Appendix S1. List of species and associated GenBank accession numbers of sequences used for primer design. Sequences were obtained from GenBank (www.ncbi.nlm.nih.gov/genbank) and represent 178 different species belonging to 123 genera in 41 families and 18 orders. Primer sequences were aligned using the MAFFT plugin in Geneious.

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| --- | --- | --- | --- |
| Order | Family | Species | GenBank accession no. |
| Aquifoliales | Aquifoliaceae | *Ilex cornuta* Lindl. & Paxton  | GQ997309 |
| Arecales | Arecaceae | *Phoenix roebelenii* O’Brien  | HQ720352 |
| Arecales | Arecaceae | *Saribus rotundifolius* (Lam.) Blume | HQ720350 |
| Celastrales | Celastraceae | *Euonymus americanus* L.  | EU002170 |
| Celastrales | Celastraceae | *Lophopetalum arnhemicum* Byrnes | FJ705541 |
| Cornales | Cornaceae | [*Alangium chinense* (Lour.) Harms](http://www.ipni.org/ipni/idPlantNameSearch.do?id=58134-1&back_page=%2Fipni%2FeditSimplePlantNameSearch.do%3Ffind_wholeName%3DAlangium%2Bchinense%2B%26output_format%3Dnormal) | FJ644641 |
| Cornales | Cornaceae | *Alangium griffithii* (C. B. Clarke) Harms | FJ644646 |
| Cornales | Cornaceae | *Alangium javanicum* (Blume) Wangerin var. *javanicum*  | KJ708814 |
| Cornales | Cornaceae | *Alangium kurzii* Craib | FJ644650 |
| Cornales | Cornaceae | *Alangium ridleyi* King  | FJ644649 |
| Cornales | Cornaceae | *Alangium salviifolium* (L. f.) Wangerin | FJ644639 |
| Cornales | Cornaceae | *Alangium villosum* [(Blume) Wangerin](http://www.ipni.org/ipni/idPlantNameSearch.do?id=98652-3&back_page=%2Fipni%2FeditSimplePlantNameSearch.do%3Ffind_wholeName%3DAlangium%2Bvillosum%2B%26output_format%3Dnormal)  | FJ644648 |
| Cornales | Cornaceae | *Cornus disciflora* Moc. & Sessé ex DC. | AY526238 |
| Dilleniales | Dilleniaceae | *Dillenia indica* L. | GQ997143 |
| Dilleniales | Dilleniaceae | *Hibbertia cuneiformis* (Labill.) Sm*.* | HQ896421 |
| Ericales | Actinidiaceae | *Saurauia tristyla* DC. | EU310435 |
| Ericales | Ebenaceae | *Diospyros cauliflora* Blume | DQ924001 |
| Ericales | Ebenaceae | *Diospyros ferrea* (Willd.) Bakh.  | DQ924017 |
| Ericales | Lecythiaceae | *Barringtonia asiatica* (L.) Kurz | DQ924095 |
| Ericales | Primulaceae | *Dodecatheon dentatum* Hook. subsp. *dentatum*  | AY647485 |
| Ericales | Primulaceae | *Primula hirsuta* All. | AY647499 |
| Ericales | Primulaceae | *Primula integrifolia* L. | AY647500 |
| Ericales | Sapotaceae | *Manilkara zapota* (L.) P. Royen | DQ924092 |
| Ericales | Symplocaceae | *Symplocos anomala* Brand | AY679808 |
| Ericales | Symplocaceae | *Symplocos congesta* Benth. | AY679810 |
| Ericales | Symplocaceae | *Symplocos dolichotricha* Merr. | AY679809 |
| Ericales | Symplocaceae | *Symplocos glauca* (Thunb.) Koidz. | AY679807 |
| Ericales | Symplocaceae | *Symplocos laurina* (Retz.) Wall. ex G. Don | AY336369 |
| Fabales | Fabaceae | *Crudia gabonensis* Pierre ex Harms | EU361922 |
| Fabales | Fabaceae | *Derris reticulata* Craib | AB504375 |
| Fabales | Fabaceae | *Koompassia excelsa* (Becc.) Taub.  | EU361988 |
| Fabales | Fabaceae | *Saraca indica* L. | EU362034 |
| Fabales | Fabaceae | *Tessmannia lescrauwaetii* (De Wild.) Harms  | EU362059 |
| Fabales | Polygalaceae | *Bredemeyera floribunda* Willd.  | EU596520 |
| Fabales | Polygalaceae | *Monnina glaberrima* Chodat | EU604039  |
| Fabales | Polygalaceae | *Monnina phytolaccifolia* Kunth | EU596519 |
| Fabales | Polygalaceae | *Monnina salicifolia* Ruiz & Pav. | EU604038 |
| Fabales | Polygalaceae | *Polygala californica* Nutt. | AY386842 |
| Fabales | Polygalaceae | *Polygala violacea* Aubl. | EU604035 |
| Fagales | Fagaceae | *Castanopsis delavayi* Franch. | EF057138 |
| Fagales | Fagaceae | *Fagus lucida* Rehder & E. H. Wilson | EF057139 |
| Fagales | Fagaceae | *Lithocarpus fenestratus* (Roxb.) Rehder | EF057122 |
| Fagales | Fagaceae | *Lithocarpus litseifolius* (Hance) Chun | EF057121 |
| Gentianales | Apocynaceae | *Alstonia scholaris* (L.) R. Br. | Z70189 |
| Gentianales | Apocynaceae | *Dyera costulata* Hook. f. | DQ660515 |
| Gentianales | Apocynaceae | *Nerium oleander* L. | GQ997641 |
| Gentianales | Apocynaceae | *Tabernaemontana vanheurckii* Müll. Arg.  | GU973971 |
| Gentianales | Loganiaceae | *Strychnos lucida* R. Br. | AB636278 |
| Gentianales | Loganiaceae | *Strychnos nux-vomica* L. | AB636281 |
| Gentianales | Rubiaceae | *Aidia abeidii* S. E. Dawson & Gereau | KJ136866 |
| Gentianales | Rubiaceae | *Chiococca alba* (L.) Hitchc. | AY538378 |
| Gentianales | Rubiaceae | *Cinchonopsis amazonica* (Standl.) L. Andersson | AY538383 |
| Gentianales | Rubiaceae | *Gardenia volkensii* K. Schum. | KJ136881 |
| Gentianales | Rubiaceae | *Ophiorrhiza harrisiana* B. Heyne | AB564413 |
| Gentianales | Rubiaceae | *Ophiorrhiza pseudofasciculata* Schanzer | AB564416 |
| Gentianales | Rubiaceae | *Pauridiantha* sp.Hook. f. | AY538410 |
| Gentianales | Rubiaceae | *Remijia pacimonica* Standl. | AY538416 |
| Lamiales | Verbenaceae | *Vitex rotundifolia* L. f. | AB284177 |
| Lamiales | Verbenaceae | *Vitex trifolia* L. | AB284175 |
| Laurales | Lauraceae | *Actinodaphne malaccensis* Hook. f. | AB258992 |
| Laurales | Lauraceae | *Lindera aggregata* (Sims) Kosterm*.* | AB442057 |
| Laurales | Lauraceae | *Lindera umbellata* Thunb. | AB259069 |
| Laurales | Lauraceae | *Litsea costalis* (Nees) Kosterm. | AB259072 |
| Laurales | Lauraceae | *Litsea ferruginea* Blume | AB259077 |
| Laurales | Lauraceae | *Litsea sarawacensis* Gamble | AB259091 |
| Laurales | Lauraceae | *Litsea tomentosa* Blume | AB259092 |
| Laurales | Lauraceae | *Neolitsea cassia* (L.) Kosterm. | AB259095 |
| Laurales | Lauraceae | *Neolitsea javanica* (Blume) Backer | AB259096 |
| Laurales | Lauraceae | *Neolitsea sericea* (Blume) Koidz. | AB259097 |
| Magnoliales | Annonaceae | *Ambavia gerrardii* (Baill.) Le Thomas | AY220435 |
| Magnoliales | Annonaceae | *Anaxagorea acuminata* St. Hil. | AY220436 |
| Magnoliales | Annonaceae | *Annona glabra* L. | GQ139717 |
| Magnoliales | Annonaceae | *Asimina angustifolia* Raf. | GQ139712 |
| Magnoliales | Annonaceae | *Asimina incana* (W. Bartram) Exell | GQ139734 |
| Magnoliales | Annonaceae | *Asimina obovata* (Willd.) Nash | GQ139715 |
| Magnoliales | Annonaceae | *Asimina parviflora* (Michx.) Dunal | GQ139732 |
| Magnoliales | Annonaceae | *Asimina reticulata* Shuttlew. | GQ139713 |
| Magnoliales | Annonaceae | *Asimina triloba* (L.) Dunal | AY220437 |
| Magnoliales | Annonaceae | *Cananga odorata* (Lam.) Hook. f. & Thomson | AY220438 |
| Magnoliales | Annonaceae | *Deeringothamnus pulchellus* Small | GQ139714 |
| Magnoliales | Annonaceae | *Disepalum pulchrum* (King) J. Sinclair | GQ139736 |
| Magnoliales | Annonaceae | *Oxandra lanceolata* (Sw.) Baill. | GQ139721 |
| Magnoliales | Annonaceae | *Polyalthia suberosa* (Roxb.) Thwaites | AY220439 |
| Magnoliales | Magnoliaceae | *Kmeria lotungensis*a | AF123475 |
| Magnoliales | Magnoliaceae | *Kmeria omeiensis*a | AF123476 |
| Magnoliales | Magnoliaceae | *Kmeria yunnanensis*a | AF123474 |
| Magnoliales | Magnoliaceae | *Liriodendron chinense* (Hemsl.) Sarg. | AF123481 |
| Magnoliales | Magnoliaceae | *Magnolia albosericea* Chun & C. H. Tsoong | AF123464 |
| Magnoliales | Magnoliaceae | *Magnolia denudata* Desr. | AF123465 |
| Magnoliales | Magnoliaceae | *Magnolia villosa* (Miq.) H. Keng | AB623296 |
| Magnoliales | Magnoliaceae | *Manglietia sinica* (Y. W. Law) B. L. Chen & Noot. | AF123479 |
| Magnoliales | Magnoliaceae | *Michelia baillonii* (Pierre) Finet & Gagnep. | AF123469 |
| Magnoliales | Magnoliaceae | *Michelia figo* (Lour.) Spreng. | AF123467 |
| Magnoliales | Magnoliaceae | *Michelia odora* (Chun) Noot. & B. L. Chen | AF123470 |
| Magnoliales | Myristicaceae | *Compsoneura sprucei* (A. DC.) Warb. | AY220445 |
| Magnoliales | Myristicaceae | *Gymnacranthera farquhariana* (Wall. ex Hook. f. & Thomson) Warb. | AY220446 |
| Magnoliales | Myristicaceae | *Knema laurina* (Blume) Warb. | AY220450 |
| Magnoliales | Myristicaceae | *Mauloutchia chapelieri* Warb. | AY220451 |
| Magnoliales | Myristicaceae | *Myristica maingayi* Hook. f. | AY220452 |
| Magnoliales | Myristicaceae | *Pycnanthus angolensis* (Welw.) Warb. | AY220453 |
| Magnoliales | Myristicaceae | *Virola michelii* Heckel | AY220454 |
| Malpighiales | Calophyllaceae | *Calophyllum* sp. L. | AB698448 |
| Malpighiales | Calophyllaceae | *Kayea stylosa* Thwaites | HQ331640 |
| Malpighiales | Clusiaceae | *Clusia criuva* Cambess. | AB450037 |
| Malpighiales | Euphorbiaceae | *Blumeodendron kurzii* J. J. Sm. ex Koord. & Valeton | EF582623 |
| Malpighiales | Euphorbiaceae | *Cheilosa montana* Blume | AB268014 |
| Malpighiales | Euphorbiaceae | *Cordemoya eucausta* (Airy Shaw) S. E. C. Sierra, Kulju & Welzen | EF582624 |
| Malpighiales | Euphorbiaceae | *Euphorbia grandicornis* Goebel ex N. E. Br. | KC019417 |
| Malpighiales | Euphorbiaceae | *Euphorbia grandidens* K. I. Goebel | KC019376 |
| Malpighiales | Euphorbiaceae | *Hevea brasiliensis* (Willd. ex A. Juss.) Müll. Arg. | HQ606140 |
| Malpighiales | Euphorbiaceae | *Macaranga kurzii* (Kuntze) Pax & K. Hoffm. | EF582629 |
| Malpighiales | Euphorbiaceae | *Macaranga trichocarpa* (Rchb. f. & Zoll.) Müll. Arg. | EF582631 |
| Malpighiales | Euphorbiaceae | *Mallotus rhamnifolius* (Willd.) Müll. Arg. | EF582680 |
| Malpighiales | Euphorbiaceae | *Mallotus tetracoccus* (Roxb.) Kurz | EF582683 |
| Malpighiales | Euphorbiaceae | *Rinorea bengalensis* (Wall.) Kuntze | DQ842611 |
| Malpighiales | Euphorbiaceae | *Rinorea lanceolata* Kuntze | DQ842610 |
| Malpighiales | Ixonanthaceae | *Ixonanthes* sp.Jack | AB048381 |
| Malpighiales | Phyllanthaceae | *Aporosa frutescens* Blume | AY552417 |
| Malpighiales | Phyllanthaceae | *Cleistanthus perrieri* Leandri  | AY552425 |
| Malpighiales | Phyllanthaceae | *Phyllanthus sepialis* Müll. Arg. | AY936633 |
| Malpighiales | Phyllanthaceae | *Sauropus orbicularis* Craib  | AY936645 |
| Malpighiales | Phyllanthaceae | *Sauropus spatulifolius* Beille | AY936647 |
| Malpighiales | Violaceae | *Viola japonica* Langsd. ex Ging. | DQ842602 |
| Malpighiales | Violaceae | *Viola philippica* Cav. | DQ842600 |
| Malvales | Malvaceae | *Durio zibethinus* L. | AB289826 |
| Malvales | Malvaceae | *Pentace polyantha* Hassk. | AY321183  |
| Malvales | Malvaceae | *Pterospermum acerifolium* Willd. | AY321176 |
| Malvales | Malvaceae | *Sterculia tragacantha* Lindl. | AY321178 |
| Myrtales | Melastomataceae | *Memecylon elaeagni* Blume | AF368211 |
| Myrtales | Myrtaceae | *Calyptranthes pallens* Griseb. | AF368201 |
| Myrtales | Myrtaceae | *Leptospermum parvifolium* Sm. | AF184732 |
| Myrtales | Myrtaceae | *Leptospermum spectabile* Joy Thomps. | AY521539 |
| Myrtales | Myrtaceae | *Leptospermum spinescens* Endl. | AF184734 |
| Myrtales | Myrtaceae | *Leptospermum wooroonooran* F. M. Bailey | AF184736 |
| Myrtales | Myrtaceae | *Pimenta racemosa* (Mill.) J. W. Moore | AY521545 |
| Myrtales | Myrtaceae | *Psidium longipes* (O. Berg) McVaugh | AY521546 |
| Myrtales | Myrtaceae | *Syzygium australe* (Link) B. Hyland | AF368221 |
| Myrtales | Myrtaceae | *Syzygium cumini* (L.) Skeels | AY525140 |
| Proteales | Sabiaceae | *Meliosma* aff. *cuneifolia* Franch. | GQ997475 |
| Proteales | Sabiaceae | *Sabia swinhoei* Hemsl. | GU266603 |
| Rosales | Cannabaceae | *Gironniera subaequalis* Planch. | AF345319 |
| Rosales | Moraceae | *Ficus* sp.L. | EU002177 |
| Rosales | Moraceae | *Ficus carica* L. | AY257530 |
| Rosales | Moraceae | *Ficus racemosa* L. | KT368151 |
| Rosales | Moraceae | *Morus alba* L. | AY257531 |
| Rosales | Rhamnaceae | *Rhamnus cathartica* L. | AY257532 |
| Rosales | Rhamnaceae | *Rhamnus cathartica* L. | AY257533 |
| Rosales | Rosaceae | *Prunus persica* (L.) Batsch | AF288117 |
| Rosales | Rosaceae | *Prunus virginiana* L. | AF288118 |
| Sapindales | Anacardiaceae | *Pleiogynium timoriense* (A. DC.) Leenh. | AY724340 |
| Sapindales | Anacardiaceae | *Semecarpus australiensis* Engl. | AY594479 |
| Sapindales | Meliaceae | *Azadirachta indica* A. Juss. | EF489115 |
| Sapindales | Meliaceae | *Cipadessa baccifera* (Roth) Miq. | EF489116 |
| Sapindales | Meliaceae | *Melia azedarach* L. | EF489117 |
| Sapindales | Meliaceae | *Swietenia macrophylla* King | EF489114 |
| Sapindales | Rutaceae | *Citrus depressa* Hayata | AB839932 |
| Sapindales | Rutaceae | *Citrus tachibana* Tanaka | AB839905 |
| Sapindales | Rutaceae | *Glycosmis citrifolia* (Willd.) Lindl. | AB762392 |
| Sapindales | Rutaceae | *Glycosmis pentaphylla* (Retz.) DC. | AB762391 |
| Sapindales | Rutaceae | *Micromelum minutum* Wight & Arn. | AB762396 |
| Sapindales | Rutaceae | *Severinia buxifolia* (Poir.) Ten. | AB762384 |
| Sapindales | Sapindaceae | *Deinbollia borbonica* Scheff. | AY724284 |
| Sapindales | Sapindaceae | *Erioglossum rubiginosum* (Roxb.) Blume | AY724293 |
| Sapindales | Sapindaceae | *Lepisanthes alata* (Blume) Leenh. | AY724312 |
| Sapindales | Sapindaceae | *Nephelium mutabile* Blume | AY724316 |
| Sapindales | Sapindaceae | *Paranephelium macrophyllum* King | AY724318 |
| Sapindales | Sapindaceae | *Paranephelium xestophyllum* Miq. | AY724319 |
| Sapindales | Sapindaceae | *Sapindus saponaria* L. | AY724324 |
| Sapindales | Sapindaceae | *Sapindus trifoliatus* L. | AY724323 |
| Sapindales | Sapindaceae | *Sarcopteryx martyana* (F.Muell.) Radlk. | AY724326 |
| Sapindales | Sapindaceae | *Sarcotoechia serrata* S. T. Reynolds | AY724327 |
| Sapindales | Sapindaceae | *Schleichera oleosa* (Lour.) Oken | AY724329 |
| Sapindales | Sapindaceae | *Synima cordieri* (F. Muell.) Radlk. | AY724333 |
| Sapindales | Sapindaceae | *Toechima erythrocarpum* (F. Muell.) Radlk. | AY724335 |
| Sapindales | Sapindaceae | *Tristiropsis acutangula* Radlk. | AY724337 |
| Sapindales | Simaroubaceae | *Ailanthus altissima* (Mill.) Swingle | EF489111 |
| Sapindales | Simaroubaceae | *Ailanthus giraldii* Dode | EF489112 |
| Sapindales | Simaroubaceae | *Simarouba glauca* DC. | EF489113 |
| Sapindales | Simaroubaceae | *Simarouba tulae* Urb. | EU042901 |

a Species names from the accession titles as published in GenBank.