

Tracing the botanical origins of UK heather honey by relative quantification of plant DNA.

Sophie Dodd^a, Zoltan Kevei^a, Zahra Karimi^a, Jane Jennifer Sumesh Kumar^a, Anastasios Koidis and Maria Anastasiadi^{a*}.

^a Centre for Soil, Agrifood and Biosciences, Faculty of Engineering and Applied Sciences, Cranfield University, College Road, Cranfield, MK43 0AL.

^bInstitute for Global Food Security, Queen's University of Belfast, Belfast, BT9 5BN.

* Corresponding authors: m.anastasiadi@cranfield.ac.uk

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***In silico* primer specificity testing of *Calluna vulgaris* marker CV_trnL using primer-BLAST**

PrimerBLAST search: nt database; plants (taxid 3193); shows all entries with up to 6 mismatches to primer pair and up to 2 mismatches in last 5 bp at 3' ends.

Summary table

No. mismatches to primers (F; R)	No. Species and Family.	Species (no. isolate matches in database).
0 ; 0	1 Family: Ericaceae (<i>Calluna</i> = 1).	<i>Calluna vulgaris</i> (211)
2 ; 1	9 Family: Ericaceae (<i>Rhododendron</i> = 3, <i>Menziesia</i> = 3, <i>Empetrum</i> = 1, <i>Coremia</i> = 1, <i>Daboecia</i> = 1, <i>Kalmia</i> = 1)	<i>Empetrum nigrum</i> (26), <i>Coremia album</i> (2), <i>Daboecia cantabrica</i> (2), <i>Kalmia procumbens</i> (1), <i>Rhododendron camtschaticum</i> (4), <i>Menziesia multiflora</i> (1), <i>Menziesia katsumatae</i> (1), <i>Menziesia goyozanensis</i> (1), <i>Rhododendron benhallii</i> (1).

3 ; 1	171 Family: Ericaceae (<i>Rhododendron</i> = 165, <i>Kalmia</i> = 4, <i>Menziesia</i> = 2)	Rhododendron delavayi (25), Rhododendron ferrugineum (6), Rhododendron nivale (1), Rhododendron rupicola (2), Rhododendron phaeochrysum (2), Rhododendron aganniphum (1), Rhododendron arboreum (96), Kalmia procumbens (23), Rhododendron sp. (36), Rhododendron decorum (18), Rhododendron williamsianum (4), Rhododendron mucronulatum (4), Rhododendron sichotense (2), Rhododendron dauricum (1), Rhododendron ledebourii (2), Rhododendron purdomii (1), Rhododendron ambiguum (2), Rhododendron przewalskii (2), Rhododendron stapfianum (1), Rhododendron fallacinum (8), Rhododendron planecostatum (1), Rhododendron crassifolium (5), Rhododendron buxifolium (4), Rhododendron rugosum (5), Rhododendron exuberans (1), Rhododendron lowii (2), Rhododendron suaveolens (5), Rhododendron stenophyllum (3), Rhododendron cuneifolium (2), Rhododendron praetervisum (2), Rhododendron javanicum (4), Rhododendron orbiculatum (2), Rhododendron borneense (1), Rhododendron acuminatum (1), Rhododendron bagobonum (1), Rhododendron anthopogonoides (1), Rhododendron capitatum (1), Rhododendron thymifolium (1), Rhododendron micranthum (4), Rhododendron calophytum (2), Rhododendron oreodoxa (1), Rhododendron minus (11), Rhododendron carolinianum (4), Rhododendron chapmanii (1), Rhododendron smokianum (2), Rhododendron shanii (1), Rhododendron duclouxii (12), Rhododendron spinuliferum (8), Rhododendron spiciferum (10), Rhododendron scabrifolium (5), Rhododendron mollicomum (1), Rhododendron virgatum (1), Kalmia angustifolia (2), Rhododendron emarginatum (1), Rhododendron himantodes (1), Rhododendron loranthiflorum (1), Rhododendron edanoi (1), Rhododendron konori (1), Rhododendron polyanthemum (1), Rhododendron macgregoriae (1), Rhododendron lochiaie (1), Rhododendron laetum (1), Rhododendron aurigeranum (1), Rhododendron retusum (1), Rhododendron zaleucum (1), Rhododendron lutescens (1), Rhododendron christianaie (1), Rhododendron xanthostephanum (1), Rhododendron auritum (1), Rhododendron racemosum (2), Rhododendron hirsutum (1), Rhododendron moupinense (1), Rhododendron tomentosum (2), Rhododendron tapetiforme (1), Rhododendron setosum (1), Rhododendron polycladum (1), Rhododendron nitidulum (1), Rhododendron hippophaeoides (1), Rhododendron fastigiatum (2), Rhododendron rubiginosum (1), Rhododendron bracteatum (1), Rhododendron charitopes (1), Rhododendron keysii (1), Rhododendron cinnabarinum (1), Rhododendron leucaspis (1), Rhododendron schlippenbachii (5),
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		<p> <i>Rhododendron pilosum</i> (1), <i>Rhododendron albrechtii</i> (3), <i>Rhododendron vaseyi</i> (1), <i>Rhododendron prunifolium</i> (1), <i>Rhododendron prinophyllum</i> (1), <i>Rhododendron periclymenoides</i> (1), <i>Rhododendron occidentale</i> (3), <i>Rhododendron cumberlandense</i> (1), <i>Rhododendron austrinum</i> (1), <i>Rhododendron atlanticum</i> (3), <i>Rhododendron arborescens</i> (1), <i>Rhododendron sherriffii</i> (1), <i>Rhododendron alutaceum</i> (1), <i>Rhododendron selense</i> (2), <i>Rhododendron smirnowii</i> (2), <i>Rhododendron ponticum</i> (4), <i>Rhododendron macrophyllum</i> (2), <i>Rhododendron degonianum</i> (3), <i>Rhododendron brachycarpum</i> (3), <i>Rhododendron elliottii</i> (1), <i>Rhododendron neriiflorum</i> (3), <i>Rhododendron strigillosum</i> (2), <i>Rhododendron annae</i> (1), <i>Rhododendron griersonianum</i> (3), <i>Rhododendron protistum</i> (1), <i>Rhododendron macabeanum</i> (2), <i>Rhododendron campylocarpum</i> (2), <i>Rhododendron auriculatum</i> (1), <i>Rhododendron thayerianum</i> (1), <i>Rhododendron ririei</i> (1), <i>Rhododendron albiflorum</i> (2), <i>Kalmia buxifolia</i> (3), <i>Rhododendron concinnum</i> (1), <i>Rhododendron henanense</i> (1), <i>Rhododendron molle</i> (1), <i>Rhododendron aureum</i> (6), <i>Rhododendron kawakamii</i> (1), <i>Rhododendron datiandingense</i> (1), <i>Rhododendron platypodum</i> (1), <i>Rhododendron cyanocarpum</i> (2), <i>Rhododendron lapponicum</i> (2), <i>Rhododendron groenlandicum</i> (1), <i>Rhododendron irroratum</i> (2), <i>Rhododendron insigne</i> (1), <i>Rhododendron eclectum</i> (1), <i>Rhododendron taliense</i> (1), <i>Rhododendron forrestii</i> (1), <i>Rhododendron mallotum</i> (1), <i>Rhododendron floccigerum</i> (1), <i>Rhododendron catacosmum</i> (1), <i>Rhododendron beanianum</i> (1), <i>Rhododendron pseudochrysanthum</i> (1), <i>Rhododendron anhweiense</i> (1), <i>Rhododendron tsariense</i> (1), <i>Rhododendron mengtszense</i> (1), <i>Rhododendron aberconwayi</i> (2), <i>Rhododendron grande</i> (1), <i>Rhododendron fulvum</i> (1), <i>Rhododendron praeevernum</i> (1), <i>Rhododendron orbiculare</i> (1), <i>Rhododendron rothschildii</i> (1), <i>Rhododendron wardii</i> (1), <i>Rhododendron campanulatum</i> (1), <i>Rhododendron barbatum</i> (1), <i>Rhododendron argyrophyllum</i> (1), <i>Rhododendron coryanum</i> (1), <i>Rhododendron adenopodum</i> (1), <i>Rhododendron lanigerum</i> (1), <i>Rhododendron agastum</i> (1), <i>Rhododendron maximum</i> (2), <i>Rhododendron hybrid</i> (4), <i>Kalmia latifolia</i> (3), <i>Rhododendron sinogrande</i> (1), <i>Rhododendron rex</i> (1), <i>Rhododendron edgeworthii</i> (1), <i>Rhododendron dimitrum</i> (1), <i>Rhododendron anthosphaerum</i> (1), <i>Rhododendron hyperythrum</i> (1), <i>Rhododendron ungeri</i> (1), <i>Rhododendron caucasicum</i> (1), <i>Rhododendron catawbiense</i> (1), <i>Menziesia pilosa</i> (2), <i>Menziesia ferruginea</i> (1), <i>Rhododendron quinquefolium</i> (2), <i>Rhododendron pentaphyllum</i> (2) </p>
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2 ; 2	2 Family: Zingiberaceae (<i>n</i> = 2)	Siphonochilus kirkii (4), Siphonochilus decorus (3),
1 ; 3	1 Family: Ericaceae (<i>Harrimanella</i> = 1)	Harrimanella hypnoides (1),

3 ; 2	<p>297</p> <p>Family: Theaceae (<i>n</i> = 112), Sapotaceae (<i>n</i> = 104), Bromeliaceae (<i>n</i> = 39), Orchidaceae (<i>n</i> = 14), Fabaceae (<i>n</i> = 12), Ericaceae (<i>Rhododendron</i> = 2, <i>Bejaria</i> = 1), Asteliaceae (<i>n</i> = 3), Zingiberaceae (<i>n</i> = 3), Olacaceae (<i>n</i> = 2), , Proteaceae (<i>n</i> = 2), Clethraceae (<i>n</i> = 1), Loasaceae (<i>n</i> = 1), Euphorbiaceae (<i>n</i> = 1).</p>	<p>Rhododendron pachypodum (1), Bulbophyllum mentosum (1), Senna obtusifolia (3), Camellia mingii (1), Astelia australiana (2), Manilkara zapota (3), Camellia weiningensis (1), Manilkara mochosia (1), Pradosia ptychandra (4), Pouteria rodriguesiana (2), Pouteria guianensis (4), Pouteria gongrijpii (5), Pouteria eugeniifolia (2), Pouteria egregia (2), Pouteria decorticans (1), Pouteria cladantha (1), Micropholis melinoniana (1), Micropholis guyanensis (8), Micropholis cayennensis (1), Manilkara huberi (1), Ragala sanguinolenta (2), Chrysophyllum prieurii (2), Chrysophyllum lucentifolium (1), Chrysophyllum cuneifolium (2), Caperonia stenophylla (1), Xantolis weimingii (1), Sideroxylon spinosum (3), Camellia costata (18), Senna rugosa (1), Psychopsis sanderae (2), Astelia alpina (2), Camellia melliana (1), Camellia tachangensis (17), Camellia pilosperma (1), Camellia gymnogyna (6), Camellia fangchengensis (5), Camellia quinquelocularis (1), Camellia impressinervis (2), Camellia cuspidate (1), Manilkara kauki (1), Camellia sinensis (8), Camellia sp. (5), Camellia pitardii (5), Camellia paucipetala (1), Camellia longistyla (1), Camellia kweichowensis (1), Camellia delicata (1), Phanerodiscus capuronii (2), Camellia reticulata (8), Camellia semiserrata (7), Camellia saluenensis (2), Camellia hongkongensis (1), Stewartia obovata (1), Stewartia micrantha (1), Hartia laotica (1), Stewartia crassifolia (3), Stewartia cordifolia (3), Stewartia sinii (3), Stewartia pteropetiolata (7), Stewartia villosa (3), Schima superba (13), Stewartia sinensis (11), Stewartia pseudocamellia (8), Stewartia malacodendron (6), Stewartia monadelphica (4), Stewartia ovata (9), Stewartia rostrata (4), Stewartia rubiginosa (2), Stewartia serrata (2), Palaquium sp. (3), Madhuca dubardii (2), Sideroxylon lanuginosum (1), Sideroxylon wightianum (1), Astelia pumila (6), Senna tora (4), Cryptochilus luteus (1), Eria siamensis (1), Cryptochilus strictus (1), Camellia euphlebia (2), Blumenbachia dissecta (1), Pachites bodkinii (3), Pachites appressus (1), Gordonia lasianthus (3), Schima argentea (8), Stewartia calcicole (1), Franklinia alatamaha (4), Camellia mairei (1), Gordonia brandegeei (1), Schima wallichii (11), Schima sinensis (8), Schima sericans (5), Schima remotiserrata (3), Schima noronhae (3), Schima multibracteata (1), Schima khasiana (7), Schima crenata (1), Schima brevipedicellata (4), Camellia salicifolia (2), Camellia liberistylodes (1), Camellia grijsii (2), Camellia danzaiensis (4), Camellia leptophylla (3), Camellia ptilophylla (3), Camellia pubescens (3), Camellia arborescens (2), Camellia kwangsiensis (3), Camellia huana (2), Pouteria campechiana (2), Camellia albosericea (1), Camellia pingguoensis (5), Camellia micrantha (3), Camellia</p>
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	<p>pubipetala (3), <i>Camellia wumingensis</i> (2), <i>Cephalanthera humilis</i> (1), <i>Senna reticulata</i> (1), <i>Pouteria splendens</i> (1), <i>Aechmea andersoniana</i> (1), <i>Hohenbergia portoricensis</i> (2), <i>Hohenbergia spinulosa</i> (2), <i>Aechmea amorimii</i> (1), <i>Hohenbergia penduliflora</i> (2), <i>Hohenbergia proctorii</i> (1), <i>Hohenbergia antillana</i> (1), <i>Aechmea patentissima</i> (2), <i>Aechmea sulbahianensis</i> (1), <i>Aechmea lingulatoidea</i> (3), <i>Hohenbergia distans</i> (1), <i>Hohenbergia jamaicana</i> (1), <i>Aechmea turbinocalyx</i> (1), <i>Ronnbergia brasiliensis</i> (2), <i>Aechmea pernambucensis</i> (1), <i>Aechmea bicolor</i> (1), <i>Hohenbergia inermis</i> (1), <i>Hohenbergia mesoamericana</i> (1), <i>Aechmea froesii</i> (1), <i>Hohenbergia caymanensis</i> (1), <i>Hohenbergia</i> sp. (1), <i>Aechmea maranguapensis</i> (1), <i>Aechmea incompta</i> (1), <i>Aechmea linharesiorum</i> (1), <i>Camellia magniflora</i> (1), <i>Camellia bailinshanica</i> (1), <i>Viridantha plumosa</i> (2), <i>Camellia omeiensis</i> (2), <i>Camellia oligophlebia</i> (1), <i>Camellia jinshajiangica</i> (1), <i>Camellia borealiyunnanica</i> (2), <i>Camellia brevipedicelata</i> (1), <i>Camellia lungshenensis</i> (2), <i>Camellia caudata</i> (2), <i>Camellia ptilosperma</i> (2), <i>Stewartia sichuanensis</i> (1), <i>Camellia minima</i> (1), <i>Camellia insularis</i> (1), <i>Pouteria viridis</i> (1), <i>Camellia nitidissima</i> (15), <i>Camellia longzhouensis</i> (1), <i>Camellia chrysanthoides</i> (5), <i>Camellia flavida</i> (1), <i>Camellia fascicularis</i> (2), <i>Camellia parvipetala</i> (2), <i>Camellia lienshanensis</i> (1), <i>Camellia bambusifolia</i> (1), <i>Schima parviflora</i> (2), <i>Schima</i> sp. (1), <i>Sophora</i> sp. (1), <i>Mimusops elengi</i> (2), <i>Camellia phellocapsa</i> (1), <i>Camellia macrosepala</i> (1), <i>Camellia limonia</i> (2), <i>Camellia hekouensis</i> (1), <i>Camellia euryoides</i> (1), <i>Camellia angustifolia</i> (1), <i>Camellia acutissima</i> (1), <i>Sapotaceae</i> sp. (2), <i>Ormosia bancana</i> (1), <i>Tainia acuminata</i> (1), <i>Camellia polyodonta</i> (1), <i>Camellia indochinensis</i> (1), <i>Rhododendron argyrophyllum</i> (1), <i>Mimusops coriacea</i> (1), <i>Astelia fragrans</i> (1), <i>Earina autumnalis</i> (2), <i>Banksia plumosa</i> (1), <i>Banksia carlinoides</i> (1), <i>Canistrum aurantiacum</i> (1), <i>Billbergia tweediana</i> (1), <i>Pouteria xerocarpa</i> (1), <i>Planchonella myrsinodendron</i> (1), <i>Niemeyera prunifera</i> (2), <i>Tieghemella heckelii</i> (1), <i>Tieghemella Africana</i> (1), <i>Baillonella toxisperma</i> (1), <i>Autranella congolensis</i> (1), <i>Pouteria aningeri</i> (1), <i>Gambeya subnuda</i> (1), <i>Gambeya lacourtiana</i> (1), <i>Gambeya gigantea</i> (1), <i>Gambeya Africana</i> (1), <i>Astelia nervosa</i> (2), <i>Camellia perpetua</i> (2), <i>Planchonella cinerea</i> (1), <i>Schima mertensiana</i> (2), <i>Camellia rostrata</i> (1), <i>Faucheria thouvenotii</i> (1), <i>Mimusops capuronii</i> (1), <i>Capurodendron madagascariense</i> (1), <i>Olax</i> sp. (1), <i>Camellia debaoensis</i> (1), <i>Synsepalum dulcificum</i> (3), <i>Camellia crapnelliana</i> (1), <i>Epipactis helleborine</i> (1), <i>Myrocarpus fastigiatus</i> (1), <i>Colloospermum microspermum</i> (1), <i>Colloospermum hastatum</i> (2), <i>Astelia nadeaudii</i> (1), <i>Astelia papuana</i> (1), <i>Astelia neocaledonica</i> (1), <i>Astelia menziesiana</i> (2), <i>Astelia</i></p>
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		<p> <i>argyrocoma</i> (1), <i>Astelia graminea</i> (1), <i>Astelia banksia</i> (2), <i>Pouteria caimito</i> (2), <i>Vitellaria paradoxa</i> (2), <i>Madhuca hainanensis</i> (1), <i>Camellia fraternal</i> (1), <i>Camellia chuongtsoensis</i> (1), <i>Sideroxylon cinereum</i> (1), <i>Stewartia tonkinensis</i> (2), <i>Stewartia laotica</i> (1), <i>Hohenbergia negrilensis</i> (1), <i>Senna gardneri</i> (1), <i>Pouteria singularis</i> (1), <i>Gomesa radicans</i> (1), <i>Xantolis siamensis</i> (1), <i>Van-royena castanosperma</i> (1), <i>Synsepalum passargei</i> (1), <i>Sarcaulus brasiliensis</i> (1), <i>Pradosia surinamensis</i> (1), <i>Pradosia brevipes</i> (1), <i>Pouteria vernicosa</i> (1), <i>Sersalisia sericea</i> (1), <i>Pouteria multiflora</i> (1), <i>Pouteria macrophylla</i> (1), <i>Planchonella linggensis</i> (1), <i>Planchonella howeana</i> (1), <i>Pouteria hispida</i> (1), <i>Pouteria gardneriana</i> (1), <i>Micropholis egensis</i> (1), <i>Pouteria domingensis</i> (1), <i>Pouteria alnifolia</i> (1), <i>Planchonella kaalaensis</i> (1), <i>Pichonia daenikeri</i> (1), <i>Pichonia balansana</i> (1), <i>Omphalocarpum pachysteloides</i> (1), <i>Pycnandra francii</i> (1), <i>Amorphospermum antilogum</i> (1), <i>Neohemsleya usambarensis</i> (1), <i>Micropholis venulose</i> (1), <i>Leptostylis filipes</i> (1), <i>Planchonella baillonii</i> (1), <i>Englerophytum natalense</i> (1), <i>Englerophytum magalismsontanum</i> (1), <i>Elaeoluma schomburgkiana</i> (1), <i>Ecclinusa ramiflora</i> (1), <i>Ecclinusa guianensis</i> (1), <i>Diploon cuspidatum</i> (1), <i>Delpyodora macrophylla</i> (1), <i>Delpyodora gracilis</i> (1), <i>Chrysophyllum venezuelanense</i> (1), <i>Chrysophyllum fenerivense</i> (1), <i>Chrysophyllum pruniforme</i> (1), <i>Chrysophyllum boivinianum</i> (1), <i>Chrysophyllum bangweolense</i> (1), <i>Breviea sericea</i> (1), <i>Pleioluma sebertii</i> (1), <i>Pleioluma baueri</i> (1), <i>Aubreggrinia taiensis</i> (1), <i>Elaeoluma glabrescens</i> (1), <i>Chrysophyllum imperial</i> (1), <i>Chromolucuma rubriflora</i> (1), <i>Swartzia panacoco</i> (1), <i>Swartzia myrtifolia</i> (1), <i>Swartzia acutifolia</i> (1), <i>Bulbophyllum aubrevillei</i> (1), <i>Madhuca macrophylla</i> (1), <i>Argania spinosa</i> (1), <i>Aulotandra trialata</i> (1), <i>Aulotandra cf. trigonocarpa</i> (3), <i>Siphonochilus aethiopicus</i> (1), <i>Stewartia gemmate</i> (1), <i>Isotropis forrestii</i> (2), <i>Bejaria aestuans</i> (1), <i>Eberhardtia tonkinensis</i> (1), <i>Clethra fabri</i> (1), <i>Psychopsis papilio</i> (2), <i>Planchonella novozelandica</i> (1), </p>
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2 ; 3	5 Family: Campanulaceae (<i>n</i> = 5)	Codonopsis atriplicifolia (2), Codonopsis javanica (1), Cyananthus lobatus (1), Codonopsis bhutanica (1), Leptocodon hirsutus (1),
4 ; 2	5 Family: Orchidaceae (<i>n</i> = 4), Bromeliaceae (<i>n</i> = 1).	Tainia dunnii (2), Tainia cordifolia (4), Hohenbergia laesslei (1), Tainia sp. (1), Tainia macrantha (1),
3 ; 3	11 Family: Orchidaceae (<i>n</i> = 4), Ericaceae (<i>Vaccinium</i> = 2), Betulaceae (<i>n</i> = 1), Fabaceae (<i>n</i> = 1), Campanulaceae (<i>n</i> = 1), Bromeliaceae (<i>n</i> = 1), Solanaceae (<i>n</i> = 1).	Eria coronaria (1), Mesoamerantha guatemalensis (1), Zygostates apiculate (1), Zygostates grandiflora (1), Zygostates alleniana (1), Solanum cheesmaniae (1), Vaccinium oxycoccos (3), Vaccinium microcarpum (2), Alnus incana (1), Chamaecrista ericifolia (1), Cyclocodon axillaris (1),

Primer-BLAST results for *Calluna vulgaris* marker with multiple isolates removed.

>[OZ071054.1](#) *Calluna vulgaris* genome assembly, organelle:
plastid:chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 24330 24309

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 24233 24256

>[LT606490.1](#) *Empetrum nigrum* chloroplast genomic DNA containing
trnL(UAA) intron region, isolate L600-2-8 - Sequence 4

product length = 97

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 307C.....A 328

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 403A 380

>[OZ076487.1](#) Corema album genome assembly, organelle:
plastid:chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 159880C.....A 159859

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 159783A 159806

>[KP737379.1](#) Daboecia cantabrica tRNA-Leu (trnL) gene, partial
sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-
Phe gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 387C.....A 408

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 484A 461

>[MT779562.1](#) Kalmia procumbens voucher OLD06733 trnL-trnF intergenic
spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 359C.....A 380

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 456A 433

>[MT779552.1](#) *Rhododendron camtschaticum* voucher 100317 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[AB080038.1](#) *Menziesia multiflora* chloroplast trnL gene, intron
sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 406A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 503A 480

>[AB080037.1](#) *Menziesia katsumatae* chloroplast trnL gene, intron
sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 406A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503A 480

>[AB080036.1](#) *Menziesia goyozanensis* chloroplast trnL gene, intron sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 406A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503A 480

>[AB080034.1](#) *Rhododendron benhallii* chloroplast trnL gene, intron sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 406A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503A 480

>[NC_047438.1](#) *Rhododendron delavayi* var. *delavayi* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 11894C.A.....A 11915

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 11991A 11968

>[MK262861.1](#) *Rhododendron ferrugineum* isolate TER01 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 381C.A.....A 402

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 478A 455

>[PQ536991.1](#) *Rhododendron nivale* subsp. boreale chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11278C.A.....A 11299

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11375A 11352

>[PQ550124.1](#) *Rhododendron rupicola* chloroplast, partial genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11507C.A.....A 11528

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11604A 11581

>[PQ550123.1](#) *Rhododendron phaeochrysum* chloroplast, partial genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11898C.A.....A 11919

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11995A 11972

>[PQ550122.1](#) Rhododendron aganniphum chloroplast, partial genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11898C.A.....A 11919

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11995A 11972

>[MF683824.1](#) Rhododendron arboreum isolate TNORA618 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 348C.A.....A 369

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 445A 422

>[LT160662.1](#) Kalmia procumbens chloroplast genomic DNA containing tRNA-Leu (trnL) region

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 412 ..C...C.....A 433

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 509A 486

>[KY853193.1](#) *Rhododendron* sp. SZ-2017 isolate SBSH9 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407C.A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504A 481

>[KY853181.1](#) *Rhododendron decorum* isolate SBSD5 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407C.A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504A 481

>[NC 088748.1](#) *Rhododendron williamsianum* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11887C.A.....A 11908

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11984A 11961

>[KY486316.1](#) *Rhododendron mucronulatum* isolate R.m-Oblach-1 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 374C.A.....A 395

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 471A 448

>[KY486315.1](#) *Rhododendron sichotense* isolate R.s-Amgu-5 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 374C.A.....A 395

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 471A 448

>[KY486313.1](#) *Rhododendron dauricum* isolate R.d-Arsh-1 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 376C.A.....A 397

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 473A 450

>[KY486312.1](#) *Rhododendron ledebourii* isolate R.l-Y-4 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 375C.A.....A 396

```
Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        472      .....A  449
```

>[NC 086505.1](#) *Rhododendron purdomii* chloroplast, complete genome

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        11886     .....C.A.....A  11907
```

```
Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        11983     .....A  11960
```

>[NC 083984.1](#) *Rhododendron ambiguum* chloroplast, complete genome

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        11837     .....C.A.....A  11858
```

```
Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        11934     .....A  11911
```

>[OQ054014.1](#) *Rhododendron przewalskii* subsp. *przewalskii* chloroplast, complete genome

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        11883     .....C.A.....A  11904
```

```
Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        11980     .....A  11957
```

>[KP979097.1](#) *Rhododendron stapfianum* voucher SNP.21910 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 364C.A.....A 385

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 461A 438

>[KP979095.1](#) *Rhododendron fallacinum* voucher SNP.28502 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 354C.A.....A 375

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 451A 428

>[KP979092.1](#) *Rhododendron planecostatum* voucher SNP.21930 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363C.A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 460A 437

>[KP979089.1](#) *Rhododendron crassifolium* voucher SNP.21940 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        363    .....C.A.....A  384

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        460    .....A  437
```

>[KP979085.1](#) *Rhododendron buxifolium* voucher SNP.32304 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        363    .....C.A.....A  384

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        460    .....A  437
```

>[KP979083.1](#) *Rhododendron rugosum* voucher SNP.28508 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        363    .....C.A.....A  384

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        460    .....A  437
```

>[KP979080.1](#) *Rhododendron exuberans* voucher SNP.21911 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        363    .....C.A.....A  384

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
```

Template 460A 437

>[KP979073.1](#) Rhododendron lowii voucher SNP.32305 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363C.A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 460A 437

>[KP979071.1](#) Rhododendron suaveolens voucher SNP.21914 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 364C.A.....A 385

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 461A 438

>[KP979068.1](#) Rhododendron stenophyllum voucher SNP.28517 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363C.A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 460A 437

>[KP979064.1](#) *Rhododendron cuneifolium* voucher SNP.28514 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 354C.A.....A 375

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 451A 428

>[KP979062.1](#) *Rhododendron praetervisum* voucher SNP.21944 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363C.A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 460A 437

>[KP979054.1](#) *Rhododendron javanicum* voucher SNP.21939 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363C.A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 460A 437

>[KP979050.1](#) *Rhododendron orbiculatum* voucher SNP.21955 trnL-trnF intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 363C.A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 460A 437

>[KP979042.1](#) Rhododendron borneense voucher SNP.21936 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 354C.A.....A 375

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 451A 428

>[KP979034.1](#) Rhododendron acuminatum voucher SNP.28509 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 354C.A.....A 375

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 451A 428

>[KP979004.1](#) Rhododendron bagobonum voucher SNP.21907 trnL-trnF
intergenic spacer region, partial sequence; mitochondrial

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 363C.A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 460A 437

>[NC 069024.1](#) *Rhododendron anthopogonoides* voucher Herbarium of Qinghai Hospital of Traditional Chinese Medicine chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 17278C.A.....A 17299

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 17375A 17352

>[NC 067871.1](#) *Rhododendron capitatum* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11771C.A.....A 11792

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11868A 11845

>[NC 067870.1](#) *Rhododendron thymifolium* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11775C.A.....A 11796

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11872A 11849

>[NC 065477.1](#) *Rhododendron micranthum* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 12140C.A.....A 12161

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 12237A 12214

>[NC 061396.1](#) Rhododendron calophytum chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 11922C.A.....A 11943

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 12019A 11996

>[OL639014.1](#) Rhododendron oreodoxa var. fargesii chloroplast,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 11883C.A.....A 11904

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 11980A 11957

>[MT990971.1](#) Rhododendron minus isolate 2254 trnL-trnF intergenic
spacer region, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT990965.1](#) Rhododendron carolinianum isolate 2248 trnL-trnF intergenic spacer region, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT990961.1](#) Rhododendron chapmanii isolate 2244 trnL-trnF intergenic spacer region, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT990960.1](#) Rhododendron smokianum isolate 2243 trnL-trnF intergenic spacer region, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MW374796.1](#) Rhododendron shanii chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11839C.A.....A 11860

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11936A 11913

>[MZ493266.1](#) Rhododendron duclouxii isolate 1103 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 382C.A.....A 403

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 479A 456

>[MZ493253.1](#) Rhododendron spinuliferum isolate 399 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 382C.A.....A 403

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 479A 456

>[MZ493248.1](#) Rhododendron spiciferum isolate 1124 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 384C.A.....A 405

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 481A 458

>[MZ493239.1](#) Rhododendron scabrifolium isolate 1097 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 382C.A.....A 403

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 479A 456

>[KC195979.1](#) Rhododendron mollicomum voucher GLM-123334 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483A 460

>[KC195978.1](#) Rhododendron virgatum voucher 2203 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 483A 460

>[MT779561.1](#) *Kalmia angustifolia* voucher OLD06732 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357 ..C...C.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779551.1](#) *Rhododendron emarginatum* voucher 1997/094 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 361C.A.....A 382

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 458A 435

>[MT779550.1](#) *Rhododendron himantodes* voucher 1997/020 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779549.1](#) *Rhododendron loranthiflorum* voucher 1997/025 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 462A 439

>[MT779548.1](#) *Rhododendron edanoi* voucher 2002/388 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 462A 439

>[MT779547.1](#) *Rhododendron konori* voucher 2001/003 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 462A 439

>[MT779546.1](#) *Rhododendron polyanthemum* voucher 1994/013 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 462A 439

>[MT779545.1](#) *Rhododendron macgregoriae* voucher 2007/614 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 462A 439

>[MT779544.1](#) *Rhododendron lochiaie* voucher 1972/109 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 360C.A.....A 381

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 457A 434

>[MT779543.1](#) *Rhododendron laetum* voucher 1973/020 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 462A 439

>[MT779541.1](#) *Rhododendron aurigeranum* voucher 1986/003 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 462A 439

>[MT779540.1](#) *Rhododendron retusum* voucher 1973/064 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 453A 430

>[MT779539.1](#) *Rhododendron zaleucum* voucher 2002/1096b trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779533.1](#) *Rhododendron lutescens* voucher 100362 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT779531.1](#) *Rhododendron christianae* voucher 2002/375 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 365C.A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 462A 439

>[MT779526.1](#) *Rhododendron xanthostephanum* voucher 100474 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779525.1](#) *Rhododendron auritum* voucher 101052 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779522.1](#) *Rhododendron racemosum* voucher OLD00795 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779518.1](#) *Rhododendron hirsutum* voucher OLD00789 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 323C.A.....A 344

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 420A 397

>[MT779516.1](#) *Rhododendron moupinense* voucher 100374 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455A 432

>[MT779512.1](#) *Rhododendron tomentosum* voucher 100426 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT779511.1](#) *Rhododendron tapetiforme* voucher 101054 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779510.1](#) *Rhododendron setosum* voucher 2010/384 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 362C.A.....A 383

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 459A 436

>[MT779508.1](#) *Rhododendron polycladum* voucher 100392 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 278C.A.....A 299

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 375A 352

>[MT779507.1](#) *Rhododendron nitidulum* voucher 100377 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779506.1](#) *Rhododendron hippophaeoides* voucher 100353 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779505.1](#) *Rhododendron fastigiatum* voucher 100343 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779504.1](#) *Rhododendron rubiginosum* voucher 100404 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779503.1](#) *Rhododendron bracteatum* voucher 100848 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779502.1](#) *Rhododendron charitopes* voucher 100866 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 453A 430

>[MT779500.1](#) *Rhododendron keysii* voucher 100748 trnL-trnF intergenic
spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779499.1](#) *Rhododendron cinnabarinum* voucher 100322 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT779497.1](#) *Rhododendron leucaspis* voucher 100468 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779495.1](#) *Rhododendron schlippenbachii* voucher 100408 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455A 432

>[MT779494.1](#) *Rhododendron pilosum* voucher 1266 trnL-trnF intergenic
spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779492.1](#) *Rhododendron albrechtii* voucher 100005 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779491.1](#) *Rhododendron vaseyi* voucher 100431 trnL-trnF intergenic
spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 453A 430

>[MT779489.1](#) *Rhododendron prunifolium* voucher 101046 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 453A 430

>[MT779488.1](#) *Rhododendron prinophyllum* voucher 100397 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 355C.A.....A 376

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 452A 429

>[MT779487.1](#) *Rhododendron periclymenoides* voucher 100391 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 453A 430

>[MT779486.1](#) *Rhododendron occidentale* voucher 100380 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 453A 430

>[MT779484.1](#) Rhododendron cumberlandense voucher 101045 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 453A 430

>[MT779483.1](#) Rhododendron austrinum voucher 100456 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779482.1](#) Rhododendron atlanticum voucher 100013 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 453A 430

>[MT779480.1](#) *Rhododendron arborescens* voucher 101044 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 453A 430

>[MT779477.1](#) *Rhododendron sherriffii* voucher 100795 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT779473.1](#) *Rhododendron alutaceum* voucher 100821 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT779472.1](#) *Rhododendron selense* voucher 100412 trnL-trnF intergenic
spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455A 432

>[MT779471.1](#) *Rhododendron smirnowii* voucher 100417 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779470.1](#) *Rhododendron ponticum* voucher 100393 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 453A 430

>[MT779469.1](#) *Rhododendron macrophyllum* voucher 100837 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455A 432

>[MT779468.1](#) *Rhododendron degronianum* voucher 100338 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 356C.A.....A 377

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 453A 430

>[MT779467.1](#) *Rhododendron brachycarpum* voucher 100248 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779466.1](#) *Rhododendron elliottii* voucher 100496 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 109

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 465A 442

>[MT779465.1](#) *Rhododendron neriiflorum* voucher 1999/259 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779464.1](#) *Rhododendron strigillosum* voucher 100420 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT779463.1](#) *Rhododendron annae* voucher 100794 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 355C.A.....A 376

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 452A 429

>[MT779462.1](#) *Rhododendron griersonianum* voucher 100483 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455A 432

>[MT779461.1](#) Rhododendron protistum voucher 100880 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 373C.A.....A 394

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 470A 447

>[MT779459.1](#) Rhododendron macabeanum voucher 100467 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 373C.A.....A 394

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 470A 447

>[MT779454.1](#) Rhododendron campylocarpum voucher 100315 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455A 432

>[MT779453.1](#) *Rhododendron auriculatum* voucher 100016 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779452.1](#) *Rhododendron thayerianum* voucher 100856 trnL-trnF
intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454A 431

>[MT779451.1](#) *Rhododendron ririei* voucher 100889 trnL-trnF intergenic
spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 358C.A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455A 432

>[MT779448.1](#) *Rhododendron albiflorum* voucher 2007/083d trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454A 431

>[MT505833.1](#) *Kalmia buxifolia* isolate MtLeConte_3 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 353 ..C...C.....A 374

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 450A 427

>[MT239366.1](#) *Rhododendron concinnum* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11844C.A.....A 11865

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11941A 11918

>[MT239363.1](#) *Rhododendron henanense* subsp. *lingbaoense* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11906C.A.....A 11927

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 12003A 11980

>[MZ073672.1](#) Rhododendron molle chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11923C.A.....A 11944

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 12020A 11997

>[KC690314.1](#) Rhododendron aureum haplotype E trNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 379C.A.....A 400

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 476A 453

>[NC_058233.1](#) Rhododendron kawakamii chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 96112C.A.....A 96133

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 96209A 96186

>[NC 057644.1](#) *Rhododendron datianingense* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 110803C.A.....A 110824

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 110900A 110877

>[NC 053746.1](#) *Rhododendron platypodum* voucher LH Ma Wulong 2020516 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 11890C.A.....A 11911

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 11987A 11964

>[HM636522.1](#) *Rhododendron cyanocarpum* isolate RCCF trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 257C.A.....A 278

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 354A 331

>[GQ245396.1](#) *Rhododendron lapponicum* tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 412C.A.....A 433

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 509A 486

>[GQ245395.1](#) *Rhododendron groenlandicum* tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 412C.A.....A 433

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 509A 486

>[FJ807957.1](#) *Rhododendron irroratum* isolate ITDP0501 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 545C.A.....A 524

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 448A 471

>[EU087425.1](#) *Rhododendron insigne* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 316C.A.....A 337

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 413A 390

>[EU087419.1](#) *Rhododendron eclectum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 316C.A.....A 337

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 413A 390

>[EU087415.1](#) *Rhododendron taliense* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 316C.A.....A 337

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 413A 390

>[EU087408.1](#) *Rhododendron forrestii* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 316C.A.....A 337

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 413A 390

>[EU087406.1](#) *Rhododendron mallotum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 316C.A.....A 337

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 413A 390

>[EU087405.1](#) *Rhododendron floccigerum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 315C.A.....A 336

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 412A 389

>[EU087402.1](#) *Rhododendron catacosmum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 315C.A.....A 336

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 412A 389

>[EU087401.1](#) *Rhododendron beanianum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        317    .....C.A.....A  338

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        414    .....A  391
```

>[EU087400.1](#) *Rhododendron pseudochrysanthum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        315    .....C.A.....A  336

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        412    .....A  389
```

>[EU087397.1](#) *Rhododendron anhweiense* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        316    .....C.A.....A  337

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        413    .....A  390
```

>[EU087396.1](#) *Rhododendron tsariense* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        314    .....C.A.....A  335

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
```

Template 411A 388

>[EU087394.1](#) Rhododendron mengtzensense tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 315C.A.....A 336

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 412A 389

>[EU087392.1](#) Rhododendron aberconwayi tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 315C.A.....A 336

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 412A 389

>[EU087385.1](#) Rhododendron grande tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 331C.A.....A 352

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 428A 405

>[EU087384.1](#) Rhododendron fulvum tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 317C.A.....A 338

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 414A 391

>[EU087381.1](#) *Rhododendron praeevernum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 316C.A.....A 337

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 413A 390

>[EU087378.1](#) *Rhododendron orbiculare* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 315C.A.....A 336

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 412A 389

>[EU087374.1](#) *Rhododendron rothschildii* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 332C.A.....A 353

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 429A 406

>[EU087371.1](#) *Rhododendron wardii* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 317C.A.....A 338

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 414A 391

>[EU087369.1](#) *Rhododendron campanulatum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 314C.A.....A 335

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 411A 388

>[EU087367.1](#) *Rhododendron barbatum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 331C.A.....A 352

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 428A 405

>[EU087365.1](#) *Rhododendron argyrophyllum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 315C.A.....A 336

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 412A 389

>[EU087364.1](#) *Rhododendron coryanum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 315C.A.....A 336

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 412A 389

>[EU087363.1](#) *Rhododendron adenopodum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 316C.A.....A 337

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 413A 390

>[EU087362.1](#) *Rhododendron lanigerum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        315    .....C.A.....A  336

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        412    .....A  389
```

>[DQ784107.1](#) Rhododendron agastum isolate ATSZ0501 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        406    .....C.A.....A  427

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        503    .....A  480
```

>[AJ626922.1](#) Rhododendron maximum chloroplast partial tRNA-Leu gene for transfer RNA-Leu and partial trnL-F intergenic spacer region

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        396    .....C.A.....A  417

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        493    .....A  470
```

>[AJ626921.1](#) Rhododendron hybrid cultivar 'Hillier' chloroplast partial tRNA-Leu gene for transfer RNA-Leu, isolate B and partial trnL-F intergenic spacer region and partial trnL-F intergenic spacer region

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        396    .....C.A.....A  417
```

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 493A 470

>[AJ626917.1](#) *Kalmia latifolia* chloroplast partial tRNA-Leu gene for transfer RNA-Leu, isolate B and partial trnL-F intergenic spacer region and partial trnL-F intergenic spacer region

product length = 99

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 398 ..C...C.....A 419

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 496A 473

>[DQ999966.1](#) *Rhododendron sinogrande* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 403C.A.....A 424

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 500A 477

>[DQ999961.1](#) *Rhododendron rex* subsp. *fictolacteum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 387C.A.....A 408

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 484A 461

>[DQ999959.1](#) Rhododendron edgeworthii tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483A 460

>[DQ999958.1](#) Rhododendron dimitrum tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 109

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 494A 471

>[DQ999956.1](#) Rhododendron anthosphaerum tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 387C.A.....A 408

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 484A 461

>[AY496922.1](#) Rhododendron hyperythrum tRNA-Leu gene and trnL-trnF spacer sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 385C.A.....A 406

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 482A 459

>[AY496919.1](#) *Rhododendron ungeri* tRNA-Leu gene and trnL-trnF spacer sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483A 460

>[AY496916.1](#) *Rhododendron caucasicum* tRNA-Leu gene and trnL-trnF spacer sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483A 460

>[AY496915.1](#) *Rhododendron catawbiense* tRNA-Leu gene and trnL-trnF spacer sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 483A 460

>[AF452224.1](#) *Menziesia pilosa* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer region, partial sequence; chloroplast gene for chloroplast product

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 483A 460

>[AF452223.1](#) *Menziesia ciliicalyx* var. *multiflora* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer region, partial sequence; chloroplast gene for chloroplast product

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 483A 460

>[AF452215.1](#) *Rhododendron nipponicum* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer region, partial sequence; chloroplast gene for chloroplast product

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 382C.A.....A 403

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 479A 456

>[AF452207.1](#) *Rhododendron santapau* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer region, partial sequence; chloroplast gene for chloroplast product

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 389C.A.....A 410

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 486A 463

>[AF394255.1](#) *Rhododendron primuliflorum* chloroplast tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483A 460

>[AF394253.1](#) *Rhododendron trichocladum* chloroplast tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 380C.A.....A 401

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 477A 454

>[AF394252.1](#) *Ledum palustre* var. *palustre* chloroplast tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 387C.A.....A 408

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 484A 461

>[AF394247.1](#) *Rhododendron fortunei* chloroplast tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483A 460

>[AB038842.1](#) *Rhododendron keiskei* chloroplast gene, intron of trnL, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 388C.A.....A 409

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 485A 462

>[AB038840.1](#) *Rhododendron pentaphyllum* chloroplast gene, intron of trnL, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 388C.A.....A 409

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 485A 462

>[AB038838.1](#) Rhododendron quinquefolium chloroplast gene, intron of trnL, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 388C.A.....A 409

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 485A 462

>[AB038836.1](#) Rhododendron nipponicum chloroplast gene, intron of trnL, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483A 460

>[AB080043.1](#) Rhododendron semibarbatum chloroplast trnL gene, intron sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 406 ..C.....A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503A 480

>[AB080042.1](#) *Rhododendron kaempferi* chloroplast trnL gene, intron sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 406 ..C.....A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503A 480

>[AB080040.1](#) *Menziesia pilosa* chloroplast trnL gene, intron sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 406A...A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503A 480

>[AB080035.1](#) *Menziesia ferruginea* chloroplast trnL gene, intron sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 406A...A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503A 480

>[MH603442.1](#) *Siphonochilus kirkii* voucher Zomlefer et al 2300 (FTG, NY) isolate 2004-0324A plastid, partial genome

product length = 104

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 48023 ...A.....A 48044

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 48126 .T.....A 48103

>[LT160660.1](#) *Harrimanella hypnoides* chloroplast genomic DNA containing tRNA-Leu (trnL) region

product length = 97

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 418C..... 439

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 514 AC.....A 491

>[AY994539.1](#) *Siphonochilus decorus* voucher NMNH 00-135 tRNA-Leu gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe gene, partial sequence; chloroplast

product length = 104

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 439 ...A.....A 460

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 542 .T.....A 519

>[AF394249.1](#) *Rhododendron pachypodum* chloroplast tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 386C.A.....A 407

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 483 T.....A 460

>[NC 048482.1](#) Bulbophyllum mentosum voucher C. Fiorini, 323 (HBCB)
chloroplast, complete genome

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 47321 ...A.....A.....A 47342

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 47413 .T.....A 47390

>[NC 047283.1](#) Senna obtusifolia chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 53272 ...A.....A.....A 53293

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 53369 .T.....A 53346

>[NC 046699.1](#) Camellia mingii voucher S. X. Yang 5610 plastid,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50002 ...A.....A.....A 50023

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50099 .T.....A 50076

>[NC_045865.1](#) *Astelia australiana* isolate 13384 voucher 13384
chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 49450 ...A.....A 49471

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 49547 .T.....A 49524

>[MN295595.1](#) *Manilkara zapota* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50711 ...A.....A 50732

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50808 .T.....A 50785

>[MK820035.1](#) *Camellia weiningensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 49634 ...A.....A 49655

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 49731 .T.....A 49708

>[MK187141.1](#) *Manilkara mochisia* voucher JG-16-P05_H3 tRNA-Leu (trnL)
gene, partial sequence; trnL-trnF intergenic spacer, complete
sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 410 ...A.....A.....A 431

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 507 .T.....A 484

>[MK797536.1](#) Pradosia ptychandra voucher LV109316 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 284 ...A.....A.....A 305

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 381 .T.....A 358

>[MK797531.1](#) Pouteria rodriguesiana voucher A110022 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363 ...A.....A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 460 .T.....A 437

>[MK797528.1](#) Pouteria guianensis voucher NH200008 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363 ...A.....A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 460 .T.....A 437

>[MK797525.1](#) *Pouteria gongrijpii* voucher P01860033 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 367 ...A.....A 388

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 464 .T.....A 441

>[MK797520.1](#) *Pouteria eugeniifolia* voucher A110009 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 358 ...A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455 .T.....A 432

>[MK797519.1](#) *Pouteria egregia* voucher B422016 tRNA-Leu(UAA) (trnL)
gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 394 ...A.....A 415

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 491 .T.....A 468

>[MK797517.1](#) *Pouteria decorticans* voucher NH200123 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 341 ...A.....A.....A 362

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 438 .T.....A 415

>[MK797516.1](#) *Pouteria cladantha* voucher NH200203 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 336 ...A.....A.....A 357

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 433 .T.....A 410

>[MK797444.1](#) *Micropholis melinoniana* voucher A110164 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 362 ...A.....A.....A 383

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 459 .T.....A 436

>[MK797443.1](#) *Micropholis guyanensis* voucher LV109265 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 313 ...A.....A.....A 334

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 410 .T.....A 387

>[MK797435.1](#) *Micropholis cayennensis* voucher NH200222 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357 ...A.....A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454 .T.....A 431

>[MK797415.1](#) *Manilkara huberi* voucher NH200285 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 358 ...A.....A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 455 .T.....A 432

>[MK797159.1](#) *Ragala sanguinolenta* voucher B420004 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 366 ...A.....A.....A 387

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 463 .T.....A 440

>[MK797157.1](#) Chrysophyllum prieurii voucher B437055 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 354 ...A.....A.....A 375

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 451 .T.....A 428

>[MK797156.1](#) Chrysophyllum lucentifolium voucher NL110055 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 363 ...A.....A.....A 384

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 460 .T.....A 437

>[MK797155.1](#) Chrysophyllum cuneifolium voucher B435039 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 365 ...A.....A.....A 386

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 462 .T.....A 439

>[MK797127.1](#) Caperonia stenophylla voucher OT3161 tRNA-Leu(UAA)
(trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 342 ...A.....A.....A 363

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 439 .T.....A 416

>[PV548271.1](#) Xantolis weimingii isolate ES2450 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50525 ...A.....A.....A 50546

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50622 .T.....A 50599

>[OZ249363.1](#) Sideroxylon spinosum genome assembly, chromosome: 7A

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 32155018 ...A.....A.....A 32155039

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 32155115 .T.....A 32155092

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 21634174 ...A.....A.....A 21634153

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 21634077 .T.....A 21634100

>[PV424010.1](#) *Camellia costata* isolate RJ chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50071 ...A.....A.....A 50092

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50168 .T.....A 50145

>[MK390628.1](#) *Senna rugosa* voucher A.O. Souza 201 (UFG) tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 414 ...A.....A.....A 435

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 511 .T.....A 488

>[PV340847.1](#) *Psychopsis sanderae* voucher MHLi or156 chloroplast, complete genome

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 47912 ...A.....A.....A 47933

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 48004 .T.....A 47981

>[PV409670.1](#) *Astelia alpina* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 49282 ...A.....A.....A 49303

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 49379 .T.....A 49356

>[PV345991.1](#) *Camellia melliana* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50055 ...A.....A.....A 50076

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50152 .T.....A 50129

>[OQ503626.1](#) *Camellia tachangensis* var. *remotiserrata* isolate YH04 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50065 ...A.....A.....A 50086

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50162 .T.....A 50139

>[OQ503616.1](#) *Camellia pilosperma* isolate re429 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 49977 ...A.....A.....A 49998

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50074 .T.....A 50051

>[OQ503599.1](#) *Camellia gymnogyna* isolate re400 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 50066 ...A.....A 50087

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50163 .T.....A 50140

>[OQ503598.1](#) *Camellia fangchengensis* isolate re381 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 50034 ...A.....A 50055

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50131 .T.....A 50108

>[OQ503555.1](#) *Camellia quinquelocularis* isolate PA02 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 49996 ...A.....A 50017

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50093 .T.....A 50070

>[OQ503554.1](#) *Camellia impressinervis* isolate KM35 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50050 ...A.....A.....A 50071

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50147 .T.....A 50124

>[OQ503549.1](#) *Camellia cuspidata* isolate KM6 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50048 ...A.....A.....A 50069

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50145 .T.....A 50122

>[PV010369.1](#) *Manilkara kauki* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 51001 ...A.....A.....A 51022

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 51098 .T.....A 51075

>[PQ539953.1](#) *Camellia* sp. XX-2024b chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49976 ...A.....A.....A 49997

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50073 .T.....A 50050

>[PQ539952.1](#) *Camellia pitardii* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50128 ...A.....A 50149

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50225 .T.....A 50202

>[PQ539951.1](#) *Camellia paucipetala* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50145 ...A.....A 50166

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50242 .T.....A 50219

>[PQ539950.1](#) *Camellia longistyla* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 49955 ...A.....A 49976

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50052 .T.....A 50029

>[PQ539949.1](#) *Camellia kweichowensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49986 ...A.....A.....A 50007

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50083 .T.....A 50060

>[PQ539948.1](#) *Camellia delicata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49977 ...A.....A.....A 49998

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50074 .T.....A 50051

>[OR933667.1](#) *Phanerodiscus capuronii* clone contig9 tRNA-Leu (trnL-UAA) and tRNA-Phe (trnF-GAA) genes, complete sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 1230 ...A..C.....A 1251

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 1327 .T.....A 1304

>[EU564035.1](#) *Camellia reticulata* voucher Xiao 0010 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 389 ...A.....A.....A 410

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 486 .T.....A 463

>[EU564032.1](#) *Camellia semiserrata* voucher Yang 1102 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 390 ...A.....A.....A 411

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 487 .T.....A 464

>[EU564031.1](#) *Camellia saluenensis* voucher Xiao 9901 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 391 ...A.....A.....A 412

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 488 .T.....A 465

>[EU564030.1](#) *Camellia hongkongensis* voucher Liu 0610 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 389 ...A.....A.....A 410

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 486 .T.....A 463

>[NC_041472.1](#) *Stewartia obovata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50653 ...A.....A.....A 50674

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50750 .T.....A 50727

>[NC 041471.1](#) *Stewartia micrantha* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50620 ...A.....A.....A 50641

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50717 .T.....A 50694

>[NC 041509.1](#) *Hartia laotica* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50644 ...A.....A.....A 50665

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50741 .T.....A 50718

>[MH782184.1](#) *Stewartia crassifolia* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50632 ...A.....A.....A 50653

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50729 .T.....A 50706

>[MH782183.1](#) *Stewartia cordifolia* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50420 ...A.....A 50441

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50517 .T.....A 50494

>[NC_041470.1](#) *Stewartia sinii* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50667 ...A.....A 50688

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50764 .T.....A 50741

>[MH782181.1](#) *Stewartia pteropetiolata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50643 ...A.....A 50664

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 50740 .T.....A 50717

>[NC_041469.1](#) *Stewartia villosa* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50701 ...A.....A.....A 50722

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50798 .T.....A 50775

>[MH782179.1](#) Schima superba chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50166 ...A.....A.....A 50187

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50263 .T.....A 50240

>[MH782177.1](#) Stewartia sinensis var. acutisepala chloroplast,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50630 ...A.....A.....A 50651

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50727 .T.....A 50704

>[MH782175.1](#) Stewartia malacodendron chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50509 ...A.....A.....A 50530

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50606 .T.....A 50583

>[NC 041468.1](#) *Stewartia monadelph*a chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 50615 ...A.....A.....A 50636

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50712 .T.....A 50689

>[MH782173.1](#) *Stewartia ovata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 50604 ...A.....A.....A 50625

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50701 .T.....A 50678

>[MH753082.1](#) *Stewartia pseudocamellia* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 50583 ...A.....A.....A 50604

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50680 .T.....A 50657

>[MH753081.1](#) *Stewartia rostrata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50574 ...A.....A.....A 50595

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50671 .T.....A 50648

>[MH753080.1](#) *Stewartia rubiginosa* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50592 ...A.....A.....A 50613

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50689 .T.....A 50666

>[NC_041467.1](#) *Stewartia serrata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50597 ...A.....A.....A 50618

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50694 .T.....A 50671

>[OR670934.1](#) *Palaequium* sp. isolate TV424 tRNA-Leu (trnL) gene,
partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 419 ...A.....A.....A 440

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 516 .T.....A 493

>[OR670766.1](#) *Madhuca dubardii* isolate TV078 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 417 ...A.....A.....A 438

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 514 .T.....A 491

>[MG709382.1](#) *Sideroxylon lanuginosum* voucher AH01 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 430 ...A.....A.....A 451

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 527 .T.....A 504

>[NC 041130.1](#) *Sideroxylon wightianum* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 51864 ...A.....A.....A 51885

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 51961 .T.....A 51938

>[MH752984.1](#) *Astelia pumila* isolate ACM0.8 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 49139 ...A.....A.....A 49160

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 49236 .T.....A 49213

>[KX268216.1](#) *Senna tora* voucher RNG:1958 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 347 ...A.....A.....A 368

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 444 .T.....A 421

>[KY239485.1](#) *Cryptochilus luteus* voucher NTH3479 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 384 ...A.....A.....A 405

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 476 .T.....A 453

>[KY239484.1](#) *Eria siamensis* voucher QSBG OR-2007-537/1 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 436 ...A.....A.....A 457

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 528 .T.....A 505

>[KY239483.1](#) *Cryptochilus strictus* voucher Pradhan 8 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 459 ...A.....A 480

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 551 .T.....A 528

>[KY172817.1](#) *Camellia euphlex* voucher SD001-2011 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 451 ...A.....A 472

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 548 .T.....A 525

>[KY286968.1](#) *Blumenbachia dissecta* isolate W4001 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 357 ...A..C.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 454 .T.....A 431

>[KX673560.1](#) *Pachites bodkinii* voucher T603 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; plastid

product length = 92

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 264 ...A.....A.....A 285

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 355 .T.....A 332

>[KX673559.1](#) *Pachites appressus* voucher HTC 1102 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; plastid

product length = 92

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 244 ...A.....A.....A 265

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 335 .T.....A 312

>[NC_035699.1](#) *Gordonia lasianthus* voucher JCRA 110687 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50717 ...A.....A.....A 50738

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50814 .T.....A 50791

>[KY406784.1](#) *Schima argentea* plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50364 ...A.....A.....A 50385

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50461 .T.....A 50438

>[NC 035696.1](#) *Stewartia calicicola* voucher YXQ030 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50637 ...A.....A.....A 50658

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50734 .T.....A 50711

>[NC 035692.1](#) *Franklinia alatamaha* voucher MO-6587811 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50674 ...A.....A.....A 50695

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50771 .T.....A 50748

>[NC 035688.1](#) *Camellia mairei* voucher YangSX 5054 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50073 ...A.....A.....A 50094

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50170 .T.....A 50147

>[NC 035646.1](#) *Gordonia brandegeei* voucher N. Zamora 7196 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50718 ...A.....A 50739

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50815 .T.....A 50792

>[NC 035546.1](#) *Schima wallichii* voucher YXQ001 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50355 ...A.....A 50376

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50452 .T.....A 50429

>[NC 035544.1](#) *Schima sinensis* voucher YXQ2902 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50370 ...A.....A 50391

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50467 .T.....A 50444

>[NC 035543.1](#) *Schima sericans* voucher YXQ053 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50375 ...A.....A.....A 50396

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50472 .T.....A 50449

>[NC 035542.1](#) Schima remotiserrata voucher YXQ186 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50347 ...A.....A.....A 50368

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50444 .T.....A 50421

>[NC 035541.1](#) Schima noronhae voucher YXQ034 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50362 ...A.....A.....A 50383

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50459 .T.....A 50436

>[NC 035540.1](#) Schima multibracteata voucher YXQ146 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50351 ...A.....A.....A 50372

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50448 .T.....A 50425

>[NC 035539.1](#) Schima khasiana voucher YXQ070 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22
Template 50352 ...A.....A 50373

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50449 .T.....A 50426

>[NC 035538.1](#) Schima crenata voucher YXQ103 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22
Template 50354 ...A.....A 50375

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50451 .T.....A 50428

>[NC 035537.1](#) Schima brevipedicellata voucher YXQ069 plastid,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22
Template 50353 ...A.....A 50374

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50450 .T.....A 50427

>[NC 087749.1](#) Camellia salicifolia chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49744 ...A.....A.....A 49765

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 49841 .T.....A 49818

>[NC_087748.1](#) *Camellia liberistylodes* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 38981 ...A.....A.....A 39002

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 39078 .T.....A 39055

>[OR353673.1](#) *Camellia grijsii* var. *shensiensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49945 ...A.....A.....A 49966

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50042 .T.....A 50019

>[OR423135.1](#) *Camellia danzaiensis* voucher YSX5082_2A chloroplast, partial genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49509 ...A.....A.....A 49530

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 49606 .T.....A 49583

>[OR423133.1](#) Camellia leptophylla voucher YSX5076 chloroplast,
partial genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50064 ...A.....A 50085

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50161 .T.....A 50138

>[OR415834.1](#) Camellia ptilophylla voucher YSX51073 chloroplast,
partial genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50016 ...A.....A 50037

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50113 .T.....A 50090

>[OQ852473.1](#) Camellia pubescens voucher YSX4457 chloroplast, partial
genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 49658 ...A.....A 49679

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 49755 .T.....A 49732

>[OQ852472.1](#) *Camellia arborescens* voucher YSX2759 chloroplast,
partial genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50057 ...A.....A.....A 50078

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50154 .T.....A 50131

>[OQ646047.1](#) *Camellia kwangsiensis* voucher YSX6257 chloroplast,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50062 ...A.....A.....A 50083

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50159 .T.....A 50136

>[KY626040.1](#) *Camellia huana* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50044 ...A.....A.....A 50065

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50141 .T.....A 50118

>[NC_033501.1](#) *Pouteria campechiana* voucher PDBK 2014-0238
chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50286 ...A.....A.....A 50307

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50383 .T.....A 50360

>[NC_085496.1](#) *Camellia albosericea* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50075 ...A.....A.....A 50096

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50172 .T.....A 50149

>[ON422323.1](#) *Camellia pingguoensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50064 ...A.....A.....A 50085

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50161 .T.....A 50138

>[ON422321.1](#) *Camellia micrantha* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50034 ...A.....A.....A 50055

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50131 .T.....A 50108

>[ON418955.1](#) *Camellia pubipetala* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50063 ...A.....A.....A 50084

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50160 .T.....A 50137

>[ON418954.1](#) *Camellia wumingensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50039 ...A.....A.....A 50060

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50136 .T.....A 50113

>[NC_030706.1](#) *Cephalanthera humilis* voucher Jin X.H. 10379 (PE)
plastid, complete genome

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49569 ...A.....A.....A 49590

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 49661 .T.....A 49638

>[NC_083217.1](#) *Senna reticulata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 51881 ...A.....A.....A 51902

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 51978 .T.....A 51955

>[OQ451429.1](#) *Pouteria splendens* voucher NG 4754_EIF trnL-trnF
intergenic spacer region, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 399 ...A.....A 420

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 496 .T.....A 473

>[KU763011.1](#) *Aechmea andersoniana* voucher Leme 4365-TYPE (HB) tRNA-
Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 522 .T.....A 499

>[KU763009.1](#) *Hohenbergia portoricensis* voucher Luther sn (SEL) tRNA-
Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer,
complete sequence; and tRNA-Phe (trnF) gene, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 417 ..GA.....A 438

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 514 .T.....A 491

>[KU763007.1](#) *Hohenbergia spinulosa* voucher Aguirre-Santoro 1506 (SEL) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 424 ..GA.....A 445

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 521 .T.....A 498

>[KU763006.1](#) *Aechmea amorimii* voucher Aguirre-Santoro 722 (RMH) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 424 ..GA.....A 445

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 521 .T.....A 498

>[KU762999.1](#) *Hohenbergia penduliflora* voucher Becquer s. n. (Living specimen) tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762993.1](#) *Hohenbergia proctorii* voucher Aguirre-Santoro 1811 (IJ) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 421 ..GA.....A 442

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 518 .T.....A 495

>[KU762990.1](#) *Hohenbergia antillana* voucher Stevens 229 (NY) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 424 ..GA.....A 445

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 521 .T.....A 498

>[KU762987.1](#) *Aechmea patentissima* voucher Leme 6509 (Living specimen) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762985.1](#) Aechmea sulbahianensis voucher Leme 6720-TYPE (HB.)
tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer,
complete sequence; and tRNA-Phe (trnF) gene, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762968.1](#) Aechmea lingulatoides voucher Monteiro 495 (RB) tRNA-Leu
(trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete
sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 99

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 523 .T.....A 500

>[KU762962.1](#) Hohenbergia distans voucher Aguirre-Santoro 1814 (IJ)
tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer,
complete sequence; and tRNA-Phe (trnF) gene, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 424 ..GA.....A 445

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 521 .T.....A 498

>[KU762960.1](#) *Hohenbergia jamaicana* voucher Aguirre-Santoro 1810 (NY) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762958.1](#) *Aechmea turbinocalyx* voucher Monteiro 453 (RB) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762957.1](#) *Ronnbergia brasiliensis* voucher Monteiro 473 (RB) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762955.1](#) *Aechmea pernambucensis* voucher Leme 6610 (HB) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 420 ..GA.....A 441

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 517 .T.....A 494

>[KU762953.1](#) *Aechmea bicolor* voucher Monteiro 483 (RB) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 431 ..GA.....A 452

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 528 .T.....A 505

>[KU762952.1](#) *Hohenbergia inermis* voucher Aguirre-Santoro 1807 (IJ) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 424 ..GA.....A 445

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 521 .T.....A 498

>[KU762951.1](#) *Hohenbergia mesoamericana* voucher Ramirez 1666 (CICY) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 427 ..GA.....A 448

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 524 .T.....A 501

>[KU762947.1](#) *Aechmea froesii* voucher Aguirre-Santoro 711 (SEL) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 424 ..GA.....A 445

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 521 .T.....A 498

>[KU762926.1](#) *Hohenbergia caymanensis* voucher Aguirre-Santoro 1509 (SEL) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762923.1](#) *Hohenbergia* sp. JAS-2016 voucher Aguirre-Santoro 1816 (NY) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762917.1](#) *Aechmea maranguapensis* voucher Leme 3914-TYPE (RB) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762912.1](#) *Aechmea incompita* voucher Leme 3746 (Living specimen) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KU762910.1](#) *Aechmea linharesiorum* voucher Aguirre-Santoro 707 (SEL) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 ..GA.....A 446

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[NC 081063.1](#) *Camellia magniflora* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49638 ...A.....A.....A 49659

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 49735 .T.....A 49712

>[NC 080884.1](#) *Camellia bailinshanica* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50073 ...A.....A.....A 50094

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50170 .T.....A 50147

>[NC 081704.1](#) *Viridantha plumosa* isolate T303 voucher MEXU:Salazar 9484 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 90070 ..GA.....A 90091

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 90167 .T.....A 90144

>[NC_080233.1](#) *Camellia omeiensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50069 ...A.....A 50090

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50166 .T.....A 50143

>[NC_080228.1](#) *Camellia oligophlebia* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50080 ...A.....A 50101

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50177 .T.....A 50154

>[NC_079935.1](#) *Camellia jinshajiangica* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50084 ...A.....A 50105

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50181 .T.....A 50158

>[NC 082534.1](#) *Camellia borealiyunnanica* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 49676 ...A.....A 49697

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 49773 .T.....A 49750

>[NC 079666.1](#) *Camellia brevipetiolata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 49981 ...A.....A 50002

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50078 .T.....A 50055

>[NC 072608.1](#) *Camellia lungshenensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 94218 ...A.....A 94239

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 94315 .T.....A 94292

>[NC 072329.1](#) *Camellia caudata* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50065 ...A.....A.....A 50086

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50162 .T.....A 50139

>[ON208848.1](#) *Camellia ptilosperma* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50035 ...A.....A.....A 50056

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50132 .T.....A 50109

>[NC_070087.1](#) *Stewartia sichuanensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50755 ...A.....A.....A 50776

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50852 .T.....A 50829

>[NC_069310.1](#) *Camellia minima* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50087 ...A.....A.....A 50108

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50184 .T.....A 50161

>[NC_069309.1](#) *Camellia insularis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50063 ...A.....A.....A 50084

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50160 .T.....A 50137

>[OP650217.1](#) *Pouteria viridis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50746 ...A.....A.....A 50767

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50843 .T.....A 50820

>[OM084924.1](#) *Camellia nitidissima* isolate GLA tRNA-Leu (trnL-UAA) and tRNA-Phe (trnF-GAA) genes, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 388 ...A.....A.....A 409

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 485 .T.....A 462

>[NC_068781.1](#) *Camellia longzhouensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50069 ...A.....A.....A 50090

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50166 .T.....A 50143

>[OM935753.1](#) *Camellia chrysanthoides* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50061 ...A.....A.....A 50082

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50158 .T.....A 50135

>[NC_068780.1](#) *Camellia flavida* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50052 ...A.....A.....A 50073

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50149 .T.....A 50126

>[OM868265.1](#) *Camellia fascicularis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50044 ...A.....A.....A 50065

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50141 .T.....A 50118

>[NC 067089.1](#) *Camellia parvipetala* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50070 ...A.....A.....A 50091

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50167 .T.....A 50144

>[NC 067086.1](#) *Camellia lienshanensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49963 ...A.....A.....A 49984

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50060 .T.....A 50037

>[NC 067085.1](#) *Camellia bambusifolia* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 94307 ...A.....A.....A 94328

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 94404 .T.....A 94381

>[OL449832.1](#) *Schima parviflora* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50389 ...A.....A.....A 50410

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50486 .T.....A 50463

>[OL449818.1](#) Schima sp. YXQ228 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22
Template 50371 ...A.....A 50392

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50468 .T.....A 50445

>[MW376915.1](#) Sophora sp. ND-2022 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22
Template 53155 ...A.....A 53176

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 53252 .T.....A 53229

>[NC_061660.1](#) Mimusops elengi chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22
Template 51863 ...A.....A 51884

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 51960 .T.....A 51937

>[MW120318.1](#) Camellia phellocapsa isolate C21 trnL-trnF intergenic spacer and tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 435 ...A.....A.....A 414

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 338 .T.....A 361

>[MW120290.1](#) *Camellia macrosepala* isolate D68 trnL-trnF intergenic spacer and tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 435 ...A.....A.....A 414

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 338 .T.....A 361

>[MW120278.1](#) *Camellia limonia* isolate C61 trnL-trnF intergenic spacer and tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 435 ...A.....A.....A 414

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 338 .T.....A 361

>[MW120255.1](#) *Camellia hekouensis* isolate D27 trnL-trnF intergenic spacer and tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 430 ...A.....A.....A 409

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 333 .T.....A 356

>[MW120241.1](#) Camellia euryoides isolate D47 trnL-trnF intergenic
spacer and tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 429 ...A.....A 408

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 332 .T.....A 355

>[MW120213.1](#) Camellia angustifolia isolate D02 trnL-trnF intergenic
spacer and tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 435 ...A.....A 414

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 338 .T.....A 361

>[MW120210.1](#) Camellia acutissima isolate D59 trnL-trnF intergenic
spacer and tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 435 ...A.....A 414

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 338 .T.....A 361

>[AB981779.1](#) Sapotaceae sp. A3-002 chloroplast rbcL gene, partial sequence, isolate: a3-2

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 114 ...A.....A.....A 93

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 17 .T.....A 40

>[MT737976.1](#) Ormosia bancana voucher K.M. Wong 43 (A) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 364 ...A.....A.....A 385

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 461 .T.....A 438

>[NC_060558.1](#) Tainia acuminata chloroplast, complete genome

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 48012 ..GA.....A 48033

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 48104 .T.....A 48081

>[OK377261.1](#) Camellia polyodonta chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50008 ...A.....A.....A 50029

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50105 .T.....A 50082

>[OK135162.1](#) *Camellia indochinensis* var. *tunghinensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50052 ...A.....A.....A 50073

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50149 .T.....A 50126

>[MT779450.1](#) *Rhododendron argyrophyllum* voucher 100812 trnL-trnF intergenic spacer region, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 357C.A.....A 378

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 454 ...A.....A 431

>[NC_058625.1](#) *Mimusops coriacea* voucher UEC 90949 chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 51816 ...A.....A.....A 51837

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 51913 .T.....A 51890

>[KF591290.1](#) *Astelia fragrans* voucher Allan Herbarium CHR 630380
tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial
sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 411 ...A.....A.....A 432

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 508 .T.....A 485

>[KF591259.1](#) *Earina autumnalis* voucher Allan Herbarium CHR 630370
tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial
sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 453 ...A.....A.....A 474

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 545 .T.....A 522

>[JQ765222.1](#) *Banksia plumosa* isolate BF42 trnL-trnF intergenic
spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 353 ..CA.....A 374

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 450 .T.....A 427

>[JQ765180.1](#) *Banksia carlinoides* isolate BF93 trnL-trnF intergenic
spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 353 ..CA.....A 374

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 450 .T.....A 427

>[JX649514.1](#) *Canistrum aurantiacum* isolate BB092 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 389 ..GA.....A 410

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 486 .T.....A 463

>[JX649508.1](#) *Billbergia tweedieana* isolate BB121 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 389 ..GA.....A 410

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 486 .T.....A 463

>[KC428586.1](#) *Pouteria xerocarpa* voucher UQ WellsJ 157-Pxe tRNA-Leu (trnL) gene and trnL-F intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358 ...A.....A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455 .T.....A 432

>[KC428585.1](#) *Planchonella myrsinodendron* voucher UQ WellsJ 156-Pmy
tRNA-Leu (trnL) gene and trnL-F intergenic spacer, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358 ...A.....A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455 .T.....A 432

>[KC428566.1](#) *Niemeyera prunifera* voucher QRS 69608 tRNA-Leu (trnL)
gene and trnL-F intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 358 ...A.....A.....A 379

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 455 .T.....A 432

>[MZ274148.1](#) *Tieghemella heckelii* voucher BRLU:Bourland 605
chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 51898 ...A.....A.....A 51919

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 51995 .T.....A 51972

>[MZ274147.1](#) Tieghemella africana voucher WAG:Breteler 14812
chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 51859 ...A.....A.....A 51880

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 51956 .T.....A 51933

>[MZ274146.1](#) Baillonella toxisperma voucher BR:Van Valkenburg 3166
chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 51854 ...A.....A.....A 51875

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 51951 .T.....A 51928

>[MZ274145.1](#) Autranella congolensis voucher BRLU:Ley 1132
chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 51664 ...A.....A.....A 51685

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 51761 .T.....A 51738

>[MZ274144.1](#) Pouteria aningeri voucher BRLU:Bourland 536 chloroplast,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50761 ...A.....A.....A 50782

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50858 .T.....A 50835

>[MZ274141.1](#) Gambeya subnuda voucher BR:Jongkind 12497 chloroplast,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50722 ...A.....A.....A 50743

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50819 .T.....A 50796

>[MZ274140.1](#) Gambeya lacourtiana voucher BR:Wieringa 1674
chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50696 ...A.....A.....A 50717

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50793 .T.....A 50770

>[MZ274139.1](#) Gambeya gigantea voucher WAG:Breteler 15392 chloroplast,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50713 ...A.....A.....A 50734

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50810 .T.....A 50787

>[MZ274138.1](#) Gambeya africana voucher WAG:Jongkind 10814 chloroplast,
complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 50661 ...A.....A 50682

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 50758 .T.....A 50735

>[MZ047865.1](#) Astelia nervosa tRNA-Leu (trnL) gene, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 390 ...A.....A 411

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 487 .T.....A 464

>[MT157621.1](#) Camellia perpetua chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 36530 ...A.....A 36509

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 36433 .T.....A 36456

>[MT366823.1](#) *Planchonella cinerea* isolate EDNA19-0053540 tRNA-Leu (trnL-UUA) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 399 ...A.....A.....A 420

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 496 .T.....A 473

>[AB817591.1](#) *Schima mertensiana* chloroplast trnL gene, intron, partial sequence, isolate: OGA0397

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 389 ...A.....A.....A 410

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 486 .T.....A 463

>[NC_058254.1](#) *Camellia rostrata* voucher YangSX 6081 plastid, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49704 ...A.....A.....A 49725

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 49801 .T.....A 49778

>[KC479316.1](#) *Faucherea thouvenotii* tRNA-Leu (trnL) gene, intron; chloroplast

product length = 98

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Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        424    ...A.....A.....A  445

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        521    .T.....A  498
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>[KC479315.1](#) *Mimusops capuronii* tRNA-Leu (trnL) gene, intron;
chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        423    ...A.....A.....A  444

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        520    .T.....A  497
```

>[KC479314.1](#) *Capurodendron madagascariense* tRNA-Leu (trnL) gene,
intron; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        379    ...A.....A.....A  400

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        476    .T.....A  453
```

>[KC479288.1](#) *Olax* sp. Mada159 tRNA-Leu (trnL) gene, intron;
chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        467    ...A..C.....A  488

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
```

Template 564 .T.....A 541

>[NC 057958.1](#) *Camellia debaoensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 94310 ...A.....A 94331

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 94407 .T.....A 94384

>[HQ158591.1](#) *Synsepalum dulcificum* tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 410 ...A.....A 431

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 507 .T.....A 484

>[HQ158588.1](#) *Camellia sinensis* tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 99

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 422 ...A.....A 443

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 520 .T.....A 497

>[HQ158573.1](#) *Camellia crapnelliana* tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 422 ...A.....A.....A 443

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 519 .T.....A 496

>[JN811777.1](#) *Epipactis helleborine* isolate E.h.10 tRNA-Leu (trnL) gene, intron 1; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 538 ...A.....A.....A 559

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 630 .T.....A 607

>[JX275895.1](#) *Myrocarpus fastigiatus* voucher D.Cardoso 2404 (HUEFS) tRNA-Leu (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 429 ...A.....A.....A 450

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 526 .T.....A 503

>[JX182539.1](#) *Collospermum microspermum* voucher JLB244 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 408 ...A.....A.....A 429

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 505 .T.....A 482

>[JX182538.1](#) Collospermum hastatum voucher JLB s.n. tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 406 ...A.....A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 503 .T.....A 480

>[JX182519.1](#) Astelia nadeaudii voucher JYM s.n. tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 408 ...A.....A.....A 429

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 505 .T.....A 482

>[JX182526.1](#) Astelia papuana voucher PR71 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 408 ...A.....A.....A 429

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 505 .T.....A 482

>[JX182520.1](#) *Astelia neocaledonica* voucher JM595 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 413 ...A.....A.....A 434

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 510 .T.....A 487

>[JX182516.1](#) *Astelia menziesiana* voucher JLB107 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 409 ...A.....A.....A 430

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 506 .T.....A 483

>[JX182503.1](#) *Astelia argyrocoma* voucher JLB137 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 408 ...A.....A.....A 429

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 505 .T.....A 482

>[JX182508.1](#) *Astelia graminea* voucher JLB257 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 408 ...A.....A.....A 429

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 505 .T.....A 482

>[JX182505.1](#) *Astelia banksii* voucher JLB228 tRNA-Leu (trnL) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 413 ...A.....A.....A 434

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 510 .T.....A 487

>[MN065160.1](#) *Pouteria caimito* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50787 ...A.....A.....A 50808

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 50884 .T.....A 50861

>[NC_057076.1](#) *Vitellaria paradoxa* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 51898 ...A.....A.....A 51919

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 51995 .T.....A 51972

>[NC_053619.1](#) *Madhuca hainanensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 51763 ...A.....A.....A 51784

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 51860 .T.....A 51837

>[NC_050388.1](#) *Camellia fraterna* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50049 ...A.....A.....A 50070

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50146 .T.....A 50123

>[MT663341.1](#) *Camellia chuongtsoensis* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 49738 ...A.....A.....A 49759

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 49835 .T.....A 49812

>[JF804930.1](#) *Sideroxylon cinereum* tRNA-Leu (trnL-UAA) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 199 ...A.....A.....A 220

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 296 .T.....A 273

>[HM100601.1](#) *Stewartia tonkinensis* isolate 4556 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 435 ...A.....A.....A 456

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 532 .T.....A 509

>[HM100594.1](#) *Stewartia laotica* isolate 4812 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 437 ...A.....A.....A 458

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 534 .T.....A 511

>[FJ942960.1](#) *Hohenbergia negrilensis* tRNA-Leu (trnL) gene, partial sequence; and trnL-trnF intergenic spacer, complete sequence; chloroplast

product length = 97

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 482 ..GA.....A 503

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 578 .T.....A 555

>[FJ009877.1](#) *Senna gardneri* isolate FS413 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 374 ...A.....A 395

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 471 .T.....A 448

>[FJ039206.1](#) *Pouteria singularis* voucher NL110247 tRNA-Leu(UAA) (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 416 ...A.....A 437

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 513 .T.....A 490

>[FJ562410.1](#) *Gomesa radicans* voucher Whitten 2988 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 548 ...A.....A.....A 569

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 640 .T.....A 617

>[DQ344340.1](#) Xantolis siamensis tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 411 ...A.....A.....A 432

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 508 .T.....A 485

>[DQ344339.1](#) Van-royena castanosperma tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 414 ...A.....A.....A 435

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 511 .T.....A 488

>[DQ344338.1](#) Synsepalum passargei tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 398 ...A.....A.....A 419

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 495 .T.....A 472

>[DQ344336.1](#) *Sarcaulus brasiliensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 402 ...A.....A.....A 423

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 499 .T.....A 476

>[DQ344333.1](#) *Pradosia surinamensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 403 ...A.....A.....A 424

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 500 .T.....A 477

>[DQ344331.1](#) *Pradosia brevipes* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 383 ...A.....A.....A 404

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 480 .T.....A 457

>[DQ344330.1](#) *Pouteria vernicosa* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 413 ...A.....A.....A 434

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 510 .T.....A 487

>[DQ344329.1](#) Sersalisia sericea tRNA-Leu gene and trnL-trnF
intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344327.1](#) Pouteria multiflora tRNA-Leu gene and trnL-trnF
intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 351 ...A.....A.....A 372

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 448 .T.....A 425

>[DQ344326.1](#) Pouteria macrophylla tRNA-Leu gene and trnL-trnF
intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 504 .T.....A 481

>[DQ344325.1](#) *Planchonella linggensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 407 ...A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 504 .T.....A 481

>[DQ344324.1](#) *Planchonella howeana* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 407 ...A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 504 .T.....A 481

>[DQ344323.1](#) *Pouteria hispida* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 407 ...A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 504 .T.....A 481

>[DQ344321.1](#) *Pouteria gardneriana* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344303.1](#) *Micropholis egensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344319.1](#) *Pouteria domingensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344316.1](#) *Pouteria alnifolia* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        407    ...A.....A.....A  428

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        504    .T.....A  481
```

>[DQ344314.1](#) *Planchonella kaalaensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        407    ...A.....A.....A  428

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        504    .T.....A  481
```

>[DQ344313.1](#) *Pichonia daenikeri* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        407    ...A.....A.....A  428

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        504    .T.....A  481
```

>[DQ344312.1](#) *Pichonia balansana* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        407    ...A.....A.....A  428

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
```

Template 504 .T.....A 481

>[DQ344310.1](#) *Omphalocarpum pachysteloides* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344309.1](#) *Pycnandra francii* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344307.1](#) *Amorphospermum antilogum* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344306.1](#) *Neohemsleya usambarensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344305.1](#) *Micropholis venulosa* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344301.1](#) *Leptostylis filipes* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344300.1](#) *Planchonella baillonii* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 504 .T.....A 481

>[DQ344299.1](#) Englerophytum natalense tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 407 ...A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 504 .T.....A 481

>[DQ344298.1](#) Englerophytum magalismontanum tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 406 ...A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 503 .T.....A 480

>[DQ344297.1](#) Elaeoluma schomburgkiana tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 103

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 407 ...A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 509 .T.....A 486

>[DQ344296.1](#) *Ecclinusa ramiflora* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 387 ...A.....A.....A 408

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 484 .T.....A 461

>[DQ344295.1](#) *Ecclinusa guianensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344293.1](#) *Diploon cuspidatum* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 402 ...A.....A.....A 423

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 499 .T.....A 476

>[DQ344292.1](#) *Delpydora macrophylla* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        412    ...A.....A.....A  433

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        509    .T.....A  486
```

>[DQ344291.1](#) *Delpydora gracilis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        407    ...A.....A.....A  428

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        504    .T.....A  481
```

>[DQ344290.1](#) *Chrysophyllum venezuelanense* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        407    ...A.....A.....A  428

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        504    .T.....A  481
```

>[DQ344286.1](#) *Chrysophyllum fenerivense* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        407    ...A.....A.....A  428

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
```

Template 504 .T.....A 481

>[DQ344288.1](#) Chrysophyllum pruniforme tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344284.1](#) Chrysophyllum boivinianum tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344283.1](#) Chrysophyllum bangweolense tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344282.1](#) Breviea sericea tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 417 ...A.....A.....A 438

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 514 .T.....A 491

>[DQ344280.1](#) *Pleioluma sebertii* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344279.1](#) *Pleioluma baueri* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[DQ344278.1](#) *Aubregrinia taiensis* tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 385 ...A.....A.....A 406

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 482 .T.....A 459

>[EF558604.1](#) *Elaeoluma glabrescens* tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 103

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 413 ...A.....A.....A 434

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 515 .T.....A 492

>[EF558603.1](#) *Chrysophyllum imperiale* tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 408 ...A.....A.....A 429

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 505 .T.....A 482

>[EF558602.1](#) *Chromolucuma rubriflora* tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 407 ...A.....A.....A 428

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 504 .T.....A 481

>[EF466325.1](#) Swartzia panacoco var. sagotii isolate S73panacS64
voucher Torke 220 (MO) authority Swartzia panacoco var. sagotii
(Sandwith) R.S.Cowan tRNA-Leu (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 406 ...A.....A.....A 427

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 503 .G.....A 480

>[EF466318.1](#) Swartzia myrtifolia var. elegans isolate S73myrtE87
voucher Sant'Ana 874 (MO) authority Swartzia myrtifolia Sm. var.
elegans (Schott) R.S.Cowan tRNA-Leu (trnL) gene, intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 424 ...A.....A.....A 445

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 521 .G.....A 498

>[EF466272.1](#) Swartzia acutifolia isolate S73acut53 voucher Alves 2342
(SP) authority Swartzia acutifolia Vog. tRNA-Leu (trnL) gene,
intron; chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 440 ...A.....A.....A 461

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 537 .G.....A 514

>[EF200155.1](#) *Bulbophyllum aubrevillei* voucher K16631 tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 632 ...A.....A.....A 653

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 724 .T.....A 701

>[DQ924308.1](#) *Madhuca macrophylla* voucher Chase 1363 (K) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 400 ...A.....A.....A 421

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 497 .T.....A 474

>[DQ924307.1](#) *Argania spinosa* voucher Chase 978 (K) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; plastid

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 399 ...A.....A.....A 420

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 496 .T.....A 473

>[AY769778.1](#) *Aulotandra trialata* tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 105

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 440 ...A.....A.....A 461

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 544 .T.....A 521

>[AY769777.1](#) Aulotandra cf. trigonocarpa Wilkin 1141 tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 105

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 448 ...A.....A.....A 469

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 552 .T.....A 529

>[AY769774.1](#) Siphonochilus aethiopicus tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer, complete sequence; and tRNA-Phe (trnF) gene, partial sequence; chloroplast

product length = 104

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 419 ...A.....A.....A 440

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[AY216565.1](#) Stewartia gemmata tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence; chloroplast gene for chloroplast product

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 380 ...A.....A.....A 401

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 477 .T.....A 454

>[AY251249.1](#) *Isotropis forrestii* chloroplast tRNA-Leu gene and trnL-trnF intergenic spacer, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 434 ...A.....A.....A 455

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 531 .T.....A 508

>[AF394264.1](#) *Bejaria aestuans* chloroplast tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 384 ..C...C.....A 405

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 481 ...C.....A 458

>[AF534666.1](#) *Eberhardtia tonkinensis* chloroplast tRNA-Leu (trnL) gene, partial sequence and trnL-trnF intergenic spacer region

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 385 ...A.....A.....A 406

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 482 .T.....A 459

>[AF499827.1](#) *Clethra fabri* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast gene for chloroplast product

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 377 ...A.....A.....A 398

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 474 .T.....A 451

>[AF350740.1](#) *Psychopsis papilio* tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 583 ...A.....A.....A 604

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 675 .T.....A 652

>[AF396221.1](#) *Planchonella novozelandica* tRNA-Leu (trnL) gene, intron sequence; chloroplast gene for chloroplast product

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 402 ...A.....A.....A 423

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 499 .T.....A 476

>[PQ146530.1](#) *Codonopsis atriplicifolia* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 50247 ...A.....A..... 50226

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 50150 .T.....C....A 50173

>[NC_063743.1](#) Codonopsis javanica chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 69824 ...A.....A..... 69845

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 69921 .T.....C....A 69898

>[NC_063739.1](#) Cyananthus lobatus chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 55846 ...A.....A..... 55825

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 55749 .T.....C....A 55772

>[NC_063738.1](#) Codonopsis bhutanica chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 56176 ...A.....A..... 56155

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 56079 .T.....C....A 56102

>[MW149119.1](#) *Leptocodon hirsutus* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 56045 ...A.....A..... 56024

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 55948 .T.....C....A 55971

>[NC_045862.1](#) *Tainia dunnii* voucher FAFU01867 chloroplast, complete genome

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 48244 T.GA.....A 48265

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 48336 .T.....A 48313

>[NC_045851.1](#) *Tainia cordifolia* voucher FAFU08457 chloroplast, complete genome

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 48178 T.GA.....A 48199

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24
Template 48270 .T.....A 48247

>[KU762927.1](#) *Hohenbergia laesslei* voucher Aguirre-Santoro 1809 (NY) tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer,

complete sequence; and tRNA-Phe (trnF) gene, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 425 .MGA.....A 446

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 522 .T.....A 499

>[KM025193.1](#) *Tainia* sp. Li 150 tRNA-Leu (trnL) gene, partial
sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 646 T.GA.....A 667

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 738 .T.....A 715

>[KM025191.1](#) *Tainia macrantha* voucher L.Li 093 (IBSC) tRNA-Leu (trnL)
gene, partial sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 585 T.GA.....A 606

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 677 .T.....A 654

>[KY239380.1](#) *Eria coronaria* voucher P. Sanders P001 tRNA-Leu (trnL)
gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 93

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        541    ...A.....A.....A  562

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        633    .TC.....A  610
```

>[NC 080305.1](#) Mesoamerantha guatemalensis isolate IR1837 voucher
CICY:Ramirez 1837 chloroplast, complete genome

product length = 98

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        95285  ...A.....A.....A  95306

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        95382  .TC.....A  95359
```

>[FJ562407.1](#) Zygoxystes apiculata voucher Whitten 2929 FLAS tRNA-Leu
(trnL) gene and trnL-trnF intergenic spacer, partial sequence;
chloroplast

product length = 93

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        459    ...A.....A.....A  480

Reverse primer  1      CAATAAATTTTCATTGTTGTCGGTC  24
Template        551    .TC.....A  528
```

>[AF350666.1](#) Zygoxystes grandiflora tRNA-Leu (trnL) gene and trnL-
trnF intergenic spacer, partial sequence; chloroplast

product length = 93

```
Forward primer  1      CATCGTTTGCTAGATCTTTTGC  22
Template        458    ...A.....A.....A  479
```

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 550 .TC.....A 527

>[DQ315941.1](#) Zygostates alleniana tRNA-Leu (trnL) gene and trnL-trnF intergenic spacer, partial sequence; chloroplast

product length = 93

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 458 ...A.....A.....A 479

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 550 .TC.....A 527

>[AP038850.1](#) Solanum cheesmaniae LA0166 DNA, chromosome 1, nearly complete sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 52560572 ...A.....A.....A 52560551

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 52560475 .T.....C....A 52560498

>[LC864051.1](#) Vaccinium oxycoccos TI:Murata & Kuroda 13073101 chloroplast trnL gene for intron 1, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22
Template 393C.....T.....A 414

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24
Template 490 ...G.....C.....A 467

>[LC864048.1](#) *Vaccinium microcarpum* TI:Murata & Kuroda 13080101
chloroplast trnL gene for intron 1, partial sequence

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 394C.....T.....A 415

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 491 ...G.....C.....A 468

>[OZ222492.1](#) *Alnus incana* genome assembly, chromosome: 4

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 16602977 ...A.....A.....A 16602956

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 16602880 .T.....C.....A 16602903

>[MW558013.1](#) *Chamaecrista ericifolia* voucher M.M.T. Cota 723 (HUEFS)
tRNA-Leu (trnL) gene, partial sequence; trnL-trnF intergenic spacer,
complete sequence; and tRNA-Phe (trnF) gene, partial sequence;
chloroplast

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTTGC 22

Template 302 ...A.....A.....A 323

Reverse primer 1 CAATAAATTTTCATTGTTGTCGGTC 24

Template 399 .T.....A.....A 376

>[NC_063741.1](#) *Cyclocodon axillaris* chloroplast, complete genome

product length = 98

Forward primer 1 CATCGTTTGCTAGATCTTTGC 22

Template 52131 ...A.....A.....A 52110

Reverse primer 1 CAATAAATTCATTGTTGTCGGTC 24

Template 52034 .T.....C....A 52057