taacctatct
721 ggacatocca ttagtaagtc ggctcggact gatttatcag attctgatat tatggacaga

```



DNA passport of *Tabernaemontana divaricata maturase K (matK)* gene, partial cds; chloroplast

LOCUS JN228934 783 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228934
 SOURCE chloroplast *Tabernaemontana divaricata*
 ORGANISM [Tabernaemontana divaricata](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 asterids; lamiids; Gentianales; Apocynaceae; Rauvolfioideae;
 Tabernmontantaneae; *Tabernaemontana*.
 REFERENCE 1 (bases 1 to 783)
 AUTHORS Mahadani,P., Sharma,G.D. and Ghosh,S.K.
 TITLE Evaluation of matK sequence for species level DNA passport in
 medicinal Rauvolfioideae (Apocynaceae) plants from northeast India
 JOURNAL Submitted (05-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..783
 /organism="Tabernaemontana divaricata"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP32"
 /db_xref="taxon:52861"
 /country="India"
 /collection_date="21-Aug-2009"
 /collected_by="P. Mahadani"
 /identified_by="G.D. Sharma"

ORIGIN

```

1 ttgcacttat tacgattctt tctccgcgag tattgggatt gtaataatct tattgctaca
61 aagaagtcg gttttgattt ttttaacaaaa ataaatccaa aaataaatca aagattattc
121 tttttcttat ataattt cgaatc cattttcgtc
181 tttctccata accaatc gggttct tcttgaacga
241 atctatttct atggaaa taagga ttttcaggct
301 aacttaggct tgttcaa tcaagg aaaatccatt
361 ctggtttcaa aggggacc ttatct tgtcaatttt
421 tggcaatgta attttga tataaa gcaattgtcc
481 aatcattccc ttgactt aaacce ttcaattgta
541 cggagtcaaa tgctagaa taagaa attcgatacc
601 cttgttccaa ttattcc attttg taacctattc
661 ggacatccca ttagtaagcc ggtttgact gatttatcgg attctgatat tatggacaga
721 tttgggcgta tatgcagaaa cttttctcat tatcatagcg gatcctccaa aaaaaggagt
0 268
269 537
538 782

```



DNA passport of *Calotropis gigantea* maturase K (*matK*) gene, partial cds; chloroplast

LOCUS JN228932 846 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228932
 SOURCE chloroplast *Calotropis gigantea* (mudar)
 ORGANISM [Calotropis gigantea](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 asterids; lamiids; Gentianales; Apocynaceae; Asclepiadoideae;
 Asclepiadeae; *Calotropis*.
 REFERENCE 1 (bases 1 to 846)
 AUTHORS Mahadani, P., Sharma, G.D. and Ghosh, S.K.
 TITLE Evaluation of *matK* sequence for species level DNA passport in
 medicinal *Rauvolfioideae* (Apocynaceae) plants from northeast India
 JOURNAL Submitted (05-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India

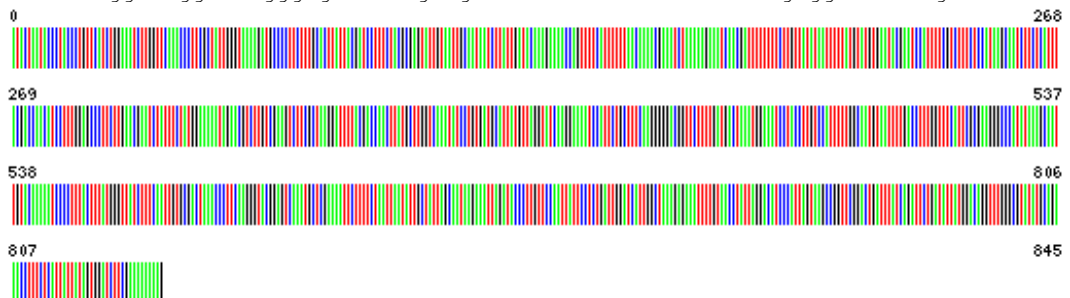
FEATURES Location/Qualifiers
 source 1..846
 /organism="Calotropis gigantea"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP22"
 /db_xref="taxon:4066"
 /country="India"
 /collection_date="20-Aug-2009"
 /collected_by="P. Mahadani"
 /identified_by="G.D. Sharma"

ORIGIN

```

1 atactaatac cctaccctat tcatctgaaa atcttggttc aaacccttcg ctattgggta
61 aaagatgccc cttc gcgagtattg taattgcaat
121 aatcttattg atac caaaacgaaa tctaaaaaga
181 aatcaacgat tttt gtgaatacga atccattttc
241 gtctttctcc ataa cctttggagc ccttcttgaa
301 cgaatctatt tcta ccttcgctaa ggattttacg
361 accaacttat gctt ctaggatca aggaaaatcc
421 attctgcttt caag ggaatccta ccttgccat
481 ttttggcaat gtaa gggcccatat aaagcaattg
541 tacaaaaatc ccct tgcgactaaa cccttcaagg
601 gtacggagtc aaat ttgctattag caataagaaa
661 ttagataccc ttgt tggctaaaga gaaattttgt
721 aacctattag gacatcccat tagtaagccg gttcggactg atttatcaga ttctgatatt
781 atggacaggt ttgggcgat atgcagaaac ctttctcatt attatagtgg atcttcgaaa

```



DNA passport of *Aloe vera* maturase K (*matK*) gene, partial cds; chloroplast

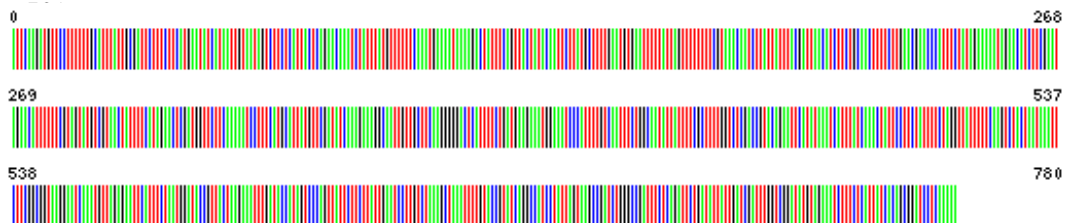
LOCUS JN228939 781 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228939
 SOURCE chloroplast *Aloe vera*
 ORGANISM [Aloe vera](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; Liliopsida; Asparagales;
 Xanthorrhoeaceae; Asphodeloideae; Aloe.
 REFERENCE 1 (bases 1 to 781)
 AUTHORS Mahadani,P. and Ghosh,S.K.
 TITLE Molecular identification of adulterated medicinal plants based on
 matK sequences
 JOURNAL Submitted (07-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..781
 /organism="Aloe vera"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP16"
 /db_xref="taxon:34199"
 /country="India"
 /collection_date="25-Mar-2011"
 /collected_by="P. Mahadani"
 /identified_by="Mridul M. Das"

ORIGIN

```

1 attcaagatg ttcccttttt gcatttattg ccattctttc ttcatgaata tcataattgt
61 aatagtcttc tcatta aaaaatga aaataaaaga
121 ctatttcagt tactat tttatt agtttttttt
181 cgtaaacaat cttatt tttcttga acgaacctat
241 ttctatagaa aaatag agtatg tcgtaactat
301 tttcatagaa ctcgat atgttcg atatcaaaga
361 aaggcaattg ttgctt atggaa atcccatttt
421 gtcaatttct ggcaat cagaat tcatataaat
481 cattatcaa actatt ctact aataaattct
541 tcgpcggtaa ggaatc taccgt tactaagaaa
601 tttgatacca tagtcc taaagc taaattttgt
661 accgtatcag gccatcctat tagtaagccg atctgggccc atttctcaga ttctgatatt
721 attgatcgat ttggtcggat atgtagaaat ctttctcatt atcacagcgg atcctcaaaa

```

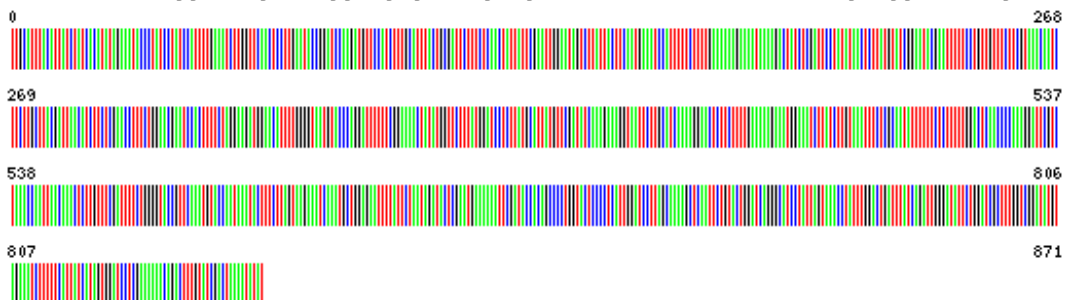


DNA passport of *Cynodon dactylon* maturase K (*matK*) gene, partial cds; chloroplast

LOCUS JN228941 872 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228941
 SOURCE chloroplast *Cynodon dactylon* (Bermuda grass)
 ORGANISM [Cynodon dactylon](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACMAD
 clade; Chloridoideae; Cynodonteae; Eleusininae; *Cynodon*.
 REFERENCE 1 (bases 1 to 872)
 AUTHORS Mahadani,P. and Ghosh,S.K.
 TITLE Molecular identification of adulterated medicinal plants based on
 matK sequences
 JOURNAL Submitted (07-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..872
 /organism="Cynodon dactylon"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP28"
 /db_xref="taxon:28909"
 /country="India"
 /collection_date="25-Mar-2011"
 /collected_by="P. Mahadani"
 /identified_by="G.D. Sharma"

ORIGIN

1 ttgcatttac attatctatc acatatagaa ataccctatc ctatccattt tgaatcttg
 61 gttcaactcc ttgaataccg gatccaagat gttccatctt tgcatttact gcgattcttt
 121 ctcaactatt attcga  aatccat tttctttttg
 181 aaaaaagaaa ataaaa tctgtatc ggaatacga
 241 tttttcctgt tgtttc caacatc ttctcgaacc
 301 tttctggaac gaatcc tggtaat gtaccagga
 361 ttttttcgga aaacta ctatgt tcgatatcaa
 421 agaaaggtaa ttcttg gaaatg gaaatcttat
 481 cttgtaaatt tctcgc ccaaag gattcgtcta
 541 aaccaattaa caactt aaatgt accaataaat
 601 actttcttag taagaa agatac tcgaatgaaa
 661 aaattcgata ccacag tagcaaa agctcaattc
 721 tgtactggat cagggc cttatc agattgggat
 781 attctggatc gctttggctg gatatgtaga aatctttttc attatcatag tggatcctcg

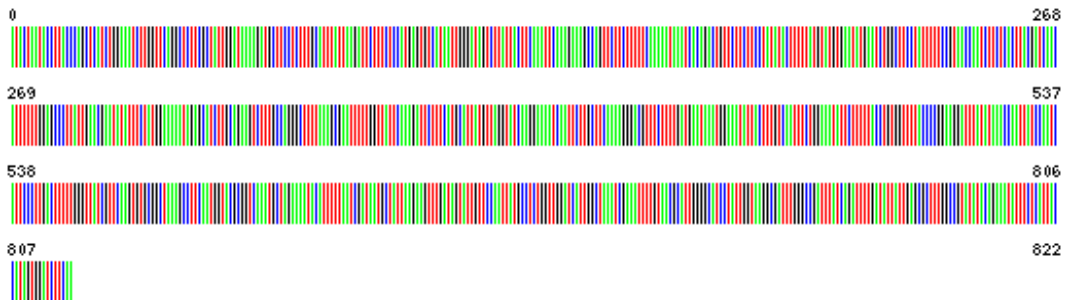


DNA passport of *Acmella oppositifolia* maturase K (matK) gene, partial cds; chloroplast

LOCUS JN228937 823 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228937
 SOURCE chloroplast *Acmella oppositifolia*
 ORGANISM [Acmella oppositifolia](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 asterids; campanulids; Asterales; Asteraceae; Asteroideae;
 Heliantheae alliance; Heliantheae; *Acmella*.
 REFERENCE 1 (bases 1 to 823)
 AUTHORS Mahadani, P. and Ghosh, S.K.
 TITLE Molecular identification of adulterated medicinal plants based on
 matK sequences
 JOURNAL Submitted (07-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..823
 /organism="Acmella oppositifolia"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP21"
 /db_xref="taxon:53715"
 /country="India"
 /collection_date="12-Dec-2009"
 /collected_by="P. Mahadani"
 /identified_by="G.D. Sharma"

ORIGIN

1	atactaatac cttaccac		c aggctcttcg ctattggata
61	aaagatgctt cctctttg		c atgagtgatca taattggat
121	agctttatta cttcaaat		tt ttcaaaaat aatcacaga
181	ctgttcttct tcctatat		g aatctggctt cctatttttc
241	cgtaaccaat cttctcac		g cccttattga acgaatata
301	ttctatggaa aaatagag		a gggcttttaa agcgaatttt
361	tggtatttca aagattct		c aaggaaaatc aattcttgct
421	tcaaaagggg cgtttctt		t actttgtcaa tttctggaaa
481	tattcttttt acctgtgg		a taaaccaatt atccaatcat
541	tcccttgact ttttgggt		a agccttcaat ggtacgcggt
601	caaatgctag aaaataca		a agaagtttga tagtattggt
661	ccaattatgc ctctgggt		t tttgtaacgc attggggcat
721	cctattggta aggcgattg		atattattga gcgctttggc



DNA passport of *Cajanus cajan* maturase K (*matK*) gene, partial cds; chloroplast

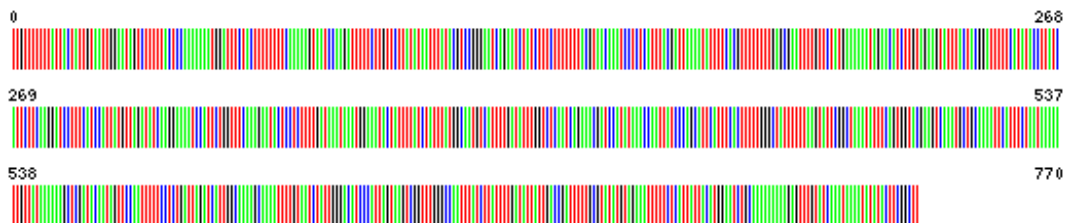
LOCUS JN228940 771 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228940
 SOURCE chloroplast *Cajanus cajan* (pigeon pea)
 ORGANISM *Cajanus cajan*
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 rosids; fabids; Fabales; Fabaceae; Papilionoideae; Phaseoleae;
Cajanus.
 REFERENCE 1 (bases 1 to 771)
 AUTHORS Mahadani, P. and Ghosh, S.K.
 TITLE Molecular identification of adulterated medicinal plants based on
 matK sequences
 JOURNAL Submitted (07-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..771
 /organism="Cajanus cajan"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP02"
 /db_xref="taxon:3821"
 /country="India"
 /collection_date="22-Aug-2009"
 /collected_by="P. Mahadani"
 /identified_by="G.D. Sharma"

ORIGIN

```

1 ttgttttttt attac
61 actttttttt caaaa
121 gaatcagaat ctatc
181 tttcacggtt ttttt
241 tttactacgg atttt
301 agatatcaag gaaaa
361 aaatactatt ttatc
421 atccatataa accaa
481 cggctaaata ttcca
541 gttataaaaa agctc
601 gcaaaaatgtt gtaat
661 tattttgata ttatt
721 gaatctgcaa aaaaaagag tttgtatcaa ataaaaatata tacttoggct t

```



DNA passport of *Justicia adatoda maturase K (matK)* gene, partial cds; chloroplast

LOCUS JN228938 836 bp DNA linear PLN 31-AUG-2011
 ACCESSION JN228938
 SOURCE chloroplast *Justicia adhatoda*
 ORGANISM [Justicia adhatoda](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; coreoeudicotyledons;
 asterids; lamiids; Lamiales; Acanthaceae; Acanthoideae; Ruellieae;
 Justiciinae; *Justicia*.
 REFERENCE 1 (bases 1 to 836)
 AUTHORS Mahadani, P. and Ghosh, S.K.
 TITLE Molecular identification of adulterated medicinal plants based on
 matK sequences

JOURNAL Submitted (07-JUL-2011) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India

FEATURES Location/Qualifiers
 source 1..836
 /organism="*Justicia adhatoda*"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP24"
 /db_xref="taxon:141317"
 /country="India"
 /collection_date="25-Mar-2011"
 /collected_by="P. Mahadani"
 /identified_by="Mridul M. Das"

ORIGIN

1	atactaatac	cccac		ccttcg	ctattggta
61	aaagatgcct	cttct		ctattg	taattggaat
121	actcttatta	gtatt		caaaaag	aatcaaga
181	ttttcttat	tctta		catttt	attctttta
241	cgtaaccaat	cttct		tcttga	acgaatctat
301	ttctatggaa	aaaca		taagga	tttccaggcg
361	aacstatggt	tggtc		tcaaag	aagattcatt
421	ttggcttcaa	aaggc		ttacct	tgtcactttt
481	tggcaatggc	atttt		tagaac	ccaattatcc
541	aatcatttct	ttaaa		caaacc	ttcagtggta
601	cggagccaaa	ttctc		taacaa	gttttatacc
661	cttattccga	ttatt		attttg	taatgtatta
721	gggcatccta	ttagt		taatat	tattgaccga



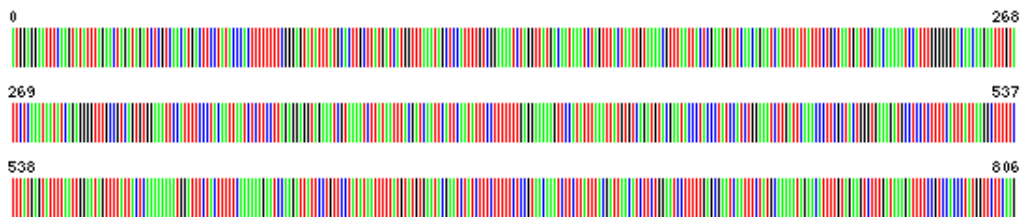
0 268
 269 537
 538 806
 807 835

DNA passport of *Senna hirsuta* maturase *K* (*matK*) gene, partial cds; chloroplast

LOCUS JQ582660 639 bp DNA linear PLN 09-MAY-2012
 ACCESSION JQ582660
 SOURCE chloroplast *Senna hirsuta*
 ORGANISM [Senna hirsuta](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 rosids; fabids; Fabales; Fabaceae; Caesalpinioideae; Cassieae;
 Senna.
 REFERENCE 1 (bases 1 to 639)
 AUTHORS Mahadani,P. and Ghosh,S.K.
 TITLE Identification of *Senna* through core DNA barcode sequence
 JOURNAL Submitted (30-JAN-2012) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..639
 /organism="Senna hirsuta"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP61"
 /db_xref="taxon:162906"
 /country="India"
 /collection_date="01-Jun-2010"
 /collected_by="P. Mahadani"
 /identified_by="Mridul M. Das"

ORIGIN

1	ataccctacc ctat	tcgctactg ggtgaaagat
61	gcctcctctt ttca	ttttaattg gaatagtttt
121	attactcaaa aaaa	tccaagatt attcctgttc
181	ctatataatt tta	ttttctccg taacaaatct
241	tcttatttac gatt	aatcaattt ctatgcaaaa
301	atagaacatt ttgt	caccctatg gttcttcaag
361	gaccctttca ttca	tctggcttc aaggaaaacg
421	ccctttttga tgaa	atggcaatg tcatttttat
481	gtttggtttc aacc	cgagcattc attttacttt
541	atgggttatt ttct	acggagtca aatgctggaa
601	aattcatttc taat	



DNA passport of *Senna obtusifolia* maturase K (*matK*) gene, partial cds; chloroplast

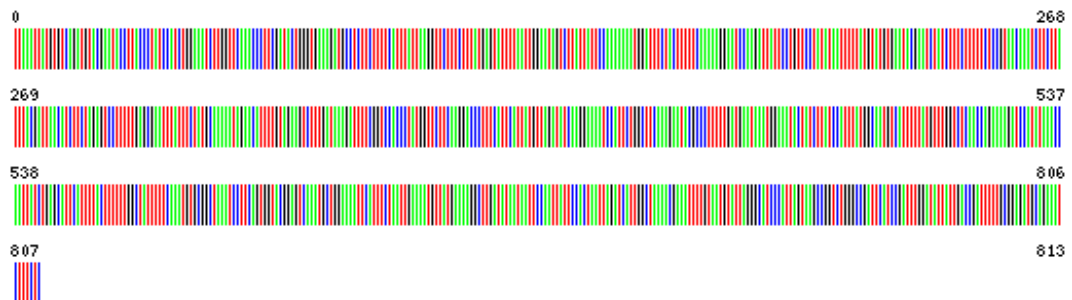
LOCUS JQ582661 634 bp DNA linear PLN 09-MAY-2012
 ACCESSION JQ582661
 SOURCE chloroplast *Senna obtusifolia*
 ORGANISM [Senna obtusifolia](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 rosids; fabids; Fabales; Fabaceae; Caesalpinioideae; Cassieae;
 Senna.
 REFERENCE 1 (bases 1 to 634)
 AUTHORS Mahadani, P. and Ghosh, S.K.
 TITLE Identification of *Senna* through core DNA barcode sequence
 JOURNAL Submitted (30-JAN-2012) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..634
 /organism="Senna obtusifolia"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP63"
 /db_xref="taxon:346985"
 /country="India"
 /collection_date="01-Jun-2010"
 /collected_by="P. Mahadani"
 /identified_by="Mridul M. Das"

ORIGIN

```

1 gtgtcagatg tacgaac tcttggttca aacccttcga
61 tactgggtga aagatg tctttcttta tgagtatttt
121 aattggaata gtctta ctttttcaaa aaggaatcca
181 agattattcc tgttcc acgaatctat ctttctttt
241 ctccgtaaca aatctt gagtcctttt tgagcgaatt
301 tatttctatg caaaaa atataagattt tcggtccacc
361 ctatggttct tcaagg atcaaggaaa atccattctg
421 gcttcaaaga atacgc actatcttat ccatttatgg
481 caatgtcatt tttatg atataaacca attatctgag
541 cattcatttt actttt caaatccttc agtggtagcg
601 agtcaaatgc tggaaa


```



DNA passport of *Crotalaria trichotoma* maturase K (*matK*) gene, partial cds; chloroplast

LOCUS JQ582662 796 bp DNA linear PLN 09-MAY-2012
 ACCESSION JQ582662
 SOURCE chloroplast *Crotalaria trichotoma*
 ORGANISM [Crotalaria trichotoma](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
 rosids; fabids; Fabales; Fabaceae; Papilionoideae; Crotalariaeae;
 Crotalaria.
 REFERENCE 1 (bases 1 to 796)
 AUTHORS Mahadani,P. and Ghosh,S.K.
 TITLE Identification of Senna through core DNA barcode sequence
 JOURNAL Submitted (30-JAN-2012) Biotechnology, Assam University (Central
 University), Durgakona, Silchar, Assam 788011, India
 FEATURES Location/Qualifiers
 source 1..796
 /organism="Crotalaria trichotoma"
 /organelle="plastid:chloroplast"
 /mol_type="genomic DNA"
 /isolate="A"
 /specimen_voucher="AUS-MP68"
 /db_xref="taxon:452830"
 /country="India"
 /collection_date="03-Aug-2010"
 /collected_by="P. Mahadani"
 /identified_by="Mridul M. Das"

ORIGIN

<p>1 gtgtcagatg cacgaatacc 61 tactgggtga aagatgcctt 121 aattggaata gtcttattac 181 agatttttct tgttcctata 241 ctaagtaata aatcgtctta 301 tatttctatg gaaaaataga 361 ttatcattct tcaaggatcc 421 gcttcaagga atgcgccctt 481 caatggtatt ttaatgtttg 541 cattcatttc accttttggg 601 agtcaaatgt tggaaaattc 661 gttccaacta ttcctcta 721 gacccatta gtaagccagc</p>		<p>tctgtggttca aacctttcga tgtttcttta tgagtattgt a ctttttcaaa aagtaatcta acgaatctat cttccttttt acgttctttt tgagagaatc ttaaggattt tttgtctact atcaaggaaa atactttttg attatcttat ccatttatgg aaataagcca attctcccag taaatctttc agcggtacgg tgaaaaagct cgatacaata aattttgtaa tgtattaggg ttgatattat tgaccgattt</p>
--	---	---

