

## SUPPORTING INFORMATION

### Extent and timing of floristic exchange between Australian and Asian rain forests

J. M. Kale Sniderman and Gregory J. Jordan

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**Appendix S1** Disjunctions between Australian rain forest and other regions (excluding New Guinea), allocated according to rain forest type (see the Materials and Methods section of the main text). The number of species allocated to each clade (Species), whether the disjunctions are with Asia/Malesia (Northern), and whether they represent within-species disjunctions (Intraspecific) are given. Ages of the oldest Australian fossil record for each clade are shown (Age class) according to the south-eastern Australian pollen stratigraphy (Stover & Partridge, 1973), as listed in Appendix S2. Disjunctions recorded in both microthermal and other rain forest types are indicated with an asterisk (\*). Littoral forests include mangroves.

Family	Disjunct clade <sup>1</sup>	Rain forest type	Species	Northern	Intra-specific	Age class <sup>2</sup>
Acanthaceae	<i>Graptophyllum</i>	dry	2	1	0	17
	<i>Hypoestes</i>	dry	1	1	0	17
	<i>Rhaphidospora</i>	dry	1	1	0	17
	<i>Rostellularia</i>	dry	1	1	0	17
	<i>Pseuderanthemum</i>	mesothermal	1	1	0	17
	<i>Acanthus ilicifolius</i>	littoral	1	1	1	16
	<i>Dicliptera spicata</i>	dry	1	1	1	17
	<i>Harnieria</i>	dry	1	1	0	17
	<i>Avicennia marina</i>	littoral	1	1	1	14
	<i>Thunbergia</i>	dry	1	1	0	17
Achariaceae	<i>Baileyoxyton</i>	mesothermal	1	1	0	17
	<i>Ryparosa</i>	lowland tropical	1	1	0	17
Actinidiaceae	<i>Saurauia</i>	lowland tropical	1	1	0	16
Agavaceae	<i>Cordyline</i>	mesothermal	7	1	0	8
	<i>Pleomele angustifolia</i>	lowland tropical	1	1	1	17
Akaniaceae	<i>Akania</i>	mesothermal	1	1	0	17
Alseuosmiaceae	<i>Crispiloba</i>	mesothermal	1	0	0	17
	<i>Wittsteinia</i>	microthermal	1	0	0	17
Amaranthaceae	<i>Deeringia amaranthoides</i>	mesothermal	1	1	1	16
	<i>Deeringia arborescens</i>	lowland tropical	1	1	1	17
Anacardiaceae	<i>Blepharocarya</i>	mesothermal	1	1	0	16
	<i>Buchanania arborescens</i>	lowland tropical	1	1	1	17
	<i>Buchanania mangoides</i>	littoral	1	1	0	17
	<i>Buchanania obovata</i>	dry	1	1	1	17
	<i>Euroschinus</i>	mesothermal	1	0	0	7
	<i>Pleiogynium timorense</i>	dry	1	1	1	16
	<i>Rhodospaera</i>	dry	1	1	0	17
	<i>Semecarpus australiensis</i>	lowland tropical	1	1	1	17
Annonaceae	<i>Artabotrys</i>	dry	1	1	0	17
	<i>Cananga odorata</i>	lowland tropical	1	1	1	17
	<i>Cyathostemma</i>	littoral	1	1	0	17
	<i>Cyathostemma micranthum</i>	littoral	1	1	1	17
	<i>Desmos</i>	mesothermal	3	1	0	17
	<i>Fitzalania</i>	dry	1	1	0	17
	<i>Goniothalamus</i>	mesothermal	1	1	0	17
	<i>Haplostichanthus</i>	mesothermal	5	1	0	17
	<i>Meiogyne</i>	mesothermal	4	1	0	17
	<i>Meiogyne cylindrocarpa</i>	dry	1	1	1	17

Family	Clade	Rain forest type	Species	northern	intra-specific	age class
Annonaceae	<i>Melodorum</i>	mesothermal	5	1	0	17
	<i>Melodorum leichhardtii</i>	mesothermal	1	1	1	17
	<i>Miliusia</i>	lowland tropical	2	1	0	17
	<i>Miliusia horsfieldii</i>	lowland tropical	1	1	1	17
	<i>Mitrephora zippeliana</i>	lowland tropical	1	1	1	17
	<i>Polyalthia</i>	lowland tropical	3	1	0	17
	<i>Polyalthia nitidissima</i>	dry	1	0	1	17
	<i>Pseuduvaria</i>	lowland tropical	1	1	0	17
	<i>Pseuduvaria</i> group 1	mesothermal	1	1	0	17
	<i>Pseuduvaria</i> group 2	mesothermal	2	1	0	17
	<i>Uvaria</i>	dry	2	1	0	17
	<i>Uvaria rufa</i>	dry	1	1	1	17
	<i>Xylopia</i>	mesothermal	2	1	0	17
	Aphanopetalaceae	<i>Aphanopetalum</i>	mesothermal	1	1	0
Apiaceae	<i>Trachymene</i>	dry	1	1	0	17
Apocynaceae	<i>Alstonia</i>	mesothermal	4	1	0	17
	<i>Alstonia scholaris</i>	mesothermal	1	1	1	17
	<i>Alstonia spectabilis</i>	dry	1	1	1	17
	<i>Alyxia</i>	mesothermal	5	1	0	8
	<i>Carissa</i>	dry	3	1	0	17
	<i>Cerbera</i>	mesothermal	2	1	0	17
	<i>Cerbera manghas</i>	lowland tropical	1	1	1	17
	<i>Ichnocarpus</i>	lowland tropical	1	1	0	17
	<i>Ichnocarpus frutescens</i>	dry	1	1	1	17
	<i>Kopsia arborea</i>	lowland tropical	1	1	1	17
	<i>Melodinus</i>	mesothermal	4	1	0	17
	<i>Melodinus forbesii</i>	dry	1	1	1	17
	<i>Neisosperma</i>	mesothermal	1	1	0	17
	<i>Ochrosia</i>	lowland tropical	2	1	0	17
	<i>Ochrosia elliptica</i>	littoral	1	0	1	17
	<i>Parsonsia</i>	mesothermal	23	1	0	7
	<i>Parsonsia alboflavescens</i>	dry	1	1	1	17
	<i>Tabernaemontana pandacaqui</i>	mesothermal	2	1	1	17
	<i>Tabernaemontana pubescens</i>	dry	1	1	1	17
	<i>Voacanga grandifolia</i>	dry	1	1	1	17
	<i>Wrightia</i>	dry	1	1	0	17
	<i>Wrightia laevis</i>	lowland tropical	1	1	1	17
	<i>Wrightia pubescens</i>	dry	1	1	1	17
	<i>Ceropegia cumingiana</i>	dry	1	1	1	17
	<i>Cryptolepis</i>	mesothermal	1	1	0	2
	<i>Cynanchum</i>	dry	4	1	0	17
	<i>Cynanchum carnosum</i>	littoral	1	1	1	17
	<i>Cynanchum ovalifolium</i>	dry	1	1	1	17
	<i>Dischidia littoralis</i>	lowland tropical	1	1	1	17
	<i>Dischidia major</i>	lowland tropical	1	1	1	17
	<i>Dischidia</i>	lowland tropical	1	1	0	17
	<i>Dischidia nummularifolia</i>	lowland tropical	1	1	1	17
	<i>Gunnessia</i>	dry	1	0	0	17
	<i>Gymnanthera oblonga</i>	littoral	1	1	1	17
	<i>Heterostemma acuminatum</i>	dry	1	1	1	17
	<i>Hoya</i>	lowland tropical	4	1	0	17
	<i>Hoya sussuela</i>	dry	1	1	1	17
<i>Marsdenia</i>	mesothermal	20	1	0	17	
<i>Marsdenia velutina</i>	dry	1	1	1	17	
<i>Sarcolobus</i>	dry	2	1	0	17	
<i>Sarcostemma viminalis</i>	dry	2	1	1	17	
<i>Secamone elliptica</i>	dry	1	1	1	17	
<i>Secamone lineata</i>	dry	1	1	1	17	
<i>Secamone timorensis</i>	dry	1	1	1	17	
<i>Tylophora</i>	mesothermal	8	1	0	17	
<i>Tylophora flexuosa</i>	dry	1	1	1	17	
Aquifoliaceae	<i>Ilex</i>	lowland tropical	2	1	0	2
Araceae	<i>Epipremnum amplissimum</i>	dry	1	0	1	17

Family	Clade	Rain forest type	Species	northern	intra-specific	age class	
Araceae	<i>Epipremnum pinnatum</i>	lowland tropical	1	1	1	17	
	<i>Rhaphidophora</i>	mesothermal	3	1	0	17	
	<i>Scindapsus altissimus</i>	lowland tropical	1	0	1	17	
	<i>Gymnostachys</i>	mesothermal	1	1	0	17	
	<i>Pothos</i>	mesothermal	2	1	0	17	
	<i>Alocasia</i>	mesothermal	1	1	0	17	
	<i>Amorphophallus</i>	dry	1	1	0	17	
Araliaceae	<i>Cephalalaria, Motherwellia</i>	mesothermal	2	1	0	17	
	<i>Gastonia</i>	lowland tropical	1	1	0	17	
	<i>Mackinlaya</i>	mesothermal	2	1	0	17	
	<i>Polyscias*</i>	mesothermal	7	1	0	10	
	<i>Polyscias*</i>	microthermal	1	1	0	10	
	<i>Polyscias macgillivrayi</i>	lowland tropical	1	1	1	17	
	<i>Polyscias nodosa</i>	lowland tropical	1	1	1	17	
Araliaceae	<i>Schefflera</i>	mesothermal	2	1	0	16	
	<i>Schefflera elliptica</i>	lowland tropical	1	1	1	17	
	<i>Delarbrea</i>	mesothermal	1	1	0	17	
	<i>Pseudopanax</i>	microthermal	1	0	0	14	
Araucariaceae	<i>Agathis</i>	mesothermal	3	0	0	7	
	<i>Araucaria cunninghamii</i>	mesothermal	1	0	0	1	
	<i>Araucaria bidwillii</i>	mesothermal	1	0	0	1	
	<i>Wollemia</i>	mesothermal	1	1	0	1	
Arecaceae	<i>Archontophoenix</i>	mesothermal	6	1	0	16	
	<i>Arenga</i>	lowland tropical	2	1	0	1	
	<i>Calamus</i>	mesothermal	6	1	0	6	
	<i>Calamus aruensis</i>	dry	1	1	1	17	
	<i>Calamus holrungii</i>	lowland tropical	1	1	1	17	
	<i>Caryota</i>	lowland tropical	1	1	0	17	
	<i>Corypha</i>	dry	1	1	0	17	
	<i>Hydriastele</i>	lowland tropical	2	1	0	17	
	<i>Licuala</i>	lowland tropical	1	1	0	17	
	<i>Linospadix, Laccospadix</i>	mesothermal	6	1	0	17	
	<i>Livistona</i>	mesothermal	2	1	0	17	
	<i>Wodyetia, Carpenteria, Normanbya</i>	dry	3	1	0	17	
	<i>Nypa</i>	littoral	1	1	0	5	
	<i>Oraniopsis</i>	mesothermal	1	0	0	16	
	<i>Ptychosperma</i>	lowland tropical	3	1	0	17	
Argophyllaceae	<i>Argophyllum</i>	mesothermal	6	0	0	16	
	<i>Corokia</i>	mesothermal	1	0	0	17	
	<i>Aristolochia</i>	lowland tropical	6	1	0	17	
Aristolochiaceae	<i>Pararistolochia</i>	mesothermal	6	1	0	17	
Asteraceae	<i>Adenostemma macrophyllum</i>	mesothermal	1	1	1	17	
	<i>Blumea milnei</i>	mesothermal	1	1	1	17	
	<i>Blumea riparia</i>	lowland tropical	1	1	1	17	
	<i>Cassinia</i>	dry	1	0	0	15	
	<i>Olearia</i>	dry	2	0	0	17	
	<i>Ozothamnus</i>	mesothermal	3	1	0	17	
	<i>Vernonia cinerea</i>	dry	1	1	1	17	
	<i>Wedelia biflora</i>	dry	1	1	1	17	
	<i>Wedelia cunninghamii</i>	dry	1	1	1	17	
	Atherospermataceae	<i>Atherosperma</i>	microthermal	1	0	0	15
		<i>Doryphora*</i>	microthermal	1	0	0	16
<i>Daphandra, Doryphora, Dryodaphne*</i>		mesothermal	1	0	0	16	
Austrobaileyaceae	<i>Austrobaileya</i>	mesothermal	1	1	0	17	
Balanopaceae	<i>Balanops</i>	mesothermal	1	0	0	16	
Berberidopsidaceae	<i>Berberidopsis</i>	microthermal	1	0	0	17	
Bignoniaceae	<i>Deplanchea</i>	dry	1	1	0	17	
	<i>Neosepicaea</i>	mesothermal	2	1	0	17	
	<i>Pandorea</i>	mesothermal	3	1	0	17	
	<i>Pandorea pandorana</i>	mesothermal	1	1	1	17	
	<i>Tecomnanthe</i>	mesothermal	2	1	0	17	
Bixaceae	<i>Cochlospermum</i>	dry	1	1	0	17	

Family	Clade	Rain forest type	Species	northern	intra-specific	age class
Bombacaceae	<i>Adansonia</i>	dry	1	0	0	5
	<i>Bombax ceiba</i>	dry	1	1	1	17
Boraginaceae	<i>Argusia argentea</i>	littoral	1	1	1	17
	<i>Carmona retusa</i>	dry	1	1	1	17
	<i>Cordia dichotoma</i>	dry	1	1	1	17
	<i>Cordia subcordata</i>	dry	1	1	1	17
	<i>Ehretia</i>	dry	2	1	0	17
	<i>Ehretia acuminata</i>	dry	1	1	1	17
	<i>Ehretia laevis</i>	dry	1	1	1	17
	<i>Tournefortia</i>	dry	1	1	0	17
	<i>Tournefortia sarmentosa</i>	mesothermal	1	1	1	17
	<i>Trichodesma zeylanicum</i>	dry	1	1	1	17
Burseraceae	<i>Canarium</i>	mesothermal	3	1	0	17
	<i>Canarium acutifolium</i>	lowland tropical	1	1	1	17
	<i>Canarium vitiense</i>	lowland tropical	1	0	1	17
Burseraceae	<i>Garuga floribunda</i>	dry	1	1	1	17
Calycanthaceae	<i>Idiospermum</i>	lowland tropical	1	1	0	17
Campanulaceae	<i>Lobelia</i>	lowland tropical	1	1	0	17
Cannabaceae	<i>Aphananthe philippensis</i>	dry	1	1	1	16
	<i>Trema aspera</i>	mesothermal	1	1	1	17
	<i>Trema cannabina</i>	mesothermal	1	1	1	15
	<i>Trema orientalis</i>	mesothermal	1	1	1	17
	<i>Trema tomentosa</i>	dry	1	1	1	17
Capparaceae	<i>Cadaba capparoides</i>	dry	1	1	1	17
	<i>Capparis</i>	mesothermal	8	1	0	17
	<i>Capparis lanceolaris</i>	lowland tropical	1	1	1	17
	<i>Capparis lucida</i>	dry	1	1	1	17
	<i>Capparis quiniflora</i>	dry	1	1	1	17
	<i>Capparis sepiaria</i>	dry	1	1	1	17
	<i>Crateva religiosa</i>	lowland tropical	1	1	1	17
Caprifoliaceae	<i>Sambucus</i>	mesothermal	2	1	0	17
Cardiopteridaceae	<i>Cardiopteris moluccana</i>	lowland tropical	1	1	1	17
Cardiopteridaceae	<i>Citronella</i>	mesothermal	2	1	0	17
Casuarinaceae	<i>Allocasuarina</i>	dry	1	1	0	10
	<i>Casuarina equisetifolia</i>	littoral	1	1	1	17
	<i>Gymnostoma</i>	mesothermal	1	1	0	4
Celastraceae	<i>Celastrus</i>	mesothermal	2	1	0	17
	<i>Denhamia/Hedraiantha</i>	mesothermal	9	1	0	17
	<i>Elaeodendron</i>	dry	2	1	0	14
	<i>Euonymus</i>	lowland tropical	2	1	0	17
	<i>Gymnosporia inermis</i>	littoral	1	1	1	17
	<i>Hexaspora</i>	lowland tropical	1	1	0	17
	<i>Hypsophila</i>	mesothermal	2	0	0	17
	<i>Lophopetalum</i>	dry	1	1	0	17
	<i>Maytenus</i>	dry	6	1	0	17
	<i>Perrottetia</i>	mesothermal	1	1	0	17
	<i>Pleurostyla opposita</i>	littoral	1	1	1	17
	<i>Siphonodon</i>	mesothermal	2	1	0	17
Chenopodiaceae	<i>Einadia</i>	dry	1	0	0	17
Chrysobalanaceae	<i>Maranthes corymbosa</i>	lowland tropical	1	1	1	17
	<i>Parinari</i>	dry	1	1	0	17
Clusiaceae	<i>Calophyllum</i>	mesothermal	3	1	0	17
	<i>Calophyllum inophyllum</i>	littoral	1	1	1	17
	<i>Calophyllum sil</i>	lowland tropical	1	1	1	17
	<i>Calophyllum soulatri</i>	lowland tropical	1	1	1	17
	<i>Garcinia</i>	mesothermal	8	1	0	17
	<i>Mammea</i>	mesothermal	1	1	0	17
	<i>Mesua</i>	mesothermal	2	1	0	17
Colchicaceae	<i>Kuntheria</i>	mesothermal	1	0	0	17
Combretaceae	<i>Combretum trifoliatum</i>	dry	1	1	1	17
	<i>Dansiea</i>	dry	1	1	0	17
	<i>Lumnitzera littorea</i>	littoral	1	1	1	16
	<i>Lumnitzera racemosa</i>	littoral	1	1	1	17

Family	Clade	Rain forest type	Species	northern	intra-specific	age class	
Combretaceae	<i>Macropteranthes</i>	dry	1	1	0	17	
	<i>Terminalia</i>	lowland tropical	10	1	0	17	
	<i>Terminalia catappa</i>	littoral	1	1	1	16	
Commelinaceae	<i>Pollia</i>	mesothermal	1	1	0	17	
Connaraceae	<i>Connarus</i>	mesothermal	1	1	0	17	
	<i>Rourea brachyandra</i>	lowland tropical	1	1	1	17	
Convolvulaceae	<i>Erycibe</i>	lowland tropical	1	1	0	17	
	<i>Ipomoea</i>	dry	6	1	0	7	
	<i>Ipomoea aculeata</i>	dry	1	1	1	17	
	<i>Ipomoea eriocarpa</i>	dry	1	1	1	17	
	<i>Ipomoea littoralis</i>	littoral	1	1	1	17	
	<i>Ipomoea macrantha</i>	dry	1	1	1	17	
	<i>Ipomoea mauritiana</i>	lowland tropical	1	1	1	17	
	<i>Ipomoea nil</i>	dry	1	1	1	17	
Convolvulaceae	<i>Ipomoea obscura</i>	dry	1	1	1	17	
	<i>Ipomoea pes-carprae</i>	littoral	1	1	1	17	
	<i>Ipomoea plebeia</i>	dry	1	1	1	17	
	<i>Jacquemontia panuculata</i>	dry	1	1	1	17	
	<i>Lepistemon urceolatus</i>	dry	1	1	1	17	
	<i>Merremia gemella</i>	dry	1	1	1	17	
	<i>Merremia hederaceae</i>	lowland tropical	1	1	1	17	
	<i>Merremia umbellata</i>	dry	1	1	1	17	
	<i>Operculina riedeliana</i>	dry	1	1	1	17	
	<i>Stictocardia</i>	dry	1	1	0	17	
	<i>Xenostegia tridentata</i>	dry	1	1	1	17	
	Cornaceae	<i>Alangium</i>	lowland tropical	1	1	0	5
		<i>Alangium villosum</i>	mesothermal	1	1	1	17
Corynocarpaceae	<i>Corynocarpus</i>	mesothermal	2	0	0	17	
Costaceae	<i>Costus</i>	lowland tropical	1	1	0	17	
Costaceae	<i>Tapinochilus</i>	lowland tropical	1	1	0	17	
Cucurbitaceae	<i>Diplocyclos palmatus</i>	dry	1	1	1	17	
	<i>Luffa cylindrica</i>	dry	1	1	1	17	
	<i>Momordica cochinchinensis</i>	dry	1	1	1	17	
	<i>Muellerargia timorensis</i>	dry	1	1	1	17	
	<i>Mukia</i>	dry	1	1	0	17	
	<i>Mukia maderospatana</i>	dry	1	1	1	17	
	<i>Neoalsomitra</i>	lowland tropical	2	1	0	17	
	<i>Sicyos</i>	dry	1	0	0	17	
	<i>Trichosanthes</i>	mesothermal	4	1	0	17	
	<i>Trichosanthes cucumerina</i>	lowland tropical	1	1	1	17	
	<i>Trichosanthes ovigera</i>	mesothermal	1	1	1	17	
	<i>Zehneria</i>	mesothermal	1	1	0	17	
	Cunoniaceae	<i>Acsmithia</i>	mesothermal	1	0	0	9
		<i>Caldcluvia</i>	mesothermal	2	1	0	17
		<i>Callicoma*</i>	mesothermal	1	0	0	9
<i>Callicoma*</i>		microthermal	1	0	0	9	
<i>Ceratopetalum, Davidsonia, Schizomeria*</i>		mesothermal	12	0	0	7	
<i>Anodopetalum, Ceratopetalum*</i>		microthermal	2	0	0	7	
<i>Eucryphia</i>		mesothermal	1	0	0	5	
<i>Geissois</i>		mesothermal	2	0	0	17	
<i>Gilbeea</i>		mesothermal	1	0	0	2	
<i>Pseudoweinmannia</i>		mesothermal	1	1	0	17	
<i>Pullea</i>		mesothermal	1	0	0	17	
Cupressaceae	<i>Eucryphia</i>	microthermal	4	0	0	4	
	<i>Vesselowskia</i>	microthermal	2	0	0	9	
	<i>Callitris</i>	mesothermal	2	0	0	4	
	<i>Athrotaxis</i>	microthermal	2	0	0	4	
Cyatheaceae	<i>Diselma</i>	microthermal	1	0	0	9	
	<i>Cyathea*</i>	microthermal	1	0	0	8	
	<i>Cyathea*</i>	mesothermal	3	1	0	5	
Cycadaceae	<i>Cyathea cunninghamii</i>	mesothermal	1	0	1	17	
	<i>Cycas</i>	dry	2	1	0	17	

Family	Clade	Rain forest type	Species	northern	intra-specific	age class	
Cyperaceae	<i>Carex</i>	mesothermal	1	1	0	4	
	<i>Cyperus</i>	dry	2	1	0	17	
	<i>Exocarya</i>	mesothermal	1	1	0	17	
	<i>Gahnia aspera</i>	mesothermal	1	1	1	10	
	<i>Gahnia sieberiana</i>	mesothermal	1	1	1	17	
	<i>Hypolytium compactum</i>	lowland tropical	1	1	1	17	
	<i>Hypolytium nemorum</i>	lowland tropical	1	1	1	17	
	<i>Rhynchospora corymbosa</i>	lowland tropical	1	1	1	17	
	<i>Scirpodendron ghaeri</i>	lowland tropical	1	1	1	17	
	<i>Scleria</i>	mesothermal	1	1	0	17	
	<i>Scleria sumatrensis</i>	lowland tropical	1	1	1	17	
	<i>Thoracostachyum sumatranum</i>	lowland tropical	1	1	1	17	
	Datisceae	<i>Tetrameles nudiflora</i>	dry	1	1	1	17
	Dichapetalaceae	<i>Dichapetalum papuanum</i>	mesothermal	1	1	1	17
Dichapetalaceae	<i>Dichapetalum timorensis</i>	lowland tropical	1	1	1	17	
Dicksoniaceae	<i>Dicksonia</i> *	mesothermal	2	0	0	1	
	<i>Dicksonia</i> *	microthermal	1	0	0	1	
Dilleniaceae	<i>Dillenia</i>	lowland tropical	1	1	0	16	
	<i>Hibbertia</i>	mesothermal	3	1	0	15	
	<i>Tetracera</i>	mesothermal	2	1	0	16	
Dioscoreaceae	<i>Dioscorea</i>	dry	1	1	0	17	
	<i>Dioscorea bulbifera</i>	dry	1	1	1	17	
Ebenaceae	<i>Diospyros</i>	mesothermal	16	1	0	7	
	<i>Diospyros cordifolia</i>	dry	1	1	1	17	
	<i>Diospyros cupulosa</i>	mesothermal	1	0	1	17	
	<i>Diospyros fasciculosa</i>	dry	1	1	1	17	
	<i>Diospyros hebecarpa</i>	dry	1	1	1	17	
Elaeagnaceae	<i>Elaeagnus triflorus</i>	mesothermal	1	1	1	17	
Elaeocarpaceae	<i>Aceratium</i>	mesothermal	5	1	0	17	
	<i>Aristotelia</i>	microthermal	2	0	0	17	
	<i>Elaeocarpus</i> *	microthermal	1	1	0	7	
	<i>Elaeocarpus</i> *	mesothermal	29	1	0	7	
	<i>Peripentadenia</i>	mesothermal	2	0	0	17	
	<i>Sloanea</i>	mesothermal	4	1	0	10	
	<i>Agapetes</i>	mesothermal	1	1	0	17	
Ericaceae	<i>Gaultheria</i>	microthermal	1	0	0	17	
	<i>Rhododendron</i>	mesothermal	1	1	0	17	
	<i>Prionotes</i>	microthermal	1	0	0	17	
	<i>Archeria</i>	microthermal	2	0	0	1	
	<i>Dracophyllum</i> *	mesothermal	1	0	0	9	
	<i>Richea, Dracophyllum</i> *	microthermal	3	0	0	9	
	<i>Acrothamnus</i>	mesothermal	1	1	0	17	
	<i>Acrotriche, Leucopogon</i>	mesothermal	5	0	0	17	
	<i>Leptecophylla</i>	microthermal	1	0	0	15	
	<i>Monotoca</i>	microthermal	1	0	0	14	
	<i>Trochocarpa</i> *	mesothermal	2	1	0	15	
	<i>Trochocarpa</i> *	microthermal	4	1	0	15	
	Erythroxylaceae	<i>Erythroxylon</i>	dry	2	1	0	17
		<i>Erythroxylon ecarianatum</i>	mesothermal	1	1	1	17
	Escalloniaceae	<i>Anopterus</i> *	mesothermal	1	0	0	17
<i>Anopterus</i> *		microthermal	1	0	0	17	
Escalloniaceae	<i>Polyosma</i>	mesothermal	8	1	0	10	
Euphorbiaceae	<i>Dimorphocalyx australiensis</i>	dry	1	1	1	17	
	<i>Pimelodendron amboinicum</i>	dry	1	1	1	17	
	<i>Suregada glomerulata</i>	dry	1	1	1	17	
	<i>Acalypha</i>	lowland tropical	5	1	0	14	
	<i>Alchornea</i>	dry	2	1	0	17	
	<i>Alchornea rugosa</i>	lowland tropical	1	1	1	17	
	<i>Claoxylon</i>	mesothermal	3	1	0	17	
	<i>Cleidion spiciflorum</i>	lowland tropical	1	1	1	17	
	<i>Endospermum</i>	lowland tropical	1	1	0	17	
	<i>Macaranga</i>	lowland tropical	2	1	0	7	
	<i>Macaranga inamoena, M. subdentata</i>	mesothermal	2	0	0	17	

Family	Clade	Rain forest type	Species	northern	intra-specific	age class	
Euphorbiaceae	<i>Macaranga tanarius</i>	lowland tropical	1	1	1	17	
	<i>Mallotus</i>	lowland tropical	7	1	0	16	
	<i>Mallotus mollissimus</i>	mesothermal	1	1	1	17	
	<i>Mallotus paniculatus</i>	mesothermal	1	1	1	17	
	<i>Mallotus phillipensis</i>	dry	1	1	1	17	
	<i>Mallotus repandus</i>	lowland tropical	1	1	1	17	
	<i>Mallotus resinosus</i>	lowland tropical	1	1	1	17	
	<i>Omphalea, Rockinghamia</i>	mesothermal	4	1	0	17	
	<i>Tragia</i>	dry	2	1	0	17	
	<i>Wetria</i>	lowland tropical	1	1	0	17	
	<i>Aleurites</i>	mesothermal	1	1	0	16	
	<i>Aleurites moluccana</i>	mesothermal	1	1	1	17	
	<i>Baloghia, Bertya, Hylandia, Fontainea</i>	mesothermal	8	0	0	16	
	<i>Baloghia inophylla</i>	dry	1	0	1	17	
	<i>Beyeria*</i>	dry	2	1	0	15	
	<i>Beyeria*</i>	microthermal	1	1	0	15	
	<i>Codiaeum</i>	dry	1	1	0	17	
	<i>Codiaeum variegatum</i>	mesothermal	1	1	1	17	
	<i>Croton</i>	lowland tropical	13	1	0	17	
	<i>Croton caudatus</i>	dry	1	1	1	17	
	<i>Croton insularis</i>	dry	1	0	1	17	
	<i>Croton tomentellus</i>	dry	1	1	1	17	
	<i>Ricinocarpos</i>	dry	1	0	0	17	
	<i>Euphorbia</i>	dry	1	1	0	16	
	<i>Euphorbia plumeroides</i>	dry	1	1	1	17	
	<i>Excoecaria</i>	dry	1	1	0	16	
	<i>Excoecaria agallocha</i>	littoral	1	1	1	16	
	<i>Homalanthus novoguineensis</i>	mesothermal	3	1	1	16	
	<i>Microstachys chamaelea</i>	dry	1	1	1	17	
	Eupomatiaceae	<i>Eupomatia</i>	mesothermal	2	1	0	17
	Fabaceae	<i>Bauhinia malabaricum</i>	dry	2	1	1	17
		<i>Caesalpinia bonduc</i>	littoral	1	1	1	17
		<i>Caesalpinia crista</i>	littoral	1	1	1	17
<i>Caesalpinia hymenocarpa</i>		dry	1	1	1	17	
<i>Caesalpinia major</i>		dry	1	1	1	17	
<i>Caesalpinia</i> spp		mesothermal	5	1	0	8	
<i>Cassia</i>		lowland tropical	2	1	0	17	
<i>Crudia</i>		dry	1	1	0	17	
<i>Cynometra ramiflora</i>		lowland tropical	1	1	1	17	
<i>Erythrophleum</i>		dry	1	1	0	17	
<i>Intsia bijuga</i>		lowland tropical	1	1	1	17	
<i>Labichea</i>		dry	1	0	0	17	
<i>Lysiphyllum</i>		dry	2	1	0	17	
<i>Lysiphyllum binatum</i>		littoral	1	1	1	17	
<i>Maniltoa lenticellata</i>		dry	1	1	1	17	
<i>Peltophorum pterocarpum</i>		dry	1	1	1	17	
<i>Senna</i>		dry	3	1	0	17	
<i>Senna gaudichaudiana</i>		dry	1	1	1	17	
<i>Senna timorensis</i>		dry	1	1	1	17	
<i>Storckiella</i>		lowland tropical	1	0	0	17	
<i>Austrostenisia</i>		mesothermal	4	1	0	16	
<i>Bossiaea</i>		dry	1	1	0	17	
<i>Cajanus</i>		dry	2	1	0	17	
<i>Callerya</i>		mesothermal	5	1	0	17	
<i>Canavalia</i>		lowland tropical	1	1	0	17	
<i>Canavalia cathartica</i>		lowland tropical	1	1	1	17	
<i>Canavalia rosea</i>		littoral	1	1	1	17	
<i>Castanospermum australe</i>		mesothermal	1	0	1	17	
<i>Crotalaria</i>		dry	1	1	0	17	
<i>Crotalaria verrucosa</i>		dry	1	1	1	17	
<i>Dalbergia</i>		dry	1	1	0	17	
<i>Dalbergia candenatensis</i>		littoral	1	1	1	17	

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Fabaceae	<i>Dendrolobium arbusculum</i>	lowland tropical	1	0	1	17
	<i>Dendrolobium umbellatum</i>	littoral	1	1	1	17
	<i>Derris</i>	mesothermal	5	1	0	17
	<i>Derris trifoliata</i>	littoral	1	1	1	17
	<i>Desmodium</i>	dry	2	1	0	17
	<i>Desmodium gangeticum</i>	dry	1	1	1	17
	<i>Desmodium heteocarpum</i>	dry	1	1	1	17
	<i>Desmodium ormocarpoides</i>	lowland tropical	1	1	1	17
	<i>Dioclea</i>	lowland tropical	1	1	0	17
	<i>Erythrina</i>	dry	1	1	0	17
	<i>Erythrina variegata</i>	littoral	1	1	1	17
	<i>Galactia</i>	dry	1	1	0	17
	<i>Galactia tenuiflora</i>	dry	1	1	1	17
	<i>Glycine, Kennedia, Hovea, Hardenbergia</i>	dry	5	1	0	9
	<i>Macrotyloma</i>	dry	1	1	0	17
	<i>Mucuna</i>	dry	1	1	0	17
	<i>Mucuna gigantea</i>	dry	1	1	1	17
	<i>Ormosia</i>	lowland tropical	1	1	0	17
	<i>Phylacium bracteosum</i>	lowland tropical	1	1	1	17
	<i>Pongamia</i>	dry	1	1	0	17
	<i>Pongamia pinnata</i>	littoral	1	1	1	17
	<i>Rhynchosia</i>	dry	1	1	0	17
	<i>Rhynchosia minima</i>	dry	1	1	1	17
	<i>Sesbania</i>	lowland tropical	1	1	0	17
	<i>Sesbania cannabina</i>	dry	1	1	1	17
	<i>Sophora tomentosa</i>	littoral	1	1	1	17
	<i>Strongylodon lucidus</i>	lowland tropical	1	1	1	17
	<i>Tephrosia</i>	dry	5	1	0	17
	<i>Tephrosia purpurea</i>	dry	1	1	1	17
	<i>Vandasina</i>	dry	1	1	0	17
	<i>Vigna</i>	dry	1	1	0	17
	<i>Vigna marina</i>	littoral	1	1	1	17
	<i>Acacia*</i>	mesothermal	19	0	0	9
	<i>Acacia*</i>	microthermal	2	0	0	9
	<i>Acacia mangium</i>	lowland tropical	1	1	1	17
	<i>Acacia oraria</i>	dry	1	1	1	17
	<i>Acacia pennata</i>	dry	1	1	1	17
	<i>Acacia spirorbis</i>	dry	1	0	1	17
	<i>Adenantha pavonia</i>	lowland tropical	1	1	1	17
	<i>Albizia</i>	mesothermal	2	1	0	17
	<i>Albizia lebeck</i>	dry	1	1	1	17
	<i>Albizia procera</i>	dry	1	1	1	17
	<i>Albizia retusa</i>	lowland tropical	2	1	1	17
	<i>Archidendron</i>	mesothermal	9	1	0	8
	<i>Archidendron lucyi</i>	lowland tropical	1	1	1	17
	<i>Archidendropsis</i>	lowland tropical	1	1	0	17
	<i>Cathormion umbellatum</i>	dry	1	1	1	17
	<i>Entada phaseoloides</i>	dry	1	1	1	17
	<i>Entada rheedii</i>	dry	1	1	1	17
	<i>Pararchidendron pruinosum</i>	mesothermal	1	1	1	17
<i>Paraserianthes</i>	lowland tropical	1	1	0	17	
Flagellariaceae	<i>Flagellaria indica</i>	mesothermal	1	1	1	16
Gesneriaceae	<i>Cyrtandra</i>	mesothermal	1	1	0	17
	<i>Fieldia, Lenbrassia*</i>	mesothermal	2	0	0	17
	<i>Fieldia*</i>	microthermal	1	0	0	17
Goodeniaceae	<i>Scaevola</i>	mesothermal	1	1	0	12
	<i>Scaevola taccada</i>	dry	1	0	1	17
Gyrostemonaceae	<i>Codonocarpus</i>	dry	1	1	0	10
Hammamelidaceae	<i>Neostrearia, Ostrearia, Noahdendron</i>	mesothermal	3	0	0	16
Hanguanaceae	<i>Hanguana malayana</i>	mesothermal	1	1	1	17
Hernandiaceae	<i>Gyrocarpus americanus</i>	dry	1	1	1	17
	<i>Hernandia albiflora</i>	lowland tropical	1	0	0	17

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Hernandiaceae	<i>Hernandia bivalvis</i> , <i>H. nymphaeifolia</i>	dry	2	0	0	17
Himantrandraceae	<i>Galbulimima</i>	mesothermal	1	0	0	17
Hippocrateaceae	<i>Hippocratea</i>	mesothermal	1	1	0	17
	<i>Salacia</i>	lowland tropical	1	1	0	17
	<i>Salacia chinensis</i>	littoral	1	1	1	17
	<i>Salacia erythrocarpa</i>	lowland tropical	1	1	1	17
Hypoxidaceae	<i>Molineria capitulata</i>	lowland tropical	1	1	1	17
Icacinaeae	<i>Apodytes</i>	mesothermal	1	1	0	16
	<i>Ryticaryum</i>	lowland tropical	1	1	0	17
Juncaceae	<i>Juncus usitatus</i>	mesothermal	1	0	1	17
Lamiaceae	<i>Clerodendron</i>	mesothermal	5	1	0	17
	<i>Clerodendron floribundum</i>	mesothermal	1	1	1	17
	<i>Clerodendron inerme</i>	littoral	1	1	1	17
Lamiaceae	<i>Faradaya splendida</i>	mesothermal	1	1	1	17
	<i>Basilicum polystchyon</i>	dry	1	1	1	17
	<i>Plectranthus</i>	dry	9	1	0	17
	<i>Plectranthus congestus</i>	dry	1	1	1	17
	<i>Plectranthus parviflorus</i>	dry	1	0	1	17
	<i>Plectranthus scutellarioides</i>	dry	1	1	1	17
	<i>Anisomeles malabarica</i>	dry	1	1	1	17
	<i>Pityrodia</i>	dry	1	1	0	17
	<i>Spartothamnella</i>	dry	1	1	0	17
	<i>Callicarpa candicans</i>	lowland tropical	1	1	1	17
	<i>Callicarpa caudata</i>	lowland tropical	1	1	1	17
	<i>Callicarpa longifolia</i>	dry	1	1	1	17
	<i>Callicarpa pedunculata</i>	dry	1	1	1	17
	<i>Glossocarya</i>	lowland tropical	2	1	0	17
	<i>Gmelina</i>	mesothermal	4	1	0	17
	<i>Petraeovitex multiflora</i>	lowland tropical	1	1	1	17
	<i>Premna</i>	dry	1	1	0	17
	<i>Premna dallachyana</i>	dry	2	1	1	17
	<i>Premna limbata</i>	dry	1	1	1	17
	<i>Premna odorata</i>	dry	1	1	1	17
	<i>Premna serratifolia</i>	dry	1	1	1	17
	<i>Vitex glabrata</i> +others	dry	3	0	0	17
	<i>Vitex helogiton</i>	dry	1	1	1	17
	<i>Vitex lignum-vitae</i> +others	mesothermal	1	0	0	17
	<i>Vitex rotundifolia</i>	littoral	1	1	1	17
	<i>Vitex trifoliata</i> +others	littoral	1	1	1	17
	<i>Viticipremna</i>	dry	1	1	0	17
Lauraceae	<i>Beilschmedia</i>	mesothermal	11	1	0	17
	<i>Cassytha capillaris</i>	dry	1	1	1	17
	<i>Cassytha filiformis</i>	dry	1	1	1	17
	<i>Cinnamomum</i>	mesothermal	5	1	0	17
	<i>Cryptocarya*</i>	mesothermal	44	1	0	4
	<i>Cryptocarya*</i>	microthermal	1	1	0	4
	<i>Cryptocarya densiflora</i>	mesothermal	1	1	1	17
	<i>Cryptocarya laevigata</i>	lowland tropical	1	1	1	17
	<i>Endiandra</i>	mesothermal	38	1	0	4
	<i>Lindera</i>	mesothermal	1	1	0	17
	<i>Litsea</i>	mesothermal	10	1	0	5
	<i>Litsea glutinosa</i>	lowland tropical	1	1	1	17
	<i>Neolitsea</i>	mesothermal	3	1	0	17
Lecythydaceae	<i>Barringtonia</i>	lowland tropical	1	1	0	17
	<i>Barringtonia acutangula</i>	dry	1	1	1	17
	<i>Barringtonia asiatica</i>	littoral	1	1	1	17
	<i>Barringtonia racemosa</i>	dry	1	1	1	17
	<i>Planchonia</i>	dry	1	1	0	17
Leeaceae	<i>Leea indica</i>	lowland tropical	1	1	1	16
	<i>Leea rubra</i>	lowland tropical	1	1	1	17
Liliaceae	<i>Asparagus racemosus</i>	dry	1	1	1	17
	<i>Crinum pedunculatum</i>	littoral	1	1	1	17
	<i>Proiphys amboinensis</i>	dry	1	1	1	17

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Linaceae	<i>Hugonia jenkinsii</i>	lowland tropical	1	1	1	17
Loganiaceae	<i>Fagraea</i>	mesothermal	1	1	0	10
	<i>Fagraea berterona</i>	lowland tropical	1	0	1	16
	<i>Fagraea cambadgei</i>	lowland tropical	1	0	1	16
	<i>Fagraea racemosa</i>	dry	1	1	1	17
	<i>Geniostoma</i>	mesothermal	1	1	0	17
	<i>Strychnos lucida</i>	dry	2	1	1	17
	<i>Strychnos minor</i>	dry	1	1	1	17
	<i>Strychnos psilosperma</i>	dry	1	1	1	17
	Lomandraceae	<i>Lomandra banksii</i>	dry	1	0	1
<i>Lomandra hystrix</i>		mesothermal	1	0	0	17
Loranthaceae	<i>Amyema</i>	mesothermal	11	1	0	17
	<i>Amylotheca</i>	mesothermal	1	1	0	14
Loranthaceae	<i>Benthamina, Dactylophora</i>	mesothermal	2	1	0	7
	<i>Cecarria obtusifolia</i>	lowland tropical	1	1	1	17
	<i>Decaisnina</i>	mesothermal	3	1	0	17
	<i>Dendrophthoe falcata</i>	lowland tropical	1	1	1	17
	<i>Muellerina</i>	mesothermal	1	0	0	17
Lythraceae	<i>Lagerstroemia archeriana</i>	dry	1	1	1	17
	<i>Pemphis acidula</i>	littoral	1	1	1	17
Malpighiaceae	<i>Rhyssopterys timorensis</i>	dry	1	1	1	17
	<i>Tristellateia australasiae</i>	lowland tropical	1	1	1	8
Malvaceae	<i>Abelmoschus moschatus</i>	dry	1	1	1	17
	<i>Abutilon</i>	dry	5	1	0	8
	<i>Abutilon indica</i>	dry	1	1	1	17
	<i>Fioria vitifolia</i>	dry	1	1	1	17
	<i>Herissantia crispa</i>	dry	1	1	1	17
	<i>Hibiscus, Macrostelia</i>	dry	7	1	0	17
	<i>Hibiscus diversifolius</i>	dry	1	1	1	17
	<i>Hibiscus meraukensis</i>	dry	1	1	1	17
	<i>Hibiscus tiliaceus</i>	littoral	1	1	1	17
	<i>Malvastrum</i>	dry	1	1	0	17
	<i>Pavonia calycina</i>	dry	1	1	1	17
	<i>Sida</i>	dry	4	1	0	17
	<i>Sida spinosa</i>	dry	1	1	1	17
	<i>Thespesia</i>	dry	1	1	0	17
	<i>Thespesia populnoides</i>	littoral	1	1	1	17
	<i>Berrya javanica</i>	dry	1	1	1	17
	<i>Grewia</i>	dry	7	1	0	4
	<i>Grewia oxyphylla</i>	dry	1	1	1	17
	<i>Schoutenia ovata</i>	dry	1	1	1	17
	<i>Trichospermum pleiostigma</i>	lowland tropical	1	1	1	17
	<i>Triumfetta</i>	dry	1	1	0	17
	<i>Abroma mollis</i>	dry	1	1	1	17
	<i>Argyrodendron</i>	mesothermal	8	1	0	16
	<i>Brachychiton</i>	dry	13	0	0	7
	<i>Commersonia</i>	mesothermal	3	1	0	17
	<i>Firmiana</i>	dry	1	1	0	17
	<i>Francisodendron</i>	mesothermal	1	0	0	17
	<i>Helicteres</i>	dry	1	1	0	17
	<i>Helicteres hirsuta</i>	dry	1	1	1	17
	<i>Helicteres isora</i>	dry	1	1	1	17
	<i>Heritiera littoralis</i>	littoral	1	1	1	17
	<i>Kleinhovea hospita</i>	lowland tropical	1	1	1	17
<i>Melhania</i>	dry	2	1	0	17	
<i>Melochia</i>	dry	1	1	0	17	
<i>Sterculia</i>	dry	1	1	0	17	
<i>Sterculia shillinglawii</i>	dry	1	1	1	17	
<i>Waltheria indica</i>	dry	1	1	1	17	
Melastomataceae	<i>Medinilla</i>	lowland tropical	1	1	0	14
	<i>Melastoma affine</i>	dry	1	1	1	17
	<i>Memecylon</i>	lowland tropical	1	1	0	17
	<i>Memecylon pauciflorum</i>	dry	1	1	1	17

Family	Clade	Rain forest type	Species	northern	intra-specific	age class
Melastomataceae	<i>Osbeckia</i>	lowland tropical	1	1	0	17
	<i>Otanthera bracteata</i>	lowland tropical	1	1	1	17
	<i>Pternanthera coerulescens</i>	dry	1	1	1	17
Meliaceae	<i>Aglaia</i>	mesothermal	7	1	0	16
	<i>Aglaia argentea</i>	lowland tropical	1	1	1	17
	<i>Aglaia eleagnoides</i>	dry	1	1	1	16
	<i>Aglaia spectabilis</i>	dry	1	1	1	17
	<i>Aglaia tomentosa</i>	mesothermal	1	1	1	16
	<i>Anthocarapa nitidula</i>	mesothermal	1	1	1	17
	<i>Chisocheton longistipitatus</i>	lowland tropical	1	1	1	17
	<i>Dysoxylum</i>	mesothermal	6	1	0	8
	<i>Dysoxylum alliaceum</i>	mesothermal	1	1	1	17
	<i>Dysoxylum arborescens</i>	lowland tropical	1	1	1	17
Meliaceae	<i>Dysoxylum gaudichaudianum</i>	lowland tropical	1	1	1	17
	<i>Dysoxylum mollissimum</i>	mesothermal	1	1	1	17
	<i>Dysoxylum oppositifolium</i>	dry	1	1	1	17
	<i>Dysoxylum parasiticum</i>	mesothermal	1	1	1	17
	<i>Dysoxylum pettigrewianum</i>	mesothermal	1	1	1	17
	<i>Dysoxylum setosum</i>	lowland tropical	1	1	1	17
	<i>Melia azerdarach</i>	mesothermal	1	1	1	16
	<i>Synoum/Owenia</i>	mesothermal	3	1	0	16
	<i>Toona ciliata</i>	mesothermal	1	1	1	16
	<i>Turraea pubescens</i>	dry	1	1	1	17
	<i>Vavaea</i>	lowland tropical	1	1	0	16
	<i>Vavaea amicornum</i>	lowland tropical	1	1	1	16
	<i>Xylocarpus granatum</i>	littoral	1	1	1	16
	<i>Xylocarpus mekongensis</i>	littoral	1	1	1	17
Menispermaceae	<i>Carronia</i>	mesothermal	2	0	0	16
	<i>Carronia pedicellata</i>	mesothermal	1	0	1	17
	<i>Cissampelos pareira</i>	dry	1	1	1	17
	<i>Echinostephia</i>	mesothermal	1	0	0	17
	Australian endemic menisperm genera	mesothermal	5	1	0	7
	<i>Hypserpa polyandra</i>	lowland tropical	1	1	1	17
	<i>Legnephora</i>	mesothermal	1	1	0	17
	<i>Pachygone ovata</i>	dry	1	1	1	17
	<i>Pycnarrhena</i>	lowland tropical	1	1	0	17
	<i>Pycnarrhena ozantha</i>	dry	1	0	1	17
	<i>Sarcopetalum</i>	mesothermal	1	0	0	17
	<i>Stephania</i>	dry	2	1	0	16
	<i>Stephania japonica</i>	mesothermal	1	1	1	17
	<i>Tinospora</i>	dry	2	0	0	16
	<i>Tiliacora</i>	dry	1	1	0	17
Monimiaceae	<i>Hedycarya</i>	microthermal	1	0	0	16
	<i>Austromatthaea, Endressia, Hemmantia</i>	mesothermal	3	1	0	17
	<i>Stegantthera</i>	mesothermal	4	1	0	17
	<i>Hedycarya</i>	mesothermal	1	0	0	17
	<i>Levieria</i>	mesothermal	1	1	0	17
	<i>Palmeria</i>	mesothermal	3	1	0	17
	<i>Wilkiea</i>	mesothermal	12	1	0	16
Moraceae	<i>Antiaris toxicaria</i>	lowland tropical	1	1	1	17
	<i>Artocarpus glaucus</i>	dry	1	1	1	17
	<i>Maclura cochinchinensis</i>	mesothermal	1	1	1	17
	<i>Streblus</i>	mesothermal	2	1	0	17
	<i>Trophis scandens</i>	mesothermal	1	1	1	17
	<i>Ficus adenosperma</i>	lowland tropical	1	1	1	17
	<i>Ficus mollior</i>	mesothermal	1	1	1	17
	<i>Ficus</i>	mesothermal	10	1	0	15
	<i>Ficus atricha</i>	dry	2	1	1	17
	<i>Ficus obliqua</i>	mesothermal	1	1	1	17
	<i>Ficus nodosa</i>	dry	1	1	1	17
	<i>Ficus variegata</i>	lowland tropical	1	1	1	17
	<i>Ficus albipila</i>	lowland tropical	1	1	1	17

Family	Clade	Rain forest type	Species	northern	intra-specific	age class
Moraceae	<i>Ficus subnervosa</i>	lowland tropical	1	1	0	17
	<i>Ficus tinctoria</i>	dry	1	1	1	17
	<i>Ficus virgata</i>	lowland tropical	1	1	1	17
	<i>Ficus pantoniana</i>	lowland tropical	1	1	1	17
	<i>Ficus</i> Sect <i>Sycidium</i>	mesothermal	5	1	0	17
	<i>Ficus copiosa</i>	mesothermal	1	1	1	17
	<i>Ficus fraseri</i>	mesothermal	1	0	1	17
	<i>Ficus melanocarpa</i>	lowland tropical	1	1	1	17
	<i>Ficus opposita</i>	dry	1	1	1	17
	<i>Ficus congesta</i>	mesothermal	1	1	1	17
	<i>Ficus hispida</i>	mesothermal	1	1	1	17
	<i>Ficus septica</i>	mesothermal	1	1	1	17
	<i>Ficus racemosa</i>	dry	1	1	1	17
	Moraceae	<i>Ficus benjamina</i>	dry	1	1	1
<i>Ficus drupacea</i>		lowland tropical	1	1	1	17
<i>Ficus microcarpa</i>		lowland tropical	1	1	1	17
<i>Ficus superba</i>		mesothermal	1	1	1	17
<i>Ficus virens</i>		mesothermal	1	1	1	17
Musaceae		<i>Musa</i>	lowland tropical	2	1	0
Myoporaceae	<i>Myoporum</i>	dry	1	1	0	14
Myristicaceae	<i>Horsfieldia</i>	lowland tropical	1	1	0	17
	<i>Myristica</i>	mesothermal	3	1	0	16
Myrsinaceae	<i>Aegiceras corniculatum</i>	littoral	1	1	1	16
	<i>Ardisia</i>	mesothermal	5	1	0	17
	<i>Embelia</i>	mesothermal	4	1	0	17
	<i>Maesa</i>	mesothermal	2	1	0	16
	<i>Rapanea</i>	mesothermal	12	1	0	10
	<i>Tapeinosperma</i>	mesothermal	1	0	0	16
Myrtaceae	<i>Backhousia, Choricarpia</i>	mesothermal	8	0	0	17
	<i>Eucalyptus*</i>	dry	6	1	0	12
	<i>Eucalyptus*</i>	microthermal	1	0	0	12
	<i>Corymbia, Stockwellia, Syncarpia</i>	dry	3	0	0	4
	<i>Allosyncarpia</i>	mesothermal	3	0	0	17
	<i>Archirhodomyrtus</i>	dry	1	0	0	17
	<i>Austromyrtus, Pildiodistigma</i>	mesothermal	24	0	0	10
	<i>Decaspermum</i>	mesothermal	1	1	0	17
	<i>Lithomyrtus</i>	littoral	1	0	0	17
	<i>Rhodamnia</i>	mesothermal	13	1	0	5
	<i>Rhodomyrtus</i>	mesothermal	7	1	0	17
	<i>Uromyrtus</i>	mesothermal	4	1	0	17
	<i>Lenwebbia</i>	lowland tropical	1	0	0	17
	<i>Eugenia reinwardtiana</i>	littoral	1	1	1	17
	Other <i>Myrtaceae</i>	mesothermal	12	1	0	10
	<i>Welchiodendron, Lophostemon</i>	dry	5	1	0	17
	<i>Melaleuca, Callistemon</i>	dry	7	1	0	16
	<i>Osbornia</i>	littoral	1	1	0	16
	<i>Syzygium</i>	mesothermal	34	1	0	4
	<i>Syzygium aqueum</i>	dry	1	1	1	17
	<i>Syzygium malaccense</i>	dry	1	1	1	17
	<i>Syzygium nervosum</i>	lowland tropical	1	1	1	17
	<i>Syzygieae</i> clade 2	mesothermal	2	0	0	17
	<i>Syzygium</i> clade 10	mesothermal	3	1	0	17
	<i>Syzygium</i> clade 3	dry	3	1	0	17
	<i>Acmenosperma claviflorum</i>	mesothermal	1	1	1	17
	<i>Acmenosperma, Syzygium</i>	mesothermal	4	0	0	17
	<i>apodophyllum</i> group					
	<i>Syzygium sub Sequestratum</i>	mesothermal	3	1	0	17
	<i>Acmena/Waterhousia</i> group	mesothermal	14	1	0	10
	<i>Thryptomene</i>	dry	1	0	0	17
<i>Thaleropia</i>	mesothermal	1	0	0	17	
<i>Xanthostemon</i>	mesothermal	12	1	0	17	
Nepenthaceae	<i>Nepenthes mirabilis</i>	dry	1	1	1	17
Nothofagaceae	<i>Nothofagus</i> subg <i>Fuscospora</i>	microthermal	1	0	0	3

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Nothofagaceae	<i>Nothofagus</i> subg <i>Lophozonia</i>	microthermal	2	0	0	4
Nyctaginaceae	<i>Pisonia aculeata</i>	dry	1	1	1	17
	<i>Pisonia grandis</i>	littoral	1	1	1	17
	<i>Pisonia umbellifera</i>	dry	1	1	1	17
Ochnaceae	<i>Brackenridgea</i>	mesothermal	1	1	0	17
Olacaceae	<i>Anacolosa</i>	lowland tropical	1	1	0	1
	<i>Olax</i>	dry	1	1	0	17
	<i>Olax imbricata</i>	lowland tropical	1	1	1	17
	<i>Ximenia americana</i>	dry	1	1	1	17
Oleaceae	<i>Chionanthus</i>	mesothermal	2	1	0	17
	<i>Chionanthus ramiflora</i>	dry	1	1	1	17
	<i>Jasminum</i>	mesothermal	7	1	0	17
	<i>Jasminum simplifolium</i>	dry	1	1	1	17
Oleaceae	<i>Ligustrum</i>	dry	1	1	0	17
	<i>Linociera</i>	mesothermal	1	1	0	17
	<i>Notelea</i> *	mesothermal	4	1	0	14
	<i>Notelea</i> *	microthermal	1	0	0	16
	<i>Olea paniculata</i>	mesothermal	1	1	1	16
Onagraceae	<i>Ludwigia hyssopifolia</i>	lowland tropical	1	1	1	17
	<i>Ludwigia octovalvis</i>	dry	1	1	1	17
Opiliaceae	<i>Cansjera leptostachya</i>	dry	1	1	1	17
	<i>Opilia amentacea</i>	dry	1	1	1	17
Orchidaceae	<i>Calanthe triplicata</i>	mesothermal	1	1	1	17
	<i>Corymborkis veratrifolia</i>	lowland tropical	1	1	1	17
	<i>Dipodium pictum</i>	lowland tropical	1	1	1	17
	<i>Phaius tancarvilleae</i>	lowland tropical	1	1	1	17
	<i>Pseudovanilla</i>	mesothermal	1	1	0	17
Osmundaceae	<i>Todea barbara</i>	mesothermal	1	0	1	1
Pandanaceae	<i>Freycinetia</i>	mesothermal	4	1	0	10
	<i>Freycinetia scandens</i>	dry	1	1	1	17
	<i>Pandanus</i>	lowland tropical	2	1	0	17
Paracryphiaceae	<i>Quintinia</i> *	microthermal	2	0	0	7
	<i>Quintinia</i> *	mesothermal	2	0	0	7
Passifloraceae	<i>Adenia heterophylla</i>	dry	1	0	1	17
	<i>Passiflora</i>	mesothermal	2	1	0	17
	<i>Passiflora aurantia</i>	dry	1	1	1	17
Pedaliaceae	<i>Josephinia imperatricis</i>	littoral	1	1	1	17
Pennantiaceae	<i>Pennantia</i>	mesothermal	1	0	0	17
Pentaphragmaceae	<i>Ternstroemia</i>	mesothermal	1	1	0	17
Petermanniaceae	<i>Petermanniaceae</i>	mesothermal	1	1	0	17
Philydraceae	<i>Helmholtzia</i>	mesothermal	1	1	0	17
Phyllanthaceae	<i>Actephila</i>	mesothermal	8	1	0	14
	<i>Antidesma</i>	mesothermal	1	1	0	17
	<i>Antidesma bunius</i>	dry	3	1	1	17
	<i>Antidesma ghesambilla</i>	dry	1	1	1	17
	<i>Bischofia javanica</i>	lowland tropical	1	1	1	16
	<i>Breynia</i>	mesothermal	4	1	0	16
	<i>Breynia cernua</i>	dry	1	1	1	17
	<i>Bridelia</i>	dry	2	1	0	17
	<i>Bridelia insulana</i>	lowland tropical	1	1	1	17
	<i>Bridelia tomentosa</i>	dry	1	1	1	17
	<i>Cleistanthus</i>	mesothermal	7	1	0	17
	<i>Cleistanthus myrianthus</i>	lowland tropical	1	1	1	17
	<i>Flueggea leucopyrus</i>	dry	1	1	1	17
	<i>Flueggea</i>	dry	1	1	0	17
	<i>Glochidion</i>	mesothermal	10	1	0	14
	<i>Glochidion phillipicum</i>	mesothermal	1	1	1	16
	<i>Glochidion sumatranum</i>	mesothermal	1	1	1	16
	<i>Glochidion xerocarpum</i>	dry	1	1	1	17
	<i>Margaritaria</i>	dry	1	1	0	17
	<i>Margaritaria indica</i>	dry	1	1	1	17
	<i>Phyllanthus</i>	mesothermal	10	1	0	17
	<i>Sauropus</i>	lowland tropical	1	1	0	17

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Phyllanthaceae	<i>Sauropus macranthus</i>	mesothermal	1	1	1	17
Phytolaccaceae	<i>Monococcus echinophorus</i>	mesothermal	1	0	1	17
Picrodendraceae	<i>Austrobuxus</i>	mesothermal	2	1	0	17
	<i>Choriceras, Dissilaria, Neuroepera, Petalostigma, Sankowskya, Whyanbeelya</i>	mesothermal	10	0	0	4
Piperaceae	<i>Piper</i>	mesothermal	4	1	0	17
	<i>Piper caninum</i>	mesothermal	1	1	1	17
	<i>Piper interuptum</i>	lowland tropical	1	1	1	17
	<i>Piper macropiper</i>	mesothermal	1	1	1	17
	<i>Piper umbellatum</i>	mesothermal	1	1	1	17
Pittosporaceae	<i>Auranticarpa, Bursaria, Hymenosporum</i>	mesothermal	8	0	0	17
Pittosporaceae	<i>Citriobatus spinescens</i>	dry	1	1	1	17
	<i>Pittosporum*</i>	microthermal	2	0	0	17
	<i>Pittosporum*</i>	mesothermal	9	0	0	17
	<i>Pittosporum ferrugineum</i>	dry	1	1	1	17
	<i>Pittosporum moluccanum</i>	dry	1	1	1	17
Plumbaginaceae	<i>Aegialitis</i>	littoral	1	1	0	16
	<i>Plumbago zeylanica</i>	dry	1	1	1	17
Poaceae	<i>Ancistrachne uncinulata</i>	dry	1	1	1	17
	<i>Bambusa</i>	dry	2	1	0	9
	<i>Leptaspis banksii</i>	dry	1	1	1	17
Podocarpaceae	<i>Phyllocladus</i>	microthermal	1	0	0	1
	<i>Podocarpus</i>	microthermal	1	0	0	1
	<i>Podocarpus elatus</i>	mesothermal	1	1	0	17
	<i>Podocarpus</i> subg. <i>Foliolatus</i>	mesothermal	2	1	0	17
	<i>Podocarpus</i> subg. <i>Podocarpus</i>	mesothermal	1	0	0	17
	<i>Prumnopitys</i>	mesothermal	1	0	0	1
	<i>Sundacarpus</i>	mesothermal	1	1	0	17
Polygonaceae	<i>Muehlenbeckia</i>	dry	1	0	0	8
Proteaceae	<i>Agastachys</i>	microthermal	1	0	0	15
	<i>Cenarrhenes</i>	microthermal	1	0	0	7
	Banksieae, <i>Sphalmium</i>	mesothermal	7	0	0	4
	<i>Alloxylon</i>	mesothermal	3	0	0	9
	<i>Telopea</i>	microthermal	3	0	0	9
	<i>Stenocarpus</i>	mesothermal	8	0	0	9
	<i>Lomatia*</i>	mesothermal	2	0	0	9
	<i>Lomatia*</i>	microthermal	3	0	0	9
	Grevilleae	mesothermal	10	0	0	8
	<i>Bleasdalea, Athertonia, Cardwellia</i>	mesothermal	3	0	0	5
	<i>Catalepidea</i>	mesothermal	1	0	0	17
	<i>Hicksbeachia</i>	mesothermal	2	0	0	4
	<i>Macadamia</i>	mesothermal	6	0	0	17
	<i>Orites megacarpa</i>	mesothermal	1	0	0	17
	<i>Darlingiam, Floydia</i>	mesothermal	3	0	0	5
	<i>Helicia, Hollandaea, Neorites, Megahertzia</i>	mesothermal	13	1	0	1
	<i>Orites*</i>	mesothermal	2	0	0	9
	<i>Orites*</i>	microthermal	1	0	0	9
	<i>Triunia</i>	mesothermal	3	0	0	17
	Persoonieae*	mesothermal	2	0	0	8
	Persoonieae*	microthermal	1	0	0	8
	<i>Eidothea</i>	mesothermal	2	0	0	10
Putranjivaceae	<i>Drypetes</i>	mesothermal	4	1	0	16
	<i>Drypetes deplanchei</i>	dry	1	0	1	17
Ranunculaceae	<i>Clematis pickeringii</i>	mesothermal	1	1	1	14
Rhamnaceae	<i>Alphitonia</i>	mesothermal	5	1	0	14
	<i>Alphitonia incana</i>	dry	1	1	1	17
	<i>Colubrina asiatica</i>	littoral	1	1	1	17
	<i>Emmenosperma</i>	mesothermal	2	0	0	10
	<i>Gouania</i>	lowland tropical	2	1	0	17
	<i>Pomaderris</i>	dry	2	0	0	15

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Rhamnaceae	<i>Rhamnella vitiense</i>	mesothermal	2	1	1	17
	<i>Rhamnus napalensis</i>	mesothermal	1	1	1	17
	<i>Sageretia</i>	mesothermal	1	1	0	17
	<i>Schistocarpha</i>	mesothermal	1	1	0	17
	<i>Ventilago</i>	mesothermal	3	1	0	17
	<i>Ziziphus</i>	dry	1	1	0	17
	<i>Ziziphus oenopolia</i>	dry	1	1	1	17
	<i>Ziziphus timorensis</i>	dry	1	1	1	17
Rhizophoraceae	<i>Brugiera cylindrica</i>	littoral	1	1	1	17
	<i>Brugiera exaristata</i>	littoral	1	1	1	17
	<i>Brugiera gymnorhiza</i>	littoral	1	1	1	10
	<i>Brugiera parviflora</i>	littoral	1	1	1	17
	<i>Brugiera sexangula</i>	littoral	1	1	1	17
Rhizophoraceae	<i>Carallia</i>	littoral	1	1	0	17
	<i>Carallia brachiata</i>	lowland tropical	1	1	1	17
	<i>Ceriops decandra</i>	littoral	1	1	1	17
	<i>Ceriops tagal</i>	littoral	1	1	1	17
	<i>Rhizophora apicula</i>	littoral	1	1	1	17
	<i>Rhizophora lamarckii</i>	littoral	1	1	1	17
	<i>Rhizophora mucronata</i>	littoral	1	1	1	16
	<i>Rhizophora stylosa</i>	littoral	1	1	1	17
Ripogonaceae	<i>Ripogonum</i>	mesothermal	3	0	0	5
Rosaceae	<i>Prunus brachystachya</i>	lowland tropical	1	1	1	17
	<i>Prunus</i>	mesothermal	1	1	0	16
	<i>Rubus</i> clade B	mesothermal	2	1	0	15
	<i>Rubus</i> clade D	mesothermal	1	1	0	17
	<i>Rubus alceifolius</i>	mesothermal	1	1	1	17
	<i>Rubus moluccanus</i>	mesothermal	1	1	1	17
	<i>Rubus probus</i>	mesothermal	1	1	1	17
	<i>Cutisia/Abrophyllum</i>	mesothermal	2	0	0	17
Rousseaceae	<i>Coprosma</i>	microthermal	2	0	0	8
Rubiaceae	<i>Anthocephalus chinensis</i>	lowland tropical	1	1	1	17
	<i>Guettarda speciosa</i>	littoral	1	1	1	10
	<i>Nauclea orientalis</i>	lowland tropical	1	1	1	17
	<i>Neonauclea glabra</i>	lowland tropical	1	1	1	17
	<i>Spermacoce latifolia</i>	dry	1	1	1	17
	<i>Uncaria callophylla</i>	dry	1	1	1	17
	<i>Uncaria lanosa</i>	dry	1	1	1	17
	<i>Antirhea</i> /undescribed taxa	mesothermal	8	1	0	17
	<i>Bobea</i>	mesothermal	1	1	0	17
	<i>Timonius</i>	mesothermal	2	1	0	17
	<i>Timonius timon</i>	dry	1	1	1	17
	<i>Hodgkinsonia</i>	dry	2	1	0	16
	<i>Aidia</i>	lowland tropical	1	1	0	17
	<i>Aidia racemosa</i>	lowland tropical	1	1	1	17
	<i>Atractocarpus</i>	mesothermal	6	1	0	17
	<i>Gardenia</i>	mesothermal	5	1	0	12
	<i>Kailarsenia</i>	dry	1	1	0	17
	<i>Randia</i>	mesothermal	8	1	0	11
	<i>Wendlandia</i>	mesothermal	4	1	0	17
	<i>Ixora</i>	mesothermal	5	1	0	17
	<i>Ixora timorensis</i>	dry	1	1	1	17
	<i>Scyphiphora</i>	littoral	1	1	0	17
	<i>Pavetta</i>	dry	4	1	0	17
	<i>Tarenna</i>	mesothermal	4	1	0	17
	<i>Cyclophyllum</i>	mesothermal	1	0	0	17
	<i>Canthium</i>	mesothermal	12	1	0	17
	<i>Everistia</i>	dry	1	1	0	17
	<i>Lasianthus</i>	lowland tropical	1	1	0	17
	<i>Lasianthus cyanocarpus</i>	lowland tropical	1	1	1	17
	<i>Caelospermum</i>	mesothermal	2	1	0	17
	<i>Gynochthodes</i>	lowland tropical	1	1	0	17
	<i>Morinda</i>	mesothermal	7	1	0	16

Family	Clade	Rain forest type	Species	northern	intra-specific	age class	
Rubiaceae	<i>Morinda citrifolia</i>	dry	1	1	1	17	
	<i>Morinda umbellata</i>	mesothermal	1	1	1	17	
	<i>Ophiorrhiza</i>	lowland tropical	1	1	0	16	
	<i>Psychotria</i>	mesothermal	13	1	0	16	
Rutaceae	<i>Acradenia, Boronia, Correa, Bosistoa, Bouchardatia, Brombya, Dinosperma, Eriostemon, Pentaceras, Phebalium, Pitaviaster, Leionema*</i>	mesothermal	23	0	0	15	
	<i>Acradenia, Nematolepis, Correa*</i>	microthermal	3	0	0	15	
	<i>Acronychia</i>	mesothermal	19	1	0	10	
	<i>Acronychia laevis</i>	dry	1	0	1	17	
	<i>Euodia</i>	lowland tropical	2	1	0	10	
	<i>Flindersia</i>	mesothermal	12	1	0	10	
	<i>Geijera salicifolia</i>	mesothermal	1	0	1	17	
	<i>Halfordia</i>	mesothermal	1	0	0	16	
	<i>Halfordia kendack</i>	lowland tropical	1	0	1	17	
	<i>Lunasia amara</i>	dry	1	1	1	17	
	<i>Medicosma</i>	mesothermal	6	0	0	17	
	<i>Melicope</i>	mesothermal	9	1	0	10	
	<i>Melicope bonwickii</i>	mesothermal	1	1	1	17	
	<i>Sarcomelicope</i>	mesothermal	1	0	0	17	
	<i>Zanthoxylum</i>	mesothermal	2	1	0	16	
	<i>Zanthoxylum nitidum</i>	lowland tropical	1	1	1	17	
	<i>Zanthoxylum ovalifolium</i>	dry	1	1	1	17	
	<i>Zanthoxylum rhetsum</i>	dry	1	1	1	17	
	<i>Zieria</i>	dry	4	0	0	17	
	<i>Citrus</i>	lowland tropical	2	1	0	17	
	<i>Clausena</i>	mesothermal	1	1	0	17	
	<i>Glycosmis trifoliata</i>	dry	1	1	1	17	
	<i>Luvunga monophylla</i>	dry	1	1	1	17	
	<i>Micromelum minutum</i>	dry	1	1	1	17	
	<i>Murraya paniculata</i>	dry	1	1	1	17	
	Salicaceae	<i>Casearia</i>	mesothermal	5	1	0	16
		<i>Casearia grewifolia</i>	lowland tropical	1	1	1	17
		<i>Flacourtia</i>	dry	2	1	0	17
		<i>Homalium</i>	mesothermal	3	1	0	17
		<i>Scolopia</i>	mesothermal	1	1	0	17
		<i>Xylosma</i>	mesothermal	3	1	0	17
		Santalaceae	<i>Anthobolus</i>	dry	1	1	0
	<i>Dendrotrophe</i>		mesothermal	1	1	0	17
<i>Exocarpos latifolius</i>	dry		1	1	0	10	
<i>Santalum</i>	dry		1	1	0	5	
Sapindaceae	<i>Allophylus cobbe</i>	dry	1	1	1	17	
	<i>Ganophyllum falcatum</i>	dry	1	1	1	16	
	<i>Cossinia</i>	dry	1	0	0	17	
	<i>Dodonaea</i>	dry	4	1	0	8	
	<i>Dodonaea viscosa</i>	dry	1	1	1	17	
	<i>Harpullia</i>	mesothermal	5	1	0	17	
	<i>Harpullia arborea</i>	lowland tropical	1	1	1	17	
	<i>Harpullia ramiflora</i>	dry	1	1	1	17	
	<i>Glenniea</i>	dry	1	1	0	17	
	<i>Lepisanthes rubiginosum</i>	dry	1	1	1	17	
	<i>Tristiropsis</i>	dry	1	1	0	17	
	<i>Castanospora</i>	mesothermal	1	0	0	17	
	<i>Atalaya</i>	dry	5	1	0	17	
	<i>Atalaya salicifolia</i>	dry	1	1	1	17	
	<i>Arytera</i>	mesothermal	5	1	0	16	
	<i>Cnesmocarpon</i>	mesothermal	1	1	0	17	
	<i>Cupaniopsis</i>	mesothermal	11	0	0	2	
	<i>Dictyoneura</i>	dry	1	1	0	17	
	<i>Diploglottis</i>	mesothermal	9	1	0	17	
	<i>Elattostachys</i>	dry	5	1	0	17	
<i>Guioa</i>	mesothermal	5	1	0	17		

Family	Clade	Rain forest type	Species	northern	intra-specific	age class	
Sapindaceae	<i>Jagera</i>	mesothermal	2	1	0	17	
	<i>Lepiderema</i>	mesothermal	6	1	0	17	
	<i>Lepidopetalum</i>	lowland tropical	1	1	0	17	
	<i>Mischarytera</i>	mesothermal	2	0	0	17	
	<i>Mischocarpus</i>	mesothermal	8	1	0	17	
	<i>Rhysotoechia</i>	mesothermal	5	1	0	17	
	<i>Sarcopteryx</i>	mesothermal	4	1	0	17	
	<i>Sarcotoechia others</i>	mesothermal	6	0	0	17	
	<i>Sarcotoechia villosa</i>	mesothermal	1	1	0	17	
	<i>Synima, Toechima, Sapindaceae</i> sp. (Noah Creek BG 6026)	mesothermal	9	1	0	17	
	<i>Alectryon</i>	dry	9	1	0	15	
	<i>Dimocarpus</i>	dry	1	1	0	17	
	Sapotaceae	<i>Chrysophyllum</i>	mesothermal	1	0	0	17
<i>Chrysophyllum roxburghii</i>		lowland tropical	1	1	1	17	
<i>Niemeyera</i>		mesothermal	4	0	0	17	
<i>Planchonella</i>		mesothermal	2	1	0	17	
<i>Pouteria</i>		mesothermal	17	0	0	4	
<i>Pouteria chartacea</i>		lowland tropical	1	1	1	17	
<i>Pouteria obovata</i>		littoral	1	1	1	17	
<i>Pouteria obovoidea</i>		mesothermal	1	1	1	17	
<i>Sersalisia</i>		dry	1	0	0	17	
<i>Van-royena</i>		mesothermal	1	0	0	17	
<i>Manilkara kauki</i>		mesothermal	1	1	1	17	
<i>Mimusops elengi</i>		dry	1	1	1	17	
<i>Palaquium</i>		lowland tropical	1	1	0	17	
Scrophulariaceae		<i>Artanema</i>	mesothermal	1	1	0	17
Simaroubaceae		<i>Ailanthus integrifolia</i>	dry	1	1	1	17
		<i>Ailanthus triphysis</i>	dry	1	1	1	17
		<i>Brucea javanica</i>	dry	1	1	1	17
	<i>Harrisonia brownii</i>	dry	1	1	1	17	
	<i>Quassia</i>	mesothermal	5	1	0	17	
Smilacaceae	<i>Smilax</i>	mesothermal	7	1	0	17	
	<i>Smilax calophylla</i>	mesothermal	1	1	1	17	
Solanaceae	<i>Duboisia myoporoides</i>	mesothermal	2	0	1	17	
	<i>Nicotiana forsteri</i>	dry	1	1	1	17	
	<i>Solanum</i>	mesothermal	13	1	0	16	
	<i>Solanum tetrandrum</i>	littoral	1	0	1	17	
Sonneratiaceae	<i>Sonneratia</i>	littoral	1	1	0	16	
	<i>Sonneratia alba</i>	littoral	1	1	1	17	
Sphenostemonaceae	<i>Sphenostemon</i>	mesothermal	1	0	0	8	
Stangeriaceae	<i>Bowenia</i>	lowland tropical	2	0	0	5	
Stemonaceae	<i>Stemona</i>	dry	1	1	0	17	
	<i>Stemona lucida</i>	lowland tropical	1	1	1	17	
Stemonuraceae	<i>Gomphandra</i>	lowland tropical	1	1	0	17	
	<i>Irvingbaileya</i>	mesothermal	1	1	0	10	
Surianaceae	<i>Guilfoylia</i>	mesothermal	1	0	0	17	
	<i>Suriana maritima</i>	littoral	1	1	1	17	
Symplocaceae	<i>Symplocos</i>	mesothermal	13	1	0	11	
	<i>Symplocos cochinchinensis</i>	mesothermal	1	1	1	17	
Taccaceae	<i>Tacca leontopetaloides</i>	dry	1	1	1	17	
Thymelaeaceae	<i>Lethedon</i>	mesothermal	1	0	0	17	
	<i>Phaleria</i>	mesothermal	3	1	0	17	
	<i>Pimelea</i>	dry	4	0	0	15	
	<i>Wikstroemia indica</i>	dry	1	1	1	17	
	<i>Phaleria octandra</i>	mesothermal	1	1	1	17	
Trimeniaceae	<i>Trimenia</i>	mesothermal	1	1	0	1	
Ulmaceae	<i>Celtis hildebrandii</i>	lowland tropical	1	1	1	17	
	<i>Celtis paniculata</i>	mesothermal	1	1	1	17	
	<i>Celtis philippensis</i>	dry	1	1	1	17	
	<i>Celtis timorensis</i>	lowland tropical	1	1	1	10	
Urticaceae	<i>Dendrocnide</i>	mesothermal	4	1	0	7	
	<i>Dendrocnide moroides</i>	mesothermal	1	1	1	17	

Family	Clade	Rain forest type	Species	northern	intra-specific	age class
Urticaceae	<i>Laportea interrupta</i>	dry	1	1	1	17
	<i>Nothocnide repanda</i>	lowland tropical	1	1	1	17
	<i>Pouzolzia zeylanica</i>	lowland tropical	1	1	1	17
	<i>Urtica</i>	mesothermal	1	1	0	17
Violaceae	<i>Rinorea bengalensis</i>	lowland tropical	1	1	1	17
Viscaceae	<i>Korthalsella</i>	mesothermal	1	1	0	17
	<i>Korthalsella japonica</i>	mesothermal	1	1	1	17
	<i>Notothixos</i>	mesothermal	1	1	0	17
	<i>Notothixos leiophyllus</i>	mesothermal	1	1	1	17
Vitaceae	<i>Ampelocissus</i>	dry	2	1	0	17
	<i>Cayratia</i>	mesothermal	5	1	0	17
	<i>Cayratia japonica</i>	mesothermal	1	1	1	17
	<i>Cayratia maritima</i>	dry	1	1	1	17
Vitaceae (cont.)	<i>Cayratia trifolia</i>	dry	1	1	1	17
	<i>Cissus</i>	mesothermal	10	0	0	8
	<i>Cissus adnata</i>	dry	1	1	1	17
	<i>Cissus hastata</i>	mesothermal	1	1	1	17
	<i>Cissus repens</i>	mesothermal	1	1	1	17
	<i>Tetrastigma</i>	mesothermal	4	1	0	17
	<i>Tetrastigma psicarpum</i>	dry	1	1	1	17
	<i>Bubbia</i>	mesothermal	3	1	0	17
Winteraceae	<i>Tasmannia*</i>	mesothermal	3	1	0	1
	<i>Tasmannia*</i>	microthermal	3	0	0	5
	<i>Xanthophyllum</i>	mesothermal	2	1	0	16
Xanthophyllaceae	<i>Xanthophyllum</i>	mesothermal	2	1	0	2
Xanthorrhoeaceae	<i>Dianella</i>	mesothermal	2	1	0	2
	<i>Eustrephus latifolius</i>	mesothermal	1	1	1	17
	<i>Geitonoplesium cymosum</i>	mesothermal	1	1	1	17
Zamiaceae	<i>Lepidozamia</i>	lowland tropical	1	0	0	9
Zingiberaceae	<i>Alpinia</i>	mesothermal	4	1	0	17
	<i>Amomum</i>	lowland tropical	2	1	0	17
	<i>Etlingera</i>	lowland tropical	1	1	0	17
	<i>Hornstedtia scottiana</i>	lowland tropical	1	1	1	17
	<i>Pleuranthodium</i>	mesothermal	1	1	0	17

## FOOTNOTES

<sup>1</sup>Species information was obtained from floras and other sources (George, 1982a, b, 1984a, b, 1985, 1986, 1987, 1989, 1990, 1992; Stanley & Ross, 1983, 1986, 1989; Floyd, 1990; Harden, 1990, 1991, 1992, 1993; McCarthy, 1995, 1998; Walsh & Entwistle, 1996, 1999; Wilson, 1996, 1999, 2000, 2007, 2009; McCarthy & Orchard, 1998; Hyland *et al.*, 2002; Buchanan, 2009; Dowe, 2010).

Phylogenetic information used to determine disjunctions was derived from published molecular-based phylogenies (Manos, 1997; Crayn *et al.*, 1998, 2006; Wagstaff *et al.*, 1998; Lawrence & Campbell, 1999; Li *et al.*, 1999; Steane *et al.*, 1999, 2002, 2003; Crayn & Quinn, 2000; Mitchell & Wagstaff, 2000; Renner *et al.*, 2000, 2001, 2010; Wagstaff & Dawson, 2000; Wallander & Albert, 2000; Bradford & Barnes, 2001; Edwards & Gadek, 2001; Miller & Bayer, 2001; Stevens, 2001 onwards; Pfeil *et al.*, 2002; Quinn *et al.*, 2003, 2005; Sosa *et al.*, 2003; Aguilar-Ortigoza & Sosa, 2004; Doust & Drinnan, 2004; Harley *et al.*, 2004; Li *et al.*, 2004a, b, 2008; Plunkett *et al.*, 2004; Richardson *et al.*, 2004; Wojciechowski *et al.*, 2004; Wurdack *et al.*, 2004, 2005; Chaw *et al.*, 2005; Wilson *et al.*, 2005; Robbrecht & Manen, 2006; Smith *et al.*, 2006; Soejima & Wen, 2006; Wilkie *et al.*, 2006; Chandler *et al.*, 2007; Livshultz *et al.*, 2007; Rapini *et al.*, 2007; Brown *et al.*, 2008; Bruneau *et al.*, 2008; Cabrera *et al.*, 2008; Der & Nickrent, 2008; Groppo *et al.*, 2008; Hadijah *et al.*, 2008; Malécot & Nickrent, 2008; Muellner *et al.*, 2008a, b; Pfeil & Crisp, 2008; Ronsted *et al.*, 2008; Vidal-Russell & Nickrent, 2008; Baker *et al.*, 2009; Bayer *et al.*, 2009; Bramley *et al.*, 2009; Bush *et al.*, 2009; Hoot *et al.*, 2009; Marquinez *et al.*, 2009; Möller *et al.*, 2009; Sauquet *et al.*, 2009; Su & Saunders, 2009; Bartish *et al.*, 2010; Edwards *et al.*, 2010; Maurin *et al.*, 2010; Michalak *et al.*, 2010; Tank & Donoghue, 2010; Biffin *et al.*, in press).

<sup>2</sup>Fossil records came from many sources (Kershaw, 1975, 1976, 1983; Basinger & Christophel, 1985; Blackburn, 1985; Grindrod, 1985, 1988; Hill, 1989; Crowley *et al.*, 1990; Carpenter, 1991a, b; Rozefelds, 1991, 1992; Pole, 1992, 1998; Hill & Merrifield, 1993; Macphail *et al.*, 1993; Blackburn & Sluiter, 1994; Carpenter *et al.*, 1994, 2004, 2006; Christophel, 1994; Dettmann, 1994; Macphail *et al.*, 1994; Carpenter & Pole, 1995; Martin, 1995; Scriven & Hill, 1995; Jordan & Hill, 1996; Jordan, 1997; Pickett *et al.*, 1997; Jordan *et al.*, 1998; Hill & Brodribb, 1999; Macphail, 1999, 2007; Barnes & Jordan, 2000; Barnes *et al.*, 2001; Vadala & Greenwood, 2001; Rozefelds & Christophel, 2002; McKenzie & Kershaw, 2004; Dettmann & Clifford, 2005; Greenwood & Christophel, 2005; Haberle, 2005; Cantrill & Raine, 2006; Kershaw *et al.*, 2007; Sniderman, 2007; Conran *et al.*, 2009).

**Appendix S2** Age classes for fossils as used in Appendix S1, based on Stover & Partridge (1973) and Macphail (2007). The correlation with the international time-scale (Gradstein *et al.*, 2008), and current estimates of the upper boundaries of these units (Partridge, 2006) are also given.

Age class	Palynostratigraphic unit	International time scale.	Age (Ma)
17	-	Absent from the fossil record	
16	-	middle–late Pleistocene	0.01
15	<i>Tubulifloridites pleistocenicus</i>	early Pleistocene	0.78
14	<i>Monotocidites galeatus</i> = <i>Myrtacidites lipsis</i> + <i>Foraminisporis bifurcatus</i>	latest Miocene–early Pliocene	2.58
13	Upper <i>Triporopollenites bellis</i>	late Miocene	7.25
12	Lower <i>Triporopollenites bellis</i>	middle Miocene	11.6
11	Upper <i>Proteacidites tuberculatus</i>	early Miocene	16.0
10	Middle <i>Proteacidites tuberculatus</i>	late Oligocene/early Miocene	19.0
9	Upper <i>Nothofagidites asperus</i> /Lower <i>Proteacidites tuberculatus</i>	early Oligocene	28.4
8	Middle <i>Nothofagidites asperus</i>	late Eocene	33.9
7	Lower <i>Nothofagidites asperus</i>	middle Eocene	38.4
6	<i>Proteacidites asperopollis</i>	late early–middle Eocene	45.0
5	<i>Malvacipollis diversus</i>	early Eocene	50.5
4	<i>Lygistepollenites balmei</i>	Paleocene	55.8
3	<i>Forcipites longus</i>	late Campanian–Maastrichtian	65.5
2	<i>Tricolporites lillei</i>	middle Campanian	75.5
1	<i>Nothofagidites senectus</i> (or older)	early Campanian	80.6

**Appendix S3** Palynofloras interpreted as mesothermal rain forest, from the Australian late Quaternary (Kershaw, 1975; Kershaw, 1976, 1983; Haberle, 2005; Kershaw *et al.*, 2007); Pliocene (Kershaw & Sluiter, 1982); and late Oligocene–early Miocene (Wood, 1986; Blackburn & Sluiter, 1994; Macphail *et al.* 1994; Macphail 1999, 2007). 1 = present, 0 = absent.

Family	Pollen type	late Quaternary	Pliocene	Oligo-Miocene
Actinidiaceae	<i>Saurauia</i>	1	0	0
Amaranthaceae	<i>Deeringia amaranthoides</i>	1	0	0
Anacardiaceae	(family)	1	0	1
	<i>Pleiogynium</i>	1	0	0
Apocynaceae	<i>Alyxia</i> type	(family) 1	(family) 1	1
Aquifoliaceae	<i>Ilex</i>	1	1	1
Araceae	(family)	0	0	1
Araliaceae	(family)	1	1	1
	<i>Schefflera/Mackinlaya</i> types	1	0	1
Araucariaceae	<i>Agathis</i>	1	0	1
	<i>Araucaria</i>	1	1	1
	<i>Wollemia</i>	0	0	1
Arecaceae	<i>Archontophoenix</i>	1	0	0
	<i>Calamus</i>	1	1	1
	<i>Oraniopsis</i>	1	0	0
Argophyllaceae	<i>Argophyllum</i>	1	0	0
Atherospermataceae	(family)	1	0	0
	<i>Daphnandra</i>	1	0	0
	<i>Doryphora</i>	1	0	0
Balanopaceae	<i>Balanops</i>	1	0	0
Balanophoraceae	<i>Balanophora</i>	0	1	0
Cannabaceae	<i>Aphananthe</i>	1	0	0
	<i>Trema</i>	1	0	0
Casuarinaceae	(family)	1	1	1
Celastraceae	<i>Elaeodendron</i>	1	1	0
Cornaceae	<i>Alangium</i>	1	0	1
Cunoniaceae	(dicolpate)	1	1	1
	(tricolpate)	1	1	1
	(syncolporate)	0	1	0
Cupressaceae	(family)	(?rain forest) 1	0	1
Didymelaceae	(family)	0	0	1
Dilleniaceae	<i>Dillenia</i>	1	0	0
	<i>Tetracera</i>	1	0	0
Ebenaceae	<i>Diospyros</i>	1	0	1
Elaeocarpaceae	<i>Elaeocarpus</i>	1	1	1
	<i>Sloanea</i>	1	0	0
Euphorbiaceae	<i>Acalypha</i>	1	1	0
	<i>Alchornea</i>	0	0	1
	<i>Aleurites</i>	1	0	0
	<i>Croton</i> type	1	0	1
	<i>Euphorbia</i>	1	0	0
	<i>Homalanthus</i>	1	0	0
	<i>Macaranga</i>	1	1	1
	<i>Mallotus</i>	1	0	0
	<i>Mallotus resinus</i>	1	0	0
Fabaceae	<i>Archidendron</i>	1	0	1
	<i>Lonchocarpus</i>	1	0	0
Flagellariaceae	<i>Flagellaria</i>	1	0	0
Gyrostemonaceae	(family)	1	0	1
Hammamelidaceae	<i>Neostrearia</i>	1	0	0
Icacinaceae	<i>Apodytes</i>	1	0	0
Leeaceae	<i>Leea</i>	1	0	0
Liliaceae	(family)	1	1	1
Loganiaceae	<i>Fagraea berterona</i>	1	0	(genus) 1
	<i>Fagraea cambadgei</i>	1	0	0
Loranthaceae	(family)	1	1	1
Malpighiaceae	(family)	0	0	1
Malvaceae	<i>Argyrodendron peralatum</i>	1	0	0

Family	Pollen type	Late Quaternary	Pliocene	Oligo-Miocene	
Malvaceae	<i>Argyrodendron trifoliatum</i>	1	0	0	
	<i>Brachychiton</i> cf.	0	0	1	
	<i>Ungeria</i>	0	0	1	
Melastomataceae	(family)	1	1	0	
Meliaceae	<i>Aglaia</i>	1	0	0	
Meliaceae	<i>Aglaia eleagnoides</i>	1	0	0	
	<i>Aglaia tomentosa</i>	1	0	0	
	<i>Amoora</i> (now <i>Aglaia</i> sp)	1	0	0	
	<i>Dysoxylum</i>	0	0	1	
	<i>Melia</i>	1	0	0	
	<i>Synoum</i>	1	0	0	
	<i>Toona</i>	1	0	0	
	<i>Vavaea</i>	1	0	0	
	Menispermaceae	(family)	1	0	0
		<i>Carronia</i>	1	0	0
<i>Hypserpa</i>		1	0	0	
<i>Limacia</i> ( <i>Tinospora</i> )		1	0	0	
<i>Stephania</i>		1	0	0	
Monimiaceae	(family)	1	0	0	
Moraceae	<i>Ficus</i>	1	0	0	
Myristicaceae	<i>Myristica</i>	1	0	0	
Myrsinaceae	<i>Maesa</i>	1	0	0	
	<i>Rapanea</i>	1	1	1	
	<i>Tapeinosperma</i> ('Myrsine' type)	1	0	0	
	(verrucate, <i>Rhodamnia</i> and <i>Austromyrtus</i> )	1	0	1	
Myrtaceae	<i>Acmena</i>	*0	0	1	
	<i>Syzygium</i>	1	1	1	
	Nothofagaceae	<i>Nothofagus</i> subg. <i>Brassopora</i>	0	1	1
		<i>Nothofagus</i> subg. <i>Fuscospora</i>	0	0	1
<i>Nothofagus</i> subg. <i>Lophozonia</i>		0	0	1	
<i>Nothofagus</i> subg. <i>Nothofagus</i>		0	0	1	
Olacaceae	<i>Anacolosa</i>	0	0	1	
Oleaceae	<i>Notelea</i>	1	(family) 1	0	
	<i>Olea</i>	1	0	0	
Pandanaeae	<i>Freycinetia</i>	1	0	1	
	<i>Pandanus</i>	1	0	0	
Paracryphaceae	<i>Quinitinia</i>	1	1	1	
Phyllanthaceae	<i>Bischofia</i>	1	0	0	
	<i>Breynia</i>	1	0	0	
Phyllanthaceae	<i>Glochidion</i>	1	1	0	
	<i>Glochidion phillipicum</i>	1	0	0	
	<i>Glochidion sumatranum</i>	1	0	0	
Picrodendraceae	<i>Choriceras</i>	1	0	0	
	<i>Disiliaria/Austrobuxus</i>	1	1	1	
	<i>Micrantheum</i>	1	1	0	
	<i>Petalostigma</i>	1	0	0	
	Podocarpaceae	<i>Dacrycarpus</i>	0	1	1
<i>Dacrydium</i>		1	1	1	
<i>Halocarpus</i>		0	0	1	
<i>Lagarostrobos</i>		0	0	1	
<i>Microcachrys</i>		0	0	1	
<i>Pherosphaera</i>		0	0	1	
<i>Phyllocladus</i>		0	1	1	
<i>Podocarpus</i>		1	1	1	
<i>Podosporites microsaccatus</i>		0	0	1	
Polygalaceae		<i>Xanthophyllum</i>	1	0	(family) 1
	<i>Muehlenbeckia</i>	1	0	0	
Polyosmaceae	<i>Polyosma</i>	1	1	0	
Proteaceae	<i>Beauprea</i>	0	0	1	
	<i>Cardwellia</i>	1	1	0	
	<i>Carnavonia</i> cf.	0	0	1	
	<i>Darlingia</i>	1	1	1	
	<i>Embothrium</i> cf.	0	0	1	

Family	Pollen type	Late Quaternary	Pliocene	Oligo-Miocene	
Proteaceae	<i>Grevillea</i>	1	0	0	
	<i>Helicia</i>	1	1	1	
	<i>Lomatia</i>	0	1	1	
	<i>Musgravea</i>	1	1	1	
	<i>Oreocallis/Placospermum</i>	0	1	0	
	<i>Stenocarpus</i>	1	1	0	
Putranjivaceae	<i>Drypetes</i>	1	0	0	
Ranunculaceae	<i>Clematis</i>	1	1	0	
	<i>Clematis</i>	1	0	0	
Rhamnaceae	(family)	1	0	0	
	<i>Alphitonia</i>	1	1	0	
	<i>Emmenosperma</i>	1	1	1	
Rhipogonaceae	<i>Rhipogonum</i>	1	0	0	
Rosaceae	<i>Prunus</i>	1	0	0	
Rubiaceae	<i>Hodgkinsonia</i>	1	0	0	
	<i>Morinda</i>	1	0	0	
	<i>Ophiorrhiza</i>	1	0	0	
	<i>Psychotria</i>	1	0	0	
	<i>Randia</i>	1	0	0	
	(family)	1	0	1	
	<i>Euodia</i>	1	0	1	
Rutaceae	<i>Euodia xantholoides</i>	1	0	0	
	<i>Flindersia</i>	1	0	1	
	<i>Flindersia</i> (syncolpate)	1	0	0	
	<i>Flindersia piminteliana</i>	1	0	0	
	<i>Halfordia</i>	1	0	0	
	<i>Melicope</i>	1	1	0	
	<i>Melicope</i> cf. <i>broadbentiana</i>	1	0	1	
	<i>Zanthoxylum</i>	1	0	0	
	Salicaceae	<i>Casearia</i>	1	0	0
	Santalaceae	<i>Exocarpos</i>	1	0	1
Sapindaceae	Cupanieae (syncolpate)	1	1	1	
	<i>Alectryon</i>	1	0	0	
	<i>Arytera</i>	1	0	0	
	<i>Ganophyllum</i>	1	0	0	
Sapotaceae	(family)	1	0	1	
Solanaceae	<i>Solanum</i>	1	0	0	
Sphenostemonaceae	<i>Sphenostemon</i>	1	0	1	
Stemonuraceae	<i>Irvingbaileya</i>	1	0	1	
Strasburgeriaceae	<i>Strasburgeria</i>	0	0	1	
Symplocaceae	<i>Symplocos</i>	1	1	0	
Ulmaceae	<i>Celtis</i>	1	1	1	
Urticaceae/Moraceae	(family)	1	1	1	
Vitaceae	<i>Cissus</i>	1	0	(family) 1	
Winteraceae	<i>Tasmania</i>	1	1	1	

\*Presumably concealed within the 'Syzygium complex' of Kershaw *et al.* (2007).

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