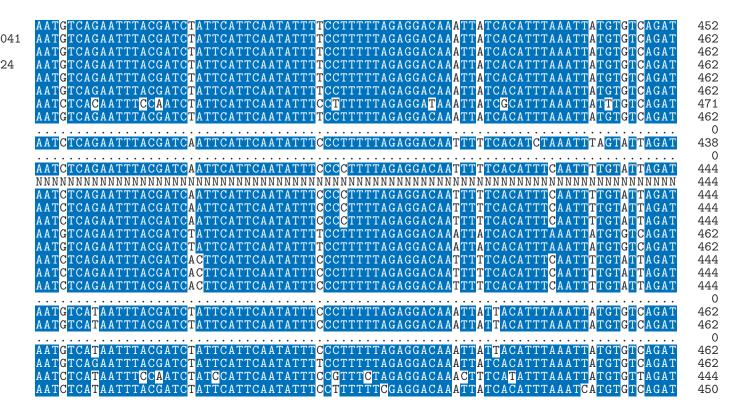
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	ATGGAAGAATTACAAGGATATTTAGAAAAAAGATAGATATCCGGCAACAACAACTTCCTATATCCGTTTCTTTTTCAGGAGTA
	ATGGRAGHATTAGARAGATATTTAGARARGAGTGTGGGGARGAGTGGGTTTGTTT
Vriesea incurvata KT346228	ATGGA <mark>A</mark> GAA <mark>TTA</mark> CAA <mark>G</mark> GATATTTA <mark>G</mark> AA <mark>AA</mark> AGA <mark>T</mark> AGATCTC <mark>GG</mark> CAACA <mark>AC</mark> ACTTCCTATATCC <mark>GT</mark> TT <mark>C</mark> TTTTTCAGGAGTA
Canistrum superbum AY950025	ATGGA <mark>A</mark> GAA <mark>TTA</mark> CAA <mark>G</mark> GATATTTA <mark>G</mark> AA <mark>AA</mark> AGA <mark>T</mark> AGATCTC <mark>GG</mark> CAACA <mark>AC</mark> ACTTCCTATATCC <mark>G</mark> CTT <mark>C</mark> TTTTTCAGGAGTA
Amborella trichopoda DQ185522	ATGGA <mark>G</mark> GAA <mark>TTACGAG</mark> GATATTTA <mark>G</mark> AA <mark>AT</mark> AGA <mark>T</mark> AGA <mark>CCC</mark> CATCAACA <mark>ACG</mark> CTTCCTATATCC <mark>G</mark> CTT <mark>C</mark> TATT <mark>C</mark> CAGGAGT <mark>C</mark>
Magnolia grandiflora JN867587	ATGGA <mark>G</mark> GAA <mark>TTACAAG</mark> GATATTTA <mark>G</mark> AA <mark>AT</mark> AGA <mark>T</mark> AGATCT <mark>A</mark> GGCAAC <mark>GAC</mark> ACTTCCTATATCC <mark>G</mark> CTT <mark>C</mark> TATTTCAGGAGTA

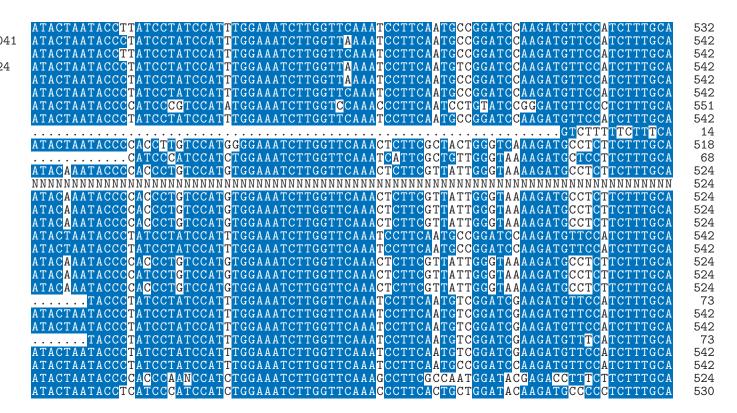
Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903	TATTTACGCCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTTTTACGAACCCGTGGAAATTATTG TATTTACGCGCGTTTGCTCACGATCATGGTTTAAAATGATTCGATTTTTTACGAACCCGTGGAAATTATTG TATTTACGCGCGTTTGCTCATGATCATGGTTTAAAATGATTCGATTTTTTACGAACCCGTGGAAATTATTG TATTTACGCGCGTTTGCTCATGATCATGGTTTAAAATGATTCGATTTTTTATGAACCCGTGGAAATTATTG TATTTACGCGGTTTGCTCATGATCATGGTTTAAAATGATTCGATTTTTTACGAACCCGTGGAAATTATTG TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTTTTACGAACCCGTGGAAATTATTG TATTTATGTATTTTCTTATGATCATGGTTTAAAATGATTCGATTTTTTATGAGCAAGAACCCGTAAAAATTTAAATCTTTTGG TATTTACGCGTTTTGCTCATGATCATGGTTTAAAATTTCGATTTTTTACGAACCCGTGGAAATTATTG	138 148 148 148 148 148 157 148
Erythrina speciosa KX213164 Lantana camara AF315303	TATTTATGCATTTGCTCATGATCGTGGTTTCAATAGATCTATTTTGTC	0 139
Macrocarpaea rubra KX904562		0
Nematanthus maculatus JX196027 Nematanthus fluminensis JX196020 Nematanthus fritschii JX196022 Nematanthus gregarius JX196023 Nematanthus sericeus JX196031 Nidularium innocentii KU702753 Nidularium procerum AY950013 Sinningia cooperi JX196079 Sinningia elatior JX196083 Sinningia glazioviana JX196085 Tillandsia geminiflora JN202273	TATTTATGCATTTGCTCATGATCATGGTTTCAATGGATCGATTTTGTC. GGAAAATCCGG TATTTATGCATTTGCTCATGATCAGGGTTTCAATAGATCGATTTTGTC. GGAAAATCCGG TATTTATGCATTTGCTCATGATCATGGTTTCAATAGATCGATTTTGTC. GGAAAATCCGG TATTTATGCATTTGCTCATGATCATGGTTTCAATAGATCGATTTTGTC. GGAAAATCCGG TATTTATGCATTTGCTCATGATCATGGTTTCAATAGATCGATTTTGTC. GGAAAATCCGG TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATCGATTTTTTACG. AACCCGT. GGAAAATCCGG TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTTTTACG. AACCCGT. GGAAAATTATTG TATTTATGTATTTGCTCATGATCATGGTTTCAATGATCGATTTTTTTACG. AACCCGT. GGAAAATCCGG TATTTATGTATTTGCTCCATGATCATGGTTTCCATAGATCGATTTTTGTC. GGAAAATCCGG TATTTATGTATTTGCTCCATGATCATGGTTTCCATAGATCGATTTTTGTC. GGAAAATCCCG TATTTATGTATTTGCTCCATGATCATGGTTTCCATAGATCGATTTTTGTC. GGAAAATCCCG	139 139 139 139 139 148 148 148 139 139
Tillandsia stricta KX754105 Vriesea carinata AY614033	TATTTATGCGTTTGCTCATGATCATGGTTTAAACGATTCGATTTTTTACGAACCCGTGGAAATTTTTTG TATTTATGCGTTTGCTCATGATCATGGTTTAAACGATTCAATTTTTTTT	148 148
Vriesea erythrodactylon JN202286 Vriesea incurvata KT346228 Canistrum superbum AY950025 Amborella trichopoda DQ185522 Magnolia grandiflora JN867587	TATTTATGCGTTTGCTCATGATCATGGTTTAAACGATTCAATTTTTTACGAACCCGTGGAAATTTTTTG TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTTTTATGAACCCGTGGAAATTATTG TATCTATGCACTTGCTCATAATCATGGTTTAAATGGATCAATTCTTTACGAACCCATGGAAGATTTAG TATCTACGCCACTTGCTCATGATCATGGTTTAAATGGATCGATTTTTTACGAACCCATGGAAAATTTCG	148 148 148 148

Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303 Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027 Rechmea distichantha var. glaziovii AY950041 GTTATGACAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGACAAGAATTATTTGATTAATTCG 228 GTTATGACAAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTGATTAATTCG 228 GTTATGACAAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTGATTAATTCG 228 CTTATGACAAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGATTAATTCG 228 CTTATGACAAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTTTTTT
Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303 Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027 Aechmea nudicaulis var. nudicaulis AY614024 GTTATGACAA AAAATCTAGTTCA GTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTTGATTAATTCG 228 GTTATGACAA AAAATCTAGTTCA GTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTTTTTT
Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303 Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027 GTTATGACAA AAAATCTAGTTCAGTACAGGTTTAATTATTCGAATGTATCAACAGAATTATTTGTTATTTCT GTTATGACAA AAAATCTAGTTCAGTACAGGTTTAATTATTCGAATGTATCAACAGAATTATTTTTTTT
Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303 Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027 GTTATGACAA AAAATCTAGTTCAGTACAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTTGTTATTTTCT GTTATGACAA AAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTTTTTT
Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303 Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027 GTTATGACAATAAATCTAGTTCAGTACAGTTTTAATTATTCTCAACAGAAATTATTCTTCTTATTTCTTCTTATTTCTTCTTATTTCTTC
Edmundoa lindenii var. rosea EU681903 GTTATGACAA AAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTGATTAATTA
Erythrina speciosa KX213164
Lantana camara AF315303 GTTATGACAATAAATCCAGTTTACTGATGATGTGAAAGGATTAATTTCTCGAATGTATCAACAGAACCATTTTCTTATTTCT 219 Macrocarpaea rubra KX904562
Lantana camara AF315303 GTTATGACAATAAATCCAGTTTACTGAAAAGGATTAAATTTCTCGAATGTATCAACAGAACCATTTTCTTATTTCT 219 Macrocarpaea rubra KX904562
Nematanthus maculatus JX196027 GTTATGACAATAAATCCAGTTTACTGAAAACGGTTAATTACTCAAAATGTATCAACAGAATAATCTTCTTATTTCT 219
Nematanthus maculatus JX196027 GTTATGACAATAAATCCAGTTTACTGATTGTGAAACGGTTAATTACTCAAAATGTATCAACAGAATAATCTTCTTATTTCT 219
Nematanthus fluminancis IV196020 GTTATCACAATAATCGACATTMAGTCAATCCAAACACTTTAATTACTCAAATAATCTTAATTACTTAATTACTTAATCAAAAATCTTATTA
Weild difficultive is a straightful transfer of the first
Nematanthus fritschii JX196022 GTTATGACAATAAATCCAGTTTACTGACAACGGTTAATTACTCAACAGAATAATCTTCTTATTCT 219
Nematanthus gregarius JX196023 GTTATGACAATAAATCCAGTTTACTGACAACGGTTAATTACTCAACAGAATAATCTTCTTATTCT 219
Nematanthus sericeus JX196031 GTTATGACAATAAATCCAGTTTACTGACAGCGTTAATTACTCAACCGAATAATCTTCTTATTCT 219
Nidularium innocentii KU702753 GTTATGACAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTGATTAATTA
Nidularium procerum AY950013 GTTATGACAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTGATTAATTA
Sinningia cooperi JX196079 GTTATGACAATAAATCCAGTTTACTGAAAACGGTTAATTACTCAAAATGTATCAACAGAATAATCTTATTATTTCT 219
Sinningia elatior JX196083 GTTATGACAATAAATCCAGTTTACTGAAAACGGTTAATTACTCAAAATGTATCAACAGAATAATCTTATTATTTCT 219
Sinningia glazioviana JX196085 GTTATGACAATAAATCCAGTTTACTGACAACGGTTAATTACTCAACAGAATAATCTTATTATTTCT 219
Tillandsia geminiflora JN202273
Tillandsia stricta KX754105 GTTATGACAATAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTAATTAA
Vriesea carinata AY614033 GTTATGACAATAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTGATTAATTTG 228
Vriesea erythrodactylon JN202286
Vriesea incurvata KT346228 GTTATGACAATAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTGATTAATTA
Canistrum superbum AY950025 GTTATGACAAAAAATCTAGTTCAGTACTTGTGAAACGTTTAATTATTCGAATGTATCAACAGAATTATTTTGATTAATTA
Amborella trichopoda DQ185522 GTCATGACAAGAAATCCAGTTCACTAAAAGGTTTAATTATTCAAAAGGAATCAGTATTCATCATCATTATTCA 228
Amborella trichopoda DQ185522 GTCATGACAAGAAATCCAGTTCACTAAATGTAAAACGTTTAATTATTCAAAATGTATCAACAGAATCATTTCATCATTTCA Magnolia grandiflora JN867587 GTTATGACAATAAATCCAGTTCACTAATTGTGAAACGTTTAATTACTCGAATGCATCAACAGAATCATTTGATTCGTTCG

Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903	GTTAATTATTCTAACCAAAATCGATTCGTTGGGCACACACTTTTTTTT	298 308 308 308 308 308 317 308
Erythrina speciosa KX213164		0
Lantana camara AF315303 Macrocarpaea rubra KX904562	CCTAATGATTGGAACCAAAATCCATTTTGGGTGCGCAACAGGAATTTCTATT	287
Nematanthus maculatus JX196027	CCTAATGATTCTAATAAAAATCCATTTTTGGGGCGCAACAAGAACTTGTATT	287
Nematanthus fluminensis JX196020	CCTAATGATTCTAATAAAAATCCATTTTTGGGGGCGCAACAAGAACTTGTATT	287
Nematanthus fritschii JX196022	CCTAATGATTCTAATAAAAATCCATTTTTGGGGGCGCAACAAGAACTTGTATTCTCGAATCATATCAGA	287
Nematanthus gregarius JX196023	CCTAATGATTCTAATAAAAATCCATTTTTGGGGGCGCAACAAGAACTTGTATTCTCGAATCATATCAGA	287
Nematanthus sericeus JX196031	CCTAATGATTCTAATAAAAATCCATTTTTGGGGGCGCAACAAGAACTTGTATTCTCGAATCATATCAGA	287
Nidularium innocentii KU702753	GTTAAT <mark>T</mark> ATTCTAA CC AAAATC <mark>G</mark> ATTCGTTGGGC <mark>A</mark> CAACA <mark>CTTATTTT</mark> TATTCTCATTTTTTTTCTC A GATGATATCAGA	308
Nidularium procerum AY950013	GTTAAT <mark>T</mark> ATTCTAACCAAAATC <mark>G</mark> ATT <mark>CGTT</mark> GGGC <mark>A</mark> CAACA <mark>CTT</mark> ATTT T TATT CTCATT TTTTTTCTCA <mark>G</mark> AT <mark>G</mark> ATATCAGA	308
Sinningia cooperi JX196079	CCTAATGATTCTAATCAAAATCCGTTTTTGGGGGCGCAACAAGAACTTGTATTCTCAAATCATATCAGA	287
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Sinningia glazioviana JX196085	CCTAATGATTCTAATAAAAATCCGTTTTTGGGGGCGCAACAAGAACTTGTATT	287
Tillandsia geminiflora JN202273		0
Tillandsia stricta KX754105	GTTAATTATTCTAACCAAAATCGATTCGTTGGGCACAACAATTATTTTTATTCTCATTTTTTTT	308
Vriesea carinata AY614033	GTTAAT <mark>TATTCTAACCAAAATCG</mark> ATT <mark>CGTT</mark> GGGC <mark>A</mark> CAACA <mark>ATT</mark> ATTT T TATT C TCATTTTTTTTCTCA <mark>G</mark> AT <mark>G</mark> ATATCAGA	308
Vriesea erythrodactylon JN202286		0
Vriesea incurvata KT346228	GTTAATTATTCTAACCAAAATCGATTCGTTGGGCACAACAATTATTTTTTTT	308 308
Canistrum superbum AY950025	GTTAATTATTCTAACCAAAATCGATTCGTTGGGCACACACTTATTTTTTTT	296
Amborella trichopoda DQ185522 Magnolia grandiflora JN867587	TTTAATGATTCTAACCAAAAT <mark>AG</mark> ATTTCT <mark>T</mark> GGGCATA <mark>G</mark> CAGGAATTCTTATTTTCAAATGGTATCAGA GTTAATGATTC <mark>C</mark> AACGAAAATAGATTCGTTGGGCA <mark>CAACAAGAATTTTAATTTTCAAATGG</mark> TATCAGA	296

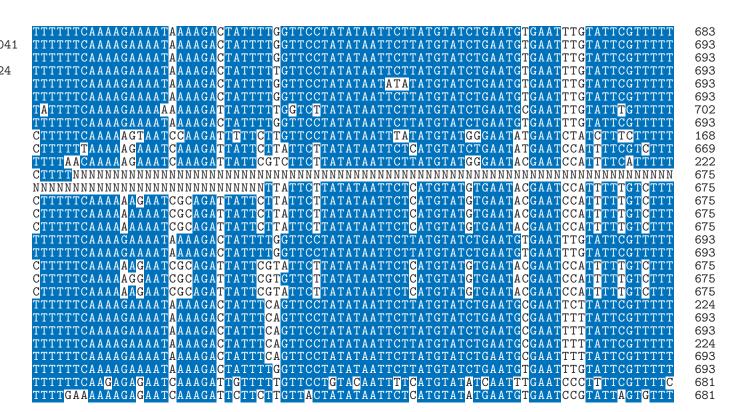
Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303	AGGTTTTGCGATCATTGTGGAAATTCCATTCTCGCTGCGATTAGTATCTTTT	372 382 382 382 382 382 391 382 0 358
Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027 Nematanthus fluminensis JX196020 Nematanthus fritschii JX196022 Nematanthus gregarius JX196023 Nematanthus sericeus JX196031 Nidularium innocentii KU702753 Nidularium procerum AY950013 Sinningia cooperi JX196079 Sinningia elatior JX196083 Sinningia glazioviana JX196085	GGGGTTTGTATTTATTGTGGAAATCCCATTTTCTCTAAGATTAATATCTTCTGGGAAAAAGAAAAAAAAAA	364 364 364 364 364 382 382 364 364
Tillandsia geminiflora JN202273 Tillandsia stricta KX754105 Vriesea carinata AY614033 Vriesea erythrodactylon JN202286 Vriesea incurvata KT346228 Canistrum superbum AY950025 Amborella trichopoda DQ185522 Magnolia grandiflora JN867587	AGGTTTTGCGGTCATTGTGGAAATTCCATTCTCGCTGCGATTAGTATCTTTTCCCGAAGAAAAAGAA.ATACCAAAGGTTTTTGCGGTCATTGTGGAAATTCCATTCTCGCTGCGATTAGTATCTTTTCCCGAAGAAAAAGAA.ATACCAAAGGTTTTTGCGGTCATTGTGGAAATTCCATTCTCGCTGCGATTAGTATCTTTTCCCGAAGAAAAAGAA.ATACCAAAGGTTTTGCGATCATTGTGGAAATTCCATTCTCGCTGCGATTAGTATCTTTTCCCGAAGAAAAAGAA.ATACCAAAGGTTTTGCGATCATTGTGGAAATTCCATTCTCGCTGCGATTAGTATCTTTTCCCGAAGAAAAAGAA.ATACCAAAGGGTTTTGCCAGTAATTGTGGAAATTCCATTCTCGATGCGATTAGTATCTTCCAAAAA.GGAATCTGGGGTTTTTGCAGTATCTTTCCTAGAAAAAGAA.ATAGCAAAAGGAAAAAGAA.ATAGCAAAAGGAAAAAGAAAAG	382 382 0 382 382 364 370

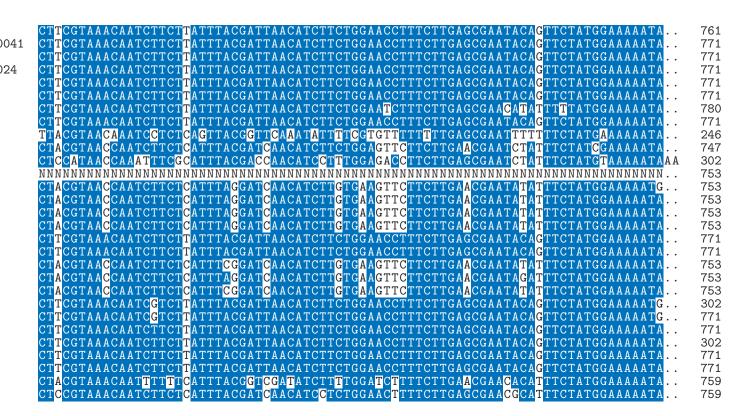




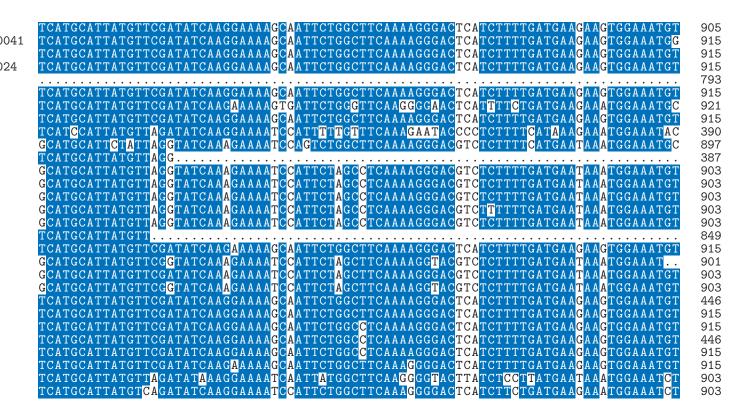
Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045
Edmundoa lindenii var. rosea EU681903
Erythrina speciosa KX213164 Lantana camara AF315303
Macrocarpaea rubra KX904562
Nematanthus maculatus JX196027
Nematanthus fluminensis JX196020
Nematanthus fritschii JX196022
Nematanthus gregarius JX196023
Nematanthus sericeus JX196031
Nidularium innocentii KU702753
Nidularium procerum AY950013
Sinningia cooperi JX196079
Sinningia elatior JX196083
Sinningia glazioviana JX196085
Tillandsia geminiflora JN202273
Tillandsia stricta KX754105
Vriesea carinata AY614033
Vriesea erythrodactylon JN202286 Vriesea incurvata KT346228
Canistrum superbum AY950025
Amborella trichopoda DQ185522
Magnolia grandiflora JN867587

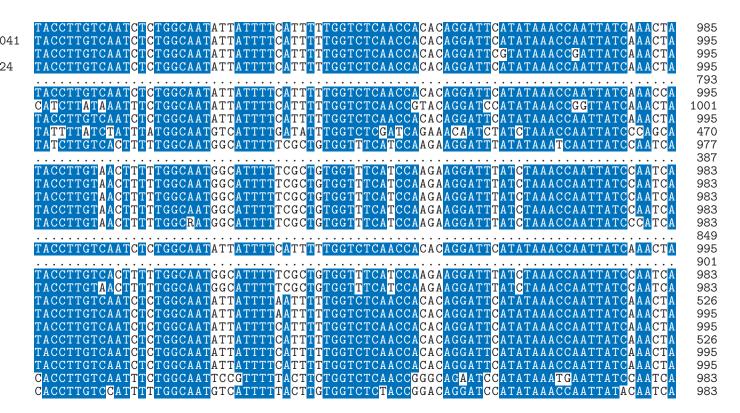
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TTTATTGCGATTCTTTCTCCACGA ${f A}$ TATCATAAT ${f T}$ GGAATAGTCTCATTACT \dots CC ${f G}$ AAGAAATC ${f A}$ ATTT \dots AC ${f G}$	613
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TTTATTGCGATTCTTTCTCCACGA <mark>A</mark> TATCATAATTGGAATAGTCTCATTACTCC <mark>G</mark> AAGAAATC <mark>A</mark> ATTTACG	613
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TTTATTGCGATTCTTTCTCCACGA <mark>A</mark> TATCATAATTGGAATAGTCTCATTACTCC <mark>G</mark> AAGAATCAATTTATG	144
TTTATTGCGATTCTTTCTCCACGA <mark>A</mark> TATCATAATTGGAATAGTCTCATTACT <mark></mark> CC <mark>G</mark> AAGAAATC <mark>A</mark> ATTT <mark>ATG</mark>	613
TTTATTGCGATTCTTTCTCCACGA <mark>A</mark> TATCATAATTGGAATAGTCTCATTACT <mark></mark> CC <mark>G</mark> AAGAAATC <mark>A</mark> ATTT <mark>ATG</mark>	613
TTTATTGCGATTCTTTCTCCACGA <mark>A</mark> TATCATAATTGGAATAGTCTCATTACTCC <mark>G</mark> AAGAAATC <mark>A</mark> ATTTATG	144
TTTATTGCGATTCTTTCTCCACGAATATCATAATTGGAATAGTCTCATTACTCCGAAGAAATCAATTTATG	613
TTTATTGCGATTCTTCTCCACGAATATCATAATTGGAATAGTCTCATTACTCCGAAGAAATCAATTTAGG	613
TTTATTGCGGTTTTTTCTCCACGAACATCAGAATTGGAATAGTTTCATTACTACAAAKACAAAKAAATGCAGTTCTT	601
TTTATTGCGATTCTTTCTCCACGA <mark>G</mark> TATC <mark>G</mark> TAATT <mark>C</mark> GAATAGTCTCATTACTCC <mark>A</mark> AAGAAATC <mark>C</mark> ATTTCTC	601

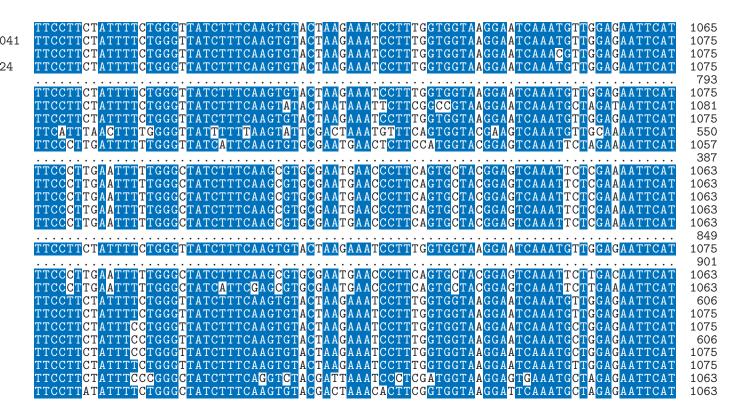




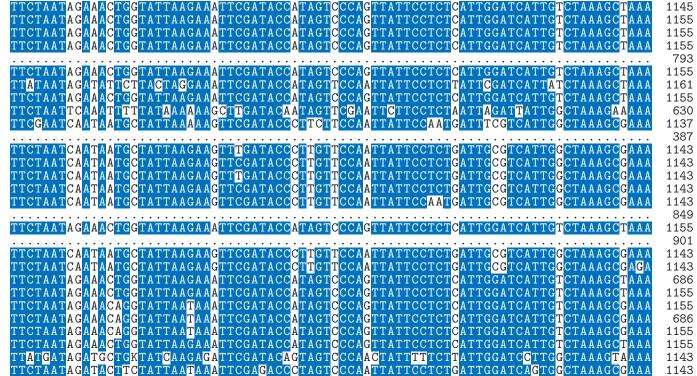
Aechmea organensis JF295090	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	825
Aechmea distichantha var. glaziovii AY950041	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	835
Aechmea gamosepala EU681835	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	835
Aechmea nudicaulis var. nudicaulis AY614024	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGAATCCTT	835
Aechmea vanhoutteana KJ580004	GAACATCTTATAGTAGTGTACC	793
Billbergia amoena JX649243	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	835
Canna paniculata KP083045	GAACATCTTGTAGT <mark>GTGCCGA</mark> AATTTTTTTAAGAAAACTCTATGG <mark>G</mark> TCTTCAAGGATCCTT	841
Edmundoa lindenii var. rosea EU681903	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	835
Erythrina speciosa KX213164	GAACATCTTTTAGAAATATCTGCTAAGGATTGTTTATATACCTTATCATTCTTTAAGGATCCTT	310
Lantana camara AF315303	AAACGTCTTGTGAACGTCTTTCTTAAGGTTAAGGATTTTCAGGCAAACCTGTGCTTGGGCAACCAAC	817
Macrocarpaea rubra KX904562	$\texttt{AATC} \\ \texttt{GAA} \\ \texttt{G} \\ \texttt{GCCTT} \\ \\ \texttt{GCCAA} \\ \texttt{AACCTTTT} \\ \texttt{GCTAA} \\ \\ \texttt{GGACTTTC} \\ \texttt{GGACTAACCCATGGTTGTTCAAAGATCCTG} \\$	370
Nematanthus maculatus JX196027	\dots $\overline{\text{NNN}}$ $\overline{\text{NNNNNN}}$ $\text{NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN$	823
Nematanthus fluminensis JX196020	GAACGTCTTGTGAATGTCTTTGTTAAGGTTAAGGGTTTTCAGACGAACCTATGGTTGGT	823
Nematanthus fritschii JX196022	GAACGTCTTGTGAATGTCTTTGTTAAGGTTAAGGGTTTTCAGACGAACCTATGGTTGGT	823
Nematanthus gregarius JX196023	GAACGTCTTGTGAATGTCTTTGTTAAGGTTAAGGGTTTTCAGACGAACCTATGGTTGGT	823
Nematanthus sericeus JX196031	GAACGTCTTGTGAATGTCTTTGTTAAGGTTAAGGGTTTTCAGACGACCTATGGTTGGT	823
Nidularium innocentii KU702753	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	835
Nidularium procerum AY950013	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	835
Sinningia cooperi JX196079	GAACGTCTTGTGAACGTCTTTGTTAAGGTTAAGGGTTTTCAGACGAACCTATGGTTGGTCAAGGAACCTC	823
Sinningia elatior JX196083	\dots GAACGTCTT \dots GTGA $\overline{ ext{AG}}$ CTTTGTTAAGATTAAGGGTTTTCAGACGAACCTATGGTTGGT	823
Sinningia glazioviana JX196085	GAACGTCTTGTGAACGTCTTTGTTAAGGTTAAGGGTTTTCAGACGAACCTATGGTTGGT	823
Tillandsia geminiflora JN202273	GAACATCTTATAGTAGTGTACCATAACTATTTTAAGAAAACTTTATGGTTTTTTACGGATCCTT	366
Tillandsia stricta KX754105	GAACATCTTATAGTAGTGTACCATAACTATTTTAAGAAAACTTTATGGTTTTTTACGGATCCTT	835
Vriesea carinata AY614033	GAACATCTTATAGTAGTGTACCGTAACTATTTTCAGAAAACTTTATGGTTTTTTACGGAATCCTT	835
Vriesea erythrodactylon JN202286	GAACATCTTATAGTAGTGTACCGTAACTATTTTCAGAAAACTTTATGGTTTTTTACGGAATCCTT	366
Vriesea incurvata KT346228	GAACATCTTATAGTAGTGTACCGTAACTATTTTCAGAAAACTTTATGGTTTTTTACGGAATCCTT	835
Canistrum superbum AY950025	GAACATCTTATAGTAGTGTACCGTAATTATTTTCAGAAAACTTTATGGTTCTTCACGGATCCTT	835
Amborella trichopoda DQ185522	GAAAATTTTGTAGTATCCATGCGTAATCATTCTCAGAATATTTTATGGTTGTTCAAGGACCTTT	823
Magnolia grandiflora JN867587	GAACATCTTGTAGTAGTGCTTCGTAATGATTTTCAGAAGAACCTATGGTTGTTCAAGGGACCCTT	823







Aechmea organensis JF295090	TTCTAATAGAAACTGGTATTAAGAAATTCGATACCATAC
Aechmea distichantha var. glaziovii AY950041	TTCTAAT <mark>AG</mark> AAACTGGTATTAAGAA <mark>A</mark> TTCGATACC <mark>A</mark> TAC
Aechmea gamosepala EU681835	TTCTAAT <mark>AGAAAC</mark> TG <mark>G</mark> TATTAAGAA <mark>A</mark> TTCGATACC <mark>A</mark> TAC
Aechmea nudicaulis var. nudicaulis AY614024	TTCTAAT <mark>AGAAAC</mark> TG <mark>G</mark> TATTAAGAA <mark>A</mark> TTCGATACC <mark>A</mark> TAC
Aechmea vanhoutteana KJ580004	
Billbergia amoena JX649243	TTCTAATAGAAACTGGTATTAAGAAATTCGATACCATAC
Canna paniculata KP083045	TTATAATAGATATTCTTACTAGGAAATTCGATACCATAC
Edmundoa lindenii var. rosea EU681903	TTCTAAT <mark>AG</mark> AAA <mark>C</mark> TG <mark>G</mark> TATTAAGAAATTCGATACCATA
Erythrina speciosa KX213164	TTCTAATTCAAATTTTTATAAAAAAGCTTGATACAATA
Lantana camara AF315303	TTCGAATCAATAATGCTATTAAAAAGTTCGATACCCTTC
Macrocarpaea rubra KX904562	
Nematanthus maculatus JX196027	TTCTAATCAATAATGCTATTAAGAAGTTTGATACCCTT
Nematanthus fluminensis JX196020	TTCTAAT <mark>CA</mark> ATA <mark>A</mark> TG <mark>C</mark> TATTAAGAAGTTCGATACC <mark>C</mark> TT
Nematanthus fritschii JX196022	TTCTAAT <mark>CA</mark> ATA <mark>A</mark> TG <mark>C</mark> TATTAAGAA <mark>G</mark> TT T GATACC <mark>C</mark> TT
Nematanthus gregarius JX196023	TTCTAAT <mark>CA</mark> ATA <mark>A</mark> TG <mark>C</mark> TATTAAGAAGTTCGATACC <mark>C</mark> TT
Nematanthus sericeus JX196031	TTCTAAT <mark>CA</mark> ATA <mark>A</mark> TG <mark>C</mark> TATTAAGAAGTTCGATACC <mark>C</mark> TT
Nidularium innocentii KU702753	
Nidularium procerum AY950013	TTCTAATAGAAACTGGTATTAAGAAATTCGATACCATAC
Sinningia cooperi JX196079	
Sinningia elatior JX196083	TTCTAATCAATAATGCTATTAAGAAGTTCGATACCCTT
Sinningia glazioviana JX196085	TTCTAAT <mark>CA</mark> ATA <mark>A</mark> TG <mark>C</mark> TATTAAGAA <mark>G</mark> TTCGATACC <mark>C</mark> TT
Tillandsia geminiflora JN202273	TTCTAATAGAAACTGGTATTAAGAAATTCGATACCATA
Tillandsia stricta KX754105	TTCTAATAGAAACTGGTATTAAGAAATTCGATACCATAC
Vriesea carinata AY614033	TTCTAATAGAAACAGGTATTAATAAATTCGATACCATAC
Vriesea erythrodactylon JN202286	TTCTAATAGAAACAGGTATTAATAAATTCGATACCATAC
Vriesea incurvata KT346228	TTCTAATAGAAACAGGTATTAATAAATTCGATACCATAC
Canistrum superbum AY950025	TTCTAATAGAAACTGGTATTAAGAAATTCGATACCATAC
Amborella trichopoda DQ185522	TTATGATAGATGCTGKTATCAAGAGATTCGATACAGTAC
Magnolia grandiflora JN867587	TTCTAATAGATACTTCTATTAATAAATTCGAGACCCTAC

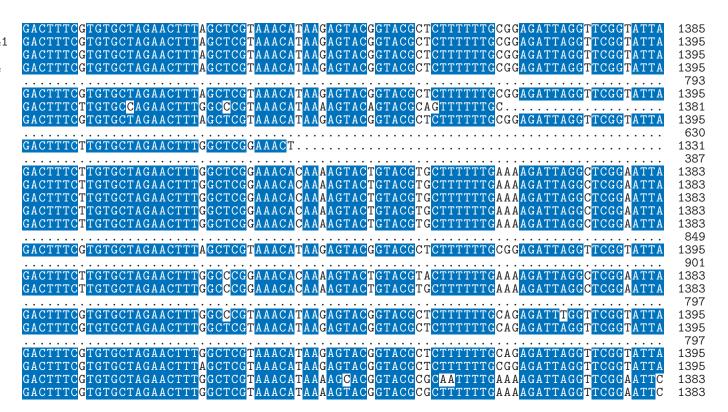


Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303 Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027 Nematanthus fluminensis JX196020 Nematanthus fritschii JX196022 Nematanthus gregarius JX196023 Nematanthus sericeus JX196031 Nidularium innocentii KU702753	$\frac{T}{T} \frac{T}{T} \cdot \frac{T}{T} \cdot \frac{T}{T} T$
Nidularium procerum AY950013 Sinningia cooperi JX196079	T
Sinningia elatior JX196083	T
Sinningia glazioviana JX196085	Т
Tillandsia geminiflora JN202273	Т
Tillandsia stricta KX754105	T
Vriesea carinata AY614033	Т
Vriesea erythrodactylon JN202286 Vriesea incurvata KT346228	T
Canistrum superbum AY950025	T
Amborella trichopoda DQ185522	T
Magnolia grandiflora JN867587	TTTTTTTTT



Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACCGGAGTTTGTATCGAATAAAGTATATACTTA TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACCGGAGTTTGTATCGAATAAAGTATATACTTA	1305 1315 1315 1315 793
Billbergia amoena JX649243	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCTGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA	1315
Canna paniculata KP083045	TCGGATATGTAGAAATCTTTCTCACTATCACAGTGGATCCTCAAAAAAACAGAGTTTGTATCGAATGAAGAATATACTTC	1321
Edmundoa lindenii var. rosea EU681903	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA	1315
Erythrina speciosa KX213164		630
Lantana camara AF315303	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGGATCTTCCAAAAAAGGGGAGTTTGTATCGAAATCAAGTATATACTTC	1297
Macrocarpaea rubra KX904562 Nematanthus maculatus JX196027	GCGTATATGCAGAAATCTTTCTCATTATCACAGGGGATCTTCCAAAAAAAA	387
Nematanthus macuratus JX196027 Nematanthus fluminensis JX196020	GCGTATATGCAGAAATCTTTCTCATTATCACAGCGGATCTTCCAAAAAAAA	1303 1303
Nematanthus fritschii JX196022	GCGTATATGCAGAAATCTTTCTCATTATCACAGCGGATCTTCCAAAAAAAA	1303
	GCGTATATGCAGAAATCTTTCTCATTATCACAGCGGATCTTCCAAAAAAAA	1303
Nematanthus gregarius JX196023 Nematanthus sericeus JX196031	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGGATCTTCCAAAAAAAA	1303
Nidularium innocentii KU702753		849
Nidularium procerum AY950013	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA	1315
Sinningia cooperi JX196079	1 COUNTRICE TO THE TOTAL TO THE COUNTRICE TO THE COUNTRIC	901
Sinningia elatior JX196083	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGATCTTCCAAAAAAAA	1303
Sinningia glazioviana JX196085	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGATCTTCCAAAAAAAA	1303
Tillandsia geminiflora JN202273	TCGGATATGTAGAAATCTTTCTCATTATCAT	797
Tillandsia stricta KX754105	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA	1315
Vriesea carinata AY614033	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA	1315
Vriesea erythrodactylon JN202286	TCGGATATGTAGAAATCTTTCTCATTATCAT	797
Vriesea incurvata KT346228	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA	1315
Canistrum superbum AY950025	TCGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCCTCCGAAAAACGGAGTTTGTATCGAATAAAGTATATACTTA	1315
Amborella trichopoda DQ185522	GCGGATATGCAGAAATCTCTCATTATCACAGTGGGTCCTACAAAAAACACAGTTTGTGTCGAATAAAATATATACTTC GCGGATATACAGAAATCTTTCTCATTATCACAGTGGATCCTCAAAAAAACAGACTTTGTATCGAATAAAGTATATACTTC	1303
Magnolia grandiflora JN867587	GCGGATAT <mark>ACAGAAATCTT</mark> TCTCATTATCACAG <mark>T</mark> GGATC <mark>CTCAAAAAAACAGAC</mark> TTTGTATC <mark>G</mark> AATAAAGTATATA <mark>C</mark> TTC	1303

Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY95004 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004 Billbergia amoena JX649243 Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903 Erythrina speciosa KX213164 Lantana camara AF315303
Macrocarpaea rubra KX904562
Nematanthus maculatus JX196027
Nematanthus fluminensis JX196020
Nematanthus fritschii JX196022
Nematanthus gregarius JX196023
Nematanthus sericeus JX196031
Nidularium innocentii KU702753
Nidularium procerum AY950013
Sinningia cooperi JX196079
Sinningia elatior JX196083
Sinningia glazioviana JX196085
Tillandsia geminiflora JN202273
Tillandsia stricta KX754105
Vriesea carinata AY614033
Vriesea erythrodactylon JN202286
Vriesea incurvata KT346228
Canistrum superbum AY950025
Amborella trichopoda DQ185522
Magnolia grandiflora JN867587



Aechmea organensis JF295090 Aechmea distichantha var. glaziovii AY950041 Aechmea gamosepala EU681835 Aechmea nudicaulis var. nudicaulis AY614024 Aechmea vanhoutteana KJ580004	TTAGAAGAATTTTTTACGGAAGAAGAACAAGTTCTTTCTTTGATCTTCCCCAAACCAACC	455 465 465 465 793
Billbergia amoena JX649243		471
Canna paniculata KP083045 Edmundoa lindenii var. rosea EU681903	AAGAATICIIIIACAGAAGAAGAAGAAGAAGTICIIITCIIIGAICIIIICOAAAAAATAACIIIIIIIIIIIIIIIIIIIII	451 465
Erythrina speciosa KX213164	TIAGAAGAATIIIIIAGGGAAGAAGAAGAITCIIIGAIGIICCGCAAACGAAGCGCIIIIIGII 14	405 630
Lantana camara AF315303		331
Macrocarpaea rubra KX904562		387
Nematanthus maculatus JX196027		450
Nematanthus fluminensis JX196020	TTGGAAGAATTTCTTATGTCGGAAGAAGACGTTCTTTCTTTTACCTTCCCAAAAGCTTCTTCCGCTT 14	450
Nematanthus fritschii JX196022		450
Nematanthus gregarius JX196023		450
Nematanthus sericeus JX196031		450
Nidularium innocentii KU702753		849
Nidularium procerum AY950013		465
Sinningia cooperi JX196079		901
Sinningia elatior JX196083 Sinningia glazioviana JX196085		450 450
Tillandsia geminiflora JN202273	TIGGRAGAATITICITAIGICGGAAGAAGAGTICITICITITIACCTITICOAAAAGCTICITICCGCTI	430 797
Tillandsia stricta KX754105		465
Vriesea carinata AY614033		465
Vriesea erythrodactylon JN202286		797
Vriesea incurvata KT346228		465
Canistrum superbum AY950025		465
Amborella trichopoda DQ185522		446
Magnolia grandiflora JN867587	TTGGAGGAATTCCTTACAGAGGAAGAACAAGTTCTTTCTTTGATCTTCCAAAGAACCTCTTCTCCTT 14	450

