

Aechmea organensis JF295090	.....TACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	70
Aechmea distichantha var. glaziovii AY950041	ATGGAAGAATTACAGGGATATTTAGAAAAAGATAGATCTCGGCAACAGCACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Aechmea gamosepala EU681835	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Aechmea nudicaulis var. nudicaulis AY614024	ATGGACGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Aechmea vanhoutteana KJ580004	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Billbergia amoena JX649243	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Canna paniculata KP083045	...GAAGAATTACAAGGATATTGTCAAAAAAATGATCTCGGCAACAACACTTTCTATATCCAATTCTTTCAAGAGTA	77
Edmondoa lindenii var. rosea EU681903	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Erythrina speciosa KX213164	.....	0
Lantana camara AF315303	ATGGAGGAAATCCAAAGATATTTTCAAACTAGAGAGATCTGAAAGCAGCACTTCCTATATCCACTTATCTTTCAAGAGTA	80
Macrocarpaea rubra KX904562	.....	0
Nematanthus maculatus JX196027	ATGGAGGAAATCAAAAAGATACCTTACAGCTAGAGAGATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Nematanthus fluminensis JX196020	ATGGAGGAAATCAAAAAGATATTTACAGCTAGAGAGATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Nematanthus fritschii JX196022	ATGGAGGAAATCAAAAAGATATTTACAGCTAGAGAGATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Nematanthus gregarius JX196023	ATGGAGGAAATCAAAAAGATATTTACAGCTAGAGAGATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Nematanthus sericeus JX196031	ATGGAGGAAATCAAAAAGATATTTACAGCTAGAGAGATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Nidularium innocentii KU702753	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Nidularium procerum AY950013	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Sinningia cooperi JX196079	ATGGAGGAAATCAAAAAGATATTTACAGCTAGAGAGATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Sinningia elatior JX196083	ATGGAGGAAATCAAAAAGATATTTACAGCTAGAGAAATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Sinningia glazioviana JX196085	ATGGAGGAAATCAAAAAGATATTTACAGCTAGAGAGATCTCAAACAATGACTTCTATATCCACTTATCTTTTCAGGAGTA	80
Tillandsia geminiflora JN202273	.....	0
Tillandsia stricta KX754105	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGTTTCTTTTCAGGAGTA	80
Vriesea carinata AY614033	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGTTTCTTTTCAGGAGTA	80
Vriesea erythrodactylon JN202286	.....	0
Vriesea incurvata KT346228	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGTTTCTTTTCAGGAGTA	80
Canistrum superbum AY950025	ATGGAAGAATTACAAGGATATTTAGAAAAAGATAGATCTCGGCAACAACACTTCCTATATCCGCTTCTTTTCAGGAGTA	80
Amborella trichopoda DQ185522	ATGGAGGAATTACGAGGATATTTAGAAATAGATAGACCCCATCAACAACGCTTCCTATATCCGCTTCTATTCCAGGAGTC	80
Magnolia grandiflora JN867587	ATGGAGGAATTACAAGGATATTTAGAAATAGATAGATCTAGGCAACGACACTTCCTATATCCGCTTCTATTTCAGGAGTA	80

Aechmea organensis JF295090	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	138
Aechmea distichantha var. glaziovii AY950041	TATTTACGCGTTTGCTCAGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	148
Aechmea gamosepala EU681835	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	148
Aechmea nudicaulis var. nudicaulis AY614024	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TATG.....AACCCGT.....GGAAAT	TATTG	148
Aechmea vanhoutteana KJ580004	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	148
Billbergia amoena JX649243	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	148
Canna paniculata KP083045	TATTTATGTAATTTTCTTATGATCGCGTTTAAATAGTTCGATTTT	TATGAGCAAGAACCCGTAAATTTAAATC	TTTG	157
Edmundoa lindenii var. rosea EU681903	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	148
Erythrina speciosa KX213164				0
Lantana camara AF315303	TATTTATGCAATTTTGCTCATGATCGTGGTTTCAATAGATCTTATTTT	GTC.....GGAAAA	TCCGG	139
Macrocarpaea rubra KX904562				0
Nematanthus maculatus JX196027	TATTTATGCAATTTTGCTCATGATCATGGTTTCAATGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Nematanthus fluminensis JX196020	TATTTATGCAATTTTGCTCATGATCAGGGTTTCAATAGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Nematanthus fritschii JX196022	TATTTATGCAATTTTGCTCATGATCATGGTTTCAATGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Nematanthus gregarius JX196023	TATTTATGCAATTTTGCTCATGATCATGGTTTCAATAGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Nematanthus sericeus JX196031	TATTTATGCAATTTTGCTCATGATCATGGTTTCAATAGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Nidularium innocentii KU702753	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	148
Nidularium procerum AY950013	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TATTG	148
Sinningia cooperi JX196079	TATTTATGTATTTTGCTCATGATCATGGTTTCCATAGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Sinningia elatior JX196083	TATTTATGTATTTTGCTCATGATCATGGTTTCCATAGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Sinningia glazioviana JX196085	TATTTATGTATTTTGCTCATGATCATGGTTTCCATAGATTCGATTTT	GTC.....GGAAAA	TCCGG	139
Tillandsia geminiflora JN202273				0
Tillandsia stricta KX754105	TATTTATGCGTTTGCTCATGATCATGGTTTAAACGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TTTTG	148
Vriesea carinata AY614033	TATTTATGCGTTTGCTCATGATCATGGTTTAAACGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TTTTG	148
Vriesea erythrodactylon JN202286				0
Vriesea incurvata KT346228	TATTTATGCGTTTGCTCATGATCATGGTTTAAACGATTCGATTTT	TACG.....AACCCGT.....GGAAAT	TTTTG	148
Canistrum superbum AY950025	TATTTACGCGTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TATG.....AACCCGT.....GGAAAT	TATTG	148
Amborella trichopoda DQ185522	TATCTATGCACTTTGCTCATATCATGGTTTAAATGATTCGATTTT	TACG.....AACCCAT.....GGAAGAT	TTTAG	148
Magnolia grandiflora JN867587	TATCTACGCACTTTGCTCATGATCATGGTTTAAATGATTCGATTTT	TACG.....AACCTAT.....GGAAAA	TTTCG	148

Aechmea organensis JF295090	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	218		
Aechmea distichantha var. glaziovii AY950041	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Aechmea gamosepala EU681835	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Aechmea nudicaulis var. nudicaulis AY614024	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Aechmea vanhoutteana KJ580004	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Billbergia amoena JX649243	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Canna paniculata KP083045	GTTATGACAA	TAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACA	AAAT	TTGTTT	ATTTT	TTTG	237		
Edmundoa lindenii var. rosea EU681903	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Erythrina speciosa KX213164	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0		
Lantana camara AF315303	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	A	TTAATT	TC	GAATGTATCAACAGAA	CC	ATTT	TC	TTATTTCT	219	
Macrocarpaea rubra KX904562	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0		
Nematanthus maculatus JX196027	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAACAGAAT	A	ATC	TTCTT	ATTTCT	219	
Nematanthus fluminensis JX196020	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAACAGAAT	A	ATC	TTCTT	ATTTCT	219	
Nematanthus fritschii JX196022	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAACAGAAT	A	ATC	TTCTT	ATTTCT	219	
Nematanthus gregarius JX196023	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAACAGAAT	A	ATC	TTCTT	ATTTCT	219	
Nematanthus sericeus JX196031	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAAC	GAAT	A	ATC	TTCTT	ATTTCT	219
Nidularium innocentii KU702753	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Nidularium procerum AY950013	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Sinningia cooperi JX196079	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAACAGAAT	A	ATC	TTATT	ATTTCT	219	
Sinningia elatior JX196083	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAACAGAAT	A	ATC	TTATT	ATTTCT	219	
Sinningia glazioviana JX196085	GTTATGACAA	TAAATC	CAGTT	T	ACT	GAT	TTGTGAAACG	G	TTAATTAC	TC	AATGTATCAACAGAAT	A	ATC	TTATT	ATTTCT	219	
Tillandsia geminiflora JN202273	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0		
Tillandsia stricta KX754105	GTTATGACAA	TAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	AATTA	ATTCG	228		
Vriesea carinata AY614033	GTTATGACAA	TAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTTG	228		
Vriesea erythrodactylon JN202286	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0		
Vriesea incurvata KT346228	GTTATGACAA	TAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTTG	228		
Canistrum superbum AY950025	GTTATGACAA	AAAATC	TAGTT	CAGT	TAC	TTGTGAAACG	T	TTAATTAT	TCG	AATGTATCAACAGAAT	T	ATTT	GATTA	ATTCG	228		
Amborella trichopoda DQ185522	GT	CATGACAAG	AAAATC	CAGTT	C	ACT	TAAATGT	AAAACG	T	TTAATTAT	TC	AATGTATCAACAGAAT	C	ATTT	CATCATTTCA	228	
Magnolia grandiflora JN867587	GTTATGACAA	TAAATC	CAGTT	C	ACT	TAA	TTGTGAAACG	T	TTAATTAC	TCG	AATGCATCAACAGAAT	C	ATTT	GATTCGTTTG	228		

Aechmea organensis JF295090	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTTT	TTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	298		
Aechmea distichantha var. glaziovii AY950041	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Aechmea gamosepala EU681835	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTTT	TTTT	TATT	CTCATTTTTTTTT	ATCAG	ATG	ATATCAGA	308		
Aechmea nudicaulis var. nudicaulis AY614024	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Aechmea vanhoutteana KJ580004	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Billbergia amoena JX649243	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Canna paniculata KP083045	GT	TAAT	GATTCTTACCAAAATC	GGTT	CGTT	GGGCA	CAACAATT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	317		
Edmundoa lindenii var. rosea EU681903	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Erythrina speciosa KX213164	..	..	..	..	..	..	..	..	..	..	..	..	..	0		
Lantana camara AF315303	CC	TAAT	GATTGG	AACCAAAATC	CATT	TTGG	GTGCG	CAACAGGA	ATTTT	CATT	.....	CTCAA	ATT	ATATCAA	287	
Macrocarpaea rubra KX904562	..	..	..	..	..	..	..	..	..	..	..	..	..	0		
Nematanthus maculatus JX196027	CC	TAAT	GATTCTAATA	TAAAAATC	CATT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCGA	ATC	ATATCAGA	287	
Nematanthus fluminensis JX196020	CC	TAAT	GATTCTAATA	TAAAAATC	CATT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCGA	ATC	ATATCAGA	287	
Nematanthus fritschii JX196022	CC	TAAT	GATTCTAATA	TAAAAATC	CATT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCGA	ATC	ATATCAGA	287	
Nematanthus gregarius JX196023	CC	TAAT	GATTCTAATA	TAAAAATC	CATT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCGA	ATC	ATATCAGA	287	
Nematanthus sericeus JX196031	CC	TAAT	GATTCTAATA	TAAAAATC	CATT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCGA	ATC	ATATCAGA	287	
Nidularium innocentii KU702753	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Nidularium procerum AY950013	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACACTT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Sinningia cooperi JX196079	CC	TAAT	GATTCTAAT	CAAAATC	CGTT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCAA	ATC	ATATCAGA	287	
Sinningia elatior JX196083	CC	TAAT	GATTCTAAT	CAAAATC	CGTT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCAA	ATC	ATATCAGA	287	
Sinningia glazioviana JX196085	CC	TAAT	GATTCTAAT	TAAAAATC	CGTT	TTTG	GGGCG	CAACAAGA	ACTTG	TATT	.....	CTCAA	ATC	ATATCAGA	287	
Tillandsia geminiflora JN202273	..	..	..	..	..	..	..	..	..	..	..	..	..	0		
Tillandsia stricta KX754105	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACAATT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Vriesea carinata AY614033	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACAATT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Vriesea erythrodactylon JN202286	..	..	..	..	..	..	..	..	..	..	..	..	..	0		
Vriesea incurvata KT346228	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACAATT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Canistrum superbum AY950025	GT	TAAT	TATTCTAACCAAAATC	GATT	CGTT	GGGCA	CAACAATT	ATTTT	TATT	CTCATTTTTTTTT	CTCAG	ATG	ATATCAGA	308		
Amborella trichopoda DQ185522	TT	TAAT	GATTCTAACCAAAAT	AGATT	CT	TTGGGC	ATAG	CAGGA	ATTCT	TATT	.....	TTCAA	ATGG	TATCAGA	296	
Magnolia grandiflora JN867587	GT	TAAT	GATTC	CAAC	GAAAAT	AGATT	CGTT	GGGCA	CAACAAGA	ATTTT	AATT	.....	TTCAA	ATGG	TATCAGA	296

Aechmea organensis JF295090	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	372	
Aechmea distichantha var. glaziovii AY950041	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Aechmea gamosepala EU681835	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAA	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Aechmea nudicaulis var. nudicaulis AY614024	GGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Aechmea vanhoutteana KJ580004	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Billbergia amoena JX649243	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Canna paniculata KP083045	AGGT	TTTGC	AGTC	ATTGTGGAAATTCCATT	CTCG	CTGCAATTAG	TATCTTCC	....	CTTGAAG	AAAAAGAA	.ATACCAA	391	
Edmundoa lindenii var. rosea EU681903	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Erythrina speciosa KX213164												0	
Lantana camara AF315303	G	GGG	TTTGC	TTT	ATTGTGGAAATTCCATT	TCT	CGACGATTAA	TATCTTGT	....	CTAGAGA	AAAAAGA...TAGTCA	358	
Macrocarpaea rubra KX904562												0	
Nematanthus maculatus JX196027	G	GGG	TTTG	TATTT	ATTGTGGAAATCCATT	TCT	CTAAGATTAA	TATCTTCT	GGG..	AAAAAGAAAAAAAG	.ATAGTAA	364	
Nematanthus fluminensis JX196020	G	GGG	TTTG	TATTT	ATTGTGGAAATCCATT	TCT	CTAAGATTAA	TATCTTCT	GGG..	AAAAAGAAAAAAAN	.NNNNNNN	364	
Nematanthus fritschii JX196022	G	GGG	TTTG	TATTT	ATTGTGGAAATCCATT	TCT	CTAAGATTAA	TATCTTCT	GGG..	AAAAAGAAAAAAAG	.ATAGTAA	364	
Nematanthus gregarius JX196023	G	GGG	TTTG	TATTT	ATTGTGGAAATCCATT	TCT	CTAAGATTAA	TATCTTCT	GGG..	AAAAAGAAAAAAAG	.ATAGTAA	364	
Nematanthus sericeus JX196031	G	GGG	TTTG	TATTT	ATTGTGGAAATCCATT	TCT	CTAAGATTAA	TATCTTCT	GGG..	AAAAAGAAAAAAAG	.ATAGTAA	364	
Nidularium innocentii KU702753	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Nidularium procerum AY950013	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Sinningia cooperi JX196079	AGG	TTTG	TATTT	ATTGTGGAAATCCATT	TCT	CTAAGATTAA	TATCTTCT	..	GGGAAAAAG	AAAAAAAG	ATAGTAA	364	
Sinningia elatior JX196083	G	GGG	TTTG	TATTT	ATTGTGGAAATCCATT	TAAT	CTAAGATTAA	TATCTTCT	GGG..	AAAAAGAAAAAAAT	.ATAGTAA	364	
Sinningia glazioviana JX196085	G	GGG	TTTG	TATTT	ATTGTGGAAATCCATT	TCT	CTAAGATTAA	TATCTTCT	GGG..	AAAAAGAAAAAAAG	.ATAGTAA	364	
Tillandsia geminiflora JN202273												0	
Tillandsia stricta KX754105	AGGT	TTTGC	GGTC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Vriesea carinata AY614033	AGGT	TTTGC	GGTC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Vriesea erythrodactylon JN202286												0	
Vriesea incurvata KT346228	AGGT	TTTGC	GGTC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Canistrum superbum AY950025	AGGT	TTTGC	GATC	ATTGTGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTTT	....	CCCGAAG	AAAAAGAA	.ATACCAA	382	
Amborella trichopoda DQ185522	G	GGT	TTTGC	AGTAA	ATTGTGGAAATTCCATT	CTGAT	GCGATTAG	TATCTTCC	....	CTAG.....AAAAA	.GGATCTG	364	
Magnolia grandiflora JN867587	G	GGT	TTTGC	AGTCA	ATTATGGAAATTCCATT	CTCG	CTGCGATTAG	TATCTTCC	....	CTAGAAG	AAAAAGAA	.ATAGCAA	370

Aechmea organensis JF295090	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	452
Aechmea distichantha var. glaziovii AY950041	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Aechmea gamosepala EU681835	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Aechmea nudicaulis var. nudicaulis AY614024	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Aechmea vanhoutteana KJ580004	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Billbergia amoena JX649243	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Canna paniculata KP083045	AATCTCACAATTTCCAATCTATTCATTCAATATTTTCTTTTTAGAGGATAAATTATCG	471
Edmundoa lindenii var. rosea EU681903	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Erythrina speciosa KX213164	.....	0
Lantana camara AF315303	AATCTCAGAATTTACGATCAATTTCATTCAATATTTTCTTTTTAGAGGACAAATTTTTC	438
Macrocarpaea rubra KX904562	.....	0
Nematanthus maculatus JX196027	AATCTCAGAATTTACGATCAATTTCATTCAATATTTTCCCCTTTTAGAGGACAATTTTTC	444
Nematanthus fluminensis JX196020	NN	444
Nematanthus fritschii JX196022	AATCTCAGAATTTACGATCAATTTCATTCAATATTTTCCCCTTTTAGAGGACAATTTTTC	444
Nematanthus gregarius JX196023	AATCTCAGAATTTACGATCAATTTCATTCAATATTTTCCCCTTTTAGAGGACAATTTTTC	444
Nematanthus sericeus JX196031	AATCTCAGAATTTACGATCAATTTCATTCAATATTTTCCCCTTTTAGAGGACAATTTTTC	444
Nidularium innocentii KU702753	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Nidularium procerum AY950013	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Sinningia cooperi JX196079	AATCTCAGAATTTACGATCACTTTCATTCAATATTTTCTTTTTAGAGGACAATTTTTC	444
Sinningia elatior JX196083	AATCTCAGAATTTACGATCACTTTCATTCAATATTTTCTTTTTAGAGGACAATTTTTC	444
Sinningia glazioviana JX196085	AATCTCAGAATTTACGATCACTTTCATTCAATATTTTCTTTTTAGAGGACAATTTTTC	444
Tillandsia geminiflora JN202273	.....	0
Tillandsia stricta KX754105	AATGTCATTAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATTA	462
Vriesea carinata AY614033	AATGTCATTAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATTA	462
Vriesea erythrodactylon JN202286	.....	0
Vriesea incurvata KT346228	AATGTCATTAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATTA	462
Canistrum superbum AY950025	AATGTCAGAATTTACGATCTATTCATTCAATATTTTCTTTTTAGAGGACAAATTATC	462
Amborella trichopoda DQ185522	AATCTCATTAATTTCCAATCTATCCATTCAATATTTTCTGTTTCTAGAGGACAAACTTTC	444
Magnolia grandiflora JN867587	AATCTCATTAATTTACGATCTATTCATTCAATATTTTCTTTTTTCGAGGACAAATTATC	450

Aechmea organensis JF295090	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	532
Aechmea distichantha var. glaziovii AY950041	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTAAAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Aechmea gamosepala EU681835	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Aechmea nudicaulis var. nudicaulis AY614024	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTAAAAATCCTTCAATGTCGGATCCAAGATGTTCCATCTTTGCA	542
Aechmea vanhoutteana KJ580004	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTAAAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Billbergia amoena JX649243	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Canna paniculata KP083045	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAACCTTCAATCCTGTATCCGGGATGTTCCCTCTTTGCA	551
Edmundoa lindenii var. rosea EU681903	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Erythrina speciosa KX213164	.....GTCTTTTCTTTTCA	14
Lantana camara AF315303	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	518
Macrocarpaea rubra KX904562	.....CATCCCATCCATCTGGAAATCTTGGTTCAAATCATTCGCTGTTGGGTAAAAGATGCTCCTTCTTTGCA	68
Nematanthus maculatus JX196027	ATACAAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	524
Nematanthus fluminensis JX196020	NN	524
Nematanthus fritschii JX196022	ATACAAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	524
Nematanthus gregarius JX196023	ATACAAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	524
Nematanthus sericeus JX196031	ATACAAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	524
Nidularium innocentii KU702753	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Nidularium procerum AY950013	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Sinningia cooperi JX196079	ATACAAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	524
Sinningia elatior JX196083	ATACAAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	524
Sinningia glazioviana JX196085	ATACAAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	524
Tillandsia geminiflora JN202273	.....TACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGTCGGATCCAAGATGTTCCATCTTTGCA	73
Tillandsia stricta KX754105	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGTCGGATCCAAGATGTTCCATCTTTGCA	542
Vriesea carinata AY614033	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGTCGGATCCAAGATGTTCCATCTTTGCA	542
Vriesea erythrodactylon JN202286	.....TACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGTCGGATCCAAGATGTTCCATCTTTGCA	73
Vriesea incurvata KT346228	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGTCGGATCCAAGATGTTCCATCTTTGCA	542
Canistrum superbum AY950025	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAATCCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	542
Amborella trichopoda DQ185522	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAAGCCTTCGCCAATGGATACGAGACCTTTCTCTTTGCA	524
Magnolia grandiflora JN867587	ATACTAATACCTTATCCTATCCATTGGAAATCTTGGTTCAAACCTTCAATGCCGGATCCAAGATGTTCCATCTTTGCA	530



Aechmea organensis JF295090	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATAGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	603
Aechmea distichantha var. glaziovii AY950041	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Aechmea gamosepala EU681835	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATAGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Aechmea nudicaulis var. nudicaulis AY614024	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Aechmea vanhoutteana KJ580004	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGCAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Billbergia amoena JX649243	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Canna paniculata KP083045	TTTATTGCGGTTCTTTCTCCATGACTAT	TATAATTGGAATAGTCCATTACT	.....	ACGAAGAAATCTATTT	...ACG	622
Edmundoa lindenii var. rosea EU681903	TTTGTTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Erythrina speciosa KX213164	TTTTTTAAAGGTTGTTTTTTTATTACTAT	TTTAATTGCACTAGTGTTTTTACT	.....	CCAAAAAAAAGATATTT	CGATTT	88
Lantana camara AF315303	TTTATTACGATTCTTTCTCAATGAGTAT	TGTAATTGCAATAGTCTTATTACT	.....	CCAAACGAAAGCGAGTT	...CCT	589
Macrocarpaea rubra KX904562	TTTATTACGATTCTTTTCTCCACGAGTAT	TGGAATTGGAATAATCTTAGTGCT	.....	ACAAAGAAATCCAGTT	TTGCTC	142
Nematanthus maculatus JX196027	TTTATTACGAGTCTTTCTGAACGAGTAT	TGTAATTGGAATAGTCTTATTACT	.....	CCAAAGAAAGTCAGTT	...CCT	595
Nematanthus fluminensis JX196020	NNNNNNNNNNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNNNNNNNNNN	.....	NNNNNNNNNNNNNNNNNN	...NNN	595
Nematanthus fritschii JX196022	TTTATTACGAGTCTTTCTCAACGAGTAT	TGTAATTGGAATAGTCTTATTACT	.....	CCAAAGAAAGTCAGTT	...CCT	595
Nematanthus gregarius JX196023	TTTATTACGAGTCTTTCTCAACGAGTAT	TGTAATTGGAATAGTCTTATTACT	.....	CCAAAGAAAGTCAGTT	...CCT	595
Nematanthus sericeus JX196031	TTTATTACGAGTCTTTCTCAACGAGTAT	TGTAATTGGAATAGTCTTATTACT	.....	CCAAAGAAAGTCAGTT	...CCT	595
Nidularium innocentii KU702753	TTTGTTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Nidularium procerum AY950013	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Sinningia cooperi JX196079	TTTATTACGAGTCTTTCTCAACGAGTAT	TGTAATTGGAATAGTCTTATTACT	.....	CCAAAGAAAGTCAGTT	...CCT	595
Sinningia elatior JX196083	TTTATTACGAGTCTTTCTCAACGAGTAT	TGTAATTGGAATAGTCTTATTACT	.....	CCAAAGAAAGGTCAGTT	...CCT	595
Sinningia glazioviana JX196085	TTTATTACGAGTCTTTCTCAACGAGTAT	TGTAATTGGAATAGTCTTATTACT	.....	CCAAAGAAAGTCAGTT	...CCT	595
Tillandsia geminiflora JN202273	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ATG	144
Tillandsia stricta KX754105	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ATG	613
Vriesea carinata AY614033	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ATG	613
Vriesea erythrodactylon JN202286	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ATG	144
Vriesea incurvata KT346228	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ATG	613
Canistrum superbum AY950025	TTTATTGCGATTCTTTCTCCACGAA	TATCATAATTGGAATAGTCTCATTACT	.....	CCGAAGAAATCAATTT	...ACG	613
Amborella trichopoda DQ185522	TTTATTGCGGTTTCTTTCTCCACGAACAT	CAGAATTGGAATAGTTTCATTACT	ACAAAKA	CAAAKAAATGCAGTT	...CTT	601
Magnolia grandiflora JN867587	TTTATTGCGATTCTTTCTCCACGAGTAT	CGTAATTCGAATAGTCTCATTACT	.....	CCAAAGAAATCAATTT	...CTC	601



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

[illegible]

Aechmea organensis JF295090	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	761
Aechmea distichantha var. glaziovii AY950041	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Aechmea gamosepala EU681835	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Aechmea nudicaulis var. nudicaulis AY614024	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Aechmea vanhoutteana KJ580004	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Billbergia amoena JX649243	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Canna paniculata KP083045	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAATCTTTCTTGAGCGAATATTTTATGGAAAAATA..	780
Edmundoa lindenii var. rosea EU681903	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Erythrina speciosa KX213164	TTACGTAACAATCTTCTCAGTTACGTTCAAATATTTCGTGTTTTTCTTGAGCGAATTTTTTCTATGAAAAATA..	246
Lantana camara AF315303	CTACGTAACAATCTTCTCATTACGATCAACATCTTCTGGAGTTCTTCTTGAACGAATCTATTCTATCGAAAAATA..	747
Macrocarpaea rubra KX904562	CTCCATAACCAAATTTCTGCATTTACGACCAACATCTTTGGGAGCCCTTCTTGAGCGAATCTATTCTATGTAAAAATAAA	302
Nematanthus maculatus JX196027	NN..	753
Nematanthus fluminensis JX196020	CTACGTAACAATCTTCTCATTAGGATCAACATCTTGTGAAGTTCTTCTTGAACGAATATATTCTATGGAAAAATG..	753
Nematanthus fritschii JX196022	CTACGTAACAATCTTCTCATTAGGATCAACATCTTGTGAAGTTCTTCTTGAACGAATATATTCTATGGAAAAATA..	753
Nematanthus gregarius JX196023	CTACGTAACAATCTTCTCATTAGGATCAACATCTTGTGAAGTTCTTCTTGAACGAATATATTCTATGGAAAAATA..	753
Nematanthus sericeus JX196031	CTACGTAACAATCTTCTCATTAGGATCAACATCTTGTGAAGTTCTTCTTGAACGAATATATTCTATGGAAAAATA..	753
Nidularium innocentii KU702753	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Nidularium procerum AY950013	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Sinningia cooperi JX196079	CTACGTAACAATCTTCTCATTTCGGATCAACATCTTGTGAAGTTCTTCTTGAACGAATATATTCTATGGAAAAATA..	753
Sinningia elatior JX196083	CTACGTAACAATCTTCTCATTAGGATCAACATCTTGTGAAGTTCTTCTTGAACGAATAGATTCTATGGAAAAATA..	753
Sinningia glazioviana JX196085	CTACGTAACAATCTTCTCATTTCGGATCAACATCTTGTGAAGTTCTTCTTGAACGAATATATTCTATGGAAAAATA..	753
Tillandsia geminiflora JN202273	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATG..	302
Tillandsia stricta KX754105	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATG..	771
Vriesea carinata AY614033	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Vriesea erythrodactylon JN202286	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	302
Vriesea incurvata KT346228	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Canistrum superbum AY950025	CTTCGTAACAATCTTCTTATTTACGATTAACATCTTCTGGAACCTTTCTTGAGCGAATACAGTTCTATGGAAAAATA..	771
Amborella trichopoda DQ185522	CTACGTAACAATTTTTTTCATTACGTCGATATCTTTTGGATCTTTTCTTGAACGAACACATTTCTATGGAAAAATA..	759
Magnolia grandiflora JN867587	CTTCGTAACAATCTTCTCATTACGATCAACATCTTCTGGAACCTTTCTTGAGCGAACGCATTTCTATGGAAAAATA..	759

[illegible]

Aechmea organensis JF295090	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	905
Aechmea distichantha var. glaziovii AY950041	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Aechmea gamosepala EU681835	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Aechmea nudicaulis var. nudicaulis AY614024	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Aechmea vanhoutteana KJ580004	.....	.....	.....	.....	.....	793
Billbergia amoena JX649243	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Canna paniculata KP083045	TCATGCATTATGTTTCGATATCAAGAAAAAGTGATTCTGGCTTCAAGGGGAAC	TCA	TCTTTTGATGAAG	AAA	TGGAAATGC	921
Edmundoa lindenii var. rosea EU681903	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Erythrina speciosa KX213164	TCATGCATTATGTTAGATATCAAGGAAAAATCCATTCTGGCTTCAAAAAGGAATACCCC	TCTTTTGATGAAG	AAA	TGGAAATAC	390	
Lantana camara AF315303	GCATGCATTCTATTAGGTATCAAAGAAAAATCCAGTCTGGCTTCAAAAAGGGAC	GTC	TCTTTTGATGAAT	AAA	TGGAAATGC	897
Macrocarpaea rubra KX904562	TCATGCATTATGTTAGG.....	.....	.....	.....	.....	387
Nematanthus maculatus JX196027	GCATGCATTATGTTAGGTATCAAAGAAAAATCCATTCTAGCCTCAAAAAGGGAC	GTC	TCTTTTGATGAAT	AAA	TGGAAATGT	903
Nematanthus fluminensis JX196020	GCATGCATTATGTTAGGTATCAAAGAAAAATCCATTCTAGCCTCAAAAAGGGAC	GTC	TCTTTTGATGAAT	AAA	TGGAAATGT	903
Nematanthus fritschii JX196022	GCATGCATTATGTTAGGTATCAAAGAAAAATCCATTCTAGCCTCAAAAAGGGAC	GTC	TCTTTTGATGAAT	AAA	TGGAAATGT	903
Nematanthus gregarius JX196023	GCATGCATTATGTTAGGTATCAAAGAAAAATCCATTCTAGCCTCAAAAAGGGAC	GTC	TCTTTTGATGAAT	AAA	TGGAAATGT	903
Nematanthus sericeus JX196031	GCATGCATTATGTTAGGTATCAAAGAAAAATCCATTCTAGCCTCAAAAAGGGAC	GTC	TCTTTTGATGAAT	AAA	TGGAAATGT	903
Nidularium innocentii KU702753	TCATGCATTATGTT.....	.....	.....	.....	.....	849
Nidularium procerum AY950013	TCATGCATTATGTTTCGATATCAAGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Sinningia cooperi JX196079	GCATGCATTATGTTTCGGTATCAAAGAAAAATCCATTCTAGCTTCAAAAAGGTACGTC	TCTTTTGATGAAT	AAA	TGGAAAT..	901	
Sinningia elatior JX196083	GCATGCATTATGTTTCGATATCAAAGAAAAATCCATTCTAGCTTCAAAAAGGGAC	GTC	TCTTTTGATGAAT	AAA	TGGAAATGT	903
Sinningia glazioviana JX196085	GCATGCATTATGTTTCGGTATCAAAGAAAAATCCATTCTAGCTTCAAAAAGGTACGTC	TCTTTTGATGAAT	AAA	TGGAAATGT	903	
Tillandsia geminiflora JN202273	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	446
Tillandsia stricta KX754105	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Vriesea carinata AY614033	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Vriesea erythrodactylon JN202286	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	446
Vriesea incurvata KT346228	TCATGCATTATGTTTCGATATCAAGGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Canistrum superbum AY950025	TCATGCATTATGTTTCGATATCAAGAAAAAGCAATTCTGGCTTCAAAAAGGGAC	TCA	TCTTTTGATGAAG	AAG	TGGAAATGT	915
Amborella trichopoda DQ185522	TCATGCATTATGTTAGATATAAAGGAAAAATCAATTATGGCTTCAAGGGGTACTTA	TCTCCTTATGAAT	AAA	TGGAAATCT	903	
Magnolia grandiflora JN867587	TCATGCATTATGTCAGATATCAAGGAAAAATCCATTCTGGCTTCAAAAAGGGAC	TCA	TCTTCTGATGAAG	AAA	TGGAAATCT	903

Aechmea organensis JF295090	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	985
Aechmea distichantha var. glaziovii AY950041	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Aechmea gamosepala EU681835	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CGTATAAACCGATTATCAA	AACTA	995
Aechmea nudicaulis var. nudicaulis AY614024	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Aechmea vanhoutteana KJ580004	.....	.....	.....	793
Billbergia amoena JX649243	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Canna paniculata KP083045	CATCTTATAAATTTCTGGCAATATTATTTTCATTTTGGTCTCAACCGTACAGGATCC	CATATAAACCGGTTATCAA	AACTA	1001
Edmundoa lindenii var. rosea EU681903	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Erythrina speciosa KX213164	TATTTTATCTATTTATGGCAATGTCATTTTGATATTGGTCTCGATCAGAAACAATCT	ATCTAAACCAATTATCC	AGCA	470
Lantana camara AF315303	TATCTTGTCACCTTTTGGCAATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATATAAATCAATTATCA	ATCA	977
Macrocarpaea rubra KX904562	.....	.....	.....	387
Nematanthus maculatus JX196027	TACCTTGTAACTTTTGGCAATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATCTAAACCAATTATCA	CAATCA	983
Nematanthus fluminensis JX196020	TACCTTGTAACTTTTGGCAATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATCTAAACCAATTATCA	CAATCA	983
Nematanthus fritschii JX196022	TACCTTGTAACTTTTGGCAATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATCTAAACCAATTATCA	CAATCA	983
Nematanthus gregarius JX196023	TACCTTGTAACTTTTGGCAATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATCTAAACCAATTATCA	CAATCA	983
Nematanthus sericeus JX196031	TACCTTGTAACTTTTGGCRATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATCTAAACCAATTATCC	ATCA	983
Nidularium innocentii KU702753	.....	.....	.....	849
Nidularium procerum AY950013	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Sinningia cooperi JX196079	.....	.....	.....	901
Sinningia elatior JX196083	TACCTTGTCACTTTTGGCAATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATCTAAACCAATTATCA	CAATCA	983
Sinningia glazioviana JX196085	TACCTTGTAACTTTTGGCAATGGCATTTTTCGCTGTGGTTTCATCCAAGAAGGATT	TATCTAAACCAATTATCA	CAATCA	983
Tillandsia geminiflora JN202273	TACCTTGTCAATCTCTGGCAATATTATTTTAAATTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	526
Tillandsia stricta KX754105	TACCTTGTCAATCTCTGGCAATATTATTTTAAATTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Vriesea carinata AY614033	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Vriesea erythrodactylon JN202286	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	526
Vriesea incurvata KT346228	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Canistrum superbum AY950025	TACCTTGTCAATCTCTGGCAATATTATTTTCATTTTGGTCTCAACCACACAGGATT	CATATAAACCAATTATCAA	AACTA	995
Amborella trichopoda DQ185522	CACCTTGTCAATTTCTGGCAATTCCTTTTACTTCTGGTCTCAACCGGGCAGAATCC	CATATAAATGAATTATCA	CAATCA	983
Magnolia grandiflora JN867587	CACCTTGTCCATTTTGGCAATGTCATTTTACTTGTTGGTCTCTACCGGACAGGATCC	CATATAAACCAATTATCA	CAATCA	983

Aechmea organensis JF295090	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1065
Aechmea distichantha var. glaziovii AY950041	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1075
Aechmea gamosepala EU681835	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAAACGTTGGAGAATTCAT	1075
Aechmea nudicaulis var. nudicaulis AY614024	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1075
Aechmea vanhoutteana KJ580004	.....	793
Billbergia amoena JX649243	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1075
Canna paniculata KP083045	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAATAAATTCTTCGCCGTAAGGAATCAAATGCTAGATAAATTCAT	1081
Edmundoa lindenii var. rosea EU681903	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1075
Erythrina speciosa KX213164	TTCATTAACTTTTGGGGTATTTTTTAAGTATTCGACTAAATGTTTCAGTGGTACGAAGTCAAATGTTGCAAAATTCAT	550
Lantana camara AF315303	TTCCCTTGATTTTTCGGGTATCATTCAAGTGTGCGAATGAACTCTTCCATGGTACGGAGTCAAATCTAGAAAATTCAT	1057
Macrocarpaea rubra KX904562	.....	387
Nematanthus maculatus JX196027	TTCCCTTGAAATTTTGGGGTATCTTTCAAGCGTGCGAATGAACCTTTCAGTGCTACGGAGTCAAATTCGAAAATTCAT	1063
Nematanthus fluminensis JX196020	TTCCCTTGAAATTTTGGGGTATCTTTCAAGCGTGCGAATGAACCTTTCAGTGCTACGGAGTCAAATTCGAAAATTCAT	1063
Nematanthus fritschii JX196022	TTCCCTTGAAATTTTGGGGTATCTTTCAAGCGTGCGAATGAACCTTTCAGTGCTACGGAGTCAAATTCGAAAATTCAT	1063
Nematanthus gregarius JX196023	TTCCCTTGAAATTTTGGGGTATCTTTCAAGCGTGCGAATGAACCTTTCAGTGCTACGGAGTCAAATTCGAAAATTCAT	1063
Nematanthus sericeus JX196031	TTCCCTTGAAATTTTGGGGTATCTTTCAAGCGTGCGAATGAACCTTTCAGTGCTACGGAGTCAAATTCGAAAATTCAT	1063
Nidularium innocentii KU702753	.....	849
Nidularium procerum AY950013	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1075
Sinningia cooperi JX196079	.....	901
Sinningia elatior JX196083	TTCCCTTGAAATTTTGGGGTATCTTTCAAGCGTGCGAATGAACCTTTCAGTGCTACGGAGTCAAATTCGACAATTCAT	1063
Sinningia glazioviana JX196085	TTCCCTTGAAATTTTGGGGTATCATTGAGCGTGCGAATGAACCTTTCAGTGCTACGGAGTCAAATTCGAAAATTCAT	1063
Tillandsia geminiflora JN202273	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	606
Tillandsia stricta KX754105	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1075
Vriesea carinata AY614033	TTCCTTCTATTTCCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGCTGGAGAATTCAT	1075
Vriesea erythrodactylon JN202286	TTCCTTCTATTTCCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGCTGGAGAATTCAT	606
Vriesea incurvata KT346228	TTCCTTCTATTTCCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGCTGGAGAATTCAT	1075
Canistrum superbum AY950025	TTCCTTCTATTTTCGGGTATCTTTCAAGTGTACTAAGAAATCCTTTGGTGGTAAGGAATCAAATGTTGGAGAATTCAT	1075
Amborella trichopoda DQ185522	TTCCTTCTATTTCCCGGGCTATCTTTCAAGTGTACGATTAAATCCCTCGATGGTAAGGAGTGAATGCTAGAGAATTCAT	1063
Magnolia grandiflora JN867587	TTCCTTATATTTTCGGGTATCTTTCAAGTGTACGACTAAACACTTCGTTGGTAAGGATTCAAATGCTAGAGAATTCAT	1063

Aechmea organensis JF295090	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1145
Aechmea distichantha var. glaziovii AY950041	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Aechmea gamosepala EU681835	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Aechmea nudicaulis var. nudicaulis AY614024	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Aechmea vanhoutteana KJ580004	.....	793
Billbergia amoena JX649243	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Canna paniculata KP083045	TTATAATAGATATTCTTACTAGGAAATTCGATACCATAGTCCAAATTATTCCTCTTATTGGATCATTATCTAAAGCTAAA	1161
Edmundoa lindenii var. rosea EU681903	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Erythrina speciosa KX213164	TTCTAATTCAAATTTTTATAAAAAGCTTGATACAAAGTTTCGAAATTCTTCCTCTAATTAGATTATTGGCTAAAGAAAA	630
Lantana camara AF315303	TTCGAATCAATAATGCTATTAAAAAGTTTCGATACCTTCTTCCAATTATTCCAATGATTTCGTCATTGGCTAAAGCGAAA	1137
Macrocarpaea rubra KX904562	.....	387
Nematanthus maculatus JX196027	TTCTAATCAATAATGCTATTAAGAAGTTTGATACCCTTGTTCCAATTATTCCTCTGATTGCGTCATTGGCTAAAGCGAAA	1143
Nematanthus fluminensis JX196020	TTCTAATCAATAATGCTATTAAGAAGTTTCGATACCCTTGTTCCAATTATTCCTCTGATTGCGTCATTGGCTAAAGCGAAA	1143
Nematanthus fritschii JX196022	TTCTAATCAATAATGCTATTAAGAAGTTTGATACCCTTGTTCCAATTATTCCTCTGATTGCGTCATTGGCTAAAGCGAAA	1143
Nematanthus gregarius JX196023	TTCTAATCAATAATGCTATTAAGAAGTTTCGATACCCTTGTTCCAATTATTCCTCTGATTGCGTCATTGGCTAAAGCGAAA	1143
Nematanthus sericeus JX196031	TTCTAATCAATAATGCTATTAAGAAGTTTCGATACCCTTGTTCCAATTATTCCAATGATTGCGTCATTGGCTAAAGCGAAA	1143
Nidularium innocentii KU702753	.....	849
Nidularium procerum AY950013	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Sinningia cooperi JX196079	.....	901
Sinningia elatior JX196083	TTCTAATCAATAATGCTATTAAGAAGTTTCGATACCCTTGTTCCAATTATTCCTCTGATTGCGTCATTGGCTAAAGCGAAA	1143
Sinningia glazioviana JX196085	TTCTAATCAATAATGCTATTAAGAAGTTTCGATACCCTTGTTCCAATTATTCCTCTGATTGCGTCATTGGCTAAAGCGAGA	1143
Tillandsia geminiflora JN202273	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	686
Tillandsia stricta KX754105	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Vriesea carinata AY614033	TTCTAATAGAAAACAGGTATTAATAAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCGAAA	1155
Vriesea erythrodactylon JN202286	TTCTAATAGAAAACAGGTATTAATAAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCGAAA	686
Vriesea incurvata KT346228	TTCTAATAGAAAACAGGTATTAATAAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCGAAA	1155
Canistrum superbum AY950025	TTCTAATAGAACTGGTATTAAGAAATTCGATACCATAGTCCAGTTATTCCTCTCATTGGATCATTGTCTAAAGCTAAA	1155
Amborella trichopoda DQ185522	TTATGATAGATGCTGKTATCAAGAGAATTCGATACAGTAGTCCAACTATTTTTCTTATTGGATCCTTGGCTAAAGTAAAA	1143
Magnolia grandiflora JN867587	TTCTAATAGATACTTCATTAATAAAATTCGAGACCTAGTCCCAATTATTCCTCTGATTGGATCAGTGGCTAAAGCGAAA	1143



Aechmea organensis JF295090	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGCG	ATATTATTGATCGATT	TGG	1225
Aechmea distichantha var. glaziovii AY950041	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Aechmea gamosepala EU681835	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGCG	ATATTATTGATCGATT	TGG	1235
Aechmea nudicaulis var. nudicaulis AY614024	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Aechmea vanhoutteana KJ580004	.....	.....	.....	.....	793
Billbergia amoena JX649243	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Canna paniculata KP083045	TTTTGTACCGTATCCGGACATCCATTAGTAAGCCAAATTTGGACC	GATTTATCAGATTGTG	ATATTATTAAATCGATT	TGG	1241
Edmundoa lindenii var. rosea EU681903	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Erythrina speciosa KX213164	.....	.....	.....	.....	630
Lantana camara AF315303	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCCGATT	CGAATATTCTTGAC	CGATT	1217
Macrocarpaea rubra KX904562	.....	.....	.....	.....	387
Nematanthus maculatus JX196027	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCAGATTGAC	TATTATTGACCGATT	TGG	1223
Nematanthus fluminensis JX196020	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCAGATTGAC	TATTATTGACCGATT	TGG	1223
Nematanthus fritschii JX196022	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCAGATTGAC	TATTATTGACCGATT	TGG	1223
Nematanthus gregarius JX196023	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCAGATTGAC	TATTATTGACCGATT	TGG	1223
Nematanthus sericeus JX196031	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCAGATTGAC	TATTATTGACCGATT	TGG	1223
Nidularium innocentii KU702753	.....	.....	.....	.....	849
Nidularium procerum AY950013	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Sinningia cooperi JX196079	.....	.....	.....	.....	901
Sinningia elatior JX196083	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCAGATTCAAC	TATTATTGACCGATT	TGG	1223
Sinningia glazioviana JX196085	TTTTGTAAACGTATTAGGGCATCCATTAGTAAGCCGGTTCGGGCT	GATTTATCAGATTGAC	TATTATTGACCGATT	TGG	1223
Tillandsia geminiflora JN202273	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCAAATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	766
Tillandsia stricta KX754105	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCAAATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Vriesea carinata AY614033	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Vriesea erythrodactylon JN202286	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	766
Vriesea incurvata KT346228	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Canistrum superbum AY950025	TTTTGTACCGTATCGGGACATCCATTAGTAAGCCGATCTGGACC	GATTTATCAGATTGTG	ATATTATTGATCGATT	TGG	1235
Amborella trichopoda DQ185522	TTATGTAAACGTATCAGGGCATCCATTAGTAAGTCGGTCTGGGCC	GATTCGTCAGATTCTG	ATATTCTCGATCA	ATTTGG	1223
Magnolia grandiflora JN867587	TTTTGTAAACGTATCAGGGCATCCATTAGTAAGTCGGTCCGGGCC	GATTCGTCAGATTCTG	ATATTATCAAT	CGATT	1223

Aechmea organensis JF295090	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1305
Aechmea distichantha var. glaziovii AY950041	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Aechmea gamosepala EU681835	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Aechmea nudicaulis var. nudicaulis AY614024	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Aechmea vanhoutteana KJ580004	.....	793
Billbergia amoena JX649243	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCTGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Canna paniculata KP083045	TGGGATATGTAGAAATCTTTCTCACTATCAAGTGGATCTCAAAAAAACAAGTTTGATATCGAATGAAGAATATACCTTC	1321
Edmundoa lindenii var. rosea EU681903	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Erythrina speciosa KX213164	.....	630
Lantana camara AF315303	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGATCTTCCAAAAAAGGAGTTTGATATCGAATCAAGTATATACCTTC	1297
Macrocarpaea rubra KX904562	.....	387
Nematanthus maculatus JX196027	GCGTATATGCAGAAATCTTTCTCATTATCACAGCGGATCTTCCAAAAAAAAGAGTTTGATATCAATAAAGTATATATTTGC	1303
Nematanthus fluminensis JX196020	GCGTATATGCAGAAATCTTTCTCATTATCACAGCGGATCTTCCAAAAAAAAGAGTTTGATATCAATAAAGTATATATTTGC	1303
Nematanthus fritschii JX196022	GCGTATATGCAGAAATCTTTCTCATTATCACAGCGGATCTTCCAAAAAAAAGAGTTTGATATCAATAAAGTATATATTTGC	1303
Nematanthus gregarius JX196023	GCGTATATGCAGAAATCTTTCTCATTATCACAGCGGATCTTCCAAAAAAAAGAGTTTGATATCAATAAAGTATATATTTGC	1303
Nematanthus sericeus JX196031	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGATCTTCCAAAAAAAAGAGTTTGATATCAATAAAGTATATATTTGC	1303
Nidularium innocentii KU702753	.....	849
Nidularium procerum AY950013	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Sinningia cooperi JX196079	.....	901
Sinningia elatior JX196083	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGATCTTCCAAAAAAAAAGAGTTTGATATCAATCAAGTATATATTTGC	1303
Sinningia glazioviana JX196085	GCGTATATGCAGAAATCTTTCTCATTATCATAGCGGATCTTCCAAAAAAAAAGAGTTTGATATCAATAAAGTATATATTTGC	1303
Tillandsia geminiflora JN202273	TGGGATATGTAGAAATCTTTCTCATTATCATAT.....	797
Tillandsia stricta KX754105	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Vriesea carinata AY614033	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Vriesea erythrodactylon JN202286	TGGGATATGTAGAAATCTTTCTCATTATCAT.....	797
Vriesea incurvata KT346228	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Canistrum superbum AY950025	TGGGATATGTAGAAATCTTTCTCATTATCATAGTGGATCTCCGAAAAACGGAGTTTGATATCGAATAAAGTATATACCTTA	1315
Amborella trichopoda DQ185522	TGGGATATGCAGAAATCTCTCTCATTATCACAGTGGGTCTACAAAAAACACAGTTTGTGTCTCAATAAAGTATATACCTTC	1303
Magnolia grandiflora JN867587	GCGGATATACAGAAATCTTTCTCATTATCACAGTGGATCTCAAAAAAACAAGCTTTGTATCGAATAAAGTATATACCTTC	1303

Aechmea organensis JF295090	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1385
Aechmea distichantha var. glaziovii AY950041	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1395
Aechmea gamosepala EU681835	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1395
Aechmea nudicaulis var. nudicaulis AY614024	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1395
Aechmea vanhoutteana KJ580004	.....	.....	.....	.....	.....	.....	.....	.....	.....	793
Billbergia amoena JX649243	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1395
Canna paniculata KP083045	GACTTTC	TGTGCTAGAACTTT	GCTCGT	AAACAT	AAAGTAC	GTACG	CAGTTTTTTG	C.....	.....	1381
Edmundoa lindenii var. rosea EU681903	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1395
Erythrina speciosa KX213164	.....	.....	.....	.....	.....	.....	.....	.....	.....	630
Lantana camara AF315303	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAAC	T.....	.....	.....	.....	.....	1331
Macrocarpaea rubra KX904562	.....	.....	.....	.....	.....	.....	.....	.....	.....	387
Nematanthus maculatus JX196027	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAACAC	AAAAGTAC	GTACGT	CTTTTTTG	AAAAGATTAGG	TCGGAATTA	1383
Nematanthus fluminensis JX196020	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAACAC	AAAAGTAC	GTACGT	CTTTTTTG	AAAAGATTAGG	TCGGAATTA	1383
Nematanthus fritschii JX196022	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAACAC	AAAAGTAC	GTACGT	CTTTTTTG	AAAAGATTAGG	TCGGAATTA	1383
Nematanthus gregarius JX196023	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAACAC	AAAAGTAC	GTACGT	CTTTTTTG	AAAAGATTAGG	TCGGAATTA	1383
Nematanthus sericeus JX196031	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAACAC	AAAAGTAC	GTACGT	CTTTTTTG	AAAAGATTAGG	TCGGAATTA	1383
Nidularium innocentii KU702753	.....	.....	.....	.....	.....	.....	.....	.....	.....	849
Nidularium procerum AY950013	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1395
Sinningia cooperi JX196079	.....	.....	.....	.....	.....	.....	.....	.....	.....	901
Sinningia elatior JX196083	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAACAC	AAAAGTAC	GTACGT	CTTTTTTG	AAAAGATTAGG	TCGGAATTA	1383
Sinningia glazioviana JX196085	GACTTTC	TGTGCTAGAACTTT	GCTCG	AAACAC	AAAAGTAC	GTACGT	CTTTTTTG	AAAAGATTAGG	TCGGAATTA	1383
Tillandsia geminiflora JN202273	.....	.....	.....	.....	.....	.....	.....	.....	.....	797
Tillandsia stricta KX754105	GACTTTCG	TGTGCTAGAACTTT	GCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CAGAGATTAGGT	TCGGTATTA	1395
Vriesea carinata AY614033	GACTTTCG	TGTGCTAGAACTTT	GCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CAGAGATTAGGT	TCGGTATTA	1395
Vriesea erythrodactylon JN202286	.....	.....	.....	.....	.....	.....	.....	.....	.....	797
Vriesea incurvata KT346228	GACTTTCG	TGTGCTAGAACTTT	GCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CAGAGATTAGGT	TCGGTATTA	1395
Canistrum superbum AY950025	GACTTTCG	TGTGCTAGAACTTT	AGCTCGT	AAACAT	AAGAGTAC	GTACGCT	CTTTTTTG	CGGAGATTAGGT	TCGGTATTA	1395
Amborella trichopoda DQ185522	GACTTTCG	TGTGCTAGAACTTT	GCTCGT	AAACAT	AAAAGC	GTACGCG	CAATTTTG	AAAAGATTAGGT	TCGGAATTC	1383
Magnolia grandiflora JN867587	GACTTTCG	TGTGCTAGAACTTT	GCTCGT	AAACAT	AAAAGTAC	GTACGCG	CTTTTTTG	AAAAGATTAGGT	TCGGAATTC	1383

Aechmea organensis JF295090	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1455
Aechmea distichantha var. glaziovii AY950041	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Aechmea gamosepala EU681835	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Aechmea nudicaulis var. nudicaulis AY614024	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Aechmea vanhoutteana KJ580004	.....	.....	.....	.....	.....	793
Billbergia amoena JX649243	TTAGAAGAATTTTTNNNNNNACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1471
Canna paniculata KP083045	....AAGAATTCCTT.....ACAGAA	GAAGAACAAAGTTCTTTCTTTGATCTTTCC	AAAAAAT	AACCTTTTCTT	TATC	1451
Edmundoa lindenii var. rosea EU681903	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Erythrina speciosa KX213164	.....	.....	.....	.....	.....	630
Lantana camara AF315303	.....	.....	.....	.....	.....	1331
Macrocarpaea rubra KX904562	.....	.....	.....	.....	.....	387
Nematanthus maculatus JX196027	TTGGAAGAATTTCTT.....ATGTCG	GAAGAAGACGTTCTTTCTTTTACCTTCCC	...AAAAG	CTTCTTCCGCTT	....	1450
Nematanthus fluminensis JX196020	TTGGAAGAATTTCTT.....ATGTCG	GAAGAAGACGTTCTTTCTTTTACCTTCCC	...AAAAG	CTTCTTCCGCTT	....	1450
Nematanthus fritschii JX196022	TTGGAAGAATTTCTT.....ATGTCG	GAAGAAGACGTTCTTTCTTTTACCTTCCC	...AAAAG	CTTCTTCCGCTT	....	1450
Nematanthus gregarius JX196023	TTGGAAGAATTTCTT.....ATGTCG	GAAGAAGACGTTCTTTCTTTTACCTTCCC	...AAAAG	CTTCTTCCGCTT	....	1450
Nematanthus sericeus JX196031	TTGGAAGAATTTCTT.....ATGTCG	GAAGAAGACGTTCTTTCTTTTACCTTCCC	...AAAAG	CTTCTTCCGCTT	....	1450
Nidularium innocentii KU702753	.....	.....	.....	.....	.....	849
Nidularium procerum AY950013	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Sinningia cooperi JX196079	.....	.....	.....	.....	.....	901
Sinningia elatior JX196083	TTGGAAGAATTTCTT.....ATGTCG	GAAGAAGACGTTCTTTCTTTTATCTTCCC	...AAAAG	CTTCTTCCGCTT	....	1450
Sinningia glazioviana JX196085	TTGGAAGAATTTCTT.....ATGTCG	GAAGAAGACGTTCTTTCTTTTACCTTTCC	...AAAAG	CTTCTTCCGCTT	....	1450
Tillandsia geminiflora JN202273	.....	.....	.....	.....	.....	797
Tillandsia stricta KX754105	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Vriesea carinata AY614033	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Vriesea erythrodactylon JN202286	.....	.....	.....	.....	.....	797
Vriesea incurvata KT346228	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Canistrum superbum AY950025	TTAGAAGAATTTTTT.....ACGGAA	GAAGAACAAAGTTCTTTCTTTGATCTTCCC	CAAAACC	AACCCCTTTTCTT	....	1465
Amborella trichopoda DQ185522	TTGGACGAATTCCTT.....ACGGAG	GAACAAAGAGATTCTTTCCTTGATT	TTTCC	...AAAAA	CCCTTTC	1446
Magnolia grandiflora JN867587	TTGGAGGAATTCCTT.....ACAGAG	GAAGAACAAAGTTCTTTCTTTGATCTTCC	...AAAG	AACCTCTTCTCCTT	....	1450

Aechmea organensis JF295090	..TACATGGATC	ACGTCGAGAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1526
Aechmea distichantha var. glaziovii AY950041	..TACATGGATC	ACGTCGAGAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	CAACCTGGTG	AATCATTGA	...	1536
Aechmea gamosepala EU681835	..TACATGGATC	ACGTCGAGAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Aechmea nudicaulis var. nudicaulis AY614024	..TACATGGATC	ACGTCGAGAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Aechmea vanhoutteana KJ580004	.....	.....	.....	.....	.....	.....	.....	793
Billbergia amoena JX649243	..TACATGGATC	ACGTCGAGAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCAT	.....	1539
Canna paniculata KP083045	TTTATATGGATC	ATATAGAGAA	CGTATTTGGTATTTGGATATTAT	TCGCGTCAAT	CACCTAGT	AATAATTTT	TAC	1527
Edmundoa lindenii var. rosea EU681903	..TACATGGATC	ACGTCGAGAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Erythrina speciosa KX213164	.....	.....	.....	.....	.....	.....	.....	630
Lantana camara AF315303	.....	.....	.....	.....	.....	.....	.....	1331
Macrocarpaea rubra KX904562	.....	.....	.....	.....	.....	.....	.....	387
Nematanthus maculatus JX196027	..TGTGGGGAAT	ATATAGAAGT	CGGATTTGGTATTTGGATATTAT	TTGTATCAAT	GATCTGGCC	AATCTCAA	ATAA	1524
Nematanthus fluminensis JX196020	..TGTGGGGAAT	ATATAGAAGT	CGGATTTGGTATTTGGATATTAT	TTGTATCAAT	GATCTGGCC	AATCTCAA	ATAA	1524
Nematanthus fritschii JX196022	..TGTGGGGAAT	ATATAGAAGT	CGGATTTGGTATTTGGATATTAT	TTGTATCAAT	GATCTGGCC	AATCTCAA	ATAA	1524
Nematanthus gregarius JX196023	..TGTGGGGAAT	ATATAGAAGT	CGGATTTGGTATTTGGATATTAT	TTGTATCAAT	GATCTGGCC	AATCTCAA	ATAA	1524
Nematanthus sericeus JX196031	..TGTGGGGAAT	ATATAGAAGT	CGGATTTGGTATTTGGATATTAT	TTGTATCAAT	GATCTGGCC	AATCTCAA	ATAA	1524
Nidularium innocentii KU702753	.....	.....	.....	.....	.....	.....	.....	849
Nidularium procerum AY950013	..TACATGGATC	ACGTCGAGAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Sinningia cooperi JX196079	.....	.....	.....	.....	.....	.....	.....	901
Sinningia elatior JX196083	..TGTGTGGAAT	ATCTAGAAGT	CGGATTTGGTATTTGGATATTAT	TTGTATCAAT	GATCTGGCC	AATCTCAA	ATAA	1524
Sinningia glazioviana JX196085	..TGTGGGGAAT	ATATAGAAGT	CGGATTTGGTATTTGGATATTAT	TTGTATCAAT	GATCTGGCC	AATCTCAA	ATAA	1524
Tillandsia geminiflora JN202273	.....	.....	.....	.....	.....	.....	.....	797
Tillandsia stricta KX754105	..TACATGGATC	ACGTCGAGAA	CGTATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Vriesea carinata AY614033	..TACATGGATC	ACGTCGAGAA	CGTATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Vriesea erythrodactylon JN202286	.....	.....	.....	.....	.....	.....	.....	797
Vriesea incurvata KT346228	..TACATGGATC	ACGTCGAGAA	CGTATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Canistrum superbum AY950025	..TACATGGATC	ACGTCGAAAA	CATATTTGGTATTTGGATATTAT	CCGTATCAAT	AACCTGGTG	AATCATTGA	...	1536
Amborella trichopoda DQ185522	.....	CATAGTTGGA	CGAATTTGGTATTTGGATATTAT	CCGTATTCAT	AGTCTGGCC	AATCATTGA	...	1506
Magnolia grandiflora JN867587	..CTTATACG	TCAATAGAGAA	CGGATTTGGTATTTGGATATTAT	CCGTATCAAT	GACCTGGCC	AATCATTCA	TGA	1524

X non conserved  
X ≥ 50% conserved